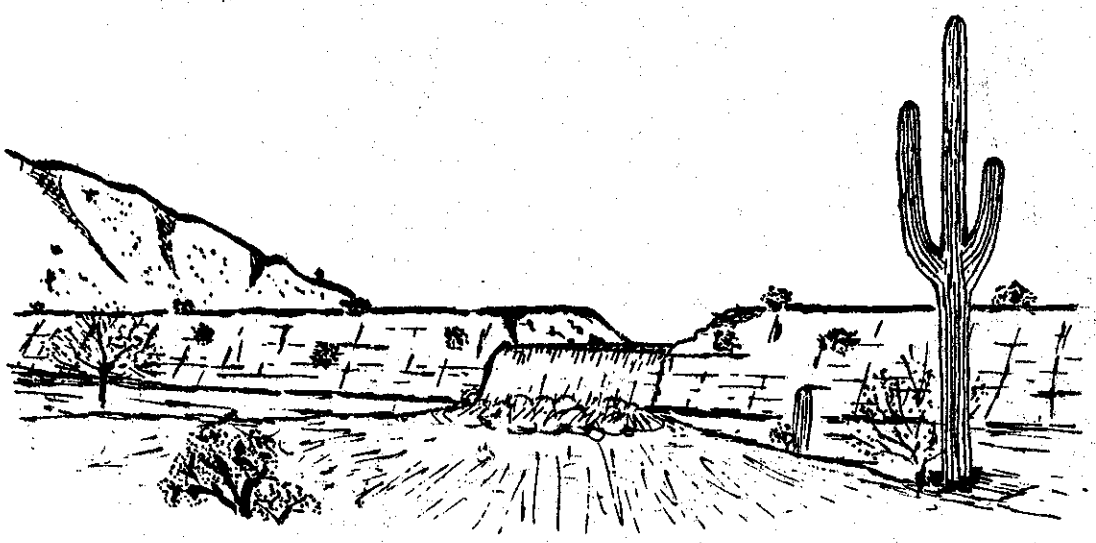
FLOOD CONTROL DISTRICT
OF
MARICOPA COUNTY
3335 WEST DURANGO STREET PHOENIX, ARIZONA 85009

SPOOK HILL FLOODWATER RETARDING STRUCTURE
FLOOD INUNDATION ANALYSIS
APPENDIX B - TECHNICAL APPENDIX



FCD CONTRACT NO.88-68

OCTOBER, 1990

PREPARED BY:
McLAUGHLIN KMETTY ENGINEERS, LTD.
3030 NORTH CENTRAL AVENUE, SUITE 402
PHOENIX, ARIZONA 85012
(602) 248-7702

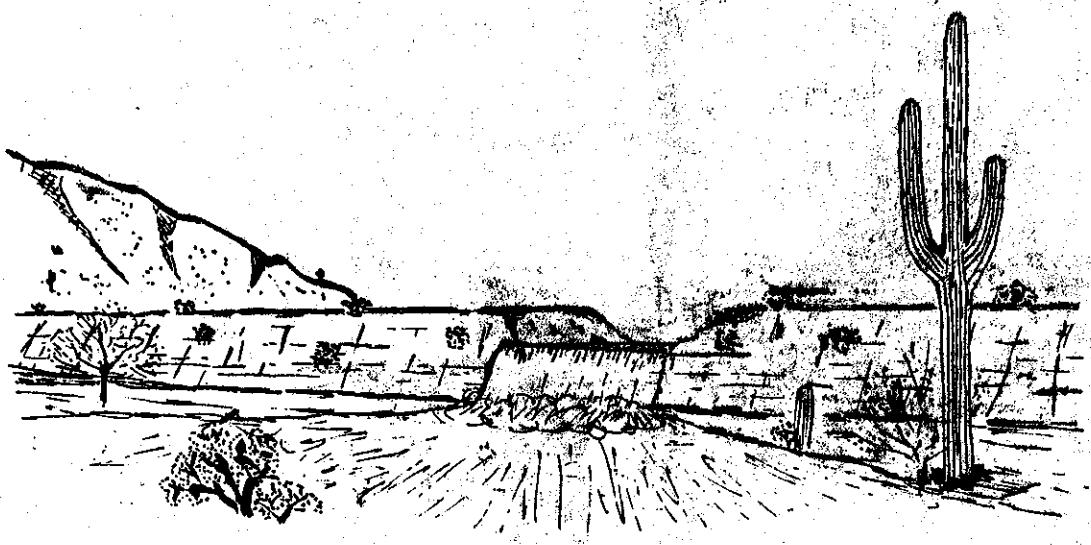
IN ASSOCIATION WITH:
GEORGE V. SABOL CONSULTING ENGINEERS, INC.

FLOOD CONTROL DISTRICT
OF
MARICOPA COUNTY

3335 WEST DURANGO STREET PHOENIX, ARIZONA 85009

Property of
Flood Control District of MC Library
Please return to
2801 W. Durango
Phoenix, AZ 85009

SPOOK HILL FLOODWATER RETARDING STRUCTURE
FLOOD INUNDATION ANALYSIS
APPENDIX B - TECHNICAL APPENDIX



FCD CONTRACT NO.88-68

OCTOBER, 1990

PREPARED BY:

McLAUGHLIN KMETTY ENGINEERS, LTD.
3030 NORTH CENTRAL AVENUE, SUITE 402
PHOENIX, ARIZONA 85012
(602) 248-7702

IN ASSOCIATION WITH:

GEORGE V. SABOL CONSULTING ENGINEERS, INC.

APPENDICES

APPENDIX A - PMP ESTIMATION BY HMR-49 (INCLUDED WITH REPORT)

APPENDIX B - TECHNICAL APPENDIX

APPENDIX B TABLE OF CONTENTS

Description		Tab Name
FLOPPY DISKETTES		DISKS
	DISK No. 1 of 4:	
SHDHEC1.OUT	HEC-1 Routing	
BREACHAB.OUT	BOSS Breach Analysis at Locations "A" and "B"	
BREACHC.OUT	BOSS Breach Analysis at Location "C"	
SHDBRHC8.OUT	DHM 8 hour Simulation for Breach at Location "C" Compare to SHDBRCHC.OUT	
	DISK No. 2 of 4:	
SHDSPIL8.OUT	DHM 10 hour Simulation at Emergency Spillway (Location "A") Compare to SHDSPIL9.OUT	
	DISK No. 3 of 4:	
SHDSPIL9.OUT	DHM 15 hour Simulation at Emergency Spillway (Location "A") Compare to SHDSPIL8.OUT	
	DISK No. 4 of 4:	
SHDBRCHA.OUT	DHM 5 hour Simulation for Breach at Location "A"	
SHDBRCHB.OUT	DHM 5 hour Simulation for Breach at Location "B"	
SHDBRCHC.OUT	DHM 5 hour Simulation for Breach at Location "C" Compare to SHDBRHC8.OUT	
MISCELLANEOUS CALCULATIONS		MISC. CALCS
CAP Canal Travel Time		
Geological Investigation - Memoranda		

APPENDIX B TABLE OF CONTENTS - (CONTINUED)

Description	Tab Name
HEC-1 ROUTING	HEC-1
Case C - Final HEC-1 Analysis	
BREACH ANALYSIS AT LOCATIONS "A" AND "B"	BOSS "A" & "B"
BREACH ANALYSIS AT LOCATION "C"	BOSS "C"
DHM 10-HOUR SIMULATION AT EMERGENCY SPILLWAY (LOCATION "A")	EMERG. SPILLWAY "A" 10 HR
DHM 15-HOUR SIMULATION AT EMERGENCY SPILLWAY (LOCATION "A")	EMERG. SPILLWAY "A" 15 HR
Input and Summary Table Only	
DHM 5-HOUR SIMULATION AT BREACH AT LOCATION "A"	BREACH "A"
DHM 5-HOUR SIMULATION FOR BREACH AT LOCATION "B"	BREACH "B"
DHM 5-HOUR SIMULATION FOR BREACH AT LOCATION "C"	BREACH "C" 5 HR
DHM 8-HOUR SIMULATION FOR BREACH AT LOCATION "C"	BREACH "C" 8 HR
Input and Summary Tables Only	

CENTRAL ARIZONA PROJECT CANAL - TRAVEL TIME

Determine travel time from Salt-Gila Pumping Plant to Emergency Spillway:

CAP Sta 148 + 39.35 = SCS STA 374+00 (1) at McDowell Road

℄ Emerg. Spillway = SCS 294+50 = CAP 127 + 89.35 (North of McDowell)

SG Pumping to ℄ Emerg Spillway = 127+89.35 - 14+95.07 = 11,294 ft
2.14 miles

$\frac{11,294 \text{ ft}}{\frac{3.67 \text{ ft}}{\text{sec}}\left(\frac{60 \text{ sec}}{\text{min}}\right)}$ = 51.3 minutes travel time = 0.86 hrs use 1.0 hours

Volume = 749.38 ft² (11,294 ft) = 8,463,498 ft³ or 194.3 Acre feet

℄ Emerg Spillway to check structure between University and Crismon

per CAP Reach 1B, check structure = STA 392 +00

Distance = 392 + 00 - 127 + 89.35 = $\frac{26,410 \text{ ft}}{\frac{3.67 \text{ ft}}{\text{sec}}\left(\frac{60 \text{ sec}}{\text{min}}\right)}$ = 119.9 minutes = 2.0 hrs
5 miles

Volume = 749.38 ft² (26,410 ft) = 19,791,126 ft³ or 454.3 Acre feet

CONCLUSION Travel time from Salt-Gila Pumping Plant to either Principal or Emergency Spillways is 1.0 hours. Travel time from either Principal or Emergency Spillways to check structure (Discharge Monitoring Station) is 2.0 hours.

Job file
84-40 7.c

RECEIVED AUG 15 1990

MEMORANDUM

TO: Dr. Davar Khalili, Flood Control District of Maricopa County
FROM: George V. Sabol, George V. Sabol Consulting Engineers, Inc.
SUBJECT: Spook Hill FRS, Piping Breach Analysis
DATE: 10 August 1990

The piping breach analysis was presented in Progress Report No. 2 and that report was reviewed at Progress Meeting No. 4. Certain assumptions are necessary in a piping breach analysis and the assumptions that have been made were reviewed and discussed at the progress meeting. Mr. William Jenkins of ADWR questioned the assumption of a homogeneous section for the embankment, and he suggested that we review the construction records and photographs that are on file at ADWR in regard to the piping breach assumptions. It was agreed that Dr. Charles Newlin would review the records that are on file at ADWR. After his review, Dr. Newlin would prepare a memorandum concerning the conclusions of his study, and he would provide a recommendation as to one of the following:

1. The assumptions that were made in Progress Report No. 2 are appropriate in regard to the data that is available for the as-built embankment.
2. Additional information is available to indicate that the assumptions are not appropriate and recommendations or guidance for appropriate piping breach assumptions would be provided.

Dr. Newlin visited the ADWR office on 2 August 1990 and has written a memorandum concerning his findings (enclosed). Dr. Newlin's investigations of available records have confirmed the assumptions that were made in performing the piping breach analysis, and I have summarized his findings as presented in his memorandum as follows:

1. The base of the dam should be used as the critical piping location.
2. A worst-case scenario is reasonable for this dam, and this would include the assumption of a homogeneous dam of Type II material.
3. The ranges of soil material properties, as used to perform the sensitivity analysis in Progress Report No. 2, are appropriate.

Based on Dr. Newlin's findings, I recommend that the piping breach analysis as contained in Progress Report No. 2 and the piping breach hydrographs from that report be accepted as input to the DHM for the piping breach flood inundation analysis.

Please call me if you agree with this recommendation so that we can proceed with the final DHM analysis.

Copies: Mr. William Jenkins, ADWR
Mr. Geza Kmetty, MKE

job file
89-407.01

MEMORANDUM

TO: Geza Kmetty and Frank Brown
McLaughlin Kmetty Engineers, Ltd.

FROM: C. W. Newlin
Charles W. Newlin Consulting Engineer CWNewlin

DATE: August 8, 1990

I visited the Arizona Department of Water Resources on August 2, 1990 and reviewed daily reports and photographs taken by ADWR during the construction of Spook Hill Dam. The object of the visit was to obtain geotechnical information that would apply to the McLaughlin Kmetty dam break analysis.

My review yielded the following general observations:

- Construction and quality control problems were typical for small dams.
- Quality control appeared to be satisfactory.
- Difficulties were encountered in identifying and removing the loose sands overlying sandstone or caliche. Excavations in excess of 25 feet were required in some cases.
- Problems were encountered in controlling placement of borrow materials in appropriate zones of the dam cross-section (see enclosed figures).

It was not possible to identify any particular location of the dam that might be most critical for piping potential. Piping would most likely occur where pervious pockets or seams were present in the dam or foundation. Such a situation could occur if pervious material inadvertently was placed in the dam core or if a sand pocket or seam was overlooked in the foundation. Either situation is unlikely to have occurred during construction but, if it did, there is no way to predict the location. The nature of these potential occurrences, however, confirms that the base of the dam should be used as a critical piping location in the dam breach analysis.

I discussed my views with Bill Jenkins, Dam Safety, ADWR. He agreed that geotechnical considerations would not be a governing criteria for the location of a dam breach analysis. He was concerned, however, that a homogeneous dam was presently assumed in the analyses and asked that I comment on this relative to using a zoned cross-section.

Because of the possibility that borrow materials may not be zoned in accordance with design, a worst-case scenario is reasonable in the dam breach analysis. This approach would assume a homogeneous dam constructed of Type II material. This is fine grained soil that is non-plastic; therefore, zero cohesion. Such material would erode more rapidly than cohesive Zone I material or the coarse grained Zone III and IV materials (see enclosed excerpt from the bid documents).

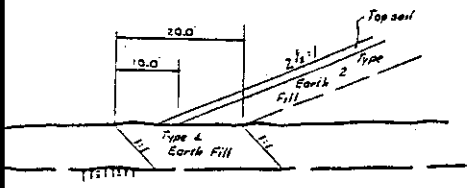
Grain size values for the 50% size (D_{50}) and the ratio of the 90% size to the 30% size (D_{90}/D_{30}) are required. Laboratory test results yielded a large range for these values. A sensitivity analysis such as was performed in Progress Report No. 2 was required to investigate the effects of these variables on discharge rate and time to peak. Such an analysis included values higher and lower than obtained from laboratory testing. Soil Type I and II exhibited the same general variations for D_{50} and D_{90}/D_{30} with the following results:

D_{50} varied from about 0.5 to 2.0 mm
D_{90}/D_{30} varied from about 10 to 120

The range of values used in the dam breach analysis (Progress Report No. 2) is appropriate, considering the large variation in laboratory test data.

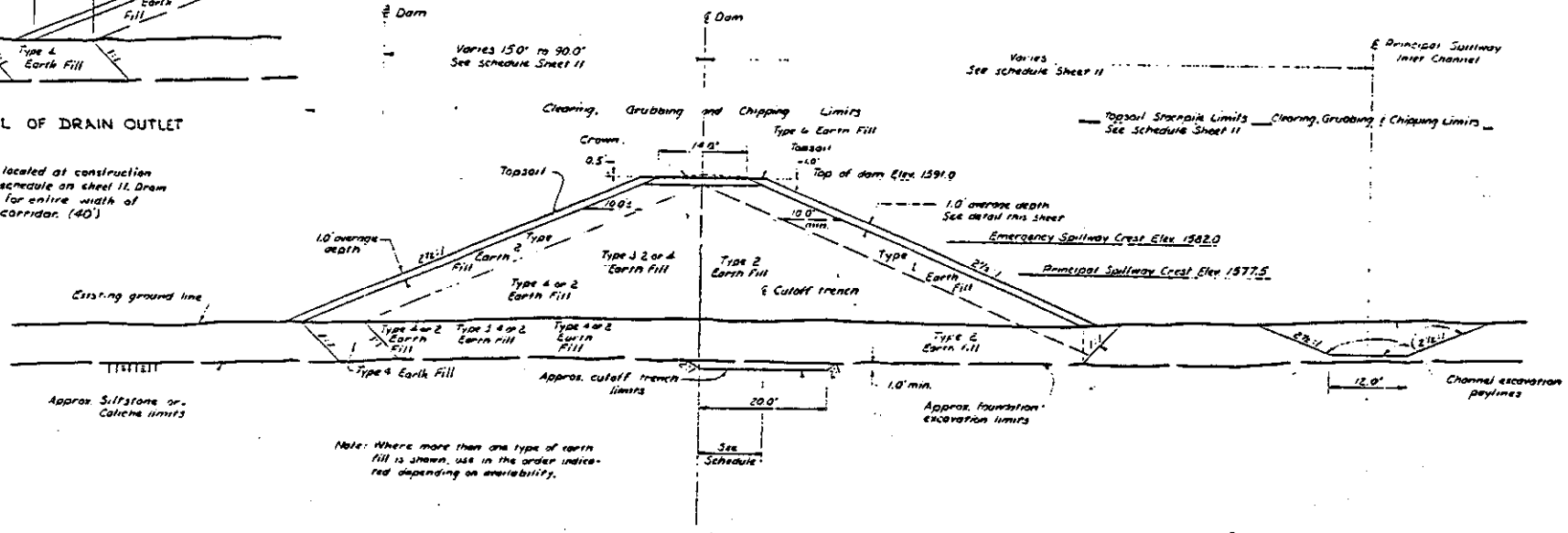
CWN:rlr

Enclosures



DETAIL OF DRAIN OUTLET

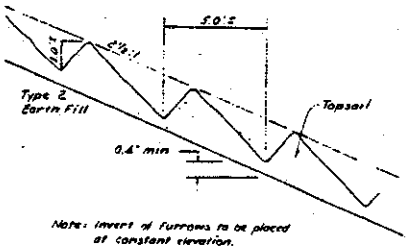
Note:
Drain outlet located at construction corridors as scheduled on sheet 11. Drain outlet will be for entire width of construction corridor. (40')



Note: Where more than one type of earth fill is shown, use in the order indicated depending on availability.

TYPICAL CROSS SECTION

SCALE IN FEET



Note: Invert of furrows to be placed at constant elevation.

TOP SOIL PLACEMENT DETAIL

(Not to scale)

FOUNDATION AND CUTOFF TRENCH EXCAVATION SCHEDULE

℄ Station	Foundation Excavation		Cutoff Trench Excavation		
	Approx depth ft	Approx bottom width ft	Approx depth ft	Offset distance ℄ to ℄ ft	Bottom width ft
87+00	0	-	0	0	-
87+10	4.0	12.5	9.5	0.4	20.0
98+30	4.0	92.5	9.5	10.0	20.0
104+60	5.5	108.5	10.0	10.0	20.0
118+60	2.0	92.0	5.0	10.0	20.0
122+00	4.0	90.0	5.5	10.0	20.0
131+45	2.5	104.0	6.5	10.0	20.0
140+35	2.0	112.0	5.5	10.0	20.0
149+25	5.0	111.5	7.0	10.0	20.0
158+25	3.0	103.5	6.0	10.0	20.0
165+40	3.0	111.0	5.0	10.0	20.0
172+30	5.0	109.0	7.0	10.0	20.0
179+30	2.0	102.0	5.0	10.0	20.0
186+35	3.0	101.0	4.0	10.0	20.0
190+00	4.0	106.5	6.0	10.0	20.0
195+55	1.0	115.5	5.5	10.0	20.0
201+95	2.5	114.0	3.5	10.0	20.0
207+70	2.5	111.5	3.5	10.0	20.0
217+85	2.0	122.0	6.5	10.0	20.0
220+90	3.5	133.0	4.5	10.0	20.0
222+85	2.8	131.2	25.5	10.0	20.0

FOUNDATION AND CUTOFF TRENCH EXCAVATION SCHEDULE

℄ Station	Foundation Excavation		Cutoff Trench Excavation		
	Approx. depth ft	Approx. bottom width ft	Approx depth ft	Offset distance ℄ to ℄ ft	Bottom width ft
224+90	4.5	129.5	5.5	10.0	20.0
227+90	3.0	121.0	4.0	10.0	20.0
231+80	2.7	121.3	9.0	10.0	20.0
238+75	4.0	107.5	5.0	10.0	20.0
243+15	1.5	110.0	2.5	10.0	20.0
248+95	4.5	93.0	5.5	10.0	20.0
253+90	2.5	99.5	3.0	10.0	20.0
259+92	2.0	109.5	3.0	10.0	20.0
262+95	5.5	98.5	6.5	10.0	20.0
269+00	3.0	108.5	4.0	10.0	20.0
270+95	1.5	104.6	2.9	10.0	20.0
277+65	0	111.5	1.0	10.0	20.0
280+00	7.5	106.5	8.5	10.0	20.0
282+50	0	114.0	1.0	10.0	20.0
285+05	1.0	113.0	2.0	10.0	20.0
289+15	0	104.0	1.0	10.0	20.0
291+00	1.0	105.5	2.0	10.0	20.0
296+80	5.0	79.0	6.0	10.0	20.0
303+46.2	3.0	13.5	3.0	0	20.0
303+50.2	0	-	0	0	-

Completed: April 10, 1980

AS-BUILT

CROSS SECTION ℄ DAM

SPOOK HILL F.R.S.

BUCKHORN-MESA WRP

MARICOPA & PINAL COUNTIES, ARIZONA

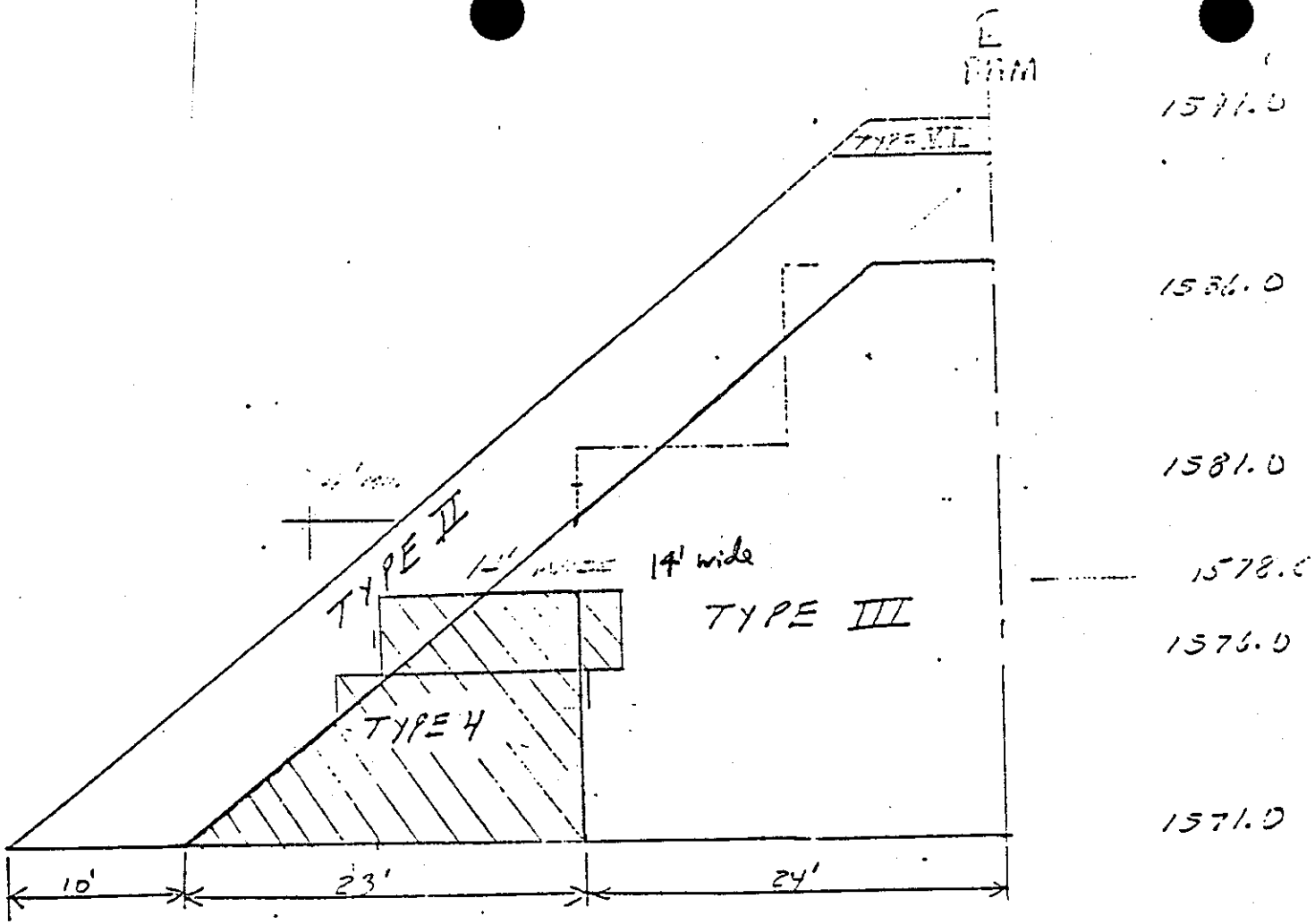
U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Designed PJM	Date 7-76	Approved by	
Drawn		Title	
Traced SS	8-76	Date	
Checked PJM	12-76	Sheet No. 13 of 45	Drawing No. 7-E-23797

FORM SCS-1138

SOIL CONSERVATION SERVICE

PROJECT SPOOKHILL FRS | JOB NO. 2005
CHECKED BY | DATE
DATE 8/15/78 | SHEET 1 OF
ARIZONA
SUBJECT EARTH FILL PLACEMENT DIAGRAM



X-SECTION DOWNSTREAM HALF OF DAM

EXCERPT FROM " SPOOK HILL CONSTRUCTION 1979 "

EXCERPT FROM BID DOCUMENTS

10. ITEMS OF WORK AND CONSTRUCTION DETAILS

Items of work to be performed in conformance with this specification and the construction details are:

a. Bid Item 8, Structure Backfill

(1) This item shall consist of placing and compacting structure backfill within the limits shown on Sheets 10, 20, 21, and 44 of the drawings.

(2) Backfill material shall be Type 1 as described in Item 10.b.(2). The material shall contain a minimum of 15 percent passing the #200 sieve when determined on a dry weight basis in accordance with ASTM D 1140.

(3) In Section 6, Compaction, Class A shall apply. The fill matrix shall be compacted to at least 95 percent of the maximum density obtained in compaction tests of the fill materials performed by Method A, ASTM D 698 (Standard Proctor Test).

(4) The maximum size of rock fragments incorporated in the fill shall be three (3) inches.

(5) The maximum thickness of a layer before compaction shall be four (4) inches.

(6) The moisture content of the material incorporated in the fill shall be maintained within the range of two (2) percentage points below to two (2) percentage points above the optimum moisture content.

(7) Measurement and payment will be by Methods 1 and 6. Deduction in volume will be made for embedded conduit and appurtenances.

b. Bid Item 9, Earth Fill

(1) This item shall consist of placing and compacting the earth fill required in the embankment, and the emergency spillway within the limits shown on the drawings.

(2) Earth fill materials to be used for this item shall consist of six (6) main types, obtained from the required excavation and borrow areas of the Spook Hill FRS and the Spook Hill Floodway, as follows:

Type 1 shall consist of silty sand, silty gravelly sand, clayey gravelly sand and clayey sand lying generally between four (4) feet depth and the siltstone or caliche limits and intermittently between the existing ground line and four (4) feet depth between Station 87+00± and Station 230+00± baseline of the dam. The material shall contain a minimum of 15 percent passing the #200 sieve when determined on a dry weight basis in accordance with ASTM D 1140, and have a plasticity index greater than five (5) as determined by laboratory procedures outlined in ASTM D 424.

EXCERPT FROM BID DOCUMENTS

Type 2 shall consist of silt, silty sand, gravelly silt, gravelly silty sand, sand, gravelly sand, clayey gravelly sand and clayey sand located as follows: Between Station 87+00± and Station 230+00± baseline of the dam intermittently between the existing ground line and 4 feet depth and occasionally between 4 feet depth and the caliche or siltstone limit. Between Station 230+00± and Station 303+75± baseline of the dam, generally between the existing ground line and the caliche limits. Between Station 103+38 and Station 190+50± centerline of the Floodway, between the existing ground line and the caliche or granite limits.

The material shall contain a minimum of 15 percent passing the #200 sieve when determined on a dry weight basis in accordance with ASTM D 1140.

Type 3 shall consist of caliche and siltstone located as follows: Between Station 87+00± and Station 303+75± baseline of the dam lying generally from 1 foot to 8 feet below the existing ground line to the lower excavation limit.

Between Station 103+38 and Station 130+00± centerline of the floodway lying generally at the existing ground line to the granite limit.

Type 4 shall consist of sands and gravels and fractured granite located as follows:
Between Station 87+00± and Station 305+75± baseline of the dam lying occasionally between the existing ground line and the caliche or siltstone limits.

Between Station 103+38 and Station 130+00± centerline of the floodway lying generally below the caliche lower limit.

Between Station 130+00± and Station 207+75± centerline of the floodway lying generally below the existing ground line.

The material shall contain a maximum of 15 percent passing the #200 sieve when determined on a dry weight basis in accordance with ASTM D 1140.

Type 5 shall consist of oversize Type 4 material and shall have Type 4 material placed on top of and to the sides when used in the fill.

Type 6 shall consist of Type 4 material containing a maximum of 5 percent passing the #200 sieve when determined on a dry weight basis in accordance with ASTM D 1140.

(3) The material shall be placed in the manner shown on sheet 13 of the drawings.

SUPPORTING DOCUMENTS

FOR AUGUST 8, 1990 MEMORANDUM

FROM C.W. NEWLIN

(NOT A PART OF MEMORANDUM)

MKE McLaughlin Kmetty Engineers, Ltd.

Project Title: SPOOK HILL DAM Project No. _____ Date: 5/11/90

Subject: BORROW MATLS., SCS TESTS Designed: CWN Page: 1/3

SAMPLE	STATION	D_{30} mm	D_{50} mm	D_{90} mm	% Fines	D_{90}/D_{30}	P.I.	
2107.1	298+70	0.13	1.0	5.2	28	40	7	1
2109.1	277+00	0.32	1.5	7.0	24	21.9	NP	2
2109.2	277+00	0.35	1.4	7.0	28	20	13	1
2110.1	258+00	1.0	2.2	6.0	15	6	13	1
2112.1	187+00	0.32	1.5	8.0	23	25	NP	2
2112.2	187+00	0.7	1.6	8.0	10	11.4	14	4
2113.1	203+00	0.043	0.18	5.0	16	116	9	1
2116.1	228+00	0.5	1.8	7.0	25	14	16	1
2120.1	263+00	0.1	1.0	5.7	28	57	NP	2
2134.1	295+00	0.7	4.5	26.0	14	37.1	NP	4
2103	106+00	0.04	0.5	4.2	43	105	NP	2
2103.2	106+00	0.22	1.0	6.0	25	27.3	NP	2
1.2	88+00	0.08	0.8	4.2	29	52.5	39	1
1.1	88+00	0.3	2.0	6.0	24	20	13	1
3.1	125+50	0.06	0.6	4.1	34	68.3	12	1
3.2	125+50	0.9	1.5	5.8	15	6.4	36	1
6.1	202+00	0.05	0.27	4.5	39	90	5	1
7.1	223+00	0.4	1.2	6.0	13	15	NP	4
2108.1	146+00	0.04	0.18	5.5	43	137	NP	2
2108.2	146+00	0.06	1.1	6.5	35	108	9	1
Type 3	Average	0.32	1.17	5.6	26	49		
Type 2	Average	0.17	0.95	6.1	31	62		
Type 4	Average	0.6	6.5	[illegible]	[illegible]	[illegible]		

MKE McLaughlin Kmetty Engineers, Ltd.

Project Title: Spook Hill Dam Project No.: Date: 6/1/90

Subject: D_{50} and D_{90}/D_{30} Design Values Designed: CWN Page: 2/3

Frequency of Values, D_{50}, Soil Types 1 + 2

	mm
0 to < 1	6
1 to < 2	9
2 to < 3	2
3 to < 4	0
4 to < 5	0

Use $D_{50} = 1.5$ mm

$D_{50} = 0.5$ to 2.0

Frequency of Values, D_{90}/D_{30}, Soil Types 1+2

0 to < 10	2
10 to < 20	1
20 to < 30	5
30 to < 40	0
40 to < 50	1
50 to < 60	1
60 to < 70	1
70 to < 80	0
80 to < 90	0
90 to < 100	1
100 to < 110	2
110 to < 120	1
120 to < 130	0
130 to < 140	1

Overall average $= \frac{914.4}{16}$

$= 57$

Use $D_{90}/D_{30} = 55$

$D_{90}/D_{30} = 10$ to 120

Conclusions: Soil Types 1 + 2

D_{50} varies from about 0.5 to 2.0 mm.
Most values in the 1 to 2 mm range
Use $D_{50} = 1.5$

D_{90}/D_{30} Wide spread on data 10 to 120
Use average value of about 55

MKE McLaughlin Kmetty Engineers, Ltd.

Project Title: STOOK HILL DAM Project No. _____ Date: 6/4/90

Subject: BORROW MATLS., SCS TESTS Designed: CWM Page: 3/3

D_{10} mm	D_{90}/D_{10}
0.02	260 ✓ —
0.025	280 ✓ —
0.006	1167 ✓
0.03	200 ✓ —
0.02	400 ✓
~~0.02~~	400 ✓
0.007	714 ✓
~0.001	7000 ✓
0.02	285 ✓
0.04	650 ✓
0.007	600 ✓
0.02	300 ✓
<0.001	4500 ✓
0.002	3000 ✓
0.003	1367 ✓
0.035	166 ✓ —
0.006	750 ✓ —
~~0.04~~	150 ✓ —
0.01	550 ✓ —
0.01	650 ✓ —

SOIL TYPES 1 + 2

D_{90}/D_{10}	Frequencies
0 to < 400	6
400 to < 600	2
600 to < 800	4
> 800	5

If >800 values ignored:

$$\text{Average} = \frac{5155}{12} = 430$$

Summary for D_{90}/D_{10} Soil Types 1 + 2

Values vary from 166 to 7000. Largest values probably unreasonable. If discarded,

D_{90}/D_{10} from 166 to 750 ←

Average = 430 ←

Final

```
!****************************************
*                                      *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)  *
*            FEBRUARY 1981             *
*          REVISED 01 JUN 88           *
*                                      *
*  RUN DATE  05/10/1990  TIME  06:28:19 *
*                                      *
****************************************
```

```
****************************************
*                                      *
*    U.S. ARMY CORPS OF ENGINEERS      *
*  THE HYDROLOGIC ENGINEERING CENTER   *
*          609 SECOND STREET           *
*       DAVIS, CALIFORNIA 95616        *
*          (916) 551-1748              *
*                                      *
****************************************
```

See Table II-6 and Discussion in Report - This is Case C - Final HEC-1. Case A and Case B were intermediate runs and are not included.

```
X     X  XXXXXXX   XXXXX          X
X     X  X       X     X        XX
X     X  X       X              X
XXXXXXX  XXXX    X       XXXXX  X
X     X  X       X              X
X     X  X       X     X        X
X     X  XXXXXXX   XXXXX        XXX
```

THIS PROGRAM REPLACES ALL PREVIOUS VERSIONS OF HEC-1 KNOWN AS HEC1 (JAN 73), HEC1GS, HEC1DB, AND HEC1KW.

THE DEFINITIONS OF VARIABLES -RTIMP- AND -RTIOR- HAVE CHANGED FROM THOSE USED WITH THE 1973-STYLE INPUT STRUCTURE.
THE DEFINITION OF -AMSKK- ON RM-CARD WAS CHANGED WITH REVISIONS DATED 28 SEP 81. THIS IS THE FORTRAN77 VERSION
NEW OPTIONS: DAMBREAK OUTFLOW SUBMERGENCE , SINGLE EVENT DAMAGE CALCULATION, DSS:WRITE STAGE FREQUENCY,
DSS:READ TIME SERIES AT DESIRED CALCULATION INTERVAL LOSS RATE:GREEN AND AMPT INFILTRATION
KINEMATIC WAVE: NEW FINITE DIFFERENCE ALGORITHM


```
LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10

  1           ID   SPOOK HILL FRS PMF HYDROLOGY CHECK
  2           ID   PROJECT NO. 22
  3           ID   SUBBASINS 17-22
  4           ID   SCS HYDROLOGY UNIT HYDROGRAPH
  5           ID   SCS HYDROLOGY CN'S
  6           ID   HMR-49 PMP RAINFALL
  7           ID   COMBINED SPILLWAY RATING TABLE
  8           ID   BASEFLOW OF 2100 CFS + INITIAL W.S. ELEV. @ 1583.4
  9           ID   DAM OVERTOPPING ALLOWED  CREST = 1591.0
 10           IT       5                    200
 11           IO       4

 12           KK      17
 13           BA    1.44
 14           BF    2100
 15           IN      15
 16           PC       0      .1      .2      .3      .4      .6      .8    1.0     1.2     7.0
 17           PC     8.8     9.5    10.2    10.6    11.0    11.4    11.8   11.95    12.1   12.25
 18           PC    12.4    12.5    12.6    12.7    12.8
 19           LS            75
 20           UD     .40
```

```
         21          KK      18
         22          BA     .92
         23          BF       0
         24          LS              75
         25          UD     .36

         26          KK      19
         27          BA    4.08
         28          LS              76
         29          UD     .71

         30          KK      20
         31          BA    1.28
         32          LS              75
         33          UD     .44

         34          KK      21
         35          BA    1.91
         36          LS              76
         37          UD     .50

         38          KK     ADD
         39          HC       5

         40          KK      22
         41          BA    1.79
         42          LS              79
         43          UD     .40
```



```
       LINE          ID.......1.......2.......3.......4.......5.......6.......7.......8.......9......10


         44          KK   TOTAL
         45          HC       2

         46          KK   SPILL
         47          KO       1
         48          RS       1    ELEV  1583.4
         49          SV       0   149.4   466.4   901.6  1432.7  2059.8  2784.0  3610.3  4063.4  4550.0
         50          SQ       0     100     690     850    3010    6900   11920   17850   21115   24560
         51          SE  1577.5    1578    1580    1582    1584    1586    1588    1590    1591    1592
         52          ST  1591.0   21775     3.0     1.5
         53          ZZ
```

```
1****************************************                    ****************************************
*                                      *                    *                                      *
*   FLOOD HYDROGRAPH PACKAGE  (HEC-1)  *                    *   U.S. ARMY CORPS OF ENGINEERS       *
*            FEBRUARY 1981             *                    *  THE HYDROLOGIC ENGINEERING CENTER   *
*          REVISED 01 JUN 88           *                    *          609 SECOND STREET           *
*                                      *                    *       DAVIS, CALIFORNIA 95616        *
*  RUN DATE  05/10/1990  TIME  06:28:19 *                    *          (916) 551-1748              *
*                                      *                    *                                      *
****************************************                    ****************************************
```

SPOOK HILL FRS PMF HYDROLOGY CHECK
PROJECT NO. 22

```
                    SUBBASINS 17-22
                    SCS HYDROLOGY UNIT HYDROGRAPH
                    SCS HYDROLOGY CN'S
                    HMR-49 PMP RAINFALL
                    COMBINED SPILLWAY RATING TABLE
                    BASEFLOW OF 2100 CFS + INITIAL W.S. ELEV. @ 1583.4
                    DAM OVERTOPPING ALLOWED  CREST = 1591.0

 11 IO        OUTPUT CONTROL VARIABLES
                    IPRNT          4  PRINT CONTROL
                    IPLOT          0  PLOT CONTROL
                    QSCAL         0.  HYDROGRAPH PLOT SCALE

   IT         HYDROGRAPH TIME DATA
                     NMIN          5  MINUTES IN COMPUTATION INTERVAL
                    IDATE      1   0  STARTING DATE
                    ITIME       0000  STARTING TIME
                       NQ        200  NUMBER OF HYDROGRAPH ORDINATES
                   NDDATE      1   0  ENDING DATE
                   NDTIME       1635  ENDING TIME
                    ICENT         19  CENTURY MARK

              COMPUTATION INTERVAL     .08 HOURS
                   TOTAL TIME BASE   16.58 HOURS

        ENGLISH UNITS
            DRAINAGE AREA          SQUARE MILES
            PRECIPITATION DEPTH    INCHES
            LENGTH, ELEVATION      FEET
            FLOW                   CUBIC FEET PER SECOND
            STORAGE VOLUME         ACRE-FEET
            SURFACE AREA           ACRES
            TEMPERATURE            DEGREES FAHRENHEIT


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


          **************
          *            *
 12 KK    *        17  *
          *            *
          **************

 15 IN        TIME DATA FOR INPUT TIME SERIES
                    JXMIN         15  TIME INTERVAL IN MINUTES
                   JXDATE      1   0  STARTING DATE
                   JXTIME          0  STARTING TIME

            SUBBASIN RUNOFF DATA

 13 BA        SUBBASIN CHARACTERISTICS
                    TAREA       1.44  SUBBASIN AREA

 BF         BASE FLOW CHARACTERISTICS
                    STRTQ    2100.00  INITIAL FLOW
                    QRCSN        .00  BEGIN BASE FLOW RECESSION
                    RTIOR    1.00000  RECESSION CONSTANT
```

```
            PRECIPITATION DATA

16 PB              STORM       12.80  BASIN TOTAL PRECIPITATION

 I            INCREMENTAL PRECIPITATION PATTERN
                 .03       .03       .03       .03       .03       .03       .03       .03       .03       .03
                 .03       .03       .07       .07       .07       .07       .07       .07       .07       .07
                 .07       .07       .07       .07      1.93      1.93      1.93       .60       .60       .60
                 .23       .23       .23       .23       .23       .23       .13       .13       .13       .13
                 .13       .13       .13       .13       .13       .13       .13       .13       .05       .05
                 .05       .05       .05       .05       .05       .05       .05       .05       .05       .05
                 .03       .03       .03       .03       .03       .03       .03       .03       .03       .03
                 .03       .03

19 LS       SCS LOSS RATE
                 STRTL        .67  INITIAL ABSTRACTION
                CRVNBR      75.00  CURVE NUMBER
                 RTIMP        .00  PERCENT IMPERVIOUS AREA

20 UD       SCS DIMENSIONLESS UNITGRAPH
                  TLAG        .40  LAG

                                                  ***

                                              UNIT HYDROGRAPH
                                          26 END-OF-PERIOD ORDINATES
          145.      446.      939.     1387.     1567.     1530.     1329.     1054.      728.      533.
          398.      296.      215.      159.      116.       84.       62.       46.       34.       25.
           19.       14.       11.        7.        4.        1.

*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***

        **************
        *            *
21 KK   *        18  *
        *            *
        **************

           SUBBASIN RUNOFF DATA

22 BA       SUBBASIN CHARACTERISTICS
                 TAREA        .92  SUBBASIN AREA

23 BF       BASE FLOW CHARACTERISTICS
                 STRTQ        .00  INITIAL FLOW
                 QRCSN        .00  BEGIN BASE FLOW RECESSION
                 RTIOR    1.00000  RECESSION CONSTANT

            PRECIPITATION DATA

16 PB              STORM       12.80  BASIN TOTAL PRECIPITATION

 I            INCREMENTAL PRECIPITATION PATTERN
                 .03       .03       .03       .03       .03       .03       .03       .03       .03       .03
                 .03       .03       .07       .07       .07       .07       .07       .07       .07       .07
                 .07       .07       .07       .07      1.93      1.93      1.93       .60       .60       .60
                 .23       .23       .23       .23       .23       .23       .13       .13       .13       .13
```

```
                .13      .13      .13      .13      .13      .13      .13      .13      .05      .05
                .05      .05      .05      .05      .05      .05      .05      .05      .05      .05
                .03      .03      .03      .03      .03      .03      .03      .03      .03      .03
                .03      .03

24 LS        SCS LOSS RATE
                STRTL        .67  INITIAL ABSTRACTION
               CRVNBR      75.00  CURVE NUMBER
                RTIMP        .00  PERCENT IMPERVIOUS AREA

25 UD        SCS DIMENSIONLESS UNITGRAPH
                 TLAG        .36  LAG

                                          ***

                                     UNIT HYDROGRAPH
                                 24 END-OF-PERIOD ORDINATES
          118.     370.     770.    1050.    1103.     995.     806.     554.     387.     280.
          202.     143.     102.      73.      52.      37.      26.      19.      13.      10.
            7.       5.       3.       0.


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


        **************
        *            *
26 KK   *        19  *
        *            *
        **************

          SUBBASIN RUNOFF DATA

27 BA        SUBBASIN CHARACTERISTICS
                TAREA       4.08  SUBBASIN AREA

23 BF        BASE FLOW CHARACTERISTICS
                STRTQ        .00  INITIAL FLOW
                QRCSN        .00  BEGIN BASE FLOW RECESSION
                RTIOR    1.00000  RECESSION CONSTANT

             PRECIPITATION DATA

16 PB           STORM      12.80  BASIN TOTAL PRECIPITATION

16 PI          INCREMENTAL PRECIPITATION PATTERN
                .03      .03      .03      .03      .03      .03      .03      .03      .03      .03
                .03      .03      .07      .07      .07      .07      .07      .07      .07      .07
                .07      .07      .07      .07     1.93     1.93     1.93      .60      .60      .60
                .23      .23      .23      .23      .23      .23      .13      .13      .13      .13
                .13      .13      .13      .13      .13      .13      .13      .13      .05      .05
                .05      .05      .05      .05      .05      .05      .05      .05      .05      .05
                .03      .03      .03      .03      .03      .03      .03      .03      .03      .03
                .03      .03

28 LS        SCS LOSS RATE
                STRTL        .63  INITIAL ABSTRACTION
               CRVNBR      76.00  CURVE NUMBER
                RTIMP        .00  PERCENT IMPERVIOUS AREA
```

```
29 UD        SCS DIMENSIONLESS UNITGRAPH
                 TLAG        .71  LAG

                                                  ***

                                              UNIT HYDROGRAPH
                                           45 END-OF-PERIOD ORDINATES
          99.     313.     601.     995.    1503.    2004.    2369.    2575.    2621.    2582.
        2402.    2191.    1937.    1619.    1303.    1070.     889.     740.     632.     529.
         442.     365.     307.     257.     213.     178.     146.     124.     103.      87.
          72.      61.      50.      42.      35.      29.      26.      22.      19.      15.
          12.       9.       6.       3.       0.

*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***

        **************
        *            *
30 KK   *        20  *
        *            *
        **************

          SUBBASIN RUNOFF DATA

31 BA        SUBBASIN CHARACTERISTICS
                 TAREA       1.28  SUBBASIN AREA

BF           BASE FLOW CHARACTERISTICS
                 STRTQ        .00  INITIAL FLOW
                 QRCSN        .00  BEGIN BASE FLOW RECESSION
                 RTIOR    1.00000  RECESSION CONSTANT

             PRECIPITATION DATA

16 PB            STORM      12.80  BASIN TOTAL PRECIPITATION

16 PI          INCREMENTAL PRECIPITATION PATTERN
                 .03      .03      .03      .03      .03      .03      .03      .03      .03      .03
                 .03      .03      .07      .07      .07      .07      .07      .07      .07      .07
                 .07      .07      .07      .07     1.93     1.93     1.93      .60      .60      .60
                 .23      .23      .23      .23      .23      .23      .13      .13      .13      .13
                 .13      .13      .13      .13      .13      .13      .13      .13      .05      .05
                 .05      .05      .05      .05      .05      .05      .05      .05      .05      .05
                 .03      .03      .03      .03      .03      .03      .03      .03      .03      .03
                 .03      .03

32 LS        SCS LOSS RATE
                 STRTL        .67  INITIAL ABSTRACTION
                CRVNBR      75.00  CURVE NUMBER
                 RTIMP        .00  PERCENT IMPERVIOUS AREA

33 UD        SCS DIMENSIONLESS UNITGRAPH
                 TLAG        .44  LAG

                                                  ***

                                              UNIT HYDROGRAPH
```

28 END-OF-PERIOD ORDINATES

104.	315.	650.	1037.	1245.	1279.	1184.	1018.	785.	564.
422.	324.	247.	183.	139.	105.	79.	60.	45.	34.
26.	19.	15.	12.	9.	6.	4.	2.		

*** ***

```
**************
*            *
34 KK    *       21  *
*            *
**************
```

SUBBASIN RUNOFF DATA

35 BA SUBBASIN CHARACTERISTICS

TAREA	1.91	SUBBASIN AREA

23 BF BASE FLOW CHARACTERISTICS

STRTQ	.00	INITIAL FLOW
QRCSN	.00	BEGIN BASE FLOW RECESSION
RTIOR	1.00000	RECESSION CONSTANT

PRECIPITATION DATA

16 PB

STORM	12.80	BASIN TOTAL PRECIPITATION

PI INCREMENTAL PRECIPITATION PATTERN

.03	.03	.03	.03	.03	.03	.03	.03	.03	.03
.03	.03	.07	.07	.07	.07	.07	.07	.07	.07
.07	.07	.07	.07	1.93	1.93	1.93	.60	.60	.60
.23	.23	.23	.23	.23	.23	.13	.13	.13	.13
.13	.13	.13	.13	.13	.13	.13	.13	.05	.05
.05	.05	.05	.05	.05	.05	.05	.05	.05	.05
.03	.03	.03	.03	.03	.03	.03	.03	.03	.03
.03	.03								

36 LS SCS LOSS RATE

STRTL	.63	INITIAL ABSTRACTION
CRVNBR	76.00	CURVE NUMBER
RTIMP	.00	PERCENT IMPERVIOUS AREA

37 UD SCS DIMENSIONLESS UNITGRAPH

TLAG	.50	LAG

***

UNIT HYDROGRAPH
32 END-OF-PERIOD ORDINATES

115.	339.	696.	1166.	1527.	1691.	1691.	1548.	1350.	1080.
797.	617.	477.	381.	298.	229.	178.	139.	108.	84.
65.	51.	40.	31.	24.	19.	16.	12.	9.	7.
4.	1.								

*** ***

```
              **************
              *            *
              *       ADD  *
              *            *
              **************

 39 HC          HYDROGRAPH COMBINATION
                      ICOMP          5  NUMBER OF HYDROGRAPHS TO COMBINE

                                                  ***


*** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** *** ***


              **************
              *            *
 40 KK        *        22  *
              *            *
              **************

                SUBBASIN RUNOFF DATA

 41 BA          SUBBASIN CHARACTERISTICS
                      TAREA       1.79  SUBBASIN AREA

                BASE FLOW CHARACTERISTICS
                      STRTQ        .00  INITIAL FLOW
                      QRCSN        .00  BEGIN BASE FLOW RECESSION
                      RTIOR    1.00000  RECESSION CONSTANT

                PRECIPITATION DATA

 16 PB                STORM      12.80  BASIN TOTAL PRECIPITATION

 16 PI            INCREMENTAL PRECIPITATION PATTERN
                      .03       .03       .03       .03       .03       .03       .03       .03       .03       .03
                      .03       .03       .07       .07       .07       .07       .07       .07       .07       .07
                      .07       .07       .07       .07      1.93      1.93      1.93       .60       .60       .60
                      .23       .23       .23       .23       .23       .23       .13       .13       .13       .13
                      .13       .13       .13       .13       .13       .13       .13       .13       .05       .05
                      .05       .05       .05       .05       .05       .05       .05       .05       .05       .05
                      .03       .03       .03       .03       .03       .03       .03       .03       .03       .03
                      .03       .03

 42 LS          SCS LOSS RATE
                      STRTL        .53  INITIAL ABSTRACTION
                     CRVNBR      79.00  CURVE NUMBER
                      RTIMP        .00  PERCENT IMPERVIOUS AREA

 43 UD          SCS DIMENSIONLESS UNITGRAPH
                       TLAG        .40  LAG

                                                  ***

                                    UNIT HYDROGRAPH
                              26 END-OF-PERIOD ORDINATES
```

```
        180.     554.    1167.    1725.    1948.    1902.    1652.    1310.     905.     662.
        495.     368.     267.     197.     144.     105.      78.      57.      42.      31.
         23.      18.      14.       9.       6.       2.
```

*** ***

```
        **************
        *            *
 44 KK  *    TOTAL   *
        *            *
        **************

 45 HC        HYDROGRAPH COMBINATION
                   ICOMP          2  NUMBER OF HYDROGRAPHS TO COMBINE

                                                          ***
```

*** ***

```
        **************
        *            *
 46 KK  *    SPILL   *
        *            *
        **************

 47 KO        OUTPUT CONTROL VARIABLES
                   IPRNT          1  PRINT CONTROL
                   IPLOT          0  PLOT CONTROL
                   QSCAL         0.  HYDROGRAPH PLOT SCALE

            HYDROGRAPH ROUTING DATA

 48 RS        STORAGE ROUTING
                   NSTPS          1  NUMBER OF SUBREACHES
                    ITYP       ELEV  TYPE OF INITIAL CONDITION
                  RSVRIC    1583.40  INITIAL CONDITION
                       X        .00 WORKING R AND D COEFFICIENT

 49 SV          STORAGE         .0     149.4     466.4     901.6    1432.7    2059.8    2784.0    3610.3    4063.4    4550.0

 50 SQ        DISCHARGE         0.      100.      690.      850.     3010.     6900.    11920.    17850.    21115.    24560.

 51 SE        ELEVATION    1577.50   1578.00   1580.00   1582.00   1584.00   1586.00   1588.00   1590.00   1591.00   1592.00

 52 ST        TOP OF DAM
                   TOPEL    1591.00  ELEVATION AT TOP OF DAM
                  DAMWID   21775.00  DAM WIDTH
                    COQD       3.00  WEIR COEFFICIENT
                    EXPD       1.50  EXPONENT OF HEAD

                                                          ***
```

HYDROGRAPH AT STATION SPILL

DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE	DA	MON	HRMN	ORD	OUTFLOW	STORAGE	STAGE
1		0000	1	2362.	1273.4	1583.4	1		0535	68	13544.	3010.3	1588.5	1		1110	135	2890.	1403.2	1583.9
1		0005	2	2355.	1271.6	1583.4	1		0540	69	13177.	2959.1	1588.4	1		1115	136	2868.	1397.8	1583.9
1		0010	3	2348.	1269.9	1583.4	1		0545	70	12818.	2909.1	1588.3	1		1120	137	2847.	1392.6	1583.8
1		0015	4	2341.	1268.2	1583.4	1		0550	71	12469.	2860.5	1588.2	1		1125	138	2826.	1387.5	1583.8
1		0020	5	2334.	1266.6	1583.4	1		0555	72	12131.	2813.4	1588.1	1		1130	139	2806.	1382.6	1583.8
1		0025	6	2328.	1265.0	1583.4	1		0600	73	11809.	2768.0	1588.0	1		1135	140	2787.	1377.8	1583.8
1		0030	7	2322.	1263.4	1583.4	1		0605	74	11503.	2723.9	1587.8	1		1140	141	2768.	1373.1	1583.8
1		0035	8	2315.	1261.9	1583.4	1		0610	75	11206.	2681.1	1587.7	1		1145	142	2749.	1368.6	1583.8
1		0040	9	2310.	1260.5	1583.4	1		0615	76	10916.	2639.1	1587.6	1		1150	143	2731.	1364.2	1583.7
1		0045	10	2304.	1259.0	1583.3	1		0620	77	10627.	2597.5	1587.5	1		1155	144	2714.	1359.9	1583.7
1		0050	11	2298.	1257.7	1583.3	1		0625	78	10339.	2555.9	1587.4	1		1200	145	2697.	1355.7	1583.7
1		0055	12	2293.	1256.3	1583.3	1		0630	79	10049.	2514.1	1587.3	1		1205	146	2680.	1351.7	1583.7
1		0100	13	2287.	1255.0	1583.3	1		0635	80	9758.	2472.1	1587.1	1		1210	147	2664.	1347.7	1583.7
1		0105	14	2282.	1253.7	1583.3	1		0640	81	9467.	2430.1	1587.0	1		1215	148	2649.	1343.9	1583.7
1		0110	15	2277.	1252.5	1583.3	1		0645	82	9177.	2388.4	1586.9	1		1220	149	2634.	1340.2	1583.7
1		0115	16	2272.	1251.3	1583.3	1		0650	83	8892.	2347.2	1586.8	1		1225	150	2619.	1336.5	1583.6
1		0120	17	2268.	1250.1	1583.3	1		0655	84	8611.	2306.7	1586.7	1		1230	151	2604.	1333.0	1583.6
1		0125	18	2263.	1249.0	1583.3	1		0700	85	8337.	2267.1	1586.6	1		1235	152	2590.	1329.6	1583.6
1		0130	19	2259.	1248.0	1583.3	1		0705	86	8070.	2228.6	1586.5	1		1240	153	2577.	1326.2	1583.6
1		0135	20	2256.	1247.2	1583.3	1		0710	87	7811.	2191.2	1586.4	1		1245	154	2564.	1323.0	1583.6
		0140	21	2253.	1246.6	1583.3	1		0715	88	7560.	2155.0	1586.3	1		1250	155	2551.	1319.8	1583.6
		0145	22	2252.	1246.4	1583.3	1		0720	89	7318.	2120.0	1586.2	1		1255	156	2539.	1316.8	1583.6
1		0150	23	2254.	1246.7	1583.3	1		0725	90	7084.	2086.4	1586.1	1		1300	157	2527.	1313.9	1583.6
1		0155	24	2258.	1247.7	1583.3	1		0730	91	6864.	2054.1	1586.0	1		1305	158	2515.	1311.0	1583.5
1		0200	25	2265.	1249.4	1583.3	1		0735	92	6671.	2022.9	1585.9	1		1310	159	2504.	1308.2	1583.5
1		0205	26	2285.	1254.5	1583.3	1		0740	93	6485.	1992.9	1585.8	1		1315	160	2493.	1305.5	1583.5
1		0210	27	2358.	1272.3	1583.4	1		0745	94	6305.	1963.9	1585.7	1		1320	161	2482.	1302.8	1583.5
1		0215	28	2553.	1320.3	1583.6	1		0750	95	6133.	1936.1	1585.6	1		1325	162	2471.	1300.2	1583.5
1		0220	29	2957.	1419.6	1584.0	1		0755	96	5967.	1909.3	1585.5	1		1330	163	2461.	1297.7	1583.5
1		0225	30	3947.	1583.7	1584.5	1		0800	97	5807.	1883.6	1585.4	1		1335	164	2451.	1295.3	1583.5
1		0230	31	5346.	1809.3	1585.2	1		0805	98	5654.	1858.9	1585.4	1		1340	165	2441.	1292.9	1583.5
1		0235	32	7036.	2079.5	1586.1	1		0810	99	5507.	1835.2	1585.3	1		1345	166	2432.	1290.5	1583.5
1		0240	33	9059.	2371.3	1586.9	1		0815	100	5365.	1812.4	1585.2	1		1350	167	2423.	1288.3	1583.5
1		0245	34	11067.	2660.9	1587.7	1		0820	101	5230.	1790.5	1585.1	1		1355	168	2414.	1286.1	1583.4
1		0250	35	12966.	2929.7	1588.4	1		0825	102	5100.	1769.6	1585.1	1		1400	169	2405.	1283.9	1583.4
1		0255	36	14669.	3167.1	1588.9	1		0830	103	4975.	1749.4	1585.0	1		1405	170	2396.	1281.8	1583.4
1		0300	37	16126.	3370.1	1589.4	1		0835	104	4855.	1730.1	1584.9	1		1410	171	2388.	1279.8	1583.4
1		0305	38	17346.	3540.0	1589.8	1		0840	105	4740.	1711.6	1584.9	1		1415	172	2380.	1277.9	1583.4
1		0310	39	18345.	3679.1	1590.2	1		0845	106	4630.	1693.9	1584.8	1		1420	173	2373.	1276.0	1583.4
1		0315	40	19141.	3789.5	1590.4	1		0850	107	4524.	1676.8	1584.8	1		1425	174	2365.	1274.1	1583.4
1		0320	41	19746.	3873.4	1590.6	1		0855	108	4423.	1660.5	1584.7	1		1430	175	2358.	1272.3	1583.4
1		0325	42	20176.	3933.1	1590.7	1		0900	109	4326.	1644.9	1584.7	1		1435	176	2351.	1270.6	1583.4
1		0330	43	20454.	3971.7	1590.8	1		0905	110	4233.	1629.9	1584.6	1		1440	177	2344.	1268.9	1583.4
1		0335	44	20607.	3992.9	1590.8	1		0910	111	4144.	1615.5	1584.6	1		1445	178	2337.	1267.2	1583.4
1		0340	45	20661.	4000.4	1590.9	1		0915	112	4058.	1601.7	1584.5	1		1450	179	2330.	1265.6	1583.4
1		0345	46	20643.	3997.9	1590.9	1		0920	113	3977.	1588.5	1584.5	1		1455	180	2324.	1264.0	1583.4
		0350	47	20559.	3986.3	1590.8	1		0925	114	3898.	1575.9	1584.5	1		1500	181	2318.	1262.5	1583.4
1		0355	48	20429.	3968.2	1590.8	1		0930	115	3823.	1563.8	1584.4	1		1505	182	2312.	1261.0	1583.4
1		0400	49	20264.	3945.3	1590.7	1		0935	116	3751.	1552.2	1584.4	1		1510	183	2306.	1259.6	1583.3
1		0405	50	20071.	3918.5	1590.7	1		0940	117	3682.	1541.0	1584.3	1		1515	184	2300.	1258.2	1583.3
1		0410	51	19854.	3888.4	1590.6	1		0945	118	3616.	1530.3	1584.3	1		1520	185	2295.	1256.8	1583.3

1	0415	52	19611.	3854.7	1590.5	*	1	0950	119	3552.	1520.1	1584.3	*	1	1525	186	2289.	1255.5	1583.3
1	0420	53	19339.	3816.9	1590.5	*	1	0955	120	3492.	1510.3	1584.2	*	1	1530	187	2284.	1254.2	1583.3
1	0425	54	19034.	3774.6	1590.4	*	1	1000	121	3433.	1500.9	1584.2	*	1	1535	188	2279.	1253.0	1583.3
1	0430	55	18697.	3727.8	1590.3	*	1	1005	122	3378.	1491.9	1584.2	*	1	1540	189	2274.	1251.8	1583.3
1	0435	56	18332.	3677.2	1590.1	*	1	1010	123	3324.	1483.3	1584.2	*	1	1545	190	2269.	1250.6	1583.3
1	0440	57	17944.	3623.4	1590.0	*	1	1015	124	3273.	1475.1	1584.1	*	1	1550	191	2265.	1249.5	1583.3
1	0445	58	17542.	3567.4	1589.9	*	1	1020	125	3224.	1467.1	1584.1	*	1	1555	192	2260.	1248.3	1583.3
1	0450	59	17131.	3510.1	1589.8	*	1	1025	126	3177.	1459.6	1584.1	*	1	1600	193	2256.	1247.2	1583.3
1	0455	60	16715.	3452.2	1589.6	*	1	1030	127	3132.	1452.3	1584.1	*	1	1605	194	2251.	1246.1	1583.3
1	0500	61	16300.	3394.3	1589.5	*	1	1035	128	3088.	1445.3	1584.0	*	1	1610	195	2247.	1245.1	1583.3
1	0505	62	15888.	3337.0	1589.3	*	1	1040	129	3047.	1438.7	1584.0	*	1	1615	196	2243.	1244.1	1583.3
1	0510	63	15482.	3280.3	1589.2	*	1	1045	130	3009.	1432.3	1584.0	*	1	1620	197	2239.	1243.1	1583.3
1	0515	64	15082.	3224.6	1589.1	*	1	1050	131	2984.	1426.2	1584.0	*	1	1625	198	2235.	1242.2	1583.3
1	0520	65	14688.	3169.7	1588.9	*	1	1055	132	2959.	1420.2	1584.0	*	1	1630	199	2232.	1241.3	1583.3
1	0525	66	14300.	3115.7	1588.8	*	1	1100	133	2935.	1414.4	1583.9	*	1	1635	200	2228.	1240.4	1583.3
1	0530	67	13919.	3062.5	1588.7	*	1	1105	134	2912.	1408.7	1583.9	*						
						*							*						

****

PEAK OUTFLOW IS 20661. AT TIME 3.67 HOURS

PEAK FLOW	TIME		MAXIMUM AVERAGE FLOW			
			6-HR	24-HR	72-HR	16.58-HR
+ (CFS)	(HR)					
		(CFS)				
+ 20661.	3.67		12891.	6426.	6426.	6426.
		(INCHES)	10.495	14.460	14.460	14.460
		(AC-FT)	6392.	8807.	8807.	8807.

PEAK STORAGE	TIME	MAXIMUM AVERAGE STORAGE			
		6-HR	24-HR	72-HR	16.58-HR
+ (AC-FT)	(HR)				
4000.	3.67	2907.	1917.	1917.	1917.

PEAK STAGE	TIME	MAXIMUM AVERAGE STAGE			
		6-HR	24-HR	72-HR	16.58-HR
+ (FEET)	(HR)				
1590.86	3.67	1588.18	1585.32	1585.32	1585.32

CUMULATIVE AREA = 11.42 SQ MI

1

RUNOFF SUMMARY
FLOW IN CUBIC FEET PER SECOND
TIME IN HOURS, AREA IN SQUARE MILES

	OPERATION	STATION	PEAK FLOW	TIME OF PEAK	AVERAGE FLOW FOR MAXIMUM PERIOD 6-HOUR	24-HOUR	72-HOUR	BASIN AREA	MAXIMUM STAGE	TIME OF MAX STAGE
+	HYDROGRAPH AT	17	9835.	2.67	3574.	2633.	2633.	1.44		
+	HYDROGRAPH AT	18	5274.	2.58	942.	341.	341.	.92		
+	HYDROGRAPH AT	19	15526.	3.00	4235.	1534.	1534.	4.08		

HYDROGRAPH AT								
	20	6524.	2.67	1310.	474.	474.	1.28	
HYDROGRAPH AT								
	21	9179.	2.75	1984.	718.	718.	1.91	
5 COMBINED AT								
	ADD	42623.	2.75	12044.	5700.	5700.	9.63	
HYDROGRAPH AT								
	22	10306.	2.67	1941.	702.	702.	1.79	
2 COMBINED AT								
	TOTAL	52147.	2.75	13983.	6403.	6403.	11.42	
ROUTED TO								
	SPILL	20661.	3.67	12891.	6426.	6426.	11.42	
								1590.86 3.67

SUMMARY OF DAM OVERTOPPING/BREACH ANALYSIS FOR STATION SPILL

PLAN 1 .....

	INITIAL VALUE	SPILLWAY CREST	TOP OF DAM
ELEVATION	1583.40	1591.00	1591.00
STORAGE	1273.	4063.	4063.
OUTFLOW	2362.	21115.	21115.

RATIO OF PMF	MAXIMUM RESERVOIR W.S.ELEV	MAXIMUM DEPTH OVER DAM	MAXIMUM STORAGE AC-FT	MAXIMUM OUTFLOW CFS	DURATION OVER TOP HOURS	TIME OF MAX OUTFLOW HOURS	TIME OF FAILURE HOURS
1.00	1590.86	.00	4000.	20661.	.00	3.67	.00

*** NORMAL END OF HEC-1 ***

PROJECT TITLE : PIPING BREACH ANALYSIS
PROJECT NUMBER : S-22 SPOOK HILL FRS 6/27/1990

Breach Analysis at Locations A and B

file: BREACHAB.OUT

==========
B O S S B R E A C H (tm)
==========

Copyright (C) 1988 Boss Corporation
All Rights Reserved

Version : 1.10
Serial Number : 0001057.110

PROGRAM ORIGIN :

Boss Breach (tm) is an enhanced version of Professor D. L. Fread's July 1988 NWS BREACH program.

DISCLAIMER :

Boss Breach (tm) is a complex program which requires engineering expertise to use correctly. Boss Corporation assumes absolutely no responsibility for the correct use of this program. All results obtained should be carefully examined by an experienced professional engineer to determine if they are reasonable and accurate.

Although Boss Corporation has endeavored to make Boss Breach error free, the program is not and cannot be certified as infallible. Therefore, Boss Corporation makes no warranty, either implicit or explicit, as to the correct performance or accuracy of this software.

In no event shall Boss Corporation be liable to anyone for special, collateral, incidental, or consequential damages in connection with or arising out of purchase or use of this software. The sole and exclusive liability to Boss Corporation, regardless of the form of action, shall not exceed the purchase price of this software.

PROJECT DESCRIPTION :

PROJECT TITLE : PIPING BREACH ANALYSIS
PROJECT NUMBER : S-22 SPOOK HILL FRS
DESCRIPTION : INITIAL BREACH ELEV. = 1567
ENGINEER : G.S.

DATE OF RUN : 6/27/1990
TIME OF RUN : 7:36 am

INPUT DATA :

INFLOW HYDROGRAPH DESCRIPTION :

Time Elapsed TIN(I) (hr)	Upstream Inflow QIN(I) (cfs)
.00	850.0
5.00	850.0
10.00	850.0
15.00	850.0
20.00	850.0
100.00	850.0
.00	.0
.00	.0

RESERVOIR VOLUME DESCRIPTION :

Elevation HSA(I) (ft MSL)	Surface Area RSA(I) (acres)
1582.00	232.0
1580.00	177.0
1578.00	127.0
1576.00	77.0
1574.00	31.0
1572.00	7.0
1570.00	1.0
1567.00	.0

TAILWATER CROSS-SECTION DESCRIPTION :

Elevation HSTW(I) (ft MSL)	Tailwater Top Width BSTW(I) (ft)	Tailwater Manning n CMTW(I)
1567.00	500.0	.0300
1578.00	10000.0	.0300
.00	.0	.0000
.00	.0	.0000
.00	.0	.0000
.00	.0	.0000

.00	.0	.0000
.00	.0	.0000

RESERVOIR AND PIPING BREACH DESCRIPTION :

Initial Reservoir Water Surface Elevation (ft MSL, HI)	1582.00
Dam Bottom Elevation (ft MSL, HL)	1567.00
Dam Top Elevation (ft MSL, HU)	1591.00
Spillway Crest Elevation (ft MSL, HSP)	1577.50
Dam Crest Length (ft, CRL)	20000.00
Dam Crest Width (ft, WC)	14.00
Ratio of Breach Width to Flow Depth (BR)	1.000
Initial Piping Failure Width (ft, H)	.10
Initial Piping Failure Elevation (ft MSL, HPI)	1567.00

DAM INNER CORE DESCRIPTION :

D50 Grain Size (mm, D50C)		2.000
Ratio of D90 to D30 Grain Sizes (UNFCC)		120.000
Porosity Ratio (PORC)		.300
Unit Weight (lb/cu ft, UWC)		120.00
Manning n of Core Material (CNC)		.0150
Internal Friction Angle (degrees, AFRC)		33.00
Cohesive Strength (lb/sq ft, COHC)		.00
Average Upstream & Downstream Inner Core Slope (ZC)	1 :	1.00

DAM OUTER CORE DESCRIPTION :

D50 Grain Size (mm, D50S)	2.000
Ratio of D90 to D30 Grain Sizes (UNFCS)	120.000
Porosity Ratio (PORS)	.300
Unit Weight (lb/cu ft, UWS)	120.00
Manning n of Core Material (CNS)	.0150
Internal Friction Angle (degrees, AFRS)	33.00
Cohesive Strength (lb/sq ft, COHS)	.00
Average Clay Plasticity Index (PI)	.00
CA Clay Critical Shear Stress Coefficient (CA)	.010
CB Clay Critical Shear Stress Coefficient (CB)	.700

DAM FACE DESCRIPTION :

Upstream Face Slope (ZU)	1 (vertical) :	3.00
Downstream Face Slope (ZD)	1 (vertical) :	2.00
Downstream Face D50 Grain Size (mm, D50DF)		2.000
Downstream Face D90 to D30 Grain Size Ratio (UNFCDF)		120.000
Average Grass Length (inches, GL)		.00
Grass Condition Factor (1=good, 0=none, GS)		.00
Maximum Grass-Lined Channel Velocity (ft/sec, VMP)		.00

BOUNDARY CONDITIONS :

Simulation Duration (hr, TEH)	20.00
Basic Time-Step Size (hr, DTH)	.025
Iteration Error Tolerance (%, ERR)	.10
Downstream River Bottom Slope (ft/mi, SM)	110.000
Maximum Allowable Breach Bottom Width (ft, BMX)	500.000
Discharge Plot Time-Step Interval (FPT)	10.00
Time-step at which Plotting Starts (TPR)	.00

INPUT DATA :

SPILLWAY RATING CURVE :

Head SPH(I) (ft)	Spillway Flow SPQ(I) (cfs)
.00	.0
1.00	300.0
2.00	600.0
3.00	750.0
4.00	830.0
5.00	865.0
.00	.0
.00	.0

INTERNAL COMPUTATION CHECKS :

Avg. inner & outer matl. internal friction angle (rad, AFRA)	33.00
Equation 21 Theta1' (radians, TH1)	61.50
Equation 13 Critical Depth H1' (ft, H1)	.06
Equation 21 Theta2' (radians, TH2)	47.25
Equation 13 Critical Depth H2' (ft, H2)	.20
Equation 21 Theta3' (radians, TH3)	40.13
Equation 13 Critical Depth H3' (ft, H3)	.67

FAILURE CODES (KG) :

0 = No erosion of grassed face
1 = Erosion of dam downstream face
2 = Erosion of dam upstream face
3 = Draining of reservoir with breach size continuing to increase
4 = Piping mode
5 = Collapse mode

PPP DESCRIPTION BASED ON ABOVE FAILURE CODES (KG) :

1 = Depth of erosion perpendicular to downstream face
2 = Length of breach along downstream face
3 = Increase in breach width
4 = Elevation of top of piping breach

HP DESCRIPTION BASED ON ABOVE FAILURE CODES (KG) :

1 = Erosion width across top of dam
2 = Erosion depth at upstream face
3 = Breach flow depth
4 = Piping head

PROJECT TITLE : PIPING BREACH ANALYSIS

PROJECT NUMBER : S-22 SPOOK HILL FRS 6/27/1990

Step I	Time Step (hr) DTH	Elpse Time (hr) T	Fail Code KG	Spillway Outflow (cfs) QTS	Breach Outflow (cfs) QB	Total Outflow (cfs) QTOT	Sbmrg Crctn Factr SUB	Brech Top Width (ft) BT	Rsrvor W. S. Elev. (ft - MSL) HY	Breach Bottom Elev. (ft - MSL) HC	Brech Bottm Width (ft) BO	Top of Pipe Breach (ft) PPP	Piping Head (ft) HP	Brech Manig (n) CNN	Estmte Erosin Depth Incrse (ft) DH	Comput Erosin Depth Incrse (ft) DHH	Itrtn Count KIT	Brech Vrtcl Side Angle (deg) ALG
1	.006	.006	4	847.5	.0	847.5	1.000	.1	1582.0	1567.0	.1	1567.1	15.0	.0150	.003	.004	0	.00
1	.006	.006	4	847.5	.0	847.5	1.000	.1	1582.0	1567.0	.1	1567.1	14.8	.0150	.004	.004	1	.00
1	.006	.006	4	847.5	.0	847.5	1.000	.1	1582.0	1567.0	.1	1567.1	14.8	.0150	.004	.004	2	.00
1	.006	.006	4	847.5	.0	847.5	1.000	.1	1582.0	1567.0	.1	1567.1	14.8	.0150	.004	.004	3	.00
2	.006	.013	4	847.5	.0	847.5	1.000	.1	1582.0	1567.0	.1	1567.1	14.8	.0150	.004	.004	0	.00
2	.006	.013	4	847.5	.0	847.5	1.000	.1	1582.0	1567.0	.1	1567.1	14.8	.0150	.004	.004	1	.00
2	.006	.013	4	847.5	.0	847.5	1.000	.1	1582.0	1567.0	.1	1567.1	14.8	.0150	.004	.004	2	.00
2	.006	.013	4	847.5	.0	847.5	1.000	.1	1582.0	1567.0	.1	1567.1	14.8	.0150	.004	.004	3	.00
3	.006	.019	4	847.5	.0	847.5	1.000	.1	1582.0	1567.0	.1	1567.1	14.8	.0150	.004	.004	0	.00
3	.006	.019	4	847.5	.0	847.5	1.000	.1	1582.0	1567.0	.1	1567.1	14.8	.0150	.004	.005	1	.00
3	.006	.019	4	847.5	.0	847.5	1.000	.1	1582.0	1567.0	.1	1567.1	14.8	.0150	.005	.005	2	.00
3	.006	.019	4	847.5	.0	847.5	1.000	.1	1582.0	1567.0	.1	1567.1	14.8	.0150	.005	.005	3	.00
4	.006	.025	4	847.5	.0	847.5	1.000	.1	1582.0	1567.0	.1	1567.1	14.8	.0150	.005	.005	0	.00
4	.006	.025	4	847.5	.0	847.5	1.000	.1	1582.0	1567.0	.1	1567.1	14.8	.0150	.005	.005	1	.00
4	.006	.025	4	847.5	.0	847.5	1.000	.1	1582.0	1567.0	.1	1567.1	14.8	.0150	.005	.005	2	.00
[illegible]	.006	.025	4	847.5	.0	847.5	1.000	.1	1582.0	1567.0	.1	1567.1	14.8	.0150	.005	.005	3	.00
[illegible]	.006	.031	4	847.5	.1	847.6	1.000	.1	1582.0	1567.0	.1	1567.1	14.8	.0150	.005	.005	0	.00
5	.006	.031	4	847.5	.1	847.6	1.000	.1	1582.0	1567.0	.1	1567.1	14.8	.0150	.005	.005	1	.00
5	.006	.031	4	847.5	.1	847.6	1.000	.1	1582.0	1567.0	.1	1567.1	14.8	.0150	.005	.006	2	.00
5	.006	.031	4	847.5	.1	847.6	1.000	.1	1582.0	1567.0	.1	1567.1	14.8	.0150	.006	.006	3	.00
6	.006	.038	4	847.5	.1	847.6	1.000	.1	1582.0	1567.0	.1	1567.1	14.8	.0150	.006	.006	0	.00
6	.006	.038	4	847.5	.1	847.6	1.000	.1	1582.0	1567.0	.1	1567.1	14.8	.0150	.006	.006	1	.00
6	.006	.038	4	847.5	.1	847.6	1.000	.1	1582.0	1567.0	.1	1567.1	14.8	.0150	.006	.006	2	.00
6	.006	.038	4	847.5	.1	847.6	1.000	.1	1582.0	1567.0	.1	1567.1	14.8	.0150	.006	.006	3	.00
7	.006	.044	4	847.5	.1	847.6	1.000	.1	1582.0	1567.0	.1	1567.1	14.8	.0150	.006	.007	0	.00
7	.006	.044	4	847.5	.1	847.6	1.000	.1	1582.0	1567.0	.1	1567.1	14.8	.0150	.007	.007	1	.00
7	.006	.044	4	847.5	.1	847.6	1.000	.1	1582.0	1567.0	.1	1567.1	14.8	.0150	.007	.007	2	.00
7	.006	.044	4	847.5	.1	847.6	1.000	.1	1582.0	1567.0	.1	1567.1	14.8	.0150	.007	.007	3	.00
8	.006	.050	4	847.5	.1	847.6	1.000	.1	1582.0	1567.0	.1	1567.1	14.8	.0150	.007	.007	0	.00
8	.006	.050	4	847.5	.1	847.6	1.000	.2	1582.0	1567.0	.2	1567.1	14.8	.0150	.007	.008	1	.00
8	.006	.050	4	847.5	.1	847.6	1.000	.2	1582.0	1567.0	.2	1567.1	14.8	.0150	.008	.008	2	.00
8	.006	.050	4	847.5	.1	847.6	1.000	.2	1582.0	1567.0	.2	1567.1	14.8	.0150	.008	.008	3	.00
9	.006	.056	4	847.5	.1	847.6	1.000	.2	1582.0	1567.0	.2	1567.1	14.8	.0150	.008	.008	0	.00
9	.006	.056	4	847.5	.1	847.6	1.000	.2	1582.0	1567.0	.2	1567.1	14.8	.0150	.008	.009	1	.00
9	.006	.056	4	847.5	.1	847.6	1.000	.2	1582.0	1567.0	.2	1567.1	14.8	.0150	.009	.009	2	.00
9	.006	.056	4	847.5	.1	847.6	1.000	.2	1582.0	1567.0	.2	1567.1	14.8	.0150	.009	.009	3	.00
10	.006	.063	4	847.5	.1	847.6	1.000	.2	1582.0	1567.0	.2	1567.1	14.8	.0150	.009	.010	0	.00
10	.006	.063	4	847.5	.1	847.6	1.000	.2	1582.0	1567.0	.2	1567.1	14.8	.0150	.010	.010	1	.00
10	.006	.063	4	847.5	.1	847.6	1.000	.2	1582.0	1567.0	.2	1567.1	14.8	.0150	.010	.010	2	.00
10	.006	.063	4	847.5	.1	847.6	1.000	.2	1582.0	1567.0	.2	1567.1	14.8	.0150	.010	.010	3	.00
10	.006	.063	4	847.5	.1	847.6	1.000	.2	1582.0	1567.0	.2	1567.1	14.8	.0150	.010	.010	4	.00
[illegible]	.006	.069	4	847.5	.1	847.6	1.000	.2	1582.0	1567.0	.2	1567.1	14.8	.0150	.010	.011	0	.00
[illegible]	.006	.069	4	847.5	.1	847.6	1.000	.2	1582.0	1567.0	.2	1567.1	14.8	.0150	.011	.011	1	.00
11	.006	.069	4	847.5	.1	847.6	1.000	.2	1582.0	1567.0	.2	1567.1	14.8	.0150	.011	.011	2	.00
11	.006	.069	4	847.5	.1	847.6	1.000	.2	1582.0	1567.0	.2	1567.1	14.8	.0150	.011	.011	3	.00
11	.006	.069	4	847.5	.1	847.6	1.000	.2	1582.0	1567.0	.2	1567.1	14.8	.0150	.011	.011	4	.00

12	.006	.075	4	847.5	.2	847.7	1.000	.2	1582.0	1567.0	.2	1567.1	14.8	.0150	.011	.013	0	.00
12	.006	.075	4	847.5	.2	847.7	1.000	.2	1582.0	1567.0	.2	1567.1	14.8	.0150	.013	.013	1	.00
12	.006	.075	4	847.5	.2	847.7	1.000	.2	1582.0	1567.0	.2	1567.1	14.8	.0150	.013	.013	2	.00
[illegible]	.006	.075	4	847.5	.2	847.7	1.000	.2	1582.0	1567.0	.2	1567.1	14.8	.0150	.013	.013	3	.00
[illegible]	.006	.075	4	847.5	.2	847.7	1.000	.2	1582.0	1567.0	.2	1567.1	14.8	.0150	.013	.013	4	.00
13	.006	.081	4	847.5	.2	847.7	1.000	.2	1582.0	1567.0	.2	1567.1	14.8	.0150	.013	.015	0	.00
13	.006	.081	4	847.5	.2	847.7	1.000	.2	1582.0	1567.0	.2	1567.1	14.8	.0150	.015	.016	1	.00
13	.006	.081	4	847.5	.2	847.7	1.000	.2	1582.0	1567.0	.2	1567.1	14.8	.0150	.016	.016	2	.00
13	.006	.081	4	847.5	.2	847.7	1.000	.2	1582.0	1567.0	.2	1567.1	14.8	.0150	.016	.016	3	.00
13	.006	.081	4	847.5	.2	847.7	1.000	.2	1582.0	1567.0	.2	1567.1	14.8	.0150	.016	.016	4	.00
14	.006	.088	4	847.5	.3	847.8	1.000	.2	1582.0	1567.0	.2	1567.1	14.8	.0150	.016	.018	0	.00
14	.006	.088	4	847.5	.3	847.8	1.000	.2	1582.0	1567.0	.2	1567.1	14.8	.0150	.018	.019	1	.00
14	.006	.088	4	847.5	.3	847.8	1.000	.2	1582.0	1567.0	.2	1567.1	14.8	.0150	.019	.019	2	.00
14	.006	.088	4	847.5	.3	847.8	1.000	.2	1582.0	1567.0	.2	1567.1	14.8	.0150	.019	.019	3	.00
14	.006	.088	4	847.5	.3	847.8	1.000	.2	1582.0	1567.0	.2	1567.1	14.8	.0150	.019	.019	4	.00
15	.006	.094	4	847.5	.4	847.9	1.000	.3	1582.0	1567.0	.3	1567.1	14.8	.0150	.019	.022	0	.00
15	.006	.094	4	847.5	.4	847.9	1.000	.3	1582.0	1567.0	.3	1567.1	14.8	.0150	.022	.023	1	.00
15	.006	.094	4	847.5	.4	847.9	1.000	.3	1582.0	1567.0	.3	1567.1	14.8	.0150	.023	.023	2	.00
15	.006	.094	4	847.5	.4	847.9	1.000	.3	1582.0	1567.0	.3	1567.1	14.8	.0150	.023	.023	3	.00
15	.006	.094	4	847.5	.4	847.9	1.000	.3	1582.0	1567.0	.3	1567.1	14.8	.0150	.023	.023	4	.00
15	.006	.094	4	847.5	.4	847.9	1.000	.3	1582.0	1567.0	.3	1567.1	14.8	.0150	.023	.023	5	.00
16	.006	.100	4	847.5	.5	848.0	1.000	.3	1582.0	1567.0	.3	1567.1	14.8	.0150	.023	.027	0	.00
16	.006	.100	4	847.5	.5	848.0	1.000	.3	1582.0	1567.0	.3	1567.1	14.8	.0150	.027	.028	1	.00
16	.006	.100	4	847.5	.6	848.1	1.000	.3	1582.0	1567.0	.3	1567.2	14.8	.0150	.028	.029	2	.00
16	.006	.100	4	847.5	.6	848.1	1.000	.3	1582.0	1567.0	.3	1567.2	14.8	.0150	.029	.029	3	.00
16	.006	.100	4	847.5	.6	848.1	1.000	.3	1582.0	1567.0	.3	1567.2	14.8	.0150	.029	.029	4	.00
16	.006	.100	4	847.5	.6	848.1	1.000	.3	1582.0	1567.0	.3	1567.2	14.8	.0150	.029	.029	5	.00
17	.006	.106	4	847.5	.7	848.2	1.000	.3	1582.0	1567.0	.3	1567.2	14.8	.0150	.029	.034	0	.00
17	.006	.106	4	847.5	.8	848.3	1.000	.3	1582.0	1567.0	.3	1567.2	14.8	.0150	.034	.036	1	.00
[illegible]	.006	.106	4	847.5	.8	848.3	1.000	.3	1582.0	1567.0	.3	1567.2	14.8	.0150	.036	.036	2	.00
[illegible]	.006	.106	4	847.5	.8	848.3	1.000	.3	1582.0	1567.0	.3	1567.2	14.8	.0150	.036	.037	3	.00
17	.006	.106	4	847.5	.8	848.3	1.000	.3	1582.0	1567.0	.3	1567.2	14.8	.0150	.037	.037	4	.00
17	.006	.106	4	847.5	.8	848.3	1.000	.3	1582.0	1567.0	.3	1567.2	14.8	.0150	.037	.037	5	.00
18	.006	.113	4	847.5	1.1	848.6	1.000	.4	1582.0	1567.0	.4	1567.2	14.8	.0150	.037	.044	0	.00
18	.006	.113	4	847.5	1.2	848.7	1.000	.4	1582.0	1567.0	.4	1567.2	14.8	.0150	.044	.047	1	.00
18	.006	.113	4	847.5	1.2	848.7	1.000	.4	1582.0	1567.0	.4	1567.2	14.8	.0150	.047	.048	2	.00
18	.006	.113	4	847.5	1.2	848.7	1.000	.4	1582.0	1567.0	.4	1567.2	14.8	.0150	.048	.049	3	.00
18	.006	.113	4	847.5	1.2	848.7	1.000	.4	1582.0	1567.0	.4	1567.2	14.8	.0150	.049	.049	4	.00
18	.006	.113	4	847.5	1.2	848.8	1.000	.4	1582.0	1567.0	.4	1567.2	14.8	.0150	.049	.049	5	.00
19	.006	.119	4	847.5	1.7	849.2	1.000	.5	1582.0	1567.0	.5	1567.2	14.8	.0150	.049	.060	0	.00
19	.006	.119	4	847.5	1.9	849.4	1.000	.5	1582.0	1567.0	.5	1567.2	14.8	.0150	.060	.064	1	.00
19	.006	.119	4	847.5	2.0	849.5	1.000	.5	1582.0	1567.0	.5	1567.2	14.8	.0150	.064	.066	2	.00
19	.006	.119	4	847.5	2.1	849.6	1.000	.5	1582.0	1567.0	.5	1567.2	14.8	.0150	.066	.067	3	.00
19	.006	.119	4	847.5	2.1	849.6	1.000	.5	1582.0	1567.0	.5	1567.2	14.8	.0150	.067	.068	4	.00
19	.006	.119	4	847.5	2.1	849.6	1.000	.5	1582.0	1567.0	.5	1567.2	14.8	.0150	.068	.068	5	.00
20	.006	.125	4	847.5	2.9	850.4	1.000	.6	1582.0	1567.0	.6	1567.3	14.8	.0150	.068	.084	0	.00
20	.006	.125	4	847.5	3.4	850.9	1.000	.6	1582.0	1567.0	.6	1567.3	14.8	.0150	.084	.092	1	.00
20	.006	.125	4	847.5	3.6	851.1	1.000	.6	1582.0	1567.0	.6	1567.3	14.8	.0150	.092	.096	2	.00
20	.006	.125	4	847.5	3.8	851.3	1.000	.6	1582.0	1567.0	.6	1567.3	14.8	.0150	.096	.098	3	.00
20	.006	.125	4	847.5	3.8	851.3	1.000	.6	1582.0	1567.0	.6	1567.3	14.8	.0150	.098	.099	4	.00
20	.006	.125	4	847.5	3.9	851.4	1.000	.6	1582.0	1567.0	.6	1567.3	14.8	.0150	.099	.100	5	.00
21	.006	.131	4	847.5	5.7	853.2	1.000	.7	1582.0	1567.0	.7	1567.4	14.8	.0150	.099	.125	0	.00
21	.006	.131	4	847.5	6.8	854.3	1.000	.8	1582.0	1567.0	.8	1567.4	14.8	.0150	.125	.138	1	.00
21	.006	.131	4	847.5	7.4	855.0	1.000	.8	1582.0	1567.0	.8	1567.4	14.8	.0150	.138	.145	2	.00
21	.006	.131	4	847.5	7.8	855.3	1.000	.8	1582.0	1567.0	.8	1567.4	14.8	.0150	.145	.149	3	.00
[illegible]	.006	.131	4	847.5	8.0	855.5	1.000	.8	1582.0	1567.0	.8	1567.4	14.8	.0150	.149	.151	4	.00
[illegible]	.006	.131	4	847.5	8.1	855.6	1.000	.8	1582.0	1567.0	.8	1567.4	14.8	.0150	.151	.152	5	.00
22	.006	.138	4	847.5	12.5	860.0	1.000	1.0	1582.0	1567.0	1.0	1567.5	14.8	.0150	.151	.192	0	.00
22	.006	.138	4	847.5	15.3	862.9	1.000	1.1	1582.0	1567.0	1.1	1567.5	14.7	.0150	.192	.213	1	.00
22	.006	.138	4	847.5	16.9	864.4	1.000	1.1	1582.0	1567.0	1.1	1567.6	14.7	.0150	.213	.223	2	.00

22	.006	.138	4	847.5	17.8	865.3	1.000	1.1	1582.0	1567.0	1.1	1567.6	14.7	.0150	.223	.228	3	.00
22	.006	.138	4	847.5	18.2	865.7	1.000	1.1	1582.0	1567.0	1.1	1567.6	14.7	.0150	.228	.231	4	.00
22	.006	.138	4	847.5	18.4	865.9	1.000	1.1	1582.0	1567.0	1.1	1567.6	14.7	.0150	.231	.232	5	.00
[illegible]	.006	.144	4	847.5	29.3	876.8	1.000	1.4	1582.0	1567.0	1.4	1567.7	14.7	.0150	.231	.285	0	.00
[illegible]	.006	.144	4	847.5	35.5	883.0	1.000	1.5	1582.0	1567.0	1.5	1567.7	14.6	.0150	.285	.308	1	.00
23	.006	.144	4	847.5	38.2	885.7	1.000	1.5	1582.0	1567.0	1.5	1567.8	14.6	.0150	.308	.317	2	.00
23	.006	.144	4	847.5	39.4	886.9	1.000	1.5	1582.0	1567.0	1.5	1567.8	14.6	.0150	.317	.320	3	.00
23	.006	.144	4	847.5	39.8	887.3	1.000	1.5	1582.0	1567.0	1.5	1567.8	14.6	.0150	.320	.322	4	.00
23	.006	.144	4	847.5	40.0	887.5	1.000	1.6	1582.0	1567.0	1.6	1567.8	14.6	.0150	.322	.322	5	.00
24	.006	.150	4	847.5	63.7	911.2	1.000	1.9	1582.0	1567.0	1.9	1567.9	14.5	.0150	.322	.377	0	.00
24	.006	.150	4	847.5	73.2	920.7	1.000	2.0	1582.0	1567.0	2.0	1568.0	14.5	.0150	.377	.392	1	.00
24	.006	.150	4	847.5	75.4	922.9	1.000	2.0	1582.0	1567.0	2.0	1568.0	14.3	.0150	.392	.382	2	.00
24	.006	.150	4	847.5	73.5	921.0	1.000	2.0	1582.0	1567.0	2.0	1568.0	14.3	.0150	.382	.379	3	.00
24	.006	.150	4	847.5	73.0	920.5	1.000	2.0	1582.0	1567.0	2.0	1568.0	14.3	.0150	.379	.379	4	.00
24	.006	.150	4	847.5	72.9	920.4	1.000	2.0	1582.0	1567.0	2.0	1568.0	14.3	.0150	.379	.378	5	.00
25	.006	.156	4	847.5	111.3	958.7	1.000	2.4	1582.0	1567.0	2.4	1568.2	14.2	.0150	.379	.424	0	.00
25	.006	.156	4	847.5	121.9	969.4	1.000	2.5	1582.0	1567.0	2.5	1568.2	14.2	.0150	.424	.433	1	.00
25	.006	.156	4	847.5	124.0	971.5	1.000	2.5	1582.0	1567.0	2.5	1568.2	14.2	.0150	.433	.435	2	.00
25	.006	.156	4	847.5	124.4	971.9	1.000	2.5	1582.0	1567.0	2.5	1568.2	14.2	.0150	.435	.435	3	.00
26	.006	.162	4	847.5	182.5	1030.0	1.000	2.9	1582.0	1567.0	2.9	1568.5	14.2	.0150	.435	.467	0	.00
26	.006	.162	4	847.5	192.1	1039.5	1.000	3.0	1582.0	1567.0	3.0	1568.5	14.2	.0150	.467	.470	1	.00
26	.006	.162	4	847.5	193.1	1040.6	1.000	3.0	1582.0	1567.0	3.0	1568.5	14.2	.0150	.470	.471	2	.00
27	.006	.169	4	847.5	270.4	1117.8	1.000	3.5	1582.0	1567.0	3.5	1568.7	14.1	.0150	.470	.479	0	.00
27	.006	.169	4	847.5	273.7	1121.1	1.000	3.5	1582.0	1567.0	3.5	1568.7	14.1	.0150	.479	.480	1	.00
28	.006	.175	4	847.4	366.5	1214.0	1.000	4.0	1582.0	1567.0	4.0	1569.0	14.0	.0150	.479	.477	0	.00
28	.006	.175	4	847.4	365.4	1212.8	1.000	3.9	1582.0	1567.0	3.9	1569.0	14.0	.0150	.477	.477	1	.00
29	.006	.181	4	847.4	471.0	1318.4	1.000	4.4	1582.0	1567.0	4.4	1569.2	13.9	.0150	.477	.467	0	.00
29	.006	.181	4	847.4	466.3	1313.7	1.000	4.4	1582.0	1567.0	4.4	1569.2	13.9	.0150	.467	.467	1	.00
29	.006	.181	4	847.4	466.5	1313.9	1.000	4.4	1582.0	1567.0	4.4	1569.2	13.9	.0150	.467	.467	2	.00
[illegible]	.006	.187	4	847.4	582.2	1429.6	1.000	4.9	1582.0	1567.0	4.9	1569.4	13.8	.0150	.467	.453	0	.00
[illegible]	.006	.187	4	847.4	574.8	1422.2	1.000	4.8	1582.0	1567.0	4.8	1569.4	13.8	.0150	.453	.454	1	.00
30	.006	.187	4	847.4	575.3	1422.7	1.000	4.8	1582.0	1567.0	4.8	1569.4	13.8	.0150	.454	.454	2	.00
31	.006	.194	4	847.3	698.9	1546.3	1.000	5.3	1582.0	1567.0	5.3	1569.6	13.7	.0150	.454	.438	0	.00
31	.006	.194	4	847.3	689.6	1537.0	1.000	5.3	1582.0	1567.0	5.3	1569.6	13.7	.0150	.438	.439	1	.00
31	.006	.194	4	847.3	690.3	1537.7	1.000	5.3	1582.0	1567.0	5.3	1569.6	13.7	.0150	.439	.439	2	.00
32	.006	.200	4	847.3	820.1	1667.3	1.000	5.7	1582.0	1567.0	5.7	1569.9	13.6	.0150	.439	.422	0	.00
32	.006	.200	4	847.3	809.5	1656.8	1.000	5.7	1582.0	1567.0	5.7	1569.8	13.6	.0150	.422	.423	1	.00
32	.006	.200	4	847.3	810.3	1657.6	1.000	5.7	1582.0	1567.0	5.7	1569.8	13.6	.0150	.423	.423	2	.00
33	.006	.206	4	847.2	944.6	1791.9	1.000	6.1	1582.0	1567.0	6.1	1570.0	13.5	.0150	.423	.406	0	.00
33	.006	.206	4	847.2	933.3	1780.6	1.000	6.1	1582.0	1567.0	6.1	1570.0	13.5	.0150	.406	.407	1	.00
33	.006	.206	4	847.2	934.2	1781.5	1.000	6.1	1582.0	1567.0	6.1	1570.0	13.5	.0150	.407	.407	2	.00
34	.006	.212	4	847.1	1072.0	1919.1	1.000	6.5	1582.0	1567.0	6.5	1570.2	13.4	.0150	.407	.390	0	.00
34	.006	.212	4	847.1	1060.3	1907.4	1.000	6.4	1582.0	1567.0	6.4	1570.2	13.4	.0150	.390	.392	1	.00
34	.006	.212	4	847.1	1061.2	1908.4	1.000	6.4	1582.0	1567.0	6.4	1570.2	13.4	.0150	.392	.392	2	.00
35	.006	.219	4	847.1	1201.4	2048.5	1.000	6.8	1582.0	1567.0	6.8	1570.4	13.3	.0150	.392	.376	0	.00
35	.006	.219	4	847.1	1189.6	2036.7	1.000	6.8	1582.0	1567.0	6.8	1570.4	13.3	.0150	.376	.377	1	.00
35	.006	.219	4	847.1	1190.5	2037.6	1.000	6.8	1582.0	1567.0	6.8	1570.4	13.3	.0150	.377	.377	2	.00
36	.006	.225	4	847.0	1332.5	2179.4	1.000	7.2	1582.0	1567.0	7.2	1570.6	13.2	.0150	.377	.362	0	.00
36	.006	.225	4	847.0	1320.6	2167.6	1.000	7.2	1582.0	1567.0	7.2	1570.6	13.2	.0150	.362	.363	1	.00
36	.006	.225	4	847.0	1321.6	2168.5	1.000	7.2	1582.0	1567.0	7.2	1570.6	13.2	.0150	.363	.363	2	.00
37	.006	.231	4	846.9	1464.6	2311.5	1.000	7.5	1582.0	1567.0	7.5	1570.8	13.1	.0150	.363	.348	0	.00
37	.006	.231	4	846.9	1453.0	2299.8	1.000	7.5	1582.0	1567.0	7.5	1570.7	13.1	.0150	.348	.350	1	.00
37	.006	.231	4	846.9	1453.9	2300.7	1.000	7.5	1582.0	1567.0	7.5	1570.7	13.1	.0150	.350	.349	2	.00
38	.006	.237	4	846.8	1597.5	2444.2	1.000	7.8	1582.0	1567.0	7.8	1570.9	13.0	.0150	.350	.336	0	.00
38	.006	.237	4	846.8	1586.1	2432.9	1.000	7.8	1582.0	1567.0	7.8	1570.9	13.0	.0150	.336	.337	1	.00
[illegible]	.006	.237	4	846.8	1586.9	2433.7	1.000	7.8	1582.0	1567.0	7.8	1570.9	13.0	.0150	.337	.337	2	.00
[illegible]	.006	.244	4	846.6	1730.8	2577.4	1.000	8.2	1582.0	1567.0	8.2	1571.1	12.9	.0150	.337	.324	0	.00
39	.006	.244	4	846.6	1719.7	2566.3	1.000	8.1	1582.0	1567.0	8.1	1571.1	12.9	.0150	.324	.325	1	.00
39	.006	.244	4	846.6	1720.5	2567.1	1.000	8.1	1582.0	1567.0	8.1	1571.1	12.9	.0150	.325	.325	2	.00
40	.006	.250	4	846.5	1864.2	2710.7	1.000	8.5	1582.0	1567.0	8.5	1571.2	12.9	.0150	.325	.313	0	.00

40	.006	.250	4	846.5	1853.5	2700.0	1.000	8.4	1582.0	1567.0	8.4	1571.2	12.9	.0150	.313	.314	1	.00
40	.006	.250	4	846.5	1854.2	2700.7	1.000	8.4	1582.0	1567.0	8.4	1571.2	12.9	.0150	.314	.314	2	.00
41	.006	.256	4	846.4	1997.6	2844.0	1.000	8.7	1582.0	1567.0	8.7	1571.4	12.8	.0150	.314	.303	0	.00
[illegible]	.006	.256	4	846.4	1987.2	2833.6	1.000	8.7	1582.0	1567.0	8.7	1571.4	12.8	.0150	.303	.304	1	.00
[illegible]	.006	.256	4	846.4	1987.9	2834.3	1.000	8.7	1582.0	1567.0	8.7	1571.4	12.8	.0150	.304	.304	2	.00
42	.006	.262	4	846.2	2130.7	2976.9	1.000	9.0	1582.0	1567.0	9.0	1571.5	12.7	.0150	.304	.293	0	.00
42	.006	.262	4	846.2	2120.7	2966.9	1.000	9.0	1582.0	1567.0	9.0	1571.5	12.7	.0150	.293	.294	1	.00
42	.006	.262	4	846.2	2121.3	2967.5	1.000	9.0	1582.0	1567.0	9.0	1571.5	12.7	.0150	.294	.294	2	.00
43	.006	.269	4	846.0	2263.4	3109.4	1.000	9.3	1582.0	1567.0	9.3	1571.7	12.6	.0150	.294	.284	0	.00
43	.006	.269	4	846.0	2253.6	3099.7	1.000	9.3	1582.0	1567.0	9.3	1571.6	12.6	.0150	.284	.285	1	.00
43	.006	.269	4	846.0	2254.3	3100.3	1.000	9.3	1582.0	1567.0	9.3	1571.6	12.6	.0150	.285	.285	2	.00
44	.006	.275	4	845.9	2395.4	3241.3	1.000	9.6	1582.0	1567.0	9.6	1571.8	12.6	.0150	.285	.275	0	.00
44	.006	.275	4	845.9	2386.1	3231.9	1.000	9.6	1582.0	1567.0	9.6	1571.8	12.6	.0150	.275	.276	1	.00
44	.006	.275	4	845.9	2386.6	3232.5	1.000	9.6	1582.0	1567.0	9.6	1571.8	12.6	.0150	.276	.276	2	.00
45	.006	.281	4	845.7	2526.8	3372.5	1.000	9.8	1581.9	1567.0	9.8	1571.9	12.5	.0150	.276	.267	0	.00
45	.006	.281	4	845.7	2517.8	3363.5	1.000	9.8	1581.9	1567.0	9.8	1571.9	12.5	.0150	.267	.268	1	.00
45	.006	.281	4	845.7	2518.3	3364.0	1.000	9.8	1581.9	1567.0	9.8	1571.9	12.5	.0150	.268	.268	2	.00
46	.006	.287	4	845.5	2657.4	3502.8	1.000	10.1	1581.9	1567.0	10.1	1572.0	12.4	.0150	.268	.260	0	.00
46	.006	.287	4	845.5	2648.7	3494.1	1.000	10.1	1581.9	1567.0	10.1	1572.0	12.4	.0150	.260	.260	1	.00
46	.006	.287	4	845.5	2649.2	3494.6	1.000	10.1	1581.9	1567.0	10.1	1572.0	12.4	.0150	.260	.260	2	.00
47	.006	.294	4	845.3	2787.0	3632.3	1.000	10.3	1581.9	1567.0	10.3	1572.2	12.4	.0150	.260	.252	0	.00
47	.006	.294	4	845.3	2778.7	3623.9	1.000	10.3	1581.9	1567.0	10.3	1572.2	12.4	.0150	.252	.253	1	.00
47	.006	.294	4	845.3	2779.1	3624.4	1.000	10.3	1581.9	1567.0	10.3	1572.2	12.4	.0150	.253	.253	2	.00
48	.006	.300	4	845.0	2915.8	3760.8	1.000	10.6	1581.9	1567.0	10.6	1572.3	12.3	.0150	.253	.245	0	.00
48	.006	.300	4	845.0	2907.7	3752.7	1.000	10.5	1581.9	1567.0	10.5	1572.3	12.3	.0150	.245	.246	1	.00
48	.006	.300	4	845.0	2908.1	3753.2	1.000	10.5	1581.9	1567.0	10.5	1572.3	12.3	.0150	.246	.246	2	.00
49	.006	.306	4	844.8	3043.5	3888.3	1.000	10.8	1581.9	1567.0	10.8	1572.4	12.2	.0150	.246	.239	0	.00
49	.006	.306	4	844.8	3035.7	3880.5	1.000	10.8	1581.9	1567.0	10.8	1572.4	12.2	.0150	.239	.239	1	.00
49	.006	.306	4	844.8	3036.1	3880.9	1.000	10.8	1581.9	1567.0	10.8	1572.4	12.2	.0150	.239	.239	2	.00
[illegible]	.006	.312	4	844.6	3170.1	4014.7	1.000	11.0	1581.9	1567.0	11.0	1572.5	12.2	.0150	.239	.233	0	.00

PROJECT TITLE : PIPING BREACH ANALYSIS

PROJECT NUMBER : S-22 SPOOK HILL FRS 6/27/1990

Step I	Time Step (hr) DTH	Elpse Time (hr) T	Fail Code KG	Spillway Outflow (cfs) QTS	Breach Outflow (cfs) QB	Total Outflow (cfs) QTOT	Sbmrg Crctn Factr SUB	Brech Top Width (ft) BT	Rsrvor W. S. Elev. (ft - MSL) HY	Breach Bottom Elev. (ft - MSL) HC	Brech Bottm Width (ft) BO	Top of Pipe Breach (ft) PPP	Piping Head (ft) HP	Brech Manig (n) CNN	Estmte Erosin Depth Incrse (ft) DH	Comput Erosin Depth Incrse (ft) DHH	Itrtn Count KIT	Brech Vrtcl Side Angle (deg) ALG
50	.006	.312	4	844.6	3162.6	4007.2	1.000	11.0	1581.9	1567.0	11.0	1572.5	12.2	.0150	.233	.233	1	.00
50	.006	.312	4	844.6	3163.0	4007.5	1.000	11.0	1581.9	1567.0	11.0	1572.5	12.2	.0150	.233	.233	2	.00
51	.006	.319	4	844.3	3295.6	4140.0	1.000	11.2	1581.9	1567.0	11.2	1572.6	12.1	.0150	.233	.227	0	.00
51	.006	.319	4	844.3	3288.4	4132.7	1.000	11.2	1581.9	1567.0	11.2	1572.6	12.1	.0150	.227	.227	1	.00
51	.006	.319	4	844.3	3288.7	4133.1	1.000	11.2	1581.9	1567.0	11.2	1572.6	12.1	.0150	.227	.227	2	.00
52	.006	.325	4	844.1	3420.0	4264.1	1.000	11.5	1581.9	1567.0	11.5	1572.7	12.0	.0150	.227	.221	0	.00
52	.006	.325	4	844.1	3413.0	4257.1	1.000	11.4	1581.9	1567.0	11.4	1572.7	12.0	.0150	.221	.221	1	.00
52	.006	.325	4	844.1	3413.3	4257.4	1.000	11.4	1581.9	1567.0	11.4	1572.7	12.0	.0150	.221	.221	2	.00
53	.006	.331	4	843.8	3543.2	4387.0	1.000	11.7	1581.9	1567.0	11.7	1572.8	12.0	.0150	.221	.216	0	.00
53	.006	.331	4	843.8	3536.4	4380.2	1.000	11.7	1581.9	1567.0	11.7	1572.8	12.0	.0150	.216	.216	1	.00
53	.006	.331	4	843.8	3536.7	4380.5	1.000	11.7	1581.9	1567.0	11.7	1572.8	12.0	.0150	.216	.216	2	.00
54	.006	.337	4	843.5	3665.2	4508.7	1.000	11.9	1581.9	1567.0	11.9	1572.9	11.9	.0150	.216	.210	0	.00
54	.006	.337	4	843.5	3658.6	4502.2	1.000	11.9	1581.9	1567.0	11.9	1572.9	11.9	.0150	.210	.211	1	.00
54	.006	.337	4	843.5	3658.9	4502.5	1.000	11.9	1581.9	1567.0	11.9	1572.9	11.9	.0150	.211	.211	2	.00
55	.006	.344	4	843.2	3786.0	4629.2	1.000	12.1	1581.9	1567.0	12.1	1573.0	11.9	.0150	.211	.206	0	.00
[illegible]	.006	.344	4	843.2	3779.6	4622.9	1.000	12.1	1581.9	1567.0	12.1	1573.0	11.9	.0150	.206	.206	1	.00
[illegible]	.006	.344	4	843.2	3779.9	4623.1	1.000	12.1	1581.9	1567.0	12.1	1573.0	11.9	.0150	.206	.206	2	.00
56	.006	.350	4	842.9	3905.5	4748.4	1.000	12.3	1581.9	1567.0	12.3	1573.1	11.8	.0150	.206	.201	0	.00
56	.006	.350	4	842.9	3899.3	4742.3	1.000	12.3	1581.9	1567.0	12.3	1573.1	11.8	.0150	.201	.201	1	.00
56	.006	.350	4	842.9	3899.6	4742.5	1.000	12.3	1581.9	1567.0	12.3	1573.1	11.8	.0150	.201	.201	2	.00
57	.006	.356	4	842.6	4023.7	4866.3	1.000	12.5	1581.9	1567.0	12.5	1573.2	11.7	.0150	.201	.196	0	.00
57	.006	.356	4	842.6	4017.8	4860.4	1.000	12.4	1581.9	1567.0	12.4	1573.2	11.7	.0150	.196	.197	1	.00
57	.006	.356	4	842.6	4018.0	4860.7	1.000	12.4	1581.9	1567.0	12.4	1573.2	11.7	.0150	.197	.197	2	.00
58	.006	.362	4	842.3	4140.7	4983.0	1.000	12.6	1581.9	1567.0	12.6	1573.3	11.7	.0150	.197	.192	0	.00
58	.006	.362	4	842.3	4134.9	4977.3	1.000	12.6	1581.9	1567.0	12.6	1573.3	11.7	.0150	.192	.192	1	.00
59	.006	.369	4	842.0	4256.1	5098.0	1.000	12.8	1581.8	1567.0	12.8	1573.4	11.6	.0150	.192	.188	0	.00
59	.006	.369	4	842.0	4250.7	5092.7	1.000	12.8	1581.8	1567.0	12.8	1573.4	11.6	.0150	.188	.188	1	.00
60	.006	.375	4	841.6	4370.4	5212.1	1.000	13.0	1581.8	1567.0	13.0	1573.5	11.6	.0150	.188	.184	0	.00
60	.006	.375	4	841.7	4365.2	5206.9	1.000	13.0	1581.8	1567.0	13.0	1573.5	11.6	.0150	.184	.184	1	.00
61	.006	.381	4	841.3	4483.5	5324.8	1.000	13.2	1581.8	1567.0	13.2	1573.6	11.5	.0150	.184	.180	0	.00
61	.006	.381	4	841.3	4478.4	5319.7	1.000	13.2	1581.8	1567.0	13.2	1573.6	11.5	.0150	.180	.180	1	.00
62	.006	.387	4	840.9	4595.2	5436.2	1.000	13.4	1581.8	1567.0	13.4	1573.7	11.5	.0150	.180	.176	0	.00
62	.006	.387	4	840.9	4590.3	5431.3	1.000	13.3	1581.8	1567.0	13.3	1573.7	11.5	.0150	.176	.177	1	.00
63	.006	.394	4	840.6	4705.7	5546.3	1.000	13.5	1581.8	1567.0	13.5	1573.8	11.4	.0150	.176	.173	0	.00
63	.006	.394	4	840.6	4701.0	5541.5	1.000	13.5	1581.8	1567.0	13.5	1573.8	11.4	.0150	.173	.173	1	.00
64	.006	.400	4	840.2	4814.9	5655.1	1.000	13.7	1581.8	1567.0	13.7	1573.8	11.4	.0150	.173	.169	0	.00
64	.006	.400	4	840.2	4810.3	5650.5	1.000	13.7	1581.8	1567.0	13.7	1573.8	11.4	.0150	.169	.170	1	.00
65	.006	.406	4	839.8	4922.8	5762.6	1.000	13.9	1581.8	1567.0	13.9	1573.9	11.3	.0150	.169	.166	0	.00
65	.006	.406	4	839.8	4918.3	5758.1	1.000	13.8	1581.8	1567.0	13.8	1573.9	11.3	.0150	.166	.166	1	.00
66	.006	.412	4	839.4	5029.4	5868.8	1.000	14.0	1581.8	1567.0	14.0	1574.0	11.3	.0150	.166	.163	0	.00
66	.006	.412	4	839.4	5025.0	5864.5	1.000	14.0	1581.8	1567.0	14.0	1574.0	11.3	.0150	.163	.163	1	.00
[illegible]	.006	.419	4	839.0	5134.7	5973.8	1.000	14.2	1581.8	1567.0	14.2	1574.1	11.2	.0150	.163	.160	0	.00
[illegible]	.006	.419	4	839.0	5130.5	5969.5	1.000	14.2	1581.8	1567.0	14.2	1574.1	11.2	.0150	.160	.160	1	.00
68	.006	.425	4	838.6	5238.8	6077.4	1.000	14.3	1581.7	1567.0	14.3	1574.2	11.2	.0150	.160	.157	0	.00
68	.006	.425	4	838.6	5234.6	6073.2	1.000	14.3	1581.7	1567.0	14.3	1574.2	11.2	.0150	.157	.157	1	.00
69	.006	.431	4	838.2	5341.6	6179.7	1.000	14.5	1581.7	1567.0	14.5	1574.2	11.1	.0150	.157	.154	0	.00

69	.006	.431	4	838.2	5337.5	6175.7	1.000	14.5	1581.7	1567.0	14.5	1574.2	11.1	.0150	.154	.154	1	.00
70	.006	.437	4	837.8	5443.1	6280.8	1.000	14.6	1581.7	1567.0	14.6	1574.3	11.1	.0150	.154	.151	0	.00
70	.006	.437	4	837.8	5439.1	6276.9	1.000	14.6	1581.7	1567.0	14.6	1574.3	11.1	.0150	.151	.151	1	.00
[illegible]	.006	.444	4	837.3	5543.3	6380.6	1.000	14.8	1581.7	1567.0	14.8	1574.4	11.0	.0150	.151	.149	0	.00
[illegible]	.006	.444	4	837.3	5539.4	6376.8	1.000	14.8	1581.7	1567.0	14.8	1574.4	11.0	.0150	.149	.149	1	.00
72	.006	.450	4	836.9	5642.3	6479.1	1.000	14.9	1581.7	1567.0	14.9	1574.5	11.0	.0150	.149	.146	0	.00
72	.006	.450	4	836.9	5638.5	6475.3	1.000	14.9	1581.7	1567.0	14.9	1574.5	11.0	.0150	.146	.146	1	.00
73	.006	.456	4	836.4	5740.0	6576.4	1.000	15.1	1581.7	1567.0	15.1	1574.5	10.9	.0150	.146	.143	0	.00
73	.006	.456	4	836.4	5736.3	6572.7	1.000	15.0	1581.7	1567.0	15.0	1574.5	10.9	.0150	.143	.143	1	.00
74	.006	.462	4	836.0	5836.4	6672.4	1.000	15.2	1581.7	1567.0	15.2	1574.6	10.9	.0150	.143	.141	0	.00
74	.006	.462	4	836.0	5832.8	6668.8	1.000	15.2	1581.7	1567.0	15.2	1574.6	10.9	.0150	.141	.141	1	.00
75	.006	.469	4	835.5	5931.6	6767.1	1.000	15.3	1581.7	1567.0	15.3	1574.7	10.8	.0150	.141	.139	0	.00
75	.006	.469	4	835.5	5928.1	6763.6	1.000	15.3	1581.7	1567.0	15.3	1574.7	10.8	.0150	.139	.139	1	.00
76	.006	.475	4	835.0	6025.6	6860.6	1.000	15.5	1581.6	1567.0	15.5	1574.7	10.8	.0150	.139	.136	0	.00
76	.006	.475	4	835.0	6022.2	6857.2	1.000	15.5	1581.6	1567.0	15.5	1574.7	10.8	.0150	.136	.136	1	.00
77	.006	.481	4	834.5	6118.3	6952.8	1.000	15.6	1581.6	1567.0	15.6	1574.8	10.7	.0150	.136	.134	0	.00
77	.006	.481	4	834.5	6115.0	6949.5	1.000	15.6	1581.6	1567.0	15.6	1574.8	10.7	.0150	.134	.134	1	.00
78	.006	.487	4	834.0	6209.8	7043.8	1.000	15.7	1581.6	1567.0	15.7	1574.9	10.7	.0150	.134	.132	0	.00
78	.006	.487	4	834.0	6206.5	7040.5	1.000	15.7	1581.6	1567.0	15.7	1574.9	10.7	.0150	.132	.132	1	.00
79	.006	.494	4	833.5	6300.0	7133.6	1.000	15.8	1581.6	1567.0	15.8	1574.9	10.6	.0150	.132	.130	0	.00
79	.006	.494	4	833.5	6296.9	7130.4	1.000	15.8	1581.6	1567.0	15.8	1574.9	10.6	.0150	.130	.130	1	.00
80	.006	.500	4	833.0	6389.1	7222.1	1.000	16.0	1581.6	1567.0	16.0	1575.0	10.6	.0150	.130	.128	0	.00
80	.006	.500	4	833.0	6386.0	7219.0	1.000	16.0	1581.6	1567.0	16.0	1575.0	10.6	.0150	.128	.128	1	.00
81	.006	.506	4	832.5	6477.0	7309.5	1.000	16.1	1581.6	1567.0	16.1	1575.0	10.5	.0150	.128	.125	0	.00
81	.006	.506	4	832.5	6473.9	7306.4	1.000	16.1	1581.6	1567.0	16.1	1575.0	10.5	.0150	.125	.126	1	.00
82	.006	.512	4	831.9	6563.6	7395.6	1.000	16.2	1581.6	1567.0	16.2	1575.1	10.5	.0150	.125	.123	0	.00
82	.006	.512	4	831.9	6560.6	7392.6	1.000	16.2	1581.6	1567.0	16.2	1575.1	10.5	.0150	.123	.124	1	.00
83	.006	.519	4	831.4	6649.1	7480.5	1.000	16.3	1581.5	1567.0	16.3	1575.2	10.5	.0150	.123	.122	0	.00
83	.006	.519	4	831.4	6646.1	7477.5	1.000	16.3	1581.5	1567.0	16.3	1575.2	10.5	.0150	.122	.122	1	.00
[illegible]	.006	.525	4	830.9	6733.3	7564.2	1.000	16.5	1581.5	1567.0	16.5	1575.2	10.4	.0150	.122	.120	0	.00
[illegible]	.006	.525	4	830.9	6730.4	7561.3	1.000	16.5	1581.5	1567.0	16.5	1575.2	10.4	.0150	.120	.120	1	.00
85	.006	.531	4	830.3	6816.4	7646.7	1.000	16.6	1581.5	1567.0	16.6	1575.3	10.4	.0150	.120	.118	0	.00
85	.006	.531	4	830.3	6813.6	7643.9	1.000	16.6	1581.5	1567.0	16.6	1575.3	10.4	.0150	.118	.118	1	.00
86	.006	.537	4	829.4	6898.3	7727.7	1.000	16.7	1581.5	1567.0	16.7	1575.3	10.3	.0150	.118	.116	0	.00
86	.006	.537	4	829.4	6895.5	7724.9	1.000	16.7	1581.5	1567.0	16.7	1575.3	10.3	.0150	.116	.116	1	.00
87	.006	.544	4	828.1	6979.0	7807.1	1.000	16.8	1581.5	1567.0	16.8	1575.4	10.3	.0150	.116	.114	0	.00
87	.006	.544	4	828.1	6976.3	7804.4	1.000	16.8	1581.5	1567.0	16.8	1575.4	10.3	.0150	.114	.114	1	.00
88	.006	.550	4	826.8	7058.6	7885.3	1.000	16.9	1581.5	1567.0	16.9	1575.5	10.2	.0150	.114	.113	0	.00
88	.006	.550	4	826.8	7055.9	7882.7	1.000	16.9	1581.5	1567.0	16.9	1575.5	10.2	.0150	.113	.113	1	.00
89	.006	.556	4	825.4	7137.0	7962.4	1.000	17.0	1581.4	1567.0	17.0	1575.5	10.2	.0150	.113	.111	0	.00
89	.006	.556	4	825.4	7134.4	7959.8	1.000	17.0	1581.4	1567.0	17.0	1575.5	10.2	.0150	.111	.111	1	.00
90	.006	.562	4	824.1	7214.3	8038.4	1.000	17.1	1581.4	1567.0	17.1	1575.6	10.1	.0150	.111	.109	0	.00
90	.006	.562	4	824.1	7211.7	8035.8	1.000	17.1	1581.4	1567.0	17.1	1575.6	10.1	.0150	.109	.109	1	.00
91	.006	.569	4	822.7	7290.3	8113.1	1.000	17.2	1581.4	1567.0	17.2	1575.6	10.1	.0150	.109	.108	0	.00
91	.006	.569	4	822.7	7287.8	8110.6	1.000	17.2	1581.4	1567.0	17.2	1575.6	10.1	.0150	.108	.108	1	.00
92	.006	.575	4	821.3	7365.4	8186.7	1.000	17.3	1581.4	1567.0	17.3	1575.7	10.1	.0150	.108	.106	0	.00
92	.006	.575	4	821.3	7362.9	8184.2	1.000	17.3	1581.4	1567.0	17.3	1575.7	10.1	.0150	.106	.106	1	.00
93	.006	.581	4	819.9	7439.2	8259.1	1.000	17.4	1581.4	1567.0	17.4	1575.7	10.0	.0150	.106	.104	0	.00
93	.006	.581	4	819.9	7436.8	8256.7	1.000	17.4	1581.4	1567.0	17.4	1575.7	10.0	.0150	.104	.105	1	.00
94	.006	.587	4	818.5	7511.9	8330.4	1.000	17.5	1581.4	1567.0	17.5	1575.8	10.0	.0150	.104	.103	0	.00
94	.006	.587	4	818.5	7509.6	8328.0	1.000	17.5	1581.4	1567.0	17.5	1575.8	10.0	.0150	.103	.103	1	.00
95	.006	.594	4	817.0	7583.6	8400.7	1.000	17.6	1581.3	1567.0	17.6	1575.8	9.9	.0150	.103	.102	0	.00
95	.006	.594	4	817.1	7581.3	8398.3	1.000	17.6	1581.3	1567.0	17.6	1575.8	9.9	.0150	.102	.102	1	.00
96	.006	.600	4	815.6	7654.1	8469.7	1.000	17.7	1581.3	1567.0	17.7	1575.9	9.9	.0150	.102	.100	0	.00
96	.006	.600	4	815.6	7651.8	8467.4	1.000	17.7	1581.3	1567.0	17.7	1575.9	9.9	.0150	.100	.100	1	.00
[illegible]	.006	.606	4	814.1	7723.6	8537.7	1.000	17.8	1581.3	1567.0	17.8	1575.9	9.8	.0150	.100	.099	0	.00
[illegible]	.006	.606	4	814.1	7721.2	8535.3	1.000	17.8	1581.3	1567.0	17.8	1575.9	9.8	.0150	.099	.099	1	.00
98	.006	.613	4	812.6	7791.8	8604.5	1.000	17.9	1581.3	1567.0	17.9	1576.0	9.8	.0150	.099	.097	0	.00
98	.006	.613	4	812.6	7789.6	8602.2	1.000	17.9	1581.3	1567.0	17.9	1576.0	9.8	.0150	.097	.097	1	.00
99	.006	.619	4	811.1	7859.1	8670.2	1.000	18.0	1581.3	1567.0	18.0	1576.0	9.8	.0150	.097	.096	0	.00

99	.006	.619	4	811.1	7856.9	8668.0	1.000	18.0	1581.3	1567.0	18.0	1576.0	9.8	.0150	.096	.096	1	.00
100	.006	.625	4	809.6	7925.2	8734.8	1.000	18.1	1581.2	1567.0	18.1	1576.1	9.7	.0150	.096	.095	0	.00

PROJECT TITLE : PIPING BREACH ANALYSIS

PROJECT NUMBER : S-22 SPOOK HILL FRS 6/27/1990

Step I	Time Step (hr) DTH	Elpse Time (hr) T	Fail Code KG	Spillway Outflow (cfs) QTS	Breach Outflow (cfs) QB	Total Outflow (cfs) QTOT	Sbmrg Crctn Factr SUB	Brech Top Width (ft) BT	Rsrvor W. S. Elev. (ft - MSL) HY	Breach Bottom Elev. (ft - MSL) HC	Brech Bottm Width (ft) BO	Top of Pipe Breach (ft) PPP	Piping Head (ft) HP	Brech Manig (n) CNN	Estmte Erosin Depth Incrse (ft) DH	Comput Erosin Depth Incrse (ft) DHH	Itrtn Count KIT	Brech Vrtcl Side Angle (deg) ALG
100	.006	.625	4	809.6	7923.1	8732.7	1.000	18.1	1581.2	1567.0	18.1	1576.1	9.7	.0150	.095	.095	1	.00
101	.006	.631	4	808.0	7990.3	8798.3	1.000	18.2	1581.2	1567.0	18.2	1576.1	9.7	.0150	.095	.093	0	.00
101	.006	.631	4	808.0	7988.2	8796.3	1.000	18.2	1581.2	1567.0	18.2	1576.1	9.7	.0150	.093	.093	1	.00
102	.006	.638	4	806.5	8054.3	8860.8	1.000	18.3	1581.2	1567.0	18.3	1576.2	9.6	.0150	.093	.092	0	.00
102	.006	.638	4	806.5	8052.3	8858.7	1.000	18.3	1581.2	1567.0	18.3	1576.1	9.6	.0150	.092	.092	1	.00
103	.006	.644	4	804.9	8117.3	8922.2	1.000	18.4	1581.2	1567.0	18.4	1576.2	9.6	.0150	.092	.091	0	.00
103	.006	.644	4	804.9	8115.3	8920.2	1.000	18.4	1581.2	1567.0	18.4	1576.2	9.6	.0150	.091	.091	1	.00
104	.006	.650	4	803.3	8179.2	8982.5	1.000	18.5	1581.2	1567.0	18.5	1576.2	9.5	.0150	.091	.089	0	.00
104	.006	.650	4	803.3	8177.2	8980.5	1.000	18.5	1581.2	1567.0	18.5	1576.2	9.5	.0150	.089	.089	1	.00
105	.006	.656	4	801.7	8240.1	9041.8	1.000	18.6	1581.1	1567.0	18.6	1576.3	9.5	.0150	.089	.088	0	.00
105	.006	.656	4	801.7	8238.1	9039.7	1.000	18.6	1581.1	1567.0	18.6	1576.3	9.5	.0150	.088	.088	1	.00
106	.006	.663	4	800.1	8299.9	9099.9	1.000	18.7	1581.1	1567.0	18.7	1576.3	9.5	.0150	.088	.087	0	.00
106	.006	.663	4	800.1	8297.8	9097.9	1.000	18.6	1581.1	1567.0	18.6	1576.3	9.5	.0150	.087	.087	1	.00
107	.006	.669	4	798.4	8358.6	9157.0	1.000	18.7	1581.1	1567.0	18.7	1576.4	9.4	.0150	.087	.086	0	.00
107	.006	.669	4	798.4	8356.7	9155.1	1.000	18.7	1581.1	1567.0	18.7	1576.4	9.4	.0150	.086	.086	1	.00

Pipe Flow to Weir Flow Transition

Slump Counter (KSLUMP)	3
Depth of Vertical Cut when Slump Occurs (ft, HCK)	20.86
Delay in Erosion as Slump Material is Transported (hr, DELT)	.07
Total Change in Side Angle due to Slump Failure (degree, DEL)	49.88

Step I	Time Step (hr) DTH	Elpse Time (hr) T	Fail Code KG	Spillway Outflow (cfs) QTS	Breach Outflow (cfs) QB	Total Outflow (cfs) QTOT	Sbmrg Crctn Factr SUB	Brech Top Width (ft) BT	Rsrvor W. S. Elev. (ft - MSL) HY	Breach Bottom Elev. (ft - MSL) HC	Brech Bottm Width (ft) BO	Breach Width Incres (ft) PPP	Breach Flow Depth (ft) HP	Brech Manig (n) CNN	Estmte Erosin Depth Incrse (ft) DH	Comput Erosin Depth Incrse (ft) DHH	Itrtn Count KIT	Brech Vrtcl Side Angle (deg) ALG
109	.006	.681	3	796.8	8168.2	8965.0	1.000	29.3	1581.1	1567.0	18.7	.0	9.4	.0150	.000	.000	0	12.47
110	.006	.688	3	795.2	8268.0	9063.2	1.000	33.1	1581.1	1567.0	18.7	.0	9.4	.0150	.000	.000	0	16.63
111	.006	.694	3	793.5	8372.1	9165.7	1.000	36.9	1581.0	1567.0	18.7	.0	9.4	.0150	.000	.000	0	20.78
112	.006	.700	3	791.9	8482.4	9274.3	1.000	41.1	1581.0	1567.0	18.7	.0	9.4	.0150	.000	.000	0	24.94
113	.006	.706	3	790.2	8600.8	9391.0	1.000	45.4	1581.0	1567.0	18.7	.0	9.3	.0150	.000	.000	0	29.09
114	.006	.713	3	788.4	8730.0	9518.4	1.000	50.2	1581.0	1567.0	18.7	.0	9.3	.0150	.000	.000	0	33.25
115	.006	.719	3	786.7	8873.5	9660.2	1.000	55.4	1581.0	1567.0	18.7	.0	9.3	.0150	.000	.000	0	37.41
116	.006	.725	3	784.9	9035.4	9820.3	1.000	61.3	1580.9	1567.0	18.7	.0	9.3	.0150	.000	.000	0	41.56
117	.006	.731	3	783.1	9221.7	10004.8	1.000	68.0	1580.9	1567.0	18.7	.0	9.3	.0150	.000	.000	0	45.72
118	.006	.738	3	781.3	9440.8	10222.0	1.000	75.7	1580.9	1567.0	18.7	.0	9.3	.0150	.000	.000	0	49.88
119	.006	.744	3	779.4	9403.0	10182.4	1.000	75.7	1580.9	1567.0	18.7	.0	9.3	.0150	.000	.000	0	49.88
120	.006	.750	3	777.4	9364.9	10142.3	1.000	75.7	1580.8	1567.0	18.7	.0	9.2	.0150	.000	.000	0	49.88
121	.006	.756	3	775.5	9326.6	10102.1	1.000	75.7	1580.8	1567.0	18.7	.0	9.2	.0150	.000	.180	0	49.88
121	.006	.756	3	775.5	9382.4	10157.9	1.000	76.0	1580.8	1567.0	19.1	.4	9.2	.0150	.180	.183	1	49.88
121	.006	.756	3	775.5	9383.1	10158.6	1.000	76.1	1580.8	1567.0	19.1	.4	9.2	.0150	.183	.183	2	49.88
[illegible]	.006	.763	3	773.6	9401.2	10174.8	1.000	76.4	1580.8	1567.0	19.5	.4	9.2	.0150	.183	.185	0	49.88
[illegible]	.006	.763	3	773.6	9401.9	10175.5	1.000	76.4	1580.8	1567.0	19.5	.4	9.2	.0150	.185	.185	1	49.88
123	.006	.769	3	771.6	9420.0	10191.6	1.000	76.8	1580.8	1567.0	19.8	.4	9.2	.0150	.185	.188	0	49.88
123	.006	.769	3	771.6	9420.7	10192.3	1.000	76.8	1580.8	1567.0	19.8	.4	9.2	.0150	.188	.188	1	49.88
124	.006	.775	3	769.7	9439.0	10208.7	1.000	77.2	1580.7	1567.0	20.2	.4	9.2	.0150	.188	.190	0	49.88
124	.006	.775	3	769.7	9439.7	10209.4	1.000	77.2	1580.7	1567.0	20.2	.4	9.2	.0150	.190	.190	1	49.88
125	.006	.781	3	767.7	9458.3	10226.0	1.000	77.6	1580.7	1567.0	20.6	.4	9.2	.0150	.190	.192	0	49.88
125	.006	.781	3	767.7	9459.0	10226.7	1.000	77.6	1580.7	1567.0	20.6	.4	9.1	.0150	.192	.192	1	49.88
126	.006	.788	3	765.7	9477.8	10243.5	1.000	77.9	1580.7	1567.0	21.0	.4	9.1	.0150	.192	.194	0	49.88
126	.006	.788	3	765.7	9478.5	10244.2	1.000	78.0	1580.7	1567.0	21.0	.4	9.1	.0150	.194	.195	1	49.88
127	.006	.794	3	763.8	9497.4	10261.2	1.000	78.3	1580.7	1567.0	21.4	.4	9.1	.0150	.194	.197	0	49.88
127	.006	.794	3	763.8	9498.1	10261.9	1.000	78.3	1580.7	1567.0	21.4	.4	9.1	.0150	.197	.197	1	49.88
128	.006	.800	3	761.8	9517.3	10279.1	1.000	78.7	1580.6	1567.0	21.8	.4	9.1	.0150	.197	.199	0	49.88
128	.006	.800	3	761.8	9518.1	10279.8	1.000	78.7	1580.6	1567.0	21.8	.4	9.1	.0150	.199	.199	1	49.88
129	.006	.806	3	759.8	9537.5	10297.2	1.000	79.1	1580.6	1567.0	22.2	.4	9.1	.0150	.199	.202	0	49.88
129	.006	.806	3	759.8	9538.2	10297.9	1.000	79.1	1580.6	1567.0	22.2	.4	9.1	.0150	.202	.202	1	49.88
130	.006	.813	3	757.8	9557.8	10315.5	1.000	79.5	1580.6	1567.0	22.6	.4	9.1	.0150	.202	.203	0	49.88
130	.006	.813	3	757.8	9558.2	10316.0	1.000	79.6	1580.6	1567.0	22.6	.4	9.0	.0150	.203	.203	1	49.88
131	.006	.819	3	755.7	9577.6	10333.3	1.000	80.0	1580.6	1567.0	23.0	.4	9.0	.0150	.203	.204	0	49.88
131	.006	.819	3	755.7	9577.8	10333.5	1.000	80.0	1580.6	1567.0	23.0	.4	9.0	.0150	.204	.203	1	49.88
131	.006	.819	3	755.7	9577.6	10333.3	1.000	80.0	1580.6	1567.0	23.0	.4	9.0	.0150	.203	.203	2	49.88
132	.006	.825	3	753.7	9596.7	10350.4	1.000	80.4	1580.5	1567.0	23.4	.4	9.0	.0150	.203	.203	0	49.88
132	.006	.825	3	753.7	9596.8	10350.5	1.000	80.4	1580.5	1567.0	23.4	.4	8.9	.0150	.203	.204	1	49.88
133	.006	.831	3	751.6	9615.3	10366.9	1.000	80.8	1580.5	1567.0	23.8	.4	8.9	.0150	.203	.204	0	49.88
133	.006	.831	3	751.6	9615.4	10367.1	1.000	80.8	1580.5	1567.0	23.8	.4	8.8	.0150	.204	.204	1	49.88
134	.006	.838	3	749.2	9633.5	10382.7	1.000	81.2	1580.5	1567.0	24.2	.4	8.9	.0150	.204	.204	0	49.88
[illegible]	.006	.838	3	749.2	9633.6	10382.9	1.000	81.2	1580.5	1567.0	24.2	.4	8.8	.0150	.204	.204	1	49.88
[illegible]	.006	.844	3	745.3	9651.3	10396.7	1.000	81.6	1580.5	1567.0	24.6	.4	8.8	.0150	.204	.205	0	49.88
135	.006	.844	3	745.3	9651.4	10396.8	1.000	81.6	1580.5	1567.0	24.6	.4	8.7	.0150	.205	.205	1	49.88
136	.006	.850	3	741.4	9668.7	10410.2	1.000	82.0	1580.4	1567.0	25.0	.4	8.7	.0150	.205	.205	0	49.88
136	.006	.850	3	741.4	9668.8	10410.3	1.000	82.0	1580.4	1567.0	25.0	.4	8.7	.0150	.205	.205	1	49.88

137	.006	.856	3	737.5	9685.7	10423.2	1.000	82.4	1580.4	1567.0	25.5	.4	8.7	.0150	.205	.205	0	49.88
137	.006	.856	3	737.5	9685.8	10423.3	1.000	82.4	1580.4	1567.0	25.5	.4	8.6	.0150	.205	.205	1	49.88
138	.006	.863	3	733.6	9702.1	10435.6	1.000	82.8	1580.4	1567.0	25.9	.4	8.6	.0150	.205	.206	0	49.88
[illegible]	.006	.863	3	733.6	9702.1	10435.7	1.000	82.8	1580.4	1567.0	25.9	.4	8.6	.0150	.206	.206	1	49.88
[illegible]	.006	.869	3	729.6	9718.2	10447.8	1.000	83.2	1580.4	1567.0	26.3	.4	8.6	.0150	.206	.206	0	49.88
139	.006	.869	3	729.6	9718.2	10447.8	1.000	83.2	1580.4	1567.0	26.3	.4	8.5	.0150	.206	.206	1	49.88
140	.006	.875	3	725.6	9733.6	10459.2	1.000	83.6	1580.3	1567.0	26.7	.4	8.5	.0150	.206	.207	0	49.88
140	.006	.875	3	725.6	9733.8	10459.5	1.000	83.6	1580.3	1567.0	26.7	.4	8.4	.0150	.207	.206	1	49.88
140	.006	.875	3	725.6	9733.7	10459.3	1.000	83.6	1580.3	1567.0	26.7	.4	8.4	.0150	.206	.206	2	49.88
141	.006	.881	3	721.6	9748.9	10470.5	1.000	84.1	1580.3	1567.0	27.1	.4	8.4	.0150	.206	.207	0	49.88
141	.006	.881	3	721.6	9748.9	10470.5	1.000	84.1	1580.3	1567.0	27.1	.4	8.4	.0150	.207	.207	1	49.88
141	.006	.881	3	721.6	9748.7	10470.3	1.000	84.1	1580.3	1567.0	27.1	.4	8.4	.0150	.207	.207	2	49.88
142	.006	.888	3	717.6	9763.5	10481.1	1.000	84.5	1580.3	1567.0	27.5	.4	8.4	.0150	.207	.207	0	49.88
142	.006	.888	3	717.6	9763.7	10481.3	1.000	84.5	1580.3	1567.0	27.5	.4	8.3	.0150	.207	.207	1	49.88
142	.006	.888	3	717.6	9763.6	10481.1	1.000	84.5	1580.3	1567.0	27.5	.4	8.3	.0150	.207	.207	2	49.88
143	.006	.894	3	713.5	9777.6	10491.2	1.000	84.9	1580.3	1567.0	27.9	.4	8.3	.0150	.207	.208	0	49.88
143	.006	.894	3	713.5	9777.8	10491.4	1.000	84.9	1580.3	1567.0	27.9	.4	8.3	.0150	.208	.207	1	49.88
143	.006	.894	3	713.5	9777.7	10491.2	1.000	84.9	1580.3	1567.0	27.9	.4	8.3	.0150	.207	.207	2	49.88
144	.006	.900	3	709.5	9791.3	10500.8	1.000	85.3	1580.2	1567.0	28.4	.4	8.3	.0150	.207	.208	0	49.88
144	.006	.900	3	709.5	9791.5	10501.0	1.000	85.3	1580.2	1567.0	28.4	.4	8.2	.0150	.208	.208	1	49.88
144	.006	.900	3	709.5	9791.4	10500.9	1.000	85.3	1580.2	1567.0	28.4	.4	8.2	.0150	.208	.208	2	49.88
145	.006	.906	3	705.4	9804.3	10509.7	1.000	85.7	1580.2	1567.0	28.8	.4	8.2	.0150	.208	.208	0	49.88
145	.006	.906	3	705.4	9804.5	10509.9	1.000	85.7	1580.2	1567.0	28.8	.4	8.2	.0150	.208	.208	1	49.88
145	.006	.906	3	705.4	9804.4	10509.8	1.000	85.7	1580.2	1567.0	28.8	.4	8.2	.0150	.208	.208	2	49.88
146	.006	.913	3	701.3	9817.1	10518.4	1.000	86.1	1580.2	1567.0	29.2	.4	8.2	.0150	.208	.208	0	49.88
146	.006	.913	3	701.3	9817.3	10518.5	1.000	86.1	1580.2	1567.0	29.2	.4	8.1	.0150	.208	.208	1	49.88
146	.006	.913	3	701.3	9817.1	10518.4	1.000	86.1	1580.2	1567.0	29.2	.4	8.1	.0150	.208	.208	2	49.88
147	.006	.919	3	697.2	9829.3	10526.5	1.000	86.6	1580.1	1567.0	29.6	.4	8.1	.0150	.208	.209	0	49.88
147	.006	.919	3	697.2	9829.5	10526.7	1.000	86.6	1580.1	1567.0	29.6	.4	8.1	.0150	.209	.209	1	49.88
[illegible]	.006	.925	3	693.0	9841.2	10534.2	1.000	87.0	1580.1	1567.0	30.0	.4	8.1	.0150	.209	.209	0	49.88
[illegible]	.006	.931	3	688.8	9852.2	10541.1	1.000	87.4	1580.1	1567.0	30.4	.4	8.0	.0150	.209	.209	0	49.88
150	.006	.938	3	684.6	9863.0	10547.6	1.000	87.8	1580.1	1567.0	30.9	.4	8.0	.0150	.209	.209	0	49.88

I	Step Time Step (hr) DTH	Elpse Time (hr) T	Fail Code KG	Spillway Outflow (cfs) QTS	Breach Outflow (cfs) QB	Total Outflow (cfs) QTOT	Sbmrg Crctn Factr SUB	Brech Top Width (ft) BT	Rsrvor W. S. Elev. (ft - MSL) HY	Breach Bottom Elev. (ft - MSL) HC	Brech Bottm Width (ft) BO	Breach Width Incres (ft) PPP	Breach Flow Depth (ft) HP	Brech Manig (n) CNN	Estmte Erosin Depth Incrse (ft) DH	Comput Erosin Depth Incrse (ft) DHH	Itrtn Count KIT	Brech Vrtcl Side Angle (deg) ALG
150	.006	.938	3	684.6	9863.2	10547.8	1.000	87.8	1580.1	1567.0	30.9	.4	7.9	.0150	.209	.209	1	49.88
151	.006	.944	3	680.4	9873.3	10553.7	1.000	88.2	1580.0	1567.0	31.3	.4	7.9	.0150	.209	.209	0	49.88
152	.006	.950	3	676.2	9882.7	10558.9	1.000	88.6	1580.0	1567.0	31.7	.4	7.9	.0150	.209	.210	0	49.88
152	.006	.950	3	676.2	9882.8	10559.0	1.000	88.6	1580.0	1567.0	31.7	.4	7.8	.0150	.210	.210	1	49.88
153	.006	.956	3	671.9	9892.0	10564.0	1.000	89.1	1580.0	1567.0	32.1	.4	7.8	.0150	.210	.210	0	49.88
154	.006	.963	3	667.7	9900.6	10568.3	1.000	89.5	1580.0	1567.0	32.5	.4	7.8	.0150	.210	.210	0	49.88
154	.006	.963	3	667.7	9900.7	10568.4	1.000	89.5	1580.0	1567.0	32.5	.4	7.7	.0150	.210	.210	1	49.88
155	.006	.969	3	663.4	9908.9	10572.3	1.000	89.9	1579.9	1567.0	33.0	.4	7.7	.0150	.210	.210	0	49.88
156	.006	.975	3	659.1	9916.3	10575.4	1.000	90.3	1579.9	1567.0	33.4	.4	7.7	.0150	.210	.211	0	49.88
156	.006	.975	3	659.1	9916.4	10575.5	1.000	90.3	1579.9	1567.0	33.4	.4	7.6	.0150	.211	.210	1	49.88
156	.006	.975	3	659.1	9916.3	10575.4	1.000	90.3	1579.9	1567.0	33.4	.4	7.6	.0150	.210	.210	2	49.88
157	.006	.981	3	654.7	9923.3	10578.1	1.000	90.7	1579.9	1567.0	33.8	.4	7.6	.0150	.210	.211	0	49.88
157	.006	.981	3	654.7	9923.4	10578.2	1.000	90.7	1579.9	1567.0	33.8	.4	7.6	.0150	.211	.211	1	49.88
158	.006	.988	3	650.4	9929.8	10580.2	1.000	91.2	1579.8	1567.0	34.2	.4	7.6	.0150	.211	.210	0	49.88
159	.006	.994	3	646.0	9935.6	10581.7	1.000	91.6	1579.8	1567.0	34.6	.4	7.5	.0150	.211	.211	0	49.88
160	.006	1.000	3	641.6	9941.1	10582.7	1.000	92.0	1579.8	1567.0	35.1	.4	7.5	.0150	.211	.211	0	49.88
[illegible]	.006	1.000	3	641.6	9941.2	10582.8	1.000	92.0	1579.8	1567.0	35.1	.4	7.4	.0150	.211	.211	1	49.88
160	.006	1.000	3	641.6	9941.1	10582.7	1.000	92.0	1579.8	1567.0	35.1	.4	7.4	.0150	.211	.211	2	49.88
161	.006	1.006	3	637.2	9945.8	10583.0	1.000	92.4	1579.7	1567.0	35.5	.4	7.4	.0150	.211	.211	0	49.88
161	.006	1.006	3	637.2	9945.9	10583.1	1.000	92.4	1579.7	1567.0	35.5	.4	7.4	.0150	.211	.211	1	49.88
162	.006	1.013	3	632.8	9950.1	10582.9	1.000	92.9	1579.7	1567.0	35.9	.4	7.4	.0150	.211	.211	0	49.88
163	.006	1.019	3	628.4	9954.0	10582.3	1.000	93.3	1579.7	1567.0	36.3	.4	7.3	.0150	.211	.211	0	49.88
164	.006	1.025	3	623.9	9957.0	10580.9	1.000	93.7	1579.7	1567.0	36.7	.4	7.3	.0150	.211	.211	0	49.88
164	.006	1.025	3	623.9	9957.1	10581.0	1.000	93.7	1579.7	1567.0	36.7	.4	7.2	.0150	.211	.211	1	49.88
165	.006	1.031	3	619.4	9959.7	10579.1	1.000	94.1	1579.6	1567.0	37.2	.4	7.3	.0150	.211	.211	0	49.88
165	.006	1.031	3	619.4	9959.6	10579.0	1.000	94.1	1579.6	1567.0	37.2	.4	7.2	.0150	.211	.211	1	49.88
166	.006	1.038	3	614.9	9961.5	10576.4	1.000	94.5	1579.6	1567.0	37.6	.4	7.2	.0150	.211	.211	0	49.88
166	.006	1.038	3	614.9	9961.6	10576.5	1.000	94.5	1579.6	1567.0	37.6	.4	7.2	.0150	.211	.211	1	49.88
167	.006	1.044	3	610.4	9963.0	10573.4	1.000	95.0	1579.6	1567.0	38.0	.4	7.2	.0150	.211	.211	0	49.88
167	.006	1.044	3	610.4	9963.1	10573.5	1.000	95.0	1579.6	1567.0	38.0	.4	7.1	.0150	.211	.211	1	49.88
167	.006	1.044	3	610.4	9963.0	10573.4	1.000	95.0	1579.6	1567.0	38.0	.4	7.1	.0150	.211	.211	2	49.88
168	.006	1.050	3	605.8	9963.8	10569.6	1.000	95.4	1579.5	1567.0	38.4	.4	7.1	.0150	.211	.211	0	49.88
168	.006	1.050	3	605.8	9963.8	10569.7	1.000	95.4	1579.5	1567.0	38.4	.4	7.1	.0150	.211	.211	1	49.88
169	.006	1.056	3	601.3	9964.1	10565.4	1.000	95.8	1579.5	1567.0	38.9	.4	7.1	.0150	.211	.211	0	49.88
169	.006	1.056	3	601.3	9964.2	10565.5	1.000	95.8	1579.5	1567.0	38.9	.4	7.0	.0150	.211	.211	1	49.88
169	.006	1.056	3	601.3	9964.1	10565.3	1.000	95.8	1579.5	1567.0	38.9	.4	7.0	.0150	.211	.211	2	49.88
170	.006	1.063	3	593.4	9963.5	10556.8	1.000	96.2	1579.5	1567.0	39.3	.4	7.0	.0150	.211	.211	0	49.88
171	.006	1.069	3	584.2	9962.5	10546.7	1.000	96.7	1579.4	1567.0	39.7	.4	7.0	.0150	.211	.211	0	49.88
171	.006	1.069	3	584.2	9962.6	10546.8	1.000	96.7	1579.4	1567.0	39.7	.4	7.0	.0150	.211	.211	1	49.88
172	.006	1.075	3	575.0	9961.2	10536.1	1.000	97.1	1579.4	1567.0	40.1	.4	7.0	.0150	.211	.211	0	49.88
172	.006	1.075	3	575.0	9961.1	10536.0	1.000	97.1	1579.4	1567.0	40.1	.4	6.9	.0150	.211	.211	1	49.88
173	.006	1.081	3	565.7	9958.9	10524.6	1.000	97.5	1579.4	1567.0	40.5	.4	6.9	.0150	.211	.211	0	49.88
[illegible]	.006	1.088	3	556.4	9956.2	10512.6	1.000	97.9	1579.4	1567.0	41.0	.4	6.9	.0150	.211	.211	0	49.88
175	.006	1.094	3	547.1	9953.1	10500.2	1.000	98.3	1579.3	1567.0	41.4	.4	6.8	.0150	.211	.211	0	49.88
176	.006	1.100	3	537.7	9949.3	10487.0	1.000	98.8	1579.3	1567.0	41.8	.4	6.8	.0150	.211	.211	0	49.88
177	.006	1.106	3	528.3	9944.8	10473.1	1.000	99.2	1579.3	1567.0	42.2	.4	6.7	.0150	.211	.211	0	49.88

177	.006	1.106	3	528.3	9944.7	10473.0	1.000	99.2	1579.3	1567.0	42.2	.4	6.7	.0150	.211	.210	1 49.88
178	.006	1.113	3	518.9	9939.8	10458.7	1.000	99.6	1579.2	1567.0	42.7	.4	6.7	.0150	.211	.211	0 49.88
178	.006	1.113	3	518.9	9939.9	10458.8	1.000	99.6	1579.2	1567.0	42.7	.4	6.7	.0150	.211	.211	1 49.88
[illegible]	.006	1.119	3	509.4	9934.3	10443.7	1.000	100.0	1579.2	1567.0	43.1	.4	6.7	.0150	.211	.211	0 49.88
[illegible]	.006	1.119	3	509.4	9934.2	10443.6	1.000	100.0	1579.2	1567.0	43.1	.4	6.6	.0150	.211	.210	1 49.88
180	.006	1.125	3	499.9	9928.1	10428.1	1.000	100.4	1579.2	1567.0	43.5	.4	6.6	.0150	.211	.210	0 49.88
180	.006	1.125	3	499.9	9928.0	10427.9	1.000	100.4	1579.2	1567.0	43.5	.4	6.6	.0150	.210	.210	1 49.88
181	.006	1.131	3	490.4	9921.2	10411.6	1.000	100.9	1579.1	1567.0	43.9	.4	6.6	.0150	.210	.211	0 49.88
181	.006	1.131	3	490.4	9921.4	10411.8	1.000	100.9	1579.1	1567.0	43.9	.4	6.6	.0150	.211	.210	1 49.88
182	.006	1.138	3	480.8	9914.1	10395.0	1.000	101.3	1579.1	1567.0	44.3	.4	6.6	.0150	.211	.210	0 49.88
182	.006	1.138	3	480.8	9914.0	10394.8	1.000	101.3	1579.1	1567.0	44.3	.4	6.5	.0150	.210	.210	1 49.88
183	.006	1.144	3	471.2	9906.0	10377.3	1.000	101.7	1579.1	1567.0	44.8	.4	6.5	.0150	.210	.210	0 49.88
183	.006	1.144	3	471.2	9905.9	10377.1	1.000	101.7	1579.1	1567.0	44.8	.4	6.5	.0150	.210	.209	1 49.88
184	.006	1.150	3	461.6	9897.2	10358.8	1.000	102.1	1579.0	1567.0	45.2	.4	6.5	.0150	.210	.210	0 49.88
184	.006	1.150	3	461.6	9897.3	10358.9	1.000	102.1	1579.0	1567.0	45.2	.4	6.4	.0150	.210	.210	1 49.88
185	.006	1.156	3	451.9	9888.1	10340.1	1.000	102.5	1579.0	1567.0	45.6	.4	6.4	.0150	.210	.209	0 49.88
185	.006	1.156	3	451.9	9888.0	10339.9	1.000	102.5	1579.0	1567.0	45.6	.4	6.4	.0150	.209	.209	1 49.88
186	.006	1.163	3	442.3	9878.3	10320.6	1.000	103.0	1579.0	1567.0	46.0	.4	6.4	.0150	.209	.209	0 49.88
186	.006	1.163	3	442.3	9878.2	10320.4	1.000	103.0	1579.0	1567.0	46.0	.4	6.4	.0150	.209	.210	1 49.88
186	.006	1.163	3	442.3	9878.4	10320.7	1.000	103.0	1579.0	1567.0	46.0	.4	6.4	.0150	.210	.210	2 49.88
187	.006	1.169	3	432.5	9867.9	10300.5	1.000	103.4	1578.9	1567.0	46.4	.4	6.4	.0150	.210	.209	0 49.88
187	.006	1.169	3	432.5	9867.8	10300.3	1.000	103.4	1578.9	1567.0	46.4	.4	6.3	.0150	.209	.209	1 49.88
188	.006	1.175	3	422.8	9856.9	10279.7	1.000	103.8	1578.9	1567.0	46.9	.4	6.3	.0150	.209	.208	0 49.88
188	.006	1.175	3	422.8	9856.7	10279.5	1.000	103.8	1578.9	1567.0	46.8	.4	6.3	.0150	.208	.209	1 49.88
188	.006	1.175	3	422.8	9856.9	10279.7	1.000	103.8	1578.9	1567.0	46.9	.4	6.3	.0150	.209	.209	2 49.88
189	.006	1.181	3	413.0	9845.4	10258.5	1.000	104.2	1578.9	1567.0	47.3	.4	6.3	.0150	.209	.209	0 49.88
189	.006	1.181	3	413.0	9845.3	10258.3	1.000	104.2	1578.9	1567.0	47.3	.4	6.3	.0150	.209	.208	1 49.88
190	.006	1.188	3	403.2	9832.8	10236.0	1.000	104.6	1578.8	1567.0	47.7	.4	6.3	.0150	.209	.208	0 49.88
190	.006	1.188	3	403.2	9832.9	10236.1	1.000	104.6	1578.8	1567.0	47.7	.4	6.2	.0150	.208	.208	1 49.88
[illegible]	.006	1.194	3	393.3	9819.9	10213.3	1.000	105.1	1578.8	1567.0	48.1	.4	6.2	.0150	.208	.208	0 49.88
[illegible]	.006	1.194	3	393.3	9820.0	10213.4	1.000	105.1	1578.8	1567.0	48.1	.4	6.2	.0150	.208	.208	1 49.88
192	.006	1.200	3	383.5	9806.5	10190.0	1.000	105.5	1578.8	1567.0	48.5	.4	6.2	.0150	.208	.208	0 49.88
192	.006	1.200	3	383.5	9806.4	10189.8	1.000	105.5	1578.8	1567.0	48.5	.4	6.2	.0150	.208	.207	1 49.88
193	.006	1.206	3	373.5	9792.1	10165.7	1.000	105.9	1578.7	1567.0	48.9	.4	6.1	.0150	.208	.207	0 49.88
193	.006	1.206	3	373.5	9792.0	10165.5	1.000	105.9	1578.7	1567.0	48.9	.4	6.1	.0150	.207	.208	1 49.88
193	.006	1.206	3	373.5	9792.2	10165.7	1.000	105.9	1578.7	1567.0	48.9	.4	6.1	.0150	.208	.208	2 49.88
194	.006	1.213	3	363.6	9777.6	10141.2	1.000	106.3	1578.7	1567.0	49.3	.4	6.1	.0150	.208	.207	0 49.88
194	.006	1.213	3	363.6	9777.5	10141.1	1.000	106.3	1578.7	1567.0	49.3	.4	6.1	.0150	.207	.207	1 49.88
195	.006	1.219	3	353.6	9761.9	10115.6	1.000	106.7	1578.7	1567.0	49.8	.4	6.1	.0150	.207	.206	0 49.88
195	.006	1.219	3	353.6	9762.0	10115.6	1.000	106.7	1578.7	1567.0	49.8	.4	6.0	.0150	.206	.207	1 49.88
195	.006	1.219	3	353.6	9762.2	10115.8	1.000	106.7	1578.7	1567.0	49.8	.4	6.1	.0150	.207	.207	2 49.88
196	.006	1.225	3	343.6	9746.1	10089.7	1.000	107.1	1578.6	1567.0	50.2	.4	6.1	.0150	.207	.206	0 49.88
196	.006	1.225	3	343.6	9745.9	10089.5	1.000	107.1	1578.6	1567.0	50.2	.4	6.0	.0150	.206	.206	1 49.88
197	.006	1.231	3	333.6	9729.2	10062.8	1.000	107.5	1578.6	1567.0	50.6	.4	6.0	.0150	.206	.206	0 49.88
197	.006	1.231	3	333.6	9729.1	10062.6	1.000	107.5	1578.6	1567.0	50.6	.4	6.0	.0150	.206	.206	1 49.88
198	.006	1.238	3	323.5	9711.9	10035.4	1.000	107.9	1578.6	1567.0	51.0	.4	6.0	.0150	.206	.206	0 49.88
198	.006	1.238	3	323.5	9711.9	10035.5	1.000	107.9	1578.6	1567.0	51.0	.4	5.9	.0150	.206	.206	1 49.88
199	.006	1.244	3	313.4	9694.0	10007.4	1.000	108.4	1578.5	1567.0	51.4	.4	5.9	.0150	.206	.205	0 49.88
199	.006	1.244	3	313.4	9693.8	10007.3	1.000	108.4	1578.5	1567.0	51.4	.4	5.9	.0150	.205	.205	1 49.88
200	.006	1.250	3	303.3	9675.3	9978.7	1.000	108.8	1578.5	1567.0	51.8	.4	5.9	.0150	.205	.204	0 49.88

PROJECT TITLE : PIPING BREACH ANALYSIS

PROJECT NUMBER : S-22 SPOOK HILL FRS 6/27/1990

Step I	Time Step (hr) DTH	Elpse Time (hr) T	Fail Code KG	Spillway Outflow (cfs) QTS	Breach Outflow (cfs) QB	Total Outflow (cfs) QTOT	Sbmrg Crctn Factr SUB	Brech Top Width (ft) BT	Rsrvor W. S. Elev. (ft - MSL) HY	Breach Bottom Elev. (ft - MSL) HC	Brech Bottm Width (ft) BO	Breach Width Incres (ft) PPP	Breach Flow Depth (ft) HP	Brech Manig (n) CNN	Estmte Erosin Depth Incrse (ft) DH	Comput Erosin Depth Incrse (ft) DHH	Itrtn Count KIT	Brech Vrtcl Side Angle (deg) ALG
200	.006	1.250	3	303.3	9675.2	9978.5	1.000	108.8	1578.5	1567.0	51.8	.4	5.9	.0150	.204	.205	1	49.88
200	.006	1.250	3	303.3	9675.4	9978.7	1.000	108.8	1578.5	1567.0	51.8	.4	5.9	.0150	.205	.205	2	49.88
201	.006	1.256	3	293.2	9656.1	9949.2	1.000	109.2	1578.5	1567.0	52.2	.4	5.9	.0150	.205	.204	0	49.88
201	.006	1.256	3	293.2	9656.1	9949.3	1.000	109.2	1578.5	1567.0	52.2	.4	5.8	.0150	.204	.204	1	49.88
202	.006	1.263	3	283.0	9636.0	9919.1	1.000	109.6	1578.4	1567.0	52.6	.4	5.8	.0150	.204	.204	0	49.88
202	.006	1.263	3	283.0	9636.1	9919.1	1.000	109.6	1578.4	1567.0	52.6	.4	5.8	.0150	.204	.204	1	49.88
202	.006	1.263	3	283.0	9636.3	9919.3	1.000	109.6	1578.4	1567.0	52.6	.4	5.8	.0150	.204	.204	2	49.88
203	.006	1.269	3	272.8	9615.9	9888.7	1.000	110.0	1578.4	1567.0	53.0	.4	5.8	.0150	.204	.204	0	49.88
203	.006	1.269	3	272.8	9615.7	9888.5	1.000	110.0	1578.4	1567.0	53.0	.4	5.8	.0150	.204	.203	1	49.88
204	.006	1.275	3	262.5	9594.5	9857.0	1.000	110.4	1578.4	1567.0	53.5	.4	5.8	.0150	.204	.203	0	49.88
204	.006	1.275	3	262.5	9594.3	9856.8	1.000	110.4	1578.4	1567.0	53.4	.4	5.7	.0150	.203	.204	1	49.88
204	.006	1.275	3	262.5	9594.5	9857.0	1.000	110.4	1578.4	1567.0	53.5	.4	5.8	.0150	.204	.203	2	49.88
205	.006	1.281	3	252.3	9573.0	9825.2	1.000	110.8	1578.3	1567.0	53.9	.4	5.7	.0150	.204	.203	0	49.88
205	.006	1.281	3	252.3	9572.8	9825.1	1.000	110.8	1578.3	1567.0	53.9	.4	5.7	.0150	.203	.203	1	49.88
206	.006	1.288	3	242.0	9550.5	9792.5	1.000	111.2	1578.3	1567.0	54.3	.4	5.7	.0150	.203	.202	0	49.88
206	.006	1.288	3	242.0	9550.3	9792.3	1.000	111.2	1578.3	1567.0	54.3	.4	5.7	.0150	.202	.202	1	49.88
[illegible]	.006	1.294	3	231.7	9527.2	9758.8	1.000	111.6	1578.3	1567.0	54.7	.4	5.7	.0150	.202	.202	0	49.88
208	.006	1.300	3	221.3	9503.5	9724.8	1.000	112.0	1578.2	1567.0	55.1	.4	5.7	.0150	.202	.201	0	49.88
208	.006	1.300	3	221.3	9503.3	9724.6	1.000	112.0	1578.2	1567.0	55.1	.4	5.6	.0150	.201	.201	1	49.88
209	.006	1.306	3	210.9	9479.0	9689.9	1.000	112.4	1578.2	1567.0	55.5	.4	5.6	.0150	.201	.200	0	49.88
209	.006	1.306	3	210.9	9479.0	9689.9	1.000	112.4	1578.2	1567.0	55.5	.4	5.6	.0150	.200	.200	1	49.88
210	.006	1.313	3	200.5	9453.8	9654.3	1.000	112.8	1578.2	1567.0	55.9	.4	5.6	.0150	.200	.200	0	49.88
211	.006	1.319	3	190.1	9428.3	9618.4	1.000	113.2	1578.1	1567.0	56.3	.4	5.6	.0150	.200	.200	0	49.88
211	.006	1.319	3	190.1	9428.1	9618.2	1.000	113.2	1578.1	1567.0	56.3	.4	5.5	.0150	.200	.199	1	49.88
212	.006	1.325	3	179.6	9401.9	9581.5	1.000	113.6	1578.1	1567.0	56.7	.4	5.5	.0150	.200	.199	0	49.88
212	.006	1.325	3	179.6	9401.9	9581.5	1.000	113.6	1578.1	1567.0	56.7	.4	5.5	.0150	.199	.199	1	49.88
213	.006	1.331	3	169.1	9374.9	9544.0	1.000	114.0	1578.1	1567.0	57.1	.4	5.5	.0150	.199	.199	0	49.88
214	.006	1.338	3	158.6	9347.3	9505.9	1.000	114.4	1578.0	1567.0	57.5	.4	5.5	.0150	.199	.198	0	49.88
214	.006	1.338	3	158.6	9347.4	9506.0	1.000	114.4	1578.0	1567.0	57.5	.4	5.4	.0150	.198	.198	1	49.88
215	.006	1.344	3	148.1	9319.3	9467.3	1.000	114.8	1578.0	1567.0	57.9	.4	5.4	.0150	.198	.197	0	49.88
215	.006	1.344	3	148.1	9319.1	9467.1	1.000	114.8	1578.0	1567.0	57.9	.4	5.4	.0150	.197	.197	1	49.88
216	.006	1.350	3	137.5	9290.2	9427.7	1.000	115.2	1578.0	1567.0	58.2	.4	5.4	.0150	.197	.196	0	49.88
216	.006	1.350	3	137.5	9290.0	9427.5	1.000	115.2	1578.0	1567.0	58.2	.4	5.4	.0150	.196	.197	1	49.88
216	.006	1.350	3	137.5	9290.2	9427.6	1.000	115.2	1578.0	1567.0	58.2	.4	5.4	.0150	.197	.197	2	49.88
217	.006	1.356	3	126.9	9260.9	9387.8	1.000	115.6	1577.9	1567.0	58.6	.4	5.4	.0150	.197	.196	0	49.88
217	.006	1.356	3	126.9	9260.7	9387.6	1.000	115.6	1577.9	1567.0	58.6	.4	5.3	.0150	.196	.196	1	49.88
218	.006	1.363	3	116.3	9230.7	9346.9	1.000	116.0	1577.9	1567.0	59.0	.4	5.3	.0150	.196	.195	0	49.88
218	.006	1.363	3	116.3	9230.5	9346.7	1.000	116.0	1577.9	1567.0	59.0	.4	5.3	.0150	.195	.196	1	49.88
218	.006	1.363	3	116.3	9230.6	9346.9	1.000	116.0	1577.9	1567.0	59.0	.4	5.3	.0150	.196	.195	2	49.88
219	.006	1.369	3	105.7	9200.2	9305.9	1.000	116.4	1577.9	1567.0	59.4	.4	5.3	.0150	.196	.195	0	49.88
219	.006	1.369	3	105.7	9200.0	9305.7	1.000	116.4	1577.9	1567.0	59.4	.4	5.3	.0150	.195	.194	1	49.88
220	.006	1.375	3	95.0	9168.6	9263.6	1.000	116.8	1577.8	1567.0	59.8	.4	5.3	.0150	.195	.194	0	49.88
[illegible]	.006	1.375	3	95.0	9168.6	9263.6	1.000	116.8	1577.8	1567.0	59.8	.4	5.2	.0150	.194	.193	1	49.88
221	.006	1.381	3	84.3	9136.4	9220.7	1.000	117.1	1577.8	1567.0	60.2	.4	5.2	.0150	.194	.194	0	49.88
222	.006	1.388	3	73.5	9103.9	9177.5	1.000	117.5	1577.7	1567.0	60.6	.4	5.2	.0150	.194	.193	0	49.88
222	.006	1.388	3	73.5	9104.0	9177.5	1.000	117.5	1577.7	1567.0	60.6	.4	5.2	.0150	.193	.193	1	49.88

223	.006	1.394	3	62.8	9070.7	9133.5	1.000	117.9	1577.7	1567.0	61.0	.4	5.2	.0150	.193	.192	0 49.88
223	.006	1.394	3	62.8	9070.5	9133.3	1.000	117.9	1577.7	1567.0	61.0	.4	5.1	.0150	.192	.192	1 49.88
224	.006	1.400	3	52.1	9036.7	9088.8	1.000	118.3	1577.7	1567.0	61.3	.4	5.1	.0150	.192	.191	0 49.88
[illegible]	.006	1.400	3	52.0	9036.7	9088.8	1.000	118.3	1577.7	1567.0	61.3	.4	5.1	.0150	.191	.191	1 49.88
[illegible]	.006	1.400	3	52.1	9036.9	9089.0	1.000	118.3	1577.7	1567.0	61.3	.4	5.1	.0150	.191	.191	2 49.88
225	.006	1.406	3	41.3	9002.5	9043.7	1.000	118.7	1577.6	1567.0	61.7	.4	5.1	.0150	.191	.190	0 49.88
225	.006	1.406	3	41.3	9002.3	9043.5	1.000	118.7	1577.6	1567.0	61.7	.4	5.1	.0150	.190	.190	1 49.88
226	.006	1.413	3	30.5	8967.3	8997.8	1.000	119.1	1577.6	1567.0	62.1	.4	5.1	.0150	.190	.189	0 49.88
226	.006	1.413	3	30.5	8967.1	8997.6	1.000	119.1	1577.6	1567.0	62.1	.4	5.1	.0150	.189	.189	1 49.88
227	.006	1.419	3	19.6	8931.4	8951.0	1.000	119.4	1577.6	1567.0	62.5	.4	5.0	.0150	.189	.188	0 49.88
227	.006	1.419	3	19.6	8931.2	8950.8	1.000	119.4	1577.6	1567.0	62.5	.4	5.0	.0150	.188	.189	1 49.88
227	.006	1.419	3	19.6	8931.3	8950.9	1.000	119.4	1577.6	1567.0	62.5	.4	5.0	.0150	.189	.189	2 49.88
228	.006	1.425	3	8.8	8895.2	8904.0	1.000	119.8	1577.5	1567.0	62.9	.4	5.0	.0150	.189	.188	0 49.88
228	.006	1.425	3	8.8	8895.0	8903.8	1.000	119.8	1577.5	1567.0	62.9	.4	5.0	.0150	.188	.188	1 49.88
229	.006	1.431	3	.0	8858.2	8858.2	1.000	120.2	1577.5	1567.0	63.2	.4	5.0	.0150	.188	.187	0 49.88
229	.006	1.431	3	.0	8858.0	8858.0	1.000	120.2	1577.5	1567.0	63.2	.4	5.0	.0150	.187	.187	1 49.88
230	.006	1.438	3	.0	8820.4	8820.4	1.000	120.6	1577.5	1567.0	63.6	.4	5.0	.0150	.187	.187	0 49.88
231	.006	1.444	3	.0	8782.2	8782.2	1.000	120.9	1577.4	1567.0	64.0	.4	4.9	.0150	.187	.186	0 49.88
231	.006	1.444	3	.0	8782.0	8782.0	1.000	120.9	1577.4	1567.0	64.0	.4	4.9	.0150	.186	.186	1 49.88
232	.006	1.450	3	.0	8743.0	8743.0	1.000	121.3	1577.4	1567.0	64.3	.4	4.9	.0150	.186	.185	0 49.88
232	.006	1.450	3	.0	8743.1	8743.1	1.000	121.3	1577.4	1567.0	64.3	.4	4.9	.0150	.185	.185	1 49.88
233	.006	1.456	3	.0	8703.4	8703.4	1.000	121.7	1577.3	1567.0	64.7	.4	4.9	.0150	.185	.184	0 49.88
233	.006	1.456	3	.0	8703.2	8703.2	1.000	121.7	1577.3	1567.0	64.7	.4	4.8	.0150	.184	.184	1 49.88
234	.006	1.463	3	.0	8662.7	8662.7	1.000	122.0	1577.3	1567.0	65.1	.4	4.8	.0150	.184	.183	0 49.88
234	.006	1.463	3	.0	8662.8	8662.8	1.000	122.0	1577.3	1567.0	65.1	.4	4.8	.0150	.183	.183	1 49.88
234	.006	1.463	3	.0	8662.9	8662.9	1.000	122.0	1577.3	1567.0	65.1	.4	4.8	.0150	.183	.183	2 49.88
235	.006	1.469	3	.0	8621.8	8621.8	1.000	122.4	1577.3	1567.0	65.4	.4	4.8	.0150	.183	.182	0 49.88
235	.006	1.469	3	.0	8621.6	8621.6	1.000	122.4	1577.3	1567.0	65.4	.4	4.8	.0150	.182	.182	1 49.88
236	.006	1.475	3	.0	8579.8	8579.8	1.000	122.8	1577.2	1567.0	65.8	.4	4.8	.0150	.182	.181	0 49.88
[illegible]	.006	1.475	3	.0	8579.8	8579.8	1.000	122.8	1577.2	1567.0	65.8	.4	4.8	.0150	.181	.181	1 49.88
[illegible]	.006	1.481	3	.0	8537.3	8537.3	1.000	123.1	1577.2	1567.0	66.2	.4	4.8	.0150	.181	.180	0 49.88
237	.006	1.481	3	.0	8537.0	8537.0	1.000	123.1	1577.2	1567.0	66.2	.4	4.7	.0150	.180	.181	1 49.88
237	.006	1.481	3	.0	8537.2	8537.2	1.000	123.1	1577.2	1567.0	66.2	.4	4.7	.0150	.181	.181	2 49.88
238	.006	1.488	3	.0	8494.0	8494.0	1.000	123.5	1577.2	1567.0	66.5	.4	4.7	.0150	.181	.180	0 49.88
238	.006	1.488	3	.0	8494.1	8494.1	1.000	123.5	1577.2	1567.0	66.5	.4	4.7	.0150	.180	.179	1 49.88
239	.006	1.494	3	.0	8450.1	8450.1	1.000	123.8	1577.1	1567.0	66.9	.4	4.7	.0150	.180	.178	0 49.88
239	.006	1.494	3	.0	8450.2	8450.2	1.000	123.8	1577.1	1567.0	66.9	.4	4.7	.0150	.178	.178	1 49.88
240	.006	1.500	3	.0	8405.5	8405.5	1.000	124.2	1577.1	1567.0	67.2	.4	4.7	.0150	.178	.177	0 49.88
240	.006	1.500	3	.0	8405.3	8405.3	1.000	124.2	1577.1	1567.0	67.2	.4	4.6	.0150	.177	.177	1 49.88
241	.006	1.506	3	.0	8359.8	8359.8	1.000	124.5	1577.0	1567.0	67.6	.4	4.6	.0150	.177	.176	0 49.88
241	.006	1.506	3	.0	8359.9	8359.9	1.000	124.5	1577.0	1567.0	67.6	.4	4.6	.0150	.176	.176	1 49.88
242	.006	1.513	3	.0	8313.7	8313.7	1.000	124.9	1577.0	1567.0	67.9	.4	4.6	.0150	.176	.175	0 49.88
242	.006	1.513	3	.0	8313.8	8313.8	1.000	124.9	1577.0	1567.0	67.9	.4	4.6	.0150	.175	.176	1 49.88
242	.006	1.513	3	.0	8313.9	8313.9	1.000	124.9	1577.0	1567.0	67.9	.4	4.6	.0150	.176	.176	2 49.88
243	.006	1.519	3	.0	8267.1	8267.1	1.000	125.2	1577.0	1567.0	68.3	.4	4.6	.0150	.176	.175	0 49.88
243	.006	1.519	3	.0	8266.9	8266.9	1.000	125.2	1577.0	1567.0	68.3	.3	4.6	.0150	.175	.175	1 49.88
244	.006	1.525	3	.0	8219.7	8219.7	1.000	125.6	1576.9	1567.0	68.6	.3	4.6	.0150	.175	.174	0 49.88
244	.006	1.525	3	.0	8219.5	8219.5	1.000	125.6	1576.9	1567.0	68.6	.3	4.5	.0150	.174	.173	1 49.88
245	.006	1.531	3	.0	8171.5	8171.5	1.000	125.9	1576.9	1567.0	69.0	.3	4.5	.0150	.174	.172	0 49.88
245	.006	1.531	3	.0	8171.3	8171.3	1.000	125.9	1576.9	1567.0	69.0	.3	4.5	.0150	.172	.172	1 49.88
246	.006	1.538	3	.0	8122.6	8122.6	1.000	126.3	1576.9	1567.0	69.3	.3	4.5	.0150	.172	.171	0 49.88
246	.006	1.538	3	.0	8122.4	8122.4	1.000	126.3	1576.9	1567.0	69.3	.3	4.5	.0150	.171	.171	1 49.88
247	.006	1.544	3	.0	8073.0	8073.0	1.000	126.6	1576.8	1567.0	69.7	.3	4.5	.0150	.171	.170	0 49.88
247	.006	1.544	3	.0	8072.7	8072.7	1.000	126.6	1576.8	1567.0	69.7	.3	4.4	.0150	.170	.170	1 49.88
248	.006	1.550	3	.0	8022.6	8022.6	1.000	127.0	1576.8	1567.0	70.0	.3	4.4	.0150	.170	.169	0 49.88
[illegible]	.006	1.550	3	.0	8022.4	8022.4	1.000	127.0	1576.8	1567.0	70.0	.3	4.4	.0150	.169	.170	1 49.88
[illegible]	.006	1.550	3	.0	8022.5	8022.5	1.000	127.0	1576.8	1567.0	70.0	.3	4.4	.0150	.170	.170	2 49.88
249	.006	1.556	3	.0	7971.8	7971.8	1.000	127.3	1576.7	1567.0	70.3	.3	4.4	.0150	.170	.169	0 49.88
249	.006	1.556	3	.0	7971.6	7971.6	1.000	127.3	1576.7	1567.0	70.3	.3	4.4	.0150	.169	.168	1 49.88
250	.006	1.563	3	.0	7920.1	7920.1	1.000	127.6	1576.7	1567.0	70.7	.3	4.4	.0150	.169	.167	0 49.88

Step I	Time Step (hr) DTH	Elpse Time (hr) T	Fail Code KG	Spillway Outflow (cfs) QTS	Breach Outflow (cfs) QB	Total Outflow (cfs) QTOT	Sbmrg Crctn Factr SUB	Brech Top Width (ft) BT	Rsrvor W. S. Elev. (ft - MSL) HY	Breach Bottom Elev. (ft - MSL) HC	Brech Bottm Width (ft) BO	Breach Width Incres (ft) PPP	Breach Flow Depth (ft) HP	Brech Manig (n) CNN	Estmte Erosin Depth Incrse (ft) DH	Comput Erosin Depth Incrse (ft) DHH	Itrtn Count KIT	Brech Vrtcl Side Angle (deg) ALG
250	.006	1.563	3	.0	7920.2	7920.2	1.000	127.6	1576.7	1567.0	70.7	.3	4.4	.0150	.167	.167	1	49.88
251	.006	1.569	3	.0	7867.8	7867.8	1.000	128.0	1576.7	1567.0	71.0	.3	4.4	.0150	.167	.166	0	49.88
251	.006	1.569	3	.0	7867.8	7867.8	1.000	128.0	1576.7	1567.0	71.0	.3	4.3	.0150	.166	.166	1	49.88
252	.006	1.575	3	.0	7814.7	7814.7	1.000	128.3	1576.6	1567.0	71.3	.3	4.3	.0150	.166	.165	0	49.88
252	.006	1.575	3	.0	7814.8	7814.8	1.000	128.3	1576.6	1567.0	71.3	.3	4.3	.0150	.165	.165	1	49.88
253	.006	1.581	3	.0	7761.2	7761.2	1.000	128.6	1576.6	1567.0	71.7	.3	4.3	.0150	.165	.164	0	49.88
253	.006	1.581	3	.0	7761.0	7761.0	1.000	128.6	1576.6	1567.0	71.7	.3	4.3	.0150	.164	.164	1	49.88
254	.006	1.588	3	.0	7706.7	7706.7	1.000	128.9	1576.5	1567.0	72.0	.3	4.3	.0150	.164	.163	0	49.88
254	.006	1.588	3	.0	7706.8	7706.8	1.000	128.9	1576.5	1567.0	72.0	.3	4.2	.0150	.163	.163	1	49.88
255	.006	1.594	3	.0	7651.8	7651.8	1.000	129.3	1576.5	1567.0	72.3	.3	4.2	.0150	.163	.162	0	49.88
255	.006	1.594	3	.0	7651.6	7651.6	1.000	129.3	1576.5	1567.0	72.3	.3	4.2	.0150	.162	.161	1	49.88
256	.006	1.600	3	.0	7596.0	7596.0	1.000	129.6	1576.5	1567.0	72.6	.3	4.2	.0150	.162	.160	0	49.88
256	.006	1.600	3	.0	7596.1	7596.1	1.000	129.6	1576.5	1567.0	72.6	.3	4.2	.0150	.160	.160	1	49.88
257	.006	1.606	3	.0	7539.7	7539.7	1.000	129.9	1576.4	1567.0	73.0	.3	4.2	.0150	.160	.159	0	49.88
257	.006	1.606	3	.0	7539.8	7539.8	1.000	129.9	1576.4	1567.0	73.0	.3	4.1	.0150	.159	.159	1	49.88
[illegible]	.006	1.613	3	.0	7482.8	7482.8	1.000	130.2	1576.4	1567.0	73.3	.3	4.1	.0150	.159	.157	0	49.88
[illegible]	.006	1.613	3	.0	7482.5	7482.5	1.000	130.2	1576.4	1567.0	73.3	.3	4.1	.0150	.157	.158	1	49.88
258	.006	1.613	3	.0	7482.6	7482.6	1.000	130.2	1576.4	1567.0	73.3	.3	4.1	.0150	.158	.158	2	49.88
259	.006	1.619	3	.0	7424.9	7424.9	1.000	130.5	1576.4	1567.0	73.6	.3	4.1	.0150	.158	.157	0	49.88
259	.006	1.619	3	.0	7424.9	7424.9	1.000	130.5	1576.4	1567.0	73.6	.3	4.1	.0150	.157	.157	1	49.88
260	.006	1.625	3	.0	7366.6	7366.6	1.000	130.8	1576.3	1567.0	73.9	.3	4.1	.0150	.157	.155	0	49.88
260	.006	1.625	3	.0	7366.5	7366.5	1.000	130.8	1576.3	1567.0	73.9	.3	4.1	.0150	.155	.156	1	49.88
260	.006	1.625	3	.0	7366.6	7366.6	1.000	130.8	1576.3	1567.0	73.9	.3	4.1	.0150	.156	.155	2	49.88
261	.006	1.631	3	.0	7307.6	7307.6	1.000	131.2	1576.3	1567.0	74.2	.3	4.1	.0150	.156	.154	0	49.88
261	.006	1.631	3	.0	7307.5	7307.5	1.000	131.2	1576.3	1567.0	74.2	.3	4.0	.0150	.154	.154	1	49.88
261	.006	1.631	3	.0	7307.6	7307.6	1.000	131.2	1576.3	1567.0	74.2	.3	4.0	.0150	.154	.154	2	49.88
262	.006	1.638	3	.0	7247.9	7247.9	1.000	131.5	1576.2	1567.0	74.5	.3	4.0	.0150	.154	.152	0	49.88
262	.006	1.638	3	.0	7247.8	7247.8	1.000	131.5	1576.2	1567.0	74.5	.3	4.0	.0150	.152	.153	1	49.88
262	.006	1.638	3	.0	7247.9	7247.9	1.000	131.5	1576.2	1567.0	74.5	.3	4.0	.0150	.153	.153	2	49.88
263	.006	1.644	3	.0	7187.5	7187.5	1.000	131.8	1576.2	1567.0	74.8	.3	4.0	.0150	.153	.151	0	49.88
263	.006	1.644	3	.0	7187.5	7187.5	1.000	131.8	1576.2	1567.0	74.8	.3	4.0	.0150	.151	.152	1	49.88
263	.006	1.644	3	.0	7187.6	7187.6	1.000	131.8	1576.2	1567.0	74.8	.3	4.0	.0150	.152	.152	2	49.88
264	.006	1.650	3	.0	7126.5	7126.5	1.000	132.1	1576.2	1567.0	75.1	.3	4.0	.0150	.152	.150	0	49.88
264	.006	1.650	3	.0	7126.4	7126.4	1.000	132.1	1576.2	1567.0	75.1	.3	3.9	.0150	.150	.150	1	49.88
264	.006	1.650	3	.0	7126.5	7126.5	1.000	132.1	1576.2	1567.0	75.1	.3	3.9	.0150	.150	.150	2	49.88
265	.006	1.656	3	.0	7065.1	7065.1	1.000	132.4	1576.1	1567.0	75.4	.3	3.9	.0150	.150	.149	0	49.88
265	.006	1.656	3	.0	7064.7	7064.7	1.000	132.4	1576.1	1567.0	75.4	.3	3.9	.0150	.149	.148	1	49.88
266	.006	1.663	3	.0	7002.5	7002.5	1.000	132.7	1576.1	1567.0	75.7	.3	3.9	.0150	.149	.147	0	49.88
266	.006	1.663	3	.0	7002.6	7002.6	1.000	132.7	1576.1	1567.0	75.7	.3	3.9	.0150	.147	.147	1	49.88
267	.006	1.669	3	.0	6939.4	6939.4	1.000	133.0	1576.0	1567.0	76.0	.3	3.9	.0150	.147	.146	0	49.88
267	.006	1.669	3	.0	6939.5	6939.5	1.000	133.0	1576.0	1567.0	76.0	.3	3.9	.0150	.146	.146	1	49.88
[illegible]	.006	1.675	3	.0	6876.0	6876.0	1.000	133.2	1576.0	1567.0	76.3	.3	3.8	.0150	.146	.144	0	49.88
[illegible]	.006	1.675	3	.0	6875.7	6875.7	1.000	133.2	1576.0	1567.0	76.3	.3	3.8	.0150	.144	.145	1	49.88
268	.006	1.675	3	.0	6875.8	6875.8	1.000	133.2	1576.0	1567.0	76.3	.3	3.8	.0150	.145	.145	2	49.88
269	.006	1.681	3	.0	6811.7	6811.7	1.000	133.5	1575.9	1567.0	76.6	.3	3.8	.0150	.145	.143	0	49.88
269	.006	1.681	3	.0	6811.7	6811.7	1.000	133.5	1575.9	1567.0	76.6	.3	3.8	.0150	.143	.143	1	49.88

270	.006	1.688	3	.0	6748.8	6748.8	1.000	133.8	1575.9	1567.0	76.9	.3	3.8	.0150	.143	.142	0 49.88
270	.006	1.688	3	.0	6748.6	6748.6	1.000	133.8	1575.9	1567.0	76.9	.3	3.8	.0150	.142	.142	1 49.88
271	.006	1.694	3	.0	6721.7	6721.7	1.000	134.1	1575.9	1567.0	77.1	.3	3.8	.0150	.142	.142	0 49.88
[illegible]	.006	1.694	3	.0	6721.8	6721.8	1.000	134.1	1575.9	1567.0	77.1	.3	3.7	.0150	.142	.141	1 49.88
[illegible]	.006	1.700	3	.0	6694.2	6694.2	1.000	134.4	1575.8	1567.0	77.4	.3	3.7	.0150	.142	.140	0 49.88
272	.006	1.700	3	.0	6694.0	6694.0	1.000	134.4	1575.8	1567.0	77.4	.3	3.7	.0150	.140	.141	1 49.88
272	.006	1.700	3	.0	6694.1	6694.1	1.000	134.4	1575.8	1567.0	77.4	.3	3.7	.0150	.141	.141	2 49.88
273	.006	1.706	3	.0	6666.0	6666.0	1.000	134.7	1575.8	1567.0	77.7	.3	3.7	.0150	.141	.140	0 49.88
273	.006	1.706	3	.0	6665.9	6665.9	1.000	134.7	1575.8	1567.0	77.7	.3	3.7	.0150	.140	.141	1 49.88
273	.006	1.706	3	.0	6666.0	6666.0	1.000	134.7	1575.8	1567.0	77.7	.3	3.7	.0150	.141	.140	2 49.88
274	.006	1.713	3	.0	6637.2	6637.2	1.000	134.9	1575.7	1567.0	78.0	.3	3.7	.0150	.141	.139	0 49.88
274	.006	1.713	3	.0	6637.0	6637.0	1.000	134.9	1575.7	1567.0	78.0	.3	3.7	.0150	.139	.139	1 49.88
275	.006	1.719	3	.0	6607.4	6607.4	1.000	135.2	1575.7	1567.0	78.3	.3	3.7	.0150	.139	.139	0 49.88
275	.006	1.719	3	.0	6607.4	6607.4	1.000	135.2	1575.7	1567.0	78.3	.3	3.7	.0150	.139	.139	1 49.88
276	.006	1.725	3	.0	6577.2	6577.2	1.000	135.5	1575.7	1567.0	78.5	.3	3.7	.0150	.139	.139	0 49.88
276	.006	1.725	3	.0	6577.1	6577.1	1.000	135.5	1575.7	1567.0	78.5	.3	3.7	.0150	.139	.138	1 49.88
277	.006	1.731	3	.0	6546.2	6546.2	1.000	135.8	1575.6	1567.0	78.8	.3	3.7	.0150	.139	.137	0 49.88
277	.006	1.731	3	.0	6546.0	6546.0	1.000	135.8	1575.6	1567.0	78.8	.3	3.6	.0150	.137	.137	1 49.88
278	.006	1.738	3	.0	6514.3	6514.3	1.000	136.0	1575.6	1567.0	79.1	.3	3.6	.0150	.137	.137	0 49.88
278	.006	1.738	3	.0	6514.3	6514.3	1.000	136.0	1575.6	1567.0	79.1	.3	3.6	.0150	.137	.137	1 49.88
279	.006	1.744	3	.0	6481.8	6481.8	1.000	136.3	1575.5	1567.0	79.4	.3	3.6	.0150	.137	.137	0 49.88
279	.006	1.744	3	.0	6481.9	6481.9	1.000	136.3	1575.5	1567.0	79.4	.3	3.6	.0150	.137	.136	1 49.88
280	.006	1.750	3	.0	6448.6	6448.6	1.000	136.6	1575.5	1567.0	79.6	.3	3.6	.0150	.137	.135	0 49.88
280	.006	1.750	3	.0	6448.6	6448.6	1.000	136.6	1575.5	1567.0	79.6	.3	3.6	.0150	.135	.135	1 49.88
281	.006	1.756	3	.0	6414.5	6414.5	1.000	136.9	1575.4	1567.0	79.9	.3	3.6	.0150	.135	.135	0 49.88
281	.006	1.756	3	.0	6414.6	6414.6	1.000	136.9	1575.4	1567.0	79.9	.3	3.6	.0150	.135	.135	1 49.88
282	.006	1.763	3	.0	6379.8	6379.8	1.000	137.1	1575.4	1567.0	80.2	.3	3.6	.0150	.135	.134	0 49.88
282	.006	1.763	3	.0	6379.7	6379.7	1.000	137.1	1575.4	1567.0	80.2	.3	3.5	.0150	.134	.134	1 49.88
283	.006	1.769	3	.0	6344.0	6344.0	1.000	137.4	1575.3	1567.0	80.4	.3	3.5	.0150	.134	.133	0 49.88
[illegible]	.006	1.769	3	.0	6344.1	6344.1	1.000	137.4	1575.3	1567.0	80.4	.3	3.5	.0150	.133	.133	1 49.88
[illegible]	.006	1.775	3	.0	6307.7	6307.7	1.000	137.7	1575.3	1567.0	80.7	.3	3.5	.0150	.133	.132	0 49.88
284	.006	1.775	3	.0	6307.5	6307.5	1.000	137.7	1575.3	1567.0	80.7	.3	3.5	.0150	.132	.132	1 49.88
285	.006	1.781	3	.0	6270.2	6270.2	1.000	137.9	1575.3	1567.0	81.0	.3	3.5	.0150	.132	.132	0 49.88
285	.006	1.781	3	.0	6270.3	6270.3	1.000	137.9	1575.3	1567.0	81.0	.3	3.5	.0150	.132	.132	1 49.88
286	.006	1.788	3	.0	6232.1	6232.1	1.000	138.2	1575.2	1567.0	81.2	.3	3.5	.0150	.132	.131	0 49.88
286	.006	1.788	3	.0	6232.1	6232.1	1.000	138.2	1575.2	1567.0	81.2	.3	3.5	.0150	.131	.131	1 49.88
287	.006	1.794	3	.0	6193.1	6193.1	1.000	138.4	1575.2	1567.0	81.5	.3	3.5	.0150	.131	.130	0 49.88
287	.006	1.794	3	.0	6193.2	6193.2	1.000	138.4	1575.2	1567.0	81.5	.3	3.5	.0150	.130	.130	1 49.88
288	.006	1.800	3	.0	6153.2	6153.2	1.000	138.7	1575.1	1567.0	81.7	.3	3.5	.0150	.130	.129	0 49.88
288	.006	1.800	3	.0	6153.2	6153.2	1.000	138.7	1575.1	1567.0	81.7	.3	3.4	.0150	.129	.129	1 49.88
289	.006	1.806	3	.0	6112.3	6112.3	1.000	139.0	1575.1	1567.0	82.0	.3	3.4	.0150	.129	.128	0 49.88
289	.006	1.806	3	.0	6112.3	6112.3	1.000	139.0	1575.1	1567.0	82.0	.3	3.4	.0150	.128	.128	1 49.88
289	.006	1.806	3	.0	6112.3	6112.3	1.000	139.0	1575.1	1567.0	82.0	.3	3.4	.0150	.128	.129	2 49.88
289	.006	1.806	3	.0	6112.3	6112.3	1.000	139.0	1575.1	1567.0	82.0	.3	3.4	.0150	.129	.129	3 49.88
289	.006	1.806	3	.0	6112.3	6112.3	1.000	139.0	1575.1	1567.0	82.0	.3	3.4	.0150	.129	.128	4 49.88
289	.006	1.806	3	.0	6112.2	6112.2	1.000	139.0	1575.1	1567.0	82.0	.3	3.4	.0150	.128	.128	5 49.88
290	.006	1.813	3	.0	6070.3	6070.3	1.000	139.2	1575.0	1567.0	82.3	.3	3.4	.0150	.128	.128	0 49.88
290	.006	1.813	3	.0	6070.4	6070.4	1.000	139.2	1575.0	1567.0	82.3	.3	3.4	.0150	.128	.128	1 49.88
290	.006	1.813	3	.0	6070.4	6070.4	1.000	139.2	1575.0	1567.0	82.3	.3	3.4	.0150	.128	.128	2 49.88
290	.006	1.813	3	.0	6070.5	6070.5	1.000	139.2	1575.0	1567.0	82.3	.3	3.4	.0150	.128	.127	3 49.88
290	.006	1.813	3	.0	6070.3	6070.3	1.000	139.2	1575.0	1567.0	82.3	.3	3.4	.0150	.127	.127	4 49.88
290	.006	1.813	3	.0	6070.3	6070.3	1.000	139.2	1575.0	1567.0	82.3	.3	3.4	.0150	.127	.127	5 49.88
291	.006	1.819	3	.0	6027.3	6027.3	1.000	139.5	1575.0	1567.0	82.5	.3	3.4	.0150	.127	.127	0 49.88
291	.006	1.819	3	.0	6027.4	6027.4	1.000	139.5	1575.0	1567.0	82.5	.3	3.4	.0150	.127	.127	1 49.88
291	.006	1.819	3	.0	6027.4	6027.4	1.000	139.5	1575.0	1567.0	82.5	.3	3.4	.0150	.127	.126	2 49.88
[illegible]	.006	1.819	3	.0	6027.3	6027.3	1.000	139.5	1575.0	1567.0	82.5	.3	3.4	.0150	.126	.126	3 49.88
[illegible]	.006	1.819	3	.0	6027.3	6027.3	1.000	139.5	1575.0	1567.0	82.5	.3	3.4	.0150	.126	.126	4 49.88
291	.006	1.819	3	.0	6027.3	6027.3	1.000	139.5	1575.0	1567.0	82.5	.3	3.4	.0150	.126	.127	5 49.88
292	.006	1.825	3	.0	5983.4	5983.4	1.000	139.7	1574.9	1567.0	82.8	.3	3.4	.0150	.126	.126	0 49.88
292	.006	1.825	3	.0	5983.5	5983.5	1.000	139.7	1574.9	1567.0	82.8	.3	3.4	.0150	.126	.126	1 49.88

292	.006	1.825	3	.0	5983.5	5983.5	1.000	139.7	1574.9	1567.0	82.8	.3	3.4	.0150	.126	.125	2	49.88
292	.006	1.825	3	.0	5983.4	5983.4	1.000	139.7	1574.9	1567.0	82.8	.3	3.3	.0150	.125	.125	3	49.88
292	.006	1.825	3	.0	5983.4	5983.4	1.000	139.7	1574.9	1567.0	82.8	.3	3.3	.0150	.125	.125	4	49.88
[illegible]	.006	1.825	3	.0	5983.4	5983.4	1.000	139.7	1574.9	1567.0	82.8	.3	3.3	.0150	.125	.126	5	49.88
[illegible]	006	1.831	3	.0	5938.4	5938.4	1.000	140.0	1574.9	1567.0	83.0	.3	3.3	.0150	.125	.125	0	49.88
293	.006	1.831	3	.0	5938.5	5938.5	1.000	140.0	1574.9	1567.0	83.0	.3	3.3	.0150	.125	.125	1	49.88
293	.006	1.831	3	.0	5938.5	5938.5	1.000	140.0	1574.9	1567.0	83.0	.3	3.3	.0150	.125	.124	2	49.88
293	.006	1.831	3	.0	5938.4	5938.4	1.000	140.0	1574.9	1567.0	83.0	.2	3.3	.0150	.124	.124	3	49.88
293	.006	1.831	3	.0	5938.4	5938.4	1.000	140.0	1574.9	1567.0	83.0	.2	3.3	.0150	.124	.125	4	49.88
293	.006	1.831	3	.0	5938.4	5938.4	1.000	140.0	1574.9	1567.0	83.0	.2	3.3	.0150	.125	.125	5	49.88
294	.006	1.838	3	.0	5892.4	5892.4	1.000	140.2	1574.8	1567.0	83.3	.2	3.3	.0150	.125	.124	0	49.88
294	.006	1.838	3	.0	5892.4	5892.4	1.000	140.2	1574.8	1567.0	83.3	.2	3.3	.0150	.124	.123	1	49.88
294	.006	1.838	3	.0	5892.3	5892.3	1.000	140.2	1574.8	1567.0	83.3	.2	3.3	.0150	.123	.123	2	49.88
294	.006	1.838	3	.0	5892.3	5892.3	1.000	140.2	1574.8	1567.0	83.3	.2	3.3	.0150	.123	.124	3	49.88
294	.006	1.838	3	.0	5892.4	5892.4	1.000	140.2	1574.8	1567.0	83.3	.2	3.3	.0150	.124	.124	4	49.88
294	.006	1.838	3	.0	5892.4	5892.4	1.000	140.2	1574.8	1567.0	83.3	.2	3.3	.0150	.124	.124	5	49.88
295	.006	1.844	3	.0	5845.1	5845.1	1.000	140.5	1574.8	1567.0	83.5	.2	3.3	.0150	.124	.122	0	49.88
295	.006	1.844	3	.0	5845.0	5845.0	1.000	140.5	1574.8	1567.0	83.5	.2	3.3	.0150	.122	.122	1	49.88
295	.006	1.844	3	.0	5845.1	5845.1	1.000	140.5	1574.8	1567.0	83.5	.2	3.3	.0150	.122	.122	2	49.88
295	.006	1.844	3	.0	5845.1	5845.1	1.000	140.5	1574.8	1567.0	83.5	.2	3.3	.0150	.122	.123	3	49.88
295	.006	1.844	3	.0	5845.1	5845.1	1.000	140.5	1574.8	1567.0	83.5	.2	3.3	.0150	.123	.123	4	49.88
295	.006	1.844	3	.0	5845.1	5845.1	1.000	140.5	1574.8	1567.0	83.5	.2	3.3	.0150	.123	.123	5	49.88
296	.006	1.850	3	.0	5796.5	5796.5	1.000	140.7	1574.7	1567.0	83.7	.2	3.3	.0150	.123	.121	0	49.88
296	.006	1.850	3	.0	5796.6	5796.6	1.000	140.7	1574.7	1567.0	83.7	.2	3.3	.0150	.121	.121	1	49.88
296	.006	1.850	3	.0	5796.6	5796.6	1.000	140.7	1574.7	1567.0	83.7	.2	3.3	.0150	.121	.122	2	49.88
296	.006	1.850	3	.0	5796.7	5796.7	1.000	140.7	1574.7	1567.0	83.7	.2	3.3	.0150	.122	.122	3	49.88
296	.006	1.850	3	.0	5796.7	5796.7	1.000	140.7	1574.7	1567.0	83.7	.2	3.3	.0150	.122	.122	4	49.88
296	.006	1.850	3	.0	5796.7	5796.7	1.000	140.7	1574.7	1567.0	83.7	.2	3.3	.0150	.122	.122	5	49.88
297	.006	1.856	3	.0	5746.9	5746.9	1.000	140.9	1574.6	1567.0	84.0	.2	3.3	.0150	.122	.120	0	49.88
[illegible]	.006	1.856	3	.0	5746.9	5746.9	1.000	140.9	1574.6	1567.0	84.0	.2	3.2	.0150	.120	.121	1	49.88
[illegible]	.006	1.856	3	.0	5746.9	5746.9	1.000	140.9	1574.6	1567.0	84.0	.2	3.2	.0150	.121	.121	2	49.88
297	.006	1.856	3	.0	5746.9	5746.9	1.000	140.9	1574.6	1567.0	84.0	.2	3.2	.0150	.121	.121	3	49.88
297	.006	1.856	3	.0	5747.0	5747.0	1.000	140.9	1574.6	1567.0	84.0	.2	3.2	.0150	.121	.121	4	49.88
297	.006	1.856	3	.0	5747.0	5747.0	1.000	140.9	1574.6	1567.0	84.0	.2	3.2	.0150	.121	.120	5	49.88
298	.006	1.863	3	.0	5695.9	5695.9	1.000	141.2	1574.6	1567.0	84.2	.2	3.2	.0150	.121	.119	0	49.88
298	.006	1.863	3	.0	5695.8	5695.8	1.000	141.2	1574.6	1567.0	84.2	.2	3.2	.0150	.119	.120	1	49.88
298	.006	1.863	3	.0	5695.9	5695.9	1.000	141.2	1574.6	1567.0	84.2	.2	3.2	.0150	.120	.120	2	49.88
298	.006	1.863	3	.0	5695.9	5695.9	1.000	141.2	1574.6	1567.0	84.2	.2	3.2	.0150	.120	.119	3	49.88
298	.006	1.863	3	.0	5695.8	5695.8	1.000	141.2	1574.6	1567.0	84.2	.2	3.2	.0150	.119	.119	4	49.88
298	.006	1.863	3	.0	5695.8	5695.8	1.000	141.2	1574.6	1567.0	84.2	.2	3.2	.0150	.119	.119	5	49.88
299	.006	1.869	3	.0	5643.1	5643.1	1.000	141.4	1574.5	1567.0	84.5	.2	3.2	.0150	.119	.119	0	49.88
299	.006	1.869	3	.0	5643.4	5643.4	1.000	141.4	1574.5	1567.0	84.5	.2	3.2	.0150	.119	.119	1	49.88
299	.006	1.869	3	.0	5643.4	5643.4	1.000	141.4	1574.5	1567.0	84.5	.2	3.2	.0150	.119	.118	2	49.88
299	.006	1.869	3	.0	5643.3	5643.3	1.000	141.4	1574.5	1567.0	84.5	.2	3.2	.0150	.118	.118	3	49.88
299	.006	1.869	3	.0	5643.3	5643.3	1.000	141.4	1574.5	1567.0	84.5	.2	3.2	.0150	.118	.118	4	49.88
299	.006	1.869	3	.0	5643.3	5643.3	1.000	141.4	1574.5	1567.0	84.5	.2	3.2	.0150	.118	.118	5	49.88
300	.006	1.875	3	.0	5589.2	5589.2	1.000	141.7	1574.5	1567.0	84.7	.2	3.2	.0150	.118	.117	0	49.88

PROJECT TITLE : PIPING BREACH ANALYSIS

PROJECT NUMBER : S-22 SPOOK HILL FRS 6/27/1990

Step I	Time Step (hr) DTH	Elpse Time (hr) T	Fail Code KG	Spillway Outflow (cfs) QTS	Breach Outflow (cfs) QB	Total Outflow (cfs) QTOT	Sbmrg Crctn Factr SUB	Brech Top Width (ft) BT	Rsrvor W. S. Elev. (ft - MSL) HY	Breach Bottom Elev. (ft - MSL) HC	Brech Bottm Width (ft) BO	Breach Width Incres (ft) PPP	Breach Flow Depth (ft) HP	Brech Manig (n) CNN	Estmte Erosin Depth Incrse (ft) DH	Comput Erosin Depth Incrse (ft) DHH	Itrtn Count KIT	Brech Vrtcl Side Angle (deg) ALG
300	.006	1.875	3	.0	5589.2	5589.2	1.000	141.6	1574.5	1567.0	84.7	.2	3.2	.0150	.117	.117	1	49.88
300	.006	1.875	3	.0	5589.2	5589.2	1.000	141.6	1574.5	1567.0	84.7	.2	3.2	.0150	.117	.117	2	49.88
300	.006	1.875	3	.0	5589.2	5589.2	1.000	141.6	1574.5	1567.0	84.7	.2	3.2	.0150	.117	.117	3	49.88
300	.006	1.875	3	.0	5589.2	5589.2	1.000	141.6	1574.5	1567.0	84.7	.2	3.2	.0150	.117	.117	4	49.88
300	.006	1.875	3	.0	5589.3	5589.3	1.000	141.6	1574.5	1567.0	84.7	.2	3.2	.0150	.117	.118	5	49.88
301	.006	1.881	3	.0	5533.6	5533.6	1.000	141.9	1574.4	1567.0	84.9	.2	3.2	.0150	.117	.116	0	49.88
301	.006	1.881	3	.0	5533.6	5533.6	1.000	141.9	1574.4	1567.0	84.9	.2	3.1	.0150	.116	.116	1	49.88
301	.006	1.881	3	.0	5533.6	5533.6	1.000	141.9	1574.4	1567.0	84.9	.2	3.1	.0150	.116	.116	2	49.88
301	.006	1.881	3	.0	5533.6	5533.6	1.000	141.9	1574.4	1567.0	84.9	.2	3.1	.0150	.116	.116	3	49.88
301	.006	1.881	3	.0	5533.7	5533.7	1.000	141.9	1574.4	1567.0	84.9	.2	3.1	.0150	.116	.117	4	49.88
301	.006	1.881	3	.0	5533.7	5533.7	1.000	141.9	1574.4	1567.0	84.9	.2	3.2	.0150	.117	.116	5	49.88
302	.006	1.888	3	.0	5476.4	5476.4	1.000	142.1	1574.4	1567.0	85.2	.2	3.1	.0150	.117	.115	0	49.88
302	.006	1.888	3	.0	5476.3	5476.3	1.000	142.1	1574.4	1567.0	85.2	.2	3.1	.0150	.115	.115	1	49.88
302	.006	1.888	3	.0	5476.4	5476.4	1.000	142.1	1574.4	1567.0	85.2	.2	3.1	.0150	.115	.115	2	49.88
302	.006	1.888	3	.0	5476.4	5476.4	1.000	142.1	1574.4	1567.0	85.2	.2	3.1	.0150	.115	.114	3	49.88
[illegible]	.006	1.888	3	.0	5476.3	5476.3	1.000	142.1	1574.4	1567.0	85.2	.2	3.1	.0150	.114	.115	4	49.88
[illegible]	.006	1.888	3	.0	5476.3	5476.3	1.000	142.1	1574.4	1567.0	85.2	.2	3.1	.0150	.115	.115	5	49.88
303	.006	1.894	3	.0	5417.1	5417.1	1.000	142.3	1574.3	1567.0	85.4	.2	3.1	.0150	.115	.113	0	49.88
303	.006	1.894	3	.0	5417.0	5417.0	1.000	142.3	1574.3	1567.0	85.4	.2	3.1	.0150	.113	.113	1	49.88
303	.006	1.894	3	.0	5417.1	5417.1	1.000	142.3	1574.3	1567.0	85.4	.2	3.1	.0150	.113	.113	2	49.88
303	.006	1.894	3	.0	5417.1	5417.1	1.000	142.3	1574.3	1567.0	85.4	.2	3.1	.0150	.113	.114	3	49.88
303	.006	1.894	3	.0	5417.1	5417.1	1.000	142.3	1574.3	1567.0	85.4	.2	3.1	.0150	.114	.114	4	49.88
303	.006	1.894	3	.0	5417.1	5417.1	1.000	142.3	1574.3	1567.0	85.4	.2	3.1	.0150	.114	.114	5	49.88
304	.006	1.900	3	.0	5355.8	5355.8	1.000	142.6	1574.2	1567.0	85.6	.2	3.1	.0150	.114	.112	0	49.88
304	.006	1.900	3	.0	5355.9	5355.9	1.000	142.6	1574.2	1567.0	85.6	.2	3.1	.0150	.112	.112	1	49.88
304	.006	1.900	3	.0	5356.0	5356.0	1.000	142.6	1574.2	1567.0	85.6	.2	3.1	.0150	.112	.112	2	49.88
304	.006	1.900	3	.0	5356.0	5356.0	1.000	142.6	1574.2	1567.0	85.6	.2	3.1	.0150	.112	.113	3	49.88
304	.006	1.900	3	.0	5356.0	5356.0	1.000	142.6	1574.2	1567.0	85.6	.2	3.1	.0150	.113	.112	4	49.88
304	.006	1.900	3	.0	5355.9	5355.9	1.000	142.6	1574.2	1567.0	85.6	.2	3.1	.0150	.112	.112	5	49.88
305	.006	1.906	3	.0	5292.3	5292.3	1.000	142.8	1574.2	1567.0	85.8	.2	3.1	.0150	.112	.111	0	49.88
305	.006	1.906	3	.0	5292.6	5292.6	1.000	142.8	1574.2	1567.0	85.8	.2	3.0	.0150	.111	.110	1	49.88
305	.006	1.906	3	.0	5292.5	5292.5	1.000	142.8	1574.2	1567.0	85.8	.2	3.0	.0150	.110	.111	2	49.88
305	.006	1.906	3	.0	5292.5	5292.5	1.000	142.8	1574.2	1567.0	85.8	.2	3.0	.0150	.111	.111	3	49.88
305	.006	1.906	3	.0	5292.5	5292.5	1.000	142.8	1574.2	1567.0	85.8	.2	3.0	.0150	.111	.111	4	49.88
305	.006	1.906	3	.0	5292.5	5292.5	1.000	142.8	1574.2	1567.0	85.8	.2	3.0	.0150	.111	.111	5	49.88
306	.006	1.913	3	.0	5226.7	5226.7	1.000	143.0	1574.1	1567.0	86.1	.2	3.0	.0150	.111	.109	0	49.88
306	.006	1.913	3	.0	5226.8	5226.8	1.000	143.0	1574.1	1567.0	86.1	.2	3.0	.0150	.109	.110	1	49.88
306	.006	1.913	3	.0	5226.8	5226.8	1.000	143.0	1574.1	1567.0	86.1	.2	3.0	.0150	.110	.110	2	49.88
306	.006	1.913	3	.0	5226.8	5226.8	1.000	143.0	1574.1	1567.0	86.1	.2	3.0	.0150	.110	.110	3	49.88
306	.006	1.913	3	.0	5226.9	5226.9	1.000	143.0	1574.1	1567.0	86.1	.2	3.0	.0150	.110	.109	4	49.88
306	.006	1.913	3	.0	5226.8	5226.8	1.000	143.0	1574.1	1567.0	86.1	.2	3.0	.0150	.109	.109	5	49.88
[illegible]	.006	1.919	3	.0	5158.1	5158.1	1.000	143.2	1574.0	1567.0	86.3	.2	3.0	.0150	.109	.107	0	49.88
[illegible]	.006	1.919	3	.0	5158.2	5158.2	1.000	143.2	1574.0	1567.0	86.3	.2	3.0	.0150	.107	.108	1	49.88
307	.006	1.919	3	.0	5158.3	5158.3	1.000	143.2	1574.0	1567.0	86.3	.2	3.0	.0150	.108	.108	2	49.88
307	.006	1.919	3	.0	5158.3	5158.3	1.000	143.2	1574.0	1567.0	86.3	.2	3.0	.0150	.108	.108	3	49.88
307	.006	1.919	3	.0	5158.3	5158.3	1.000	143.2	1574.0	1567.0	86.3	.2	3.0	.0150	.108	.108	4	49.88

307	.006	1.919	3	.0	5158.3	5158.3	1.000	143.2	1574.0	1567.0	86.3	.2	3.0	.0150	.108	.108	5	49.88
308	.006	1.925	3	.0	5087.5	5087.5	1.000	143.4	1574.0	1567.0	86.5	.2	3.0	.0150	.108	.107	0	49.88
308	.006	1.925	3	.0	5087.7	5087.7	1.000	143.4	1574.0	1567.0	86.5	.2	3.0	.0150	.107	.107	1	49.88
[illegible]	.006	1.925	3	.0	5087.8	5087.8	1.000	143.4	1574.0	1567.0	86.5	.2	3.0	.0150	.107	.106	2	49.88
[illegible]	.006	1.925	3	.0	5087.7	5087.7	1.000	143.4	1574.0	1567.0	86.5	.2	2.9	.0150	.106	.106	3	49.88
308	.006	1.925	3	.0	5087.7	5087.7	1.000	143.4	1574.0	1567.0	86.5	.2	3.0	.0150	.106	.106	4	49.88
308	.006	1.925	3	.0	5087.7	5087.7	1.000	143.4	1574.0	1567.0	86.5	.2	3.0	.0150	.106	.106	5	49.88
309	.006	1.931	3	.0	5015.4	5015.4	1.000	143.6	1573.9	1567.0	86.7	.2	3.0	.0150	.106	.105	0	49.88
309	.006	1.931	3	.0	5015.7	5015.7	1.000	143.6	1573.9	1567.0	86.7	.2	2.9	.0150	.105	.105	1	49.88
309	.006	1.931	3	.0	5015.7	5015.7	1.000	143.6	1573.9	1567.0	86.7	.2	2.9	.0150	.105	.105	2	49.88
309	.006	1.931	3	.0	5015.7	5015.7	1.000	143.6	1573.9	1567.0	86.7	.2	2.9	.0150	.105	.105	3	49.88
309	.006	1.931	3	.0	5015.7	5015.7	1.000	143.6	1573.9	1567.0	86.7	.2	2.9	.0150	.105	.104	4	49.88
309	.006	1.931	3	.0	5015.6	5015.6	1.000	143.6	1573.9	1567.0	86.7	.2	2.9	.0150	.104	.105	5	49.88
310	.006	1.938	3	.0	4942.2	4942.2	1.000	143.8	1573.8	1567.0	86.9	.2	2.9	.0150	.104	.103	0	49.88
310	.006	1.938	3	.0	4942.5	4942.5	1.000	143.8	1573.8	1567.0	86.9	.2	2.9	.0150	.103	.103	1	49.88
310	.006	1.938	3	.0	4942.5	4942.5	1.000	143.8	1573.8	1567.0	86.9	.2	2.9	.0150	.103	.103	2	49.88
310	.006	1.938	3	.0	4942.5	4942.5	1.000	143.8	1573.8	1567.0	86.9	.2	2.9	.0150	.103	.104	3	49.88
310	.006	1.938	3	.0	4942.6	4942.6	1.000	143.8	1573.8	1567.0	86.9	.2	2.9	.0150	.104	.104	4	49.88
310	.006	1.938	3	.0	4942.6	4942.6	1.000	143.8	1573.8	1567.0	86.9	.2	2.9	.0150	.104	.104	5	49.88
311	.006	1.944	3	.0	4868.2	4868.2	1.000	144.1	1573.7	1567.0	87.1	.2	2.9	.0150	.104	.102	0	49.88
311	.006	1.944	3	.0	4868.4	4868.4	1.000	144.1	1573.7	1567.0	87.1	.2	2.9	.0150	.102	.101	1	49.88
311	.006	1.944	3	.0	4868.3	4868.3	1.000	144.1	1573.7	1567.0	87.1	.2	2.9	.0150	.101	.102	2	49.88
311	.006	1.944	3	.0	4868.4	4868.4	1.000	144.1	1573.7	1567.0	87.1	.2	2.9	.0150	.102	.102	3	49.88
311	.006	1.944	3	.0	4868.4	4868.4	1.000	144.1	1573.7	1567.0	87.1	.2	2.9	.0150	.102	.102	4	49.88
311	.006	1.944	3	.0	4868.4	4868.4	1.000	144.1	1573.7	1567.0	87.1	.2	2.9	.0150	.102	.102	5	49.88
312	.006	1.950	3	.0	4792.8	4792.8	1.000	144.3	1573.7	1567.0	87.3	.2	2.9	.0150	.102	.100	0	49.88
312	.006	1.950	3	.0	4793.0	4793.0	1.000	144.3	1573.7	1567.0	87.3	.2	2.8	.0150	.100	.101	1	49.88
312	.006	1.950	3	.0	4793.0	4793.0	1.000	144.3	1573.7	1567.0	87.3	.2	2.8	.0150	.101	.100	2	49.88
312	.006	1.950	3	.0	4793.0	4793.0	1.000	144.3	1573.7	1567.0	87.3	.2	2.8	.0150	.100	.100	3	49.88
[illegible]	.006	1.950	3	.0	4793.0	4793.0	1.000	144.3	1573.7	1567.0	87.3	.2	2.8	.0150	.100	.100	4	49.88
[illegible]	.006	1.950	3	.0	4793.0	4793.0	1.000	144.3	1573.7	1567.0	87.3	.2	2.8	.0150	.100	.100	5	49.88
313	.006	1.956	3	.0	4716.1	4716.1	1.000	144.5	1573.6	1567.0	87.5	.2	2.8	.0150	.100	.099	0	49.88
313	.006	1.956	3	.0	4716.3	4716.3	1.000	144.4	1573.6	1567.0	87.5	.2	2.8	.0150	.099	.099	1	49.88
313	.006	1.956	3	.0	4716.3	4716.3	1.000	144.4	1573.6	1567.0	87.5	.2	2.8	.0150	.099	.099	2	49.88
313	.006	1.956	3	.0	4716.4	4716.4	1.000	144.4	1573.6	1567.0	87.5	.2	2.8	.0150	.099	.098	3	49.88
313	.006	1.956	3	.0	4716.3	4716.3	1.000	144.4	1573.6	1567.0	87.5	.2	2.8	.0150	.098	.098	4	49.88
313	.006	1.956	3	.0	4716.3	4716.3	1.000	144.4	1573.6	1567.0	87.5	.2	2.8	.0150	.098	.098	5	49.88
314	.006	1.963	3	.0	4638.1	4638.1	1.000	144.6	1573.5	1567.0	87.7	.2	2.8	.0150	.098	.097	0	49.88
314	.006	1.963	3	.0	4638.3	4638.3	1.000	144.6	1573.5	1567.0	87.7	.2	2.8	.0150	.097	.097	1	49.88
314	.006	1.963	3	.0	4638.4	4638.4	1.000	144.6	1573.5	1567.0	87.7	.2	2.8	.0150	.097	.097	2	49.88
314	.006	1.963	3	.0	4638.4	4638.4	1.000	144.6	1573.5	1567.0	87.7	.2	2.8	.0150	.097	.097	3	49.88
314	.006	1.963	3	.0	4638.4	4638.4	1.000	144.6	1573.5	1567.0	87.7	.2	2.8	.0150	.097	.097	4	49.88
314	.006	1.963	3	.0	4638.3	4638.3	1.000	144.6	1573.5	1567.0	87.7	.2	2.8	.0150	.097	.097	5	49.88
315	.006	1.969	3	.0	4558.6	4558.6	1.000	144.8	1573.4	1567.0	87.9	.2	2.8	.0150	.097	.095	0	49.88
315	.006	1.969	3	.0	4559.0	4559.0	1.000	144.8	1573.4	1567.0	87.9	.2	2.7	.0150	.095	.095	1	49.88
315	.006	1.969	3	.0	4559.0	4559.0	1.000	144.8	1573.4	1567.0	87.9	.2	2.7	.0150	.095	.096	2	49.88
315	.006	1.969	3	.0	4559.0	4559.0	1.000	144.8	1573.4	1567.0	87.9	.2	2.7	.0150	.096	.096	3	49.88
315	.006	1.969	3	.0	4559.0	4559.0	1.000	144.8	1573.4	1567.0	87.9	.2	2.7	.0150	.096	.095	4	49.88
315	.006	1.969	3	.0	4559.0	4559.0	1.000	144.8	1573.4	1567.0	87.9	.2	2.7	.0150	.095	.095	5	49.88
316	.006	1.975	3	.0	4477.6	4477.6	1.000	145.0	1573.3	1567.0	88.1	.2	2.7	.0150	.095	.094	0	49.88
316	.006	1.975	3	.0	4478.0	4478.0	1.000	145.0	1573.3	1567.0	88.1	.2	2.7	.0150	.094	.094	1	49.88
316	.006	1.975	3	.0	4478.1	4478.1	1.000	145.0	1573.3	1567.0	88.1	.2	2.7	.0150	.094	.094	2	49.88
316	.006	1.975	3	.0	4478.1	4478.1	1.000	145.0	1573.3	1567.0	88.1	.2	2.7	.0150	.094	.094	3	49.88
316	.006	1.975	3	.0	4478.1	4478.1	1.000	145.0	1573.3	1567.0	88.1	.2	2.7	.0150	.094	.093	4	49.88
316	.006	1.975	3	.0	4478.0	4478.0	1.000	145.0	1573.3	1567.0	88.1	.2	2.7	.0150	.093	.093	5	49.88
[illegible]	.006	1.981	3	.0	4395.0	4395.0	1.000	145.2	1573.3	1567.0	88.3	.2	2.7	.0150	.093	.092	0	49.88
[illegible]	.006	1.981	3	.0	4395.4	4395.4	1.000	145.2	1573.3	1567.0	88.3	.2	2.7	.0150	.092	.092	1	49.88
317	.006	1.981	3	.0	4395.4	4395.4	1.000	145.2	1573.3	1567.0	88.3	.2	2.7	.0150	.092	.092	2	49.88
317	.006	1.981	3	.0	4395.4	4395.4	1.000	145.2	1573.3	1567.0	88.3	.2	2.7	.0150	.092	.091	3	49.88
317	.006	1.981	3	.0	4395.4	4395.4	1.000	145.2	1573.3	1567.0	88.2	.2	2.7	.0150	.091	.092	4	49.88

317	.006	1.981	3	.0	4395.4	4395.4	1.000	145.2	1573.3	1567.0	88.2	.2	2.7	.0150	.092	.092	5 49.88
318	.006	1.988	3	.0	4310.3	4310.3	1.000	145.4	1573.2	1567.0	88.4	.2	2.7	.0150	.092	.090	0 49.88
318	.006	1.988	3	.0	4310.9	4310.9	1.000	145.4	1573.2	1567.0	88.4	.2	2.6	.0150	.090	.090	1 49.88
[illegible]	.006	1.988	3	.0	4310.9	4310.9	1.000	145.4	1573.2	1567.0	88.4	.2	2.6	.0150	.090	.090	2 49.88
[illegible]	.006	1.988	3	.0	4310.8	4310.8	1.000	145.4	1573.2	1567.0	88.4	.2	2.6	.0150	.090	.090	3 49.88
318	.006	1.988	3	.0	4310.8	4310.8	1.000	145.4	1573.2	1567.0	88.4	.2	2.6	.0150	.090	.090	4 49.88
318	.006	1.988	3	.0	4310.8	4310.8	1.000	145.4	1573.2	1567.0	88.4	.2	2.6	.0150	.090	.090	5 49.88
319	.006	1.994	3	.0	4223.8	4223.8	1.000	145.6	1573.1	1567.0	88.6	.2	2.6	.0150	.090	.088	0 49.88
319	.006	1.994	3	.0	4224.2	4224.2	1.000	145.6	1573.1	1567.0	88.6	.2	2.6	.0150	.088	.088	1 49.88
319	.006	1.994	3	.0	4224.2	4224.2	1.000	145.6	1573.1	1567.0	88.6	.2	2.6	.0150	.088	.088	2 49.88
319	.006	1.994	3	.0	4224.2	4224.2	1.000	145.6	1573.1	1567.0	88.6	.2	2.6	.0150	.088	.088	3 49.88
319	.006	1.994	3	.0	4224.2	4224.2	1.000	145.6	1573.1	1567.0	88.6	.2	2.6	.0150	.088	.088	4 49.88
319	.006	1.994	3	.0	4224.2	4224.2	1.000	145.6	1573.1	1567.0	88.6	.2	2.6	.0150	.088	.088	5 49.88
320	.006	2.000	3	.0	4134.7	4134.7	1.000	145.7	1573.0	1567.0	88.8	.2	2.6	.0150	.088	.086	0 49.88
320	.006	2.000	3	.0	4135.2	4135.2	1.000	145.7	1573.0	1567.0	88.8	.2	2.6	.0150	.086	.086	1 49.88
320	.006	2.000	3	.0	4135.2	4135.2	1.000	145.7	1573.0	1567.0	88.8	.2	2.6	.0150	.086	.086	2 49.88
320	.006	2.000	3	.0	4135.2	4135.2	1.000	145.7	1573.0	1567.0	88.8	.2	2.6	.0150	.086	.087	3 49.88
320	.006	2.000	3	.0	4135.2	4135.2	1.000	145.7	1573.0	1567.0	88.8	.2	2.6	.0150	.087	.086	4 49.88
320	.006	2.000	3	.0	4135.2	4135.2	1.000	145.7	1573.0	1567.0	88.8	.2	2.6	.0150	.086	.086	5 49.88
321	.006	2.006	3	.0	4043.0	4043.0	1.000	145.9	1572.9	1567.0	88.9	.2	2.6	.0150	.086	.085	0 49.88
321	.006	2.006	3	.0	4043.6	4043.6	1.000	145.9	1572.9	1567.0	88.9	.2	2.5	.0150	.085	.084	1 49.88
321	.006	2.006	3	.0	4043.5	4043.5	1.000	145.9	1572.9	1567.0	88.9	.2	2.5	.0150	.084	.084	2 49.88
321	.006	2.006	3	.0	4043.5	4043.5	1.000	145.9	1572.9	1567.0	88.9	.2	2.5	.0150	.084	.084	3 49.88
321	.006	2.006	3	.0	4043.5	4043.5	1.000	145.9	1572.9	1567.0	88.9	.2	2.5	.0150	.084	.084	4 49.88
321	.006	2.006	3	.0	4043.5	4043.5	1.000	145.9	1572.9	1567.0	88.9	.2	2.5	.0150	.084	.084	5 49.88
322	.006	2.013	3	.0	3948.2	3948.2	1.000	146.1	1572.8	1567.0	89.1	.2	2.5	.0150	.084	.082	0 49.88
322	.006	2.013	3	.0	3948.7	3948.7	1.000	146.1	1572.8	1567.0	89.1	.2	2.5	.0150	.082	.082	1 49.88
322	.006	2.013	3	.0	3948.8	3948.8	1.000	146.1	1572.8	1567.0	89.1	.2	2.5	.0150	.082	.083	2 49.88
322	.006	2.013	3	.0	3948.8	3948.8	1.000	146.1	1572.8	1567.0	89.1	.2	2.5	.0150	.083	.083	3 49.88
[illegible]	.006	2.013	3	.0	3948.9	3948.9	1.000	146.1	1572.8	1567.0	89.1	.2	2.5	.0150	.083	.082	4 49.88
[illegible]	.006	2.013	3	.0	3948.8	3948.8	1.000	146.1	1572.8	1567.0	89.1	.2	2.5	.0150	.082	.082	5 49.88
323	.006	2.019	3	.0	3849.6	3849.6	1.000	146.2	1572.7	1567.0	89.3	.2	2.5	.0150	.082	.080	0 49.88
323	.006	2.019	3	.0	3850.2	3850.2	1.000	146.2	1572.7	1567.0	89.3	.2	2.5	.0150	.080	.080	1 49.88
323	.006	2.019	3	.0	3850.3	3850.3	1.000	146.2	1572.7	1567.0	89.3	.2	2.5	.0150	.080	.080	2 49.88
323	.006	2.019	3	.0	3850.3	3850.3	1.000	146.2	1572.7	1567.0	89.3	.2	2.5	.0150	.080	.080	3 49.88
323	.006	2.019	3	.0	3850.3	3850.3	1.000	146.2	1572.7	1567.0	89.3	.2	2.5	.0150	.080	.080	4 49.88
323	.006	2.019	3	.0	3850.3	3850.3	1.000	146.2	1572.7	1567.0	89.3	.2	2.5	.0150	.080	.080	5 49.88
324	.006	2.025	3	.0	3746.5	3746.5	1.000	146.4	1572.6	1567.0	89.4	.2	2.4	.0150	.080	.078	0 49.88
324	.006	2.025	3	.0	3747.2	3747.2	1.000	146.4	1572.6	1567.0	89.4	.2	2.4	.0150	.078	.078	1 49.88
324	.006	2.025	3	.0	3747.3	3747.3	1.000	146.4	1572.6	1567.0	89.4	.2	2.4	.0150	.078	.078	2 49.88
324	.006	2.025	3	.0	3747.3	3747.3	1.000	146.4	1572.6	1567.0	89.4	.2	2.4	.0150	.078	.078	3 49.88
324	.006	2.025	3	.0	3747.4	3747.4	1.000	146.4	1572.6	1567.0	89.4	.2	2.4	.0150	.078	.078	4 49.88
324	.006	2.025	3	.0	3747.4	3747.4	1.000	146.4	1572.6	1567.0	89.4	.2	2.4	.0150	.078	.078	5 49.88
325	.006	2.031	3	.0	3637.8	3637.8	1.000	146.5	1572.5	1567.0	89.6	.2	2.4	.0150	.078	.076	0 49.88
325	.006	2.031	3	.0	3638.6	3638.6	1.000	146.5	1572.5	1567.0	89.6	.2	2.4	.0150	.076	.076	1 49.88
325	.006	2.031	3	.0	3638.7	3638.7	1.000	146.5	1572.5	1567.0	89.6	.2	2.4	.0150	.076	.076	2 49.88
325	.006	2.031	3	.0	3638.8	3638.8	1.000	146.5	1572.5	1567.0	89.6	.2	2.4	.0150	.076	.076	3 49.88
325	.006	2.031	3	.0	3638.8	3638.8	1.000	146.5	1572.5	1567.0	89.6	.2	2.4	.0150	.076	.076	4 49.88
325	.006	2.031	3	.0	3638.8	3638.8	1.000	146.5	1572.5	1567.0	89.6	.2	2.4	.0150	.076	.075	5 49.88
326	.006	2.038	3	.0	3521.7	3521.7	1.000	146.7	1572.4	1567.0	89.7	.2	2.4	.0150	.076	.073	0 49.88
326	.006	2.038	3	.0	3522.7	3522.7	1.000	146.7	1572.4	1567.0	89.7	.1	2.3	.0150	.073	.074	1 49.88
326	.006	2.038	3	.0	3522.8	3522.8	1.000	146.7	1572.4	1567.0	89.7	.1	2.3	.0150	.074	.073	2 49.88
326	.006	2.038	3	.0	3522.7	3522.7	1.000	146.7	1572.4	1567.0	89.7	.1	2.3	.0150	.073	.073	3 49.88
326	.006	2.038	3	.0	3522.7	3522.7	1.000	146.7	1572.4	1567.0	89.7	.1	2.3	.0150	.073	.073	4 49.88
326	.006	2.038	3	.0	3522.8	3522.8	1.000	146.7	1572.4	1567.0	89.7	.1	2.3	.0150	.073	.073	5 49.88
[illegible]	.006	2.044	3	.0	3395.2	3395.2	1.000	146.8	1572.2	1567.0	89.9	.1	2.3	.0150	.073	.071	0 49.88
[illegible]	.006	2.044	3	.0	3396.3	3396.3	1.000	146.8	1572.2	1567.0	89.9	.1	2.3	.0150	.071	.071	1 49.88
327	.006	2.044	3	.0	3396.5	3396.5	1.000	146.8	1572.2	1567.0	89.9	.1	2.3	.0150	.071	.071	2 49.88
327	.006	2.044	3	.0	3396.5	3396.5	1.000	146.8	1572.2	1567.0	89.9	.1	2.3	.0150	.071	.070	3 49.88
327	.006	2.044	3	.0	3396.4	3396.4	1.000	146.8	1572.2	1567.0	89.9	.1	2.3	.0150	.070	.070	4 49.88

327	.006	2.044	3	.0	3396.5	3396.5	1.000	146.8	1572.2	1567.0	89.9	.1	2.3	.0150	.070	.071	5 49.88
328	.006	2.050	3	.0	3252.9	3252.9	1.000	147.0	1572.1	1567.0	90.0	.1	2.3	.0150	.070	.067	0 49.88
328	.006	2.050	3	.0	3254.3	3254.3	1.000	147.0	1572.1	1567.0	90.0	.1	2.2	.0150	.067	.067	1 49.88
[illegible]	.006	2.050	3	.0	3254.4	3254.4	1.000	147.0	1572.1	1567.0	90.0	.1	2.2	.0150	.067	.067	2 49.88
[illegible]	.006	2.050	3	.0	3254.4	3254.4	1.000	147.0	1572.1	1567.0	90.0	.1	2.2	.0150	.067	.068	3 49.88
328	.006	2.050	3	.0	3254.4	3254.4	1.000	147.0	1572.1	1567.0	90.0	.1	2.2	.0150	.068	.068	4 49.88
328	.006	2.050	3	.0	3254.4	3254.4	1.000	147.0	1572.1	1567.0	90.0	.1	2.2	.0150	.068	.068	5 49.88
329	.006	2.056	3	.0	3091.7	3091.7	1.000	147.1	1571.9	1567.0	90.1	.1	2.2	.0150	.068	.064	0 49.88
329	.006	2.056	3	.0	3094.3	3094.3	1.000	147.1	1571.9	1567.0	90.1	.1	2.1	.0150	.064	.064	1 49.88
329	.006	2.056	3	.0	3094.5	3094.5	1.000	147.1	1571.9	1567.0	90.1	.1	2.1	.0150	.064	.064	2 49.88
329	.006	2.056	3	.0	3094.5	3094.5	1.000	147.1	1571.9	1567.0	90.1	.1	2.1	.0150	.064	.064	3 49.88
329	.006	2.056	3	.0	3094.5	3094.5	1.000	147.1	1571.9	1567.0	90.1	.1	2.1	.0150	.064	.064	4 49.88
329	.006	2.056	3	.0	3094.5	3094.5	1.000	147.1	1571.9	1567.0	90.1	.1	2.1	.0150	.064	.064	5 49.88
330	.006	2.063	3	.0	2923.6	2923.6	1.000	147.2	1571.7	1567.0	90.3	.1	2.1	.0150	.064	.060	0 49.88
330	.006	2.063	3	.0	2926.9	2926.9	1.000	147.2	1571.7	1567.0	90.3	.1	2.1	.0150	.060	.060	1 49.88
330	.006	2.063	3	.0	2927.1	2927.1	1.000	147.2	1571.7	1567.0	90.3	.1	2.1	.0150	.060	.061	2 49.88
330	.006	2.063	3	.0	2927.1	2927.1	1.000	147.2	1571.7	1567.0	90.3	.1	2.1	.0150	.061	.061	3 49.88
330	.006	2.063	3	.0	2927.1	2927.1	1.000	147.2	1571.7	1567.0	90.3	.1	2.1	.0150	.061	.061	4 49.88
330	.006	2.063	3	.0	2927.1	2927.1	1.000	147.2	1571.7	1567.0	90.3	.1	2.1	.0150	.061	.061	5 49.88
331	.006	2.069	3	.0	2757.6	2757.6	1.000	147.3	1571.6	1567.0	90.4	.1	2.1	.0150	.061	.057	0 49.88
331	.006	2.069	3	.0	2760.8	2760.8	1.000	147.3	1571.6	1567.0	90.4	.1	2.0	.0150	.057	.057	1 49.88
331	.006	2.069	3	.0	2760.9	2760.9	1.000	147.3	1571.6	1567.0	90.4	.1	2.0	.0150	.057	.057	2 49.88
331	.006	2.069	3	.0	2760.9	2760.9	1.000	147.3	1571.6	1567.0	90.4	.1	2.0	.0150	.057	.057	3 49.88
331	.006	2.069	3	.0	2760.9	2760.9	1.000	147.3	1571.6	1567.0	90.4	.1	2.0	.0150	.057	.057	4 49.88
331	.006	2.069	3	.0	2760.9	2760.9	1.000	147.3	1571.6	1567.0	90.4	.1	2.0	.0150	.057	.057	5 49.88
332	.006	2.075	3	.0	2592.5	2592.5	1.000	147.4	1571.4	1567.0	90.5	.1	2.0	.0150	.057	.053	0 49.88
332	.006	2.075	3	.0	2595.9	2595.9	1.000	147.4	1571.4	1567.0	90.5	.1	1.9	.0150	.053	.054	1 49.88
332	.006	2.075	3	.0	2596.0	2596.0	1.000	147.4	1571.4	1567.0	90.5	.1	1.9	.0150	.054	.054	2 49.88
332	.006	2.075	3	.0	2596.0	2596.0	1.000	147.4	1571.4	1567.0	90.5	.1	1.9	.0150	.054	.054	3 49.88
[illegible]	.006	2.075	3	.0	2596.0	2596.0	1.000	147.4	1571.4	1567.0	90.5	.1	1.9	.0150	.054	.054	4 49.88
[illegible]	.006	2.075	3	.0	2596.0	2596.0	1.000	147.4	1571.4	1567.0	90.5	.1	1.9	.0150	.054	.053	5 49.88
333	.006	2.081	3	.0	2427.8	2427.8	1.000	147.5	1571.2	1567.0	90.6	.1	1.9	.0150	.054	.050	0 49.88
333	.006	2.081	3	.0	2431.6	2431.6	1.000	147.5	1571.2	1567.0	90.6	.1	1.8	.0150	.050	.050	1 49.88
333	.006	2.081	3	.0	2431.7	2431.7	1.000	147.5	1571.2	1567.0	90.6	.1	1.8	.0150	.050	.050	2 49.88
333	.006	2.081	3	.0	2431.7	2431.7	1.000	147.5	1571.2	1567.0	90.6	.1	1.8	.0150	.050	.050	3 49.88
333	.006	2.081	3	.0	2431.7	2431.7	1.000	147.5	1571.2	1567.0	90.6	.1	1.8	.0150	.050	.050	4 49.88
333	.006	2.081	3	.0	2431.7	2431.7	1.000	147.5	1571.2	1567.0	90.6	.1	1.8	.0150	.050	.050	5 49.88
334	.006	2.088	3	.0	2262.6	2262.6	1.000	147.6	1571.0	1567.0	90.7	.1	1.8	.0150	.050	.046	0 49.88
334	.006	2.088	3	.0	2266.8	2266.8	1.000	147.6	1571.0	1567.0	90.7	.1	1.8	.0150	.046	.047	1 49.88
334	.006	2.088	3	.0	2267.0	2267.0	1.000	147.6	1571.0	1567.0	90.7	.1	1.8	.0150	.047	.047	2 49.88
334	.006	2.088	3	.0	2267.0	2267.0	1.000	147.6	1571.0	1567.0	90.7	.1	1.8	.0150	.047	.047	3 49.88
334	.006	2.088	3	.0	2267.0	2267.0	1.000	147.6	1571.0	1567.0	90.7	.1	1.8	.0150	.047	.047	4 49.88
334	.006	2.088	3	.0	2267.0	2267.0	1.000	147.6	1571.0	1567.0	90.7	.1	1.8	.0150	.047	.047	5 49.88
335	.006	2.094	3	.0	2095.6	2095.6	1.000	147.7	1570.8	1567.0	90.8	.1	1.8	.0150	.047	.043	0 49.88
335	.006	2.094	3	.0	2100.3	2100.3	1.000	147.7	1570.8	1567.0	90.8	.1	1.7	.0150	.043	.043	1 49.88
335	.006	2.094	3	.0	2100.6	2100.6	1.000	147.7	1570.8	1567.0	90.8	.1	1.7	.0150	.043	.043	2 49.88
335	.006	2.094	3	.0	2100.6	2100.6	1.000	147.7	1570.8	1567.0	90.8	.1	1.7	.0150	.043	.043	3 49.88
335	.006	2.094	3	.0	2100.6	2100.6	1.000	147.7	1570.8	1567.0	90.8	.1	1.7	.0150	.043	.044	4 49.88
335	.006	2.094	3	.0	2100.6	2100.6	1.000	147.7	1570.8	1567.0	90.8	.1	1.7	.0150	.044	.043	5 49.88
336	.006	2.100	3	.0	1923.6	1923.6	1.000	147.8	1570.6	1567.0	90.8	.1	1.7	.0150	.044	.039	0 49.88
336	.006	2.100	3	.0	1929.1	1929.1	1.000	147.8	1570.6	1567.0	90.8	.1	1.6	.0150	.039	.040	1 49.88
336	.006	2.100	3	.0	1929.6	1929.6	1.000	147.8	1570.6	1567.0	90.8	.1	1.6	.0150	.040	.040	2 49.88
336	.006	2.100	3	.0	1929.6	1929.6	1.000	147.8	1570.6	1567.0	90.8	.1	1.6	.0150	.040	.039	3 49.88
336	.006	2.100	3	.0	1929.6	1929.6	1.000	147.8	1570.6	1567.0	90.8	.1	1.6	.0150	.039	.039	4 49.88
336	.006	2.100	3	.0	1929.6	1929.6	1.000	147.8	1570.6	1567.0	90.8	.1	1.6	.0150	.039	.039	5 49.88
[illegible]	.006	2.106	3	.0	1740.7	1740.7	1.000	147.9	1570.4	1567.0	90.9	.1	1.6	.0150	.039	.035	0 49.88
[illegible]	.006	2.106	3	.0	1747.4	1747.4	1.000	147.9	1570.4	1567.0	90.9	.1	1.5	.0150	.035	.036	1 49.88
337	.006	2.106	3	.0	1748.2	1748.2	1.000	147.9	1570.4	1567.0	90.9	.1	1.5	.0150	.036	.036	2 49.88
337	.006	2.106	3	.0	1748.3	1748.3	1.000	147.9	1570.4	1567.0	90.9	.1	1.5	.0150	.036	.036	3 49.88
337	.006	2.106	3	.0	1748.3	1748.3	1.000	147.9	1570.4	1567.0	90.9	.1	1.5	.0150	.036	.035	4 49.88

337	.006	2.106	3	.0	1748.3	1748.3	1.000	147.9	1570.4	1567.0	90.9	.1	1.5	.0150	.035	.036	5 49.88
338	.006	2.113	3	.0	1526.8	1526.8	1.000	147.9	1570.1	1567.0	91.0	.1	1.5	.0150	.035	.031	0 49.88
338	.006	2.113	3	.0	1533.0	1533.0	1.000	147.9	1570.1	1567.0	91.0	.1	1.4	.0150	.031	.031	1 49.88
[illegible]	.006	2.113	3	.0	1534.8	1534.8	1.000	147.9	1570.1	1567.0	91.0	.1	1.4	.0150	.031	.031	2 49.88
[illegible]	.006	2.113	3	.0	1535.4	1535.4	1.000	147.9	1570.1	1567.0	91.0	.1	1.4	.0150	.031	.031	3 49.88
338	.006	2.113	3	.0	1535.5	1535.5	1.000	147.9	1570.1	1567.0	91.0	.1	1.4	.0150	.031	.031	4 49.88
338	.006	2.113	3	.0	1535.5	1535.5	1.000	147.9	1570.1	1567.0	91.0	.1	1.4	.0150	.031	.031	5 49.88
339	.006	2.119	3	.0	1280.2	1280.2	1.000	148.0	1569.8	1567.0	91.0	.1	1.4	.0150	.031	.026	0 49.88
339	.006	2.119	3	.0	1305.6	1305.6	1.000	148.0	1569.8	1567.0	91.0	.1	1.3	.0150	.026	.027	1 49.88
339	.006	2.119	3	.0	1304.6	1304.6	1.000	148.0	1569.8	1567.0	91.0	.1	1.3	.0150	.027	.027	2 49.88
339	.006	2.119	3	.0	1304.7	1304.7	1.000	148.0	1569.8	1567.0	91.0	.1	1.3	.0150	.027	.026	3 49.88
339	.006	2.119	3	.0	1304.6	1304.6	1.000	148.0	1569.8	1567.0	91.0	.1	1.3	.0150	.026	.026	4 49.88
339	.006	2.119	3	.0	1304.7	1304.7	1.000	148.0	1569.8	1567.0	91.0	.1	1.3	.0150	.026	.026	5 49.88
340	.006	2.125	3	.0	1096.5	1096.5	1.000	148.0	1569.5	1567.0	91.1	.1	1.3	.0150	.026	.022	0 49.88
340	.006	2.125	3	.0	1119.0	1119.0	1.000	148.0	1569.5	1567.0	91.1	.0	1.1	.0150	.022	.022	1 49.88
340	.006	2.125	3	.0	1117.7	1117.7	1.000	148.0	1569.5	1567.0	91.1	.0	1.2	.0150	.022	.022	2 49.88
340	.006	2.125	3	.0	1117.7	1117.7	1.000	148.0	1569.5	1567.0	91.1	.0	1.2	.0150	.022	.022	3 49.88
340	.006	2.125	3	.0	1117.7	1117.7	1.000	148.0	1569.5	1567.0	91.1	.0	1.1	.0150	.022	.023	4 49.88
340	.006	2.125	3	.0	1117.7	1117.7	1.000	148.0	1569.5	1567.0	91.1	.0	1.2	.0150	.023	.023	5 49.88
341	.006	2.131	3	.0	986.1	986.1	1.000	148.1	1569.3	1567.0	91.1	.0	1.2	.0150	.023	.020	0 49.88
341	.006	2.131	3	.0	999.7	999.7	1.000	148.1	1569.3	1567.0	91.1	.0	1.1	.0150	.020	.020	1 49.88
341	.006	2.131	3	.0	998.6	998.6	1.000	148.1	1569.3	1567.0	91.1	.0	1.1	.0150	.020	.020	2 49.88
341	.006	2.131	3	.0	998.7	998.7	1.000	148.1	1569.3	1567.0	91.1	.0	1.1	.0150	.020	.020	3 49.88
341	.006	2.131	3	.0	998.7	998.7	1.000	148.1	1569.3	1567.0	91.1	.0	1.1	.0150	.020	.020	4 49.88
341	.006	2.131	3	.0	998.7	998.7	1.000	148.1	1569.3	1567.0	91.1	.0	1.1	.0150	.020	.020	5 49.88
342	.006	2.138	3	.0	921.9	921.9	1.000	148.1	1569.2	1567.0	91.1	.0	1.1	.0150	.020	.018	0 49.88
342	.006	2.138	3	.0	930.0	930.0	1.000	148.1	1569.2	1567.0	91.1	.0	1.0	.0150	.018	.019	1 49.88
342	.006	2.138	3	.0	929.2	929.2	1.000	148.1	1569.2	1567.0	91.1	.0	1.0	.0150	.019	.019	2 49.88
342	.006	2.138	3	.0	929.3	929.3	1.000	148.1	1569.2	1567.0	91.1	.0	1.0	.0150	.019	.018	3 49.88
[illegible]	.006	2.138	3	.0	929.3	929.3	1.000	148.1	1569.2	1567.0	91.1	.0	1.0	.0150	.018	.018	4 49.88
[illegible]	.006	2.138	3	.0	929.3	929.3	1.000	148.1	1569.2	1567.0	91.1	.0	1.0	.0150	.018	.019	5 49.88

SUMMARY OF OUTPUT RESULTS :

GENERAL RESULTS :

Total Number of Iterations	0
Time of Breach Failure (hr, TFHI)	1.12
Total Time-Steps Used (I)	342
Total Elapsed Time (hr, T)	2.138
Outflow Hydrograph Rising Limb Duration (hr, TRS)	1.000
Time at which Significant Rise in Outflow Begins (hr, TB)	.000
Dam Top Elevation (ft MSL, HU)	1591.00
Outflow at Time Zero (cfs, QO)	.0
Simplified Time of Breach Failure (hr, TFH)	1.437

TFH - Time of failure (hr) which is a linear equivalent of the outflow hydrograph rising limb duration (TRS) obtained by using the simplified dam-break discharge equation.

TFHI - Time of failure (hr) which is a linear equivalent of the outflow hydrograph rising limb duration (TRS) obtained by integrating breach outflow (QB) versus time from T=0 to T=Peak Outflow (TP).

OUTPUT RESULTS AT TIME OF PEAK OUTFLOW :

Elapsed Time (hr, TP)	1.006
Spillway Outflow (cfs)	619.
Breach Outflow (cfs, QBP)	9964.
Total Outflow (cfs, QP)	10583.
Breach Top Width (ft, BRW)	95.8
Breach Bottom Width (ft, BO)	38.9
Breach Side Slope Relative to Vertical (degrees, Z)	49.87

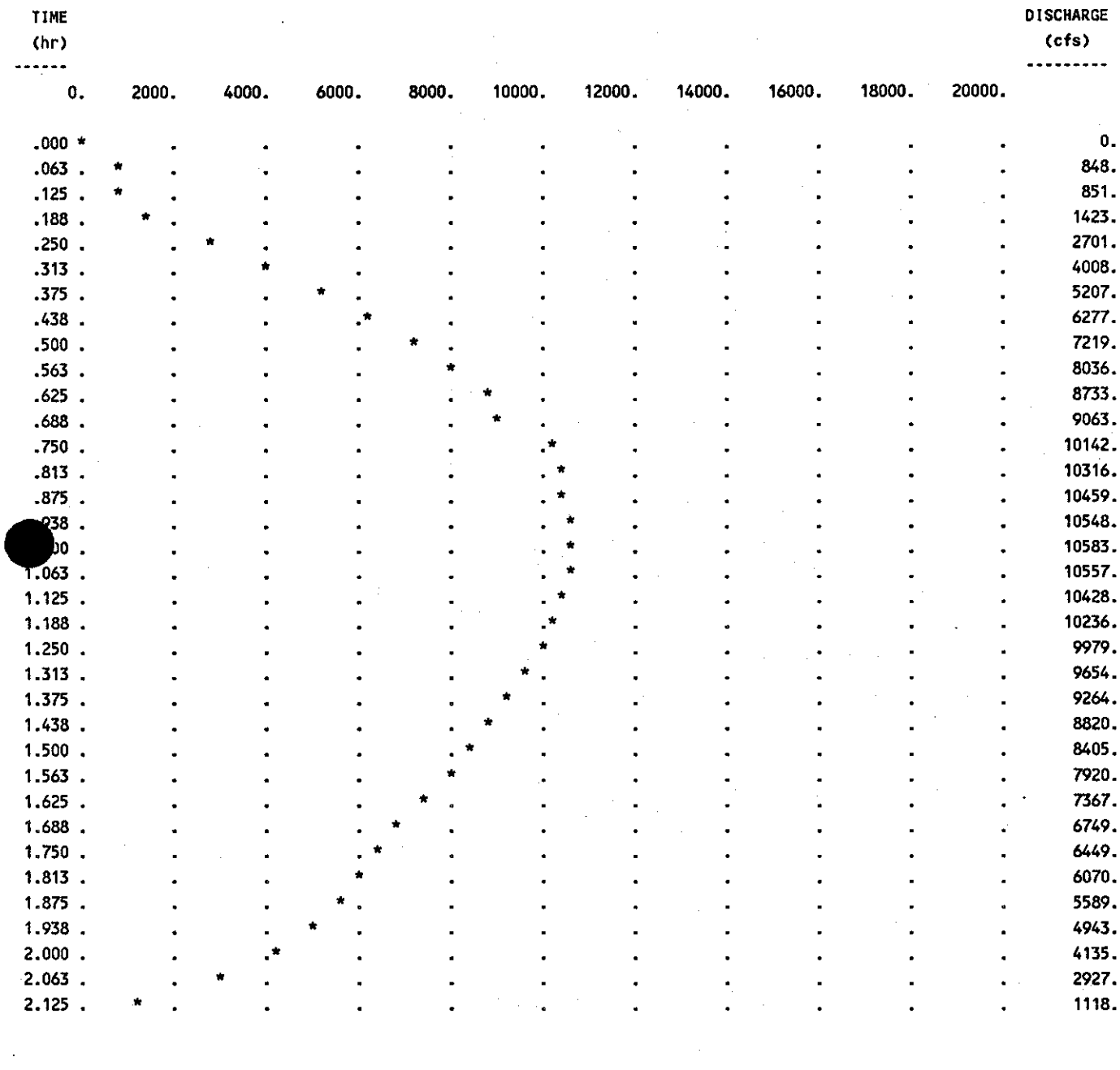
OUTPUT RESULTS AT END OF BREACH ANALYSIS :

Breach Depth (ft, BRD)	24.0
Breach Bottom Elevation (ft MSL, HC)	1567.0
Breach Side Slope Relative to Vertical (degrees, AGL)	49.88
Reservoir Water Surface Elevation (ft MSL, HY)	1569.2

PROJECT TITLE : PIPING BREACH ANALYSIS

PROJECT NUMBER : S-22 SPOOK HILL FRS 6/27/1990

OUTPUT HYDROGRAPH PLOT :



END OF OUTPUT

BREACH ANALYSIS
AT LOCATION C

filename: BREACHC.OUT

==========
B O S S B R E A C H (tm)
==========

Copyright (C) 1988 Boss Corporation
All Rights Reserved

Version : 1.10
Serial Number : 0001057.110

PROGRAM ORIGIN :

Boss Breach (tm) is an enhanced version of Professor D. L. Fread's July 1988 NWS BREACH program.

DISCLAIMER :

Boss Breach (tm) is a complex program which requires engineering expertise to use correctly. Boss Corporation assumes absolutely no responsibility for the correct use of this program. All results obtained should be carefully examined by an experienced professional engineer to determine if they are reasonable and accurate.

Although Boss Corporation has endeavored to make Boss Breach error free, the program is not and cannot be certified as infallible. Therefore, Boss Corporation makes no warranty, either implicit or explicit, as to the correct performance or accuracy of this software.

In no event shall Boss Corporation be liable to anyone for special, collateral, incidental, or consequential damages in connection with or arising out of purchase or use of this software. The sole and exclusive liability to Boss Corporation, regardless of the form of action, shall not exceed the purchase price of this software.

PROJECT DESCRIPTION :

PROJECT TITLE : PIPING BREACH ANALYSIS
PROJECT NUMBER : S-22 SPOOK HILL FRS
DESCRIPTION : INITIAL PIPING ELEV. = 1570
ENGINEER : G.S.

DATE OF RUN : 6/27/1990
TIME OF RUN : 8:25 am

INPUT DATA :

INFLOW HYDROGRAPH DESCRIPTION :

Time Elapsed TIN(I) (hr)	Upstream Inflow QIN(I) (cfs)
.00	850.0
5.00	850.0
.00	.0
.00	.0
.00	.0
.00	.0
.00	.0
.00	.0

RESERVOIR VOLUME DESCRIPTION :

Elevation HSA(I) (ft MSL)	Surface Area RSA(I) (acres)
1582.00	232.0
1580.00	177.0
1578.00	127.0
1576.00	77.0
1574.00	31.0
1572.00	7.0
1570.00	.0
.00	.0

TAILWATER CROSS-SECTION DESCRIPTION :

Elevation HSTW(I) (ft MSL)	Tailwater Top Width BSTW(I) (ft)	Tailwater Manning n CMTW(I)
1570.00	500.0	.0300
1578.00	10000.0	.0300
.00	.0	.0000
.00	.0	.0000
.00	.0	.0000
.00	.0	.0000

.00	.0	.0000
.00	.0	.0000

RESERVOIR AND PIPING BREACH DESCRIPTION :

Initial Reservoir Water Surface Elevation (ft MSL, HI)	1582.00
Dam Bottom Elevation (ft MSL, HL)	1570.00
Dam Top Elevation (ft MSL, HU)	1591.00
Spillway Crest Elevation (ft MSL, HSP)	1577.50
Dam Crest Length (ft, CRL)	20000.00
Dam Crest Width (ft, WC)	14.00
Ratio of Breach Width to Flow Depth (BR)	1.000
Initial Piping Failure Width (ft, H)	.10
Initial Piping Failure Elevation (ft MSL, HPI)	1570.00

DAM INNER CORE DESCRIPTION :

D50 Grain Size (mm, D50C)		2.000
Ratio of D90 to D30 Grain Sizes (UNFCC)		120.000
Porosity Ratio (PORC)		.300
Unit Weight (lb/cu ft, UWC)		120.00
Manning n of Core Material (CNC)		.0150
Internal Friction Angle (degrees, AFRC)		33.00
Cohesive Strength (lb/sq ft, COHC)		.00
Average Upstream & Downstream Inner Core Slope (ZC)	1 :	1.00

DAM OUTER CORE DESCRIPTION :

D50 Grain Size (mm, D50S)	2.000
Ratio of D90 to D30 Grain Sizes (UNFCS)	120.000
Porosity Ratio (PORS)	.300
Unit Weight (lb/cu ft, UWS)	120.00
Manning n of Core Material (CNS)	.0150
Internal Friction Angle (degrees, AFRS)	33.00
Cohesive Strength (lb/sq ft, COHS)	.00
Average Clay Plasticity Index (PI)	.00
CA Clay Critical Shear Stress Coefficient (CA)	.010
CB Clay Critical Shear Stress Coefficient (CB)	.700

DAM FACE DESCRIPTION :

Upstream Face Slope (ZU)	1 (vertical) :	3.00
Downstream Face Slope (ZD)	1 (vertical) :	2.00
Downstream Face D50 Grain Size (mm, D50DF)		2.000
Downstream Face D90 to D30 Grain Size Ratio (UNFCDF)		120.000
Average Grass Length (inches, GL)		.00
Grass Condition Factor (1=good, 0=none, GS)		.00
Maximum Grass-Lined Channel Velocity (ft/sec, VMP)		.00

BOUNDARY CONDITIONS :

Simulation Duration (hr, TEH)	3.50
Basic Time-Step Size (hr, DTH)	.025
Iteration Error Tolerance (%, ERR)	.10
Downstream River Bottom Slope (ft/mi, SM)	110.000
Maximum Allowable Breach Bottom Width (ft, BMX)	500.000
Discharge Plot Time-Step Interval (FPT)	10.00
Time-step at which Plotting Starts (TPR)	.00

INPUT DATA :

SPILLWAY RATING CURVE :

Head SPH(I) (ft)	Spillway Flow SPQ(I) (cfs)
.00	.0
1.00	300.0
2.00	600.0
3.00	750.0
4.00	830.0
5.00	865.0
.00	.0
.00	.0

INTERNAL COMPUTATION CHECKS :

Avg. inner & outer matl. internal friction angle (rad, AFRA)	33.00
Equation 21 Theta1' (radians, TH1)	61.50
Equation 13 Critical Depth H1' (ft, H1)	.06
Equation 21 Theta2' (radians, TH2)	47.25
Equation 13 Critical Depth H2' (ft, H2)	.20
Equation 21 Theta3' (radians, TH3)	40.13
Equation 13 Critical Depth H3' (ft, H3)	.67

FAILURE CODES (KG) :

0 = No erosion of grassed face
1 = Erosion of dam downstream face
2 = Erosion of dam upstream face
3 = Draining of reservoir with breach size continuing to increase
4 = Piping mode
5 = Collapse mode

PPP DESCRIPTION BASED ON ABOVE FAILURE CODES (KG) :

1 = Depth of erosion perpendicular to downstream face
2 = Length of breach along downstream face
3 = Increase in breach width
4 = Elevation of top of piping breach

HP DESCRIPTION BASED ON ABOVE FAILURE CODES (KG) :

1 = Erosion width across top of dam
2 = Erosion depth at upstream face
3 = Breach flow depth
4 = Piping head

PROJECT TITLE : PIPING BREACH ANALYSIS

PROJECT NUMBER : S-22 SPOOK HILL FRS 6/27/1990

Step I	Time Step (hr) DTH	Elpse Time (hr) T	Fail Code KG	Spillway Outflow (cfs) QTS	Breach Outflow (cfs) QB	Total Outflow (cfs) QTOT	Sbmrg Crctn Factr SUB	Brech Top Width (ft) BT	Rsrvor W. S. Elev. (ft - MSL) HY	Breach Bottom Elev. (ft - MSL) HC	Brech Bottm Width (ft) BO	Top of Pipe Breach (ft) PPP	Piping Head (ft) HP	Brech Manig (n) CNN	Estmte Erosin Depth Incrse (ft) DH	Comput Erosin Depth Incrse (ft) DHH	Itrtn Count KIT	Brech Vrtcl Side Angle (deg) ALG
1	.006	.006	4	847.5	.0	847.5	1.000	.1	1582.0	1570.0	.1	1570.1	12.0	.0150	.003	.003	0	.00
1	.006	.006	4	847.5	.0	847.5	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.003	.003	1	.00
1	.006	.006	4	847.5	.0	847.5	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.003	.003	2	.00
1	.006	.006	4	847.5	.0	847.5	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.003	.003	3	.00
2	.006	.013	4	847.5	.0	847.5	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.003	.003	0	.00
2	.006	.013	4	847.5	.0	847.5	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.003	.003	1	.00
2	.006	.013	4	847.5	.0	847.5	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.003	.003	2	.00
2	.006	.013	4	847.5	.0	847.5	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.003	.003	3	.00
3	.006	.019	4	847.5	.0	847.5	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.003	.004	0	.00
3	.006	.019	4	847.5	.0	847.5	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.004	.004	1	.00
3	.006	.019	4	847.5	.0	847.5	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.004	.004	2	.00
3	.006	.019	4	847.5	.0	847.5	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.004	.004	3	.00
4	.006	.025	4	847.5	.0	847.5	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.004	.004	0	.00
4	.006	.025	4	847.5	.0	847.5	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.004	.004	1	.00
4	.006	.025	4	847.5	.0	847.5	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.004	.004	2	.00
[illegible]	.006	.025	4	847.5	.0	847.5	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.004	.004	3	.00
[illegible]	.006	.031	4	847.5	.0	847.5	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.004	.004	0	.00
5	.006	.031	4	847.5	.0	847.5	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.004	.004	1	.00
5	.006	.031	4	847.5	.0	847.5	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.004	.004	2	.00
5	.006	.031	4	847.5	.0	847.5	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.004	.004	3	.00
6	.006	.038	4	847.5	.1	847.6	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.004	.005	0	.00
6	.006	.038	4	847.5	.1	847.6	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.005	.005	1	.00
6	.006	.038	4	847.5	.1	847.6	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.005	.005	2	.00
6	.006	.038	4	847.5	.1	847.6	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.005	.005	3	.00
7	.006	.044	4	847.5	.1	847.6	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.005	.005	0	.00
7	.006	.044	4	847.5	.1	847.6	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.005	.005	1	.00
7	.006	.044	4	847.5	.1	847.6	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.005	.005	2	.00
7	.006	.044	4	847.5	.1	847.6	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.005	.005	3	.00
8	.006	.050	4	847.5	.1	847.6	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.005	.006	0	.00
8	.006	.050	4	847.5	.1	847.6	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.006	.006	1	.00
8	.006	.050	4	847.5	.1	847.6	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.006	.006	2	.00
8	.006	.050	4	847.5	.1	847.6	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.006	.006	3	.00
9	.006	.056	4	847.5	.1	847.6	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.006	.006	0	.00
9	.006	.056	4	847.5	.1	847.6	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.006	.006	1	.00
9	.006	.056	4	847.5	.1	847.6	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.006	.006	2	.00
9	.006	.056	4	847.5	.1	847.6	1.000	.1	1582.0	1570.0	.1	1570.1	11.8	.0150	.006	.006	3	.00
10	.006	.063	4	847.5	.1	847.6	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.006	.007	0	.00
10	.006	.063	4	847.5	.1	847.6	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.007	.007	1	.00
10	.006	.063	4	847.5	.1	847.6	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.007	.007	2	.00
10	.006	.063	4	847.5	.1	847.6	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.007	.007	3	.00
11	.006	.069	4	847.5	.1	847.6	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.007	.008	0	.00
[illegible]	.006	.069	4	847.5	.1	847.6	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.008	.008	1	.00
[illegible]	.006	.069	4	847.5	.1	847.6	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.008	.008	2	.00
11	.006	.069	4	847.5	.1	847.6	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.008	.008	3	.00
12	.006	.075	4	847.5	.1	847.6	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.008	.009	0	.00
12	.006	.075	4	847.5	.1	847.6	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.009	.009	1	.00

12	.006	.075	4	847.5	.1	847.6	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.009	.009	2	.00
12	.006	.075	4	847.5	.1	847.6	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.009	.009	3	.00
13	.006	.081	4	847.5	.1	847.6	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.009	.010	0	.00
	.006	.081	4	847.5	.1	847.6	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.010	.010	1	.00
	.006	.081	4	847.5	.1	847.6	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.010	.010	2	.00
13	.006	.081	4	847.5	.1	847.6	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.010	.010	3	.00
14	.006	.088	4	847.5	.2	847.7	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.010	.011	0	.00
14	.006	.088	4	847.5	.2	847.7	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.011	.011	1	.00
14	.006	.088	4	847.5	.2	847.7	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.011	.011	2	.00
14	.006	.088	4	847.5	.2	847.7	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.011	.011	3	.00
14	.006	.088	4	847.5	.2	847.7	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.011	.011	4	.00
15	.006	.094	4	847.5	.2	847.7	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.011	.012	0	.00
15	.006	.094	4	847.5	.2	847.7	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.012	.013	1	.00
15	.006	.094	4	847.5	.2	847.7	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.013	.013	2	.00
15	.006	.094	4	847.5	.2	847.7	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.013	.013	3	.00
15	.006	.094	4	847.5	.2	847.7	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.013	.013	4	.00
16	.006	.100	4	847.5	.2	847.7	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.013	.014	0	.00
16	.006	.100	4	847.5	.2	847.7	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.014	.015	1	.00
16	.006	.100	4	847.5	.2	847.8	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.015	.015	2	.00
16	.006	.100	4	847.5	.2	847.8	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.015	.015	3	.00
16	.006	.100	4	847.5	.2	847.8	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.015	.015	4	.00
17	.006	.106	4	847.5	.3	847.8	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.015	.017	0	.00
17	.006	.106	4	847.5	.3	847.8	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.017	.017	1	.00
17	.006	.106	4	847.5	.3	847.8	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.017	.017	2	.00
17	.006	.106	4	847.5	.3	847.8	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.017	.017	3	.00
17	.006	.106	4	847.5	.3	847.8	1.000	.2	1582.0	1570.0	.2	1570.1	11.8	.0150	.017	.017	4	.00
18	.006	.113	4	847.5	.4	847.9	1.000	.3	1582.0	1570.0	.3	1570.1	11.8	.0150	.017	.020	0	.00
18	.006	.113	4	847.5	.4	847.9	1.000	.3	1582.0	1570.0	.3	1570.1	11.8	.0150	.020	.020	1	.00
18	.006	.113	4	847.5	.4	847.9	1.000	.3	1582.0	1570.0	.3	1570.1	11.8	.0150	.020	.021	2	.00
	.006	.113	4	847.5	.4	847.9	1.000	.3	1582.0	1570.0	.3	1570.1	11.8	.0150	.021	.021	3	.00
	.006	.113	4	847.5	.4	847.9	1.000	.3	1582.0	1570.0	.3	1570.1	11.8	.0150	.021	.021	4	.00
19	.006	.119	4	847.5	.5	848.0	1.000	.3	1582.0	1570.0	.3	1570.1	11.8	.0150	.021	.024	0	.00
19	.006	.119	4	847.5	.5	848.0	1.000	.3	1582.0	1570.0	.3	1570.1	11.8	.0150	.024	.025	1	.00
19	.006	.119	4	847.5	.5	848.0	1.000	.3	1582.0	1570.0	.3	1570.2	11.8	.0150	.025	.025	2	.00
19	.006	.119	4	847.5	.5	848.0	1.000	.3	1582.0	1570.0	.3	1570.2	11.8	.0150	.025	.025	3	.00
19	.006	.119	4	847.5	.5	848.0	1.000	.3	1582.0	1570.0	.3	1570.2	11.8	.0150	.025	.025	4	.00
20	.006	.125	4	847.5	.6	848.2	1.000	.3	1582.0	1570.0	.3	1570.2	11.8	.0150	.025	.029	0	.00
20	.006	.125	4	847.5	.7	848.2	1.000	.3	1582.0	1570.0	.3	1570.2	11.8	.0150	.029	.030	1	.00
20	.006	.125	4	847.5	.7	848.2	1.000	.3	1582.0	1570.0	.3	1570.2	11.8	.0150	.030	.031	2	.00
20	.006	.125	4	847.5	.7	848.2	1.000	.3	1582.0	1570.0	.3	1570.2	11.8	.0150	.031	.031	3	.00
20	.006	.125	4	847.5	.7	848.2	1.000	.3	1582.0	1570.0	.3	1570.2	11.8	.0150	.031	.031	4	.00
20	.006	.125	4	847.5	.7	848.2	1.000	.3	1582.0	1570.0	.3	1570.2	11.8	.0150	.031	.031	5	.00
21	.006	.131	4	847.5	.9	848.4	1.000	.4	1582.0	1570.0	.4	1570.2	11.8	.0150	.031	.036	0	.00
21	.006	.131	4	847.5	1.0	848.5	1.000	.4	1582.0	1570.0	.4	1570.2	11.8	.0150	.036	.038	1	.00
21	.006	.131	4	847.5	1.0	848.5	1.000	.4	1582.0	1570.0	.4	1570.2	11.8	.0150	.038	.038	2	.00
21	.006	.131	4	847.5	1.0	848.5	1.000	.4	1582.0	1570.0	.4	1570.2	11.8	.0150	.038	.038	3	.00
21	.006	.131	4	847.5	1.0	848.5	1.000	.4	1582.0	1570.0	.4	1570.2	11.8	.0150	.038	.039	4	.00
21	.006	.131	4	847.5	1.0	848.5	1.000	.4	1582.0	1570.0	.4	1570.2	11.8	.0150	.039	.039	5	.00
22	.006	.138	4	847.5	1.3	848.8	1.000	.4	1582.0	1570.0	.4	1570.2	11.8	.0150	.039	.046	0	.00
22	.006	.138	4	847.5	1.4	848.9	1.000	.4	1582.0	1570.0	.4	1570.2	11.8	.0150	.046	.048	1	.00
22	.006	.138	4	847.5	1.5	849.0	1.000	.4	1582.0	1570.0	.4	1570.2	11.8	.0150	.048	.049	2	.00
22	.006	.138	4	847.5	1.5	849.0	1.000	.4	1582.0	1570.0	.4	1570.2	11.8	.0150	.049	.049	3	.00
22	.006	.138	4	847.5	1.5	849.0	1.000	.4	1582.0	1570.0	.4	1570.2	11.8	.0150	.049	.050	4	.00
22	.006	.138	4	847.5	1.5	849.0	1.000	.4	1582.0	1570.0	.4	1570.2	11.8	.0150	.050	.050	5	.00
23	.006	.144	4	847.5	2.0	849.5	1.000	.5	1582.0	1570.0	.5	1570.2	11.8	.0150	.050	.059	0	.00
	.006	.144	4	847.5	2.2	849.7	1.000	.5	1582.0	1570.0	.5	1570.3	11.8	.0150	.059	.063	1	.00
	.006	.144	4	847.5	2.2	849.8	1.000	.5	1582.0	1570.0	.5	1570.3	11.8	.0150	.063	.065	2	.00
23	.006	.144	4	847.5	2.3	849.8	1.000	.5	1582.0	1570.0	.5	1570.3	11.8	.0150	.065	.065	3	.00
23	.006	.144	4	847.5	2.3	849.8	1.000	.5	1582.0	1570.0	.5	1570.3	11.8	.0150	.065	.065	4	.00
23	.006	.144	4	847.5	2.3	849.8	1.000	.5	1582.0	1570.0	.5	1570.3	11.8	.0150	.065	.066	5	.00

24	.006	.150	4	847.5	3.1	850.6	1.000	.6	1582.0	1570.0	.6	1570.3	11.8	.0150	.065	.079	0	.00
24	.006	.150	4	847.5	3.5	851.0	1.000	.6	1582.0	1570.0	.6	1570.3	11.8	.0150	.079	.085	1	.00
24	.006	.150	4	847.5	3.7	851.2	1.000	.6	1582.0	1570.0	.6	1570.3	11.8	.0150	.085	.087	2	.00
[illegible]	.006	.150	4	847.5	3.8	851.3	1.000	.6	1582.0	1570.0	.6	1570.3	11.8	.0150	.087	.088	3	.00
[illegible]	.006	.150	4	847.5	3.8	851.3	1.000	.6	1582.0	1570.0	.6	1570.3	11.8	.0150	.088	.089	4	.00
24	.006	.150	4	847.5	3.8	851.3	1.000	.6	1582.0	1570.0	.6	1570.3	11.8	.0150	.089	.089	5	.00
25	.006	.156	4	847.5	5.4	852.9	1.000	.7	1582.0	1570.0	.7	1570.4	11.8	.0150	.089	.108	0	.00
25	.006	.156	4	847.5	6.2	853.7	1.000	.8	1582.0	1570.0	.8	1570.4	11.8	.0150	.108	.117	1	.00
25	.006	.156	4	847.5	6.6	854.1	1.000	.8	1582.0	1570.0	.8	1570.4	11.8	.0150	.117	.121	2	.00
25	.006	.156	4	847.5	6.7	854.2	1.000	.8	1582.0	1570.0	.8	1570.4	11.8	.0150	.121	.122	3	.00
25	.006	.156	4	847.5	6.8	854.3	1.000	.8	1582.0	1570.0	.8	1570.4	11.8	.0150	.122	.123	4	.00
25	.006	.156	4	847.5	6.8	854.3	1.000	.8	1582.0	1570.0	.8	1570.4	11.8	.0150	.123	.123	5	.00
26	.006	.162	4	847.5	9.9	857.4	1.000	.9	1582.0	1570.0	.9	1570.5	11.8	.0150	.123	.150	0	.00
26	.006	.162	4	847.5	11.5	859.0	1.000	1.0	1582.0	1570.0	1.0	1570.5	11.8	.0150	.150	.162	1	.00
26	.006	.162	4	847.5	12.2	859.7	1.000	1.0	1582.0	1570.0	1.0	1570.5	11.8	.0150	.162	.167	2	.00
26	.006	.162	4	847.5	12.5	860.0	1.000	1.0	1582.0	1570.0	1.0	1570.5	11.7	.0150	.167	.169	3	.00
26	.006	.162	4	847.5	12.7	860.2	1.000	1.0	1582.0	1570.0	1.0	1570.5	11.7	.0150	.169	.170	4	.00
26	.006	.162	4	847.5	12.7	860.2	1.000	1.0	1582.0	1570.0	1.0	1570.5	11.7	.0150	.170	.170	5	.00
27	.006	.169	4	847.5	18.9	866.4	1.000	1.2	1582.0	1570.0	1.2	1570.6	11.7	.0150	.170	.204	0	.00
27	.006	.169	4	847.5	21.7	869.2	1.000	1.3	1582.0	1570.0	1.3	1570.6	11.7	.0150	.204	.216	1	.00
27	.006	.169	4	847.5	22.8	870.3	1.000	1.3	1582.0	1570.0	1.3	1570.6	11.7	.0150	.216	.221	2	.00
27	.006	.169	4	847.5	23.2	870.7	1.000	1.3	1582.0	1570.0	1.3	1570.6	11.7	.0150	.221	.222	3	.00
27	.006	.169	4	847.5	23.4	870.9	1.000	1.3	1582.0	1570.0	1.3	1570.6	11.7	.0150	.222	.223	4	.00
27	.006	.169	4	847.5	23.4	870.9	1.000	1.3	1582.0	1570.0	1.3	1570.6	11.7	.0150	.223	.223	5	.00
28	.006	.175	4	847.5	34.9	882.4	1.000	1.5	1582.0	1570.0	1.5	1570.8	11.6	.0150	.223	.259	0	.00
28	.006	.175	4	847.5	39.1	886.6	1.000	1.6	1582.0	1570.0	1.6	1570.8	11.6	.0150	.259	.270	1	.00
28	.006	.175	4	847.5	40.4	887.9	1.000	1.6	1582.0	1570.0	1.6	1570.8	11.6	.0150	.270	.273	2	.00
28	.006	.175	4	847.5	40.8	888.3	1.000	1.6	1582.0	1570.0	1.6	1570.8	11.6	.0150	.273	.273	3	.00
28	.006	.175	4	847.5	40.9	888.4	1.000	1.6	1582.0	1570.0	1.6	1570.8	11.6	.0150	.273	.274	4	.00
[illegible]	.006	.181	4	847.5	59.9	907.4	1.000	1.9	1582.0	1570.0	1.9	1570.9	11.5	.0150	.273	.306	0	.00
[illegible]	.006	.181	4	847.5	65.0	912.5	1.000	2.0	1582.0	1570.0	2.0	1571.0	11.5	.0150	.306	.312	1	.00
29	.006	.181	4	847.5	66.0	913.5	1.000	2.0	1582.0	1570.0	2.0	1571.0	11.5	.0150	.312	.314	2	.00
29	.006	.181	4	847.5	66.2	913.7	1.000	2.0	1582.0	1570.0	2.0	1571.0	11.5	.0150	.314	.314	3	.00
30	.006	.187	4	847.5	94.3	941.8	1.000	2.3	1582.0	1570.0	2.3	1571.1	11.4	.0150	.314	.338	0	.00
30	.006	.187	4	847.5	99.1	946.6	1.000	2.3	1582.0	1570.0	2.3	1571.2	11.4	.0150	.338	.341	1	.00
30	.006	.187	4	847.5	99.7	947.2	1.000	2.3	1582.0	1570.0	2.3	1571.2	11.4	.0150	.341	.341	2	.00
31	.006	.194	4	847.5	137.2	984.7	1.000	2.7	1582.0	1570.0	2.7	1571.3	11.3	.0150	.341	.356	0	.00
31	.006	.194	4	847.5	140.3	987.8	1.000	2.7	1582.0	1570.0	2.7	1571.4	11.2	.0150	.356	.352	1	.00
31	.006	.194	4	847.5	139.3	986.8	1.000	2.7	1582.0	1570.0	2.7	1571.3	11.2	.0150	.352	.351	2	.00
31	.006	.194	4	847.5	139.2	986.7	1.000	2.7	1582.0	1570.0	2.7	1571.3	11.2	.0150	.351	.351	3	.00
32	.006	.200	4	847.5	185.2	1032.6	1.000	3.0	1582.0	1570.0	3.0	1571.5	11.2	.0150	.351	.362	0	.00
32	.006	.200	4	847.5	188.3	1035.8	1.000	3.1	1582.0	1570.0	3.1	1571.5	11.2	.0150	.362	.363	1	.00
33	.006	.206	4	847.5	242.5	1090.0	1.000	3.4	1582.0	1570.0	3.4	1571.7	11.1	.0150	.362	.362	0	.00
34	.006	.212	4	847.4	303.6	1151.1	1.000	3.8	1582.0	1570.0	3.8	1571.9	11.0	.0150	.362	.357	0	.00
34	.006	.212	4	847.4	301.8	1149.2	1.000	3.8	1582.0	1570.0	3.8	1571.9	11.1	.0150	.357	.358	1	.00
35	.006	.219	4	847.4	368.4	1215.8	1.000	4.1	1582.0	1570.0	4.1	1572.1	11.0	.0150	.357	.350	0	.00
35	.006	.219	4	847.4	365.4	1212.8	1.000	4.1	1582.0	1570.0	4.1	1572.1	11.0	.0150	.350	.350	1	.00
35	.006	.219	4	847.4	365.6	1213.0	1.000	4.1	1582.0	1570.0	4.1	1572.1	11.0	.0150	.350	.350	2	.00
36	.006	.225	4	847.4	436.8	1284.2	1.000	4.5	1582.0	1570.0	4.5	1572.2	10.9	.0150	.350	.340	0	.00
36	.006	.225	4	847.4	432.7	1280.1	1.000	4.5	1582.0	1570.0	4.5	1572.2	10.9	.0150	.340	.341	1	.00
36	.006	.225	4	847.4	432.9	1280.3	1.000	4.5	1582.0	1570.0	4.5	1572.2	10.9	.0150	.341	.341	2	.00
37	.006	.231	4	847.4	507.9	1355.2	1.000	4.8	1582.0	1570.0	4.8	1572.4	10.8	.0150	.341	.330	0	.00
37	.006	.231	4	847.4	503.0	1350.4	1.000	4.8	1582.0	1570.0	4.8	1572.4	10.8	.0150	.330	.331	1	.00
37	.006	.231	4	847.4	503.3	1350.7	1.000	4.8	1582.0	1570.0	4.8	1572.4	10.8	.0150	.331	.331	2	.00
38	.006	.237	4	847.3	581.2	1428.5	1.000	5.1	1582.0	1570.0	5.1	1572.6	10.7	.0150	.331	.320	0	.00
[illegible]	.006	.237	4	847.3	575.7	1423.1	1.000	5.1	1582.0	1570.0	5.1	1572.5	10.7	.0150	.320	.320	1	.00
[illegible]	.006	.237	4	847.3	576.1	1423.4	1.000	5.1	1582.0	1570.0	5.1	1572.5	10.7	.0150	.320	.320	2	.00
39	.006	.244	4	847.3	656.2	1503.5	1.000	5.4	1582.0	1570.0	5.4	1572.7	10.6	.0150	.320	.309	0	.00
39	.006	.244	4	847.3	650.5	1497.7	1.000	5.4	1582.0	1570.0	5.4	1572.7	10.6	.0150	.309	.310	1	.00
39	.006	.244	4	847.3	650.9	1498.1	1.000	5.4	1582.0	1570.0	5.4	1572.7	10.6	.0150	.310	.310	2	.00

40	.006	.250	4	847.2	732.7	1579.9	1.000	5.7	1582.0	1570.0	5.7	1572.8	10.6	.0150	.310	.299	0	.00
40	.006	.250	4	847.2	726.8	1574.0	1.000	5.7	1582.0	1570.0	5.7	1572.8	10.6	.0150	.299	.300	1	.00
40	.006	.250	4	847.2	727.2	1574.4	1.000	5.7	1582.0	1570.0	5.7	1572.8	10.6	.0150	.300	.300	2	.00
[illegible]	.006	.256	4	847.2	810.3	1657.5	1.000	6.0	1582.0	1570.0	6.0	1573.0	10.5	.0150	.300	.289	0	.00
[illegible]	.006	.256	4	847.2	804.2	1651.4	1.000	6.0	1582.0	1570.0	6.0	1573.0	10.5	.0150	.289	.290	1	.00
41	.006	.256	4	847.2	804.7	1651.8	1.000	6.0	1582.0	1570.0	6.0	1573.0	10.5	.0150	.290	.290	2	.00
42	.006	.262	4	847.1	888.7	1735.8	1.000	6.2	1582.0	1570.0	6.2	1573.1	10.4	.0150	.290	.280	0	.00
42	.006	.262	4	847.1	882.7	1729.8	1.000	6.2	1582.0	1570.0	6.2	1573.1	10.4	.0150	.280	.280	1	.00
42	.006	.262	4	847.1	883.1	1730.2	1.000	6.2	1582.0	1570.0	6.2	1573.1	10.4	.0150	.280	.280	2	.00
43	.006	.269	4	847.0	967.7	1814.8	1.000	6.5	1582.0	1570.0	6.5	1573.3	10.4	.0150	.280	.271	0	.00
43	.006	.269	4	847.0	961.7	1808.8	1.000	6.5	1582.0	1570.0	6.5	1573.2	10.4	.0150	.271	.271	1	.00
43	.006	.269	4	847.0	962.1	1809.2	1.000	6.5	1582.0	1570.0	6.5	1573.2	10.4	.0150	.271	.271	2	.00
44	.006	.275	4	847.0	1047.2	1894.1	1.000	6.8	1582.0	1570.0	6.8	1573.4	10.3	.0150	.271	.262	0	.00
44	.006	.275	4	847.0	1041.2	1888.2	1.000	6.7	1582.0	1570.0	6.7	1573.4	10.3	.0150	.262	.263	1	.00
44	.006	.275	4	847.0	1041.6	1888.6	1.000	6.7	1582.0	1570.0	6.7	1573.4	10.3	.0150	.263	.263	2	.00
45	.006	.281	4	846.9	1126.8	1973.7	1.000	7.0	1582.0	1570.0	7.0	1573.5	10.2	.0150	.263	.254	0	.00
45	.006	.281	4	846.9	1121.0	1967.9	1.000	7.0	1582.0	1570.0	7.0	1573.5	10.2	.0150	.254	.254	1	.00
45	.006	.281	4	846.9	1121.4	1968.2	1.000	7.0	1582.0	1570.0	7.0	1573.5	10.2	.0150	.254	.254	2	.00
46	.006	.287	4	846.8	1206.5	2053.3	1.000	7.2	1582.0	1570.0	7.2	1573.6	10.2	.0150	.254	.246	0	.00
46	.006	.287	4	846.8	1200.8	2047.6	1.000	7.2	1582.0	1570.0	7.2	1573.6	10.2	.0150	.246	.246	1	.00
46	.006	.287	4	846.8	1201.2	2048.0	1.000	7.2	1582.0	1570.0	7.2	1573.6	10.2	.0150	.246	.246	2	.00
47	.006	.294	4	846.7	1286.2	2132.9	1.000	7.5	1582.0	1570.0	7.5	1573.7	10.1	.0150	.246	.239	0	.00
47	.006	.294	4	846.7	1280.7	2127.4	1.000	7.5	1582.0	1570.0	7.5	1573.7	10.1	.0150	.239	.239	1	.00
47	.006	.294	4	846.7	1281.0	2127.7	1.000	7.5	1582.0	1570.0	7.5	1573.7	10.1	.0150	.239	.239	2	.00
48	.006	.300	4	846.6	1365.8	2212.4	1.000	7.7	1582.0	1570.0	7.7	1573.9	10.0	.0150	.239	.232	0	.00
48	.006	.300	4	846.6	1360.4	2207.0	1.000	7.7	1582.0	1570.0	7.7	1573.8	10.1	.0150	.232	.232	1	.00
48	.006	.300	4	846.6	1360.7	2207.3	1.000	7.7	1582.0	1570.0	7.7	1573.8	10.1	.0150	.232	.232	2	.00
49	.006	.306	4	846.5	1445.1	2291.6	1.000	7.9	1582.0	1570.0	7.9	1574.0	10.0	.0150	.232	.225	0	.00
49	.006	.306	4	846.5	1439.9	2286.4	1.000	7.9	1582.0	1570.0	7.9	1574.0	10.0	.0150	.225	.225	1	.00
[illegible]	.006	.306	4	846.5	1440.2	2286.7	1.000	7.9	1582.0	1570.0	7.9	1574.0	10.0	.0150	.225	.225	2	.00
[illegible]	.006	.312	4	846.4	1524.1	2370.5	1.000	8.1	1582.0	1570.0	8.1	1574.1	9.9	.0150	.225	.219	0	.00

PROJECT TITLE : PIPING BREACH ANALYSIS

PROJECT NUMBER : S-22 SPOOK HILL FRS 6/27/1990

Step I	Time Step (hr) DTH	Elpse Time (hr) T	Fail Code KG	Spillway Outflow (cfs) QTS	Breach Outflow (cfs) QB	Total Outflow (cfs) QTOT	Sbmrg Crctn Factr SUB	Brech Top Width (ft) BT	Rsrvor W. S. Elev. (ft - MSL) HY	Breach Bottom Elev. (ft - MSL) HC	Brech Bottm Width (ft) BO	Top of Pipe Breach (ft) PPP	Piping Head (ft) HP	Brech Manig (n) CNN	Estmte Erosin Depth Incrse (ft) DH	Comput Erosin Depth Incrse (ft) DHH	Itrtn Count KIT	Brech Vrtcl Side Angle (deg) ALG
50	.006	.312	4	846.4	1519.0	2365.4	1.000	8.1	1582.0	1570.0	8.1	1574.1	9.9	.0150	.219	.219	1	.00
50	.006	.312	4	846.4	1519.3	2365.7	1.000	8.1	1582.0	1570.0	8.1	1574.1	9.9	.0150	.219	.219	2	.00
51	.006	.319	4	846.3	1602.7	2449.0	1.000	8.3	1582.0	1570.0	8.3	1574.2	9.9	.0150	.219	.213	0	.00
51	.006	.319	4	846.3	1597.8	2444.1	1.000	8.3	1582.0	1570.0	8.3	1574.2	9.9	.0150	.213	.213	1	.00
51	.006	.319	4	846.3	1598.1	2444.4	1.000	8.3	1582.0	1570.0	8.3	1574.2	9.9	.0150	.213	.213	2	.00
52	.006	.325	4	846.1	1680.9	2527.1	1.000	8.5	1582.0	1570.0	8.5	1574.3	9.8	.0150	.213	.207	0	.00
52	.006	.325	4	846.1	1676.2	2522.3	1.000	8.5	1582.0	1570.0	8.5	1574.3	9.8	.0150	.207	.207	1	.00
52	.006	.325	4	846.1	1676.4	2522.6	1.000	8.5	1582.0	1570.0	8.5	1574.3	9.8	.0150	.207	.207	2	.00
53	.006	.331	4	846.0	1758.6	2604.6	1.000	8.7	1582.0	1570.0	8.7	1574.4	9.8	.0150	.207	.201	0	.00
53	.006	.331	4	846.0	1754.0	2600.0	1.000	8.7	1582.0	1570.0	8.7	1574.4	9.8	.0150	.201	.202	1	.00
53	.006	.331	4	846.0	1754.2	2600.3	1.000	8.7	1582.0	1570.0	8.7	1574.4	9.8	.0150	.202	.202	2	.00
54	.006	.337	4	845.9	1835.8	2681.7	1.000	8.9	1582.0	1570.0	8.9	1574.5	9.7	.0150	.202	.196	0	.00
54	.006	.337	4	845.9	1831.3	2677.2	1.000	8.9	1582.0	1570.0	8.9	1574.5	9.7	.0150	.196	.197	1	.00
54	.006	.337	4	845.9	1831.6	2677.4	1.000	8.9	1582.0	1570.0	8.9	1574.5	9.7	.0150	.197	.197	2	.00
55	.006	.344	4	845.7	1912.4	2758.2	1.000	9.1	1581.9	1570.0	9.1	1574.6	9.7	.0150	.197	.191	0	.00
55	.006	.344	4	845.7	1908.1	2753.8	1.000	9.1	1581.9	1570.0	9.1	1574.6	9.7	.0150	.191	.192	1	.00
55	.006	.344	4	845.7	1908.3	2754.1	1.000	9.1	1581.9	1570.0	9.1	1574.6	9.7	.0150	.192	.192	2	.00
56	.006	.350	4	845.6	1988.5	2834.1	1.000	9.3	1581.9	1570.0	9.3	1574.6	9.6	.0150	.192	.187	0	.00
56	.006	.350	4	845.6	1984.3	2829.9	1.000	9.3	1581.9	1570.0	9.3	1574.6	9.6	.0150	.187	.187	1	.00
56	.006	.350	4	845.6	1984.5	2830.1	1.000	9.3	1581.9	1570.0	9.3	1574.6	9.6	.0150	.187	.187	2	.00
57	.006	.356	4	845.4	2063.9	2909.3	1.000	9.5	1581.9	1570.0	9.5	1574.7	9.6	.0150	.187	.182	0	.00
57	.006	.356	4	845.4	2059.8	2905.2	1.000	9.5	1581.9	1570.0	9.5	1574.7	9.6	.0150	.182	.182	1	.00
57	.006	.356	4	845.4	2060.0	2905.4	1.000	9.5	1581.9	1570.0	9.5	1574.7	9.6	.0150	.182	.182	2	.00
58	.006	.362	4	845.3	2138.6	2983.9	1.000	9.6	1581.9	1570.0	9.6	1574.8	9.5	.0150	.182	.178	0	.00
58	.006	.362	4	845.3	2134.7	2980.0	1.000	9.6	1581.9	1570.0	9.6	1574.8	9.5	.0150	.178	.178	1	.00
58	.006	.362	4	845.3	2134.9	2980.2	1.000	9.6	1581.9	1570.0	9.6	1574.8	9.5	.0150	.178	.178	2	.00
59	.006	.369	4	845.1	2212.8	3057.9	1.000	9.8	1581.9	1570.0	9.8	1574.9	9.5	.0150	.178	.174	0	.00
59	.006	.369	4	845.1	2208.9	3054.0	1.000	9.8	1581.9	1570.0	9.8	1574.9	9.5	.0150	.174	.174	1	.00
59	.006	.369	4	845.1	2209.1	3054.2	1.000	9.8	1581.9	1570.0	9.8	1574.9	9.5	.0150	.174	.174	2	.00
60	.006	.375	4	844.9	2286.2	3131.1	1.000	10.0	1581.9	1570.0	10.0	1575.0	9.4	.0150	.174	.170	0	.00
60	.006	.375	4	844.9	2282.5	3127.4	1.000	10.0	1581.9	1570.0	10.0	1575.0	9.4	.0150	.170	.170	1	.00
60	.006	.375	4	844.9	2282.7	3127.6	1.000	10.0	1581.9	1570.0	10.0	1575.0	9.4	.0150	.170	.170	2	.00
61	.006	.381	4	844.7	2359.0	3203.7	1.000	10.1	1581.9	1570.0	10.1	1575.1	9.4	.0150	.170	.166	0	.00
61	.006	.381	4	844.7	2355.4	3200.1	1.000	10.1	1581.9	1570.0	10.1	1575.1	9.4	.0150	.166	.166	1	.00
61	.006	.381	4	844.7	2355.5	3200.3	1.000	10.1	1581.9	1570.0	10.1	1575.1	9.4	.0150	.166	.166	2	.00
62	.006	.387	4	844.6	2431.0	3275.6	1.000	10.3	1581.9	1570.0	10.3	1575.1	9.3	.0150	.166	.163	0	.00
62	.006	.387	4	844.6	2427.6	3272.1	1.000	10.3	1581.9	1570.0	10.3	1575.1	9.3	.0150	.163	.163	1	.00
62	.006	.387	4	844.6	2427.7	3272.3	1.000	10.3	1581.9	1570.0	10.3	1575.1	9.3	.0150	.163	.163	2	.00
63	.006	.394	4	844.4	2502.4	3346.8	1.000	10.5	1581.9	1570.0	10.5	1575.2	9.3	.0150	.163	.159	0	.00
63	.006	.394	4	844.4	2499.0	3343.4	1.000	10.4	1581.9	1570.0	10.4	1575.2	9.3	.0150	.159	.159	1	.00
64	.006	.400	4	844.2	2572.8	3417.0	1.000	10.6	1581.9	1570.0	10.6	1575.3	9.3	.0150	.159	.156	0	.00
64	.006	.400	4	844.2	2569.7	3413.8	1.000	10.6	1581.9	1570.0	10.6	1575.3	9.3	.0150	.156	.156	1	.00
65	.006	.406	4	844.0	2642.7	3486.7	1.000	10.8	1581.9	1570.0	10.8	1575.4	9.2	.0150	.156	.153	0	.00
65	.006	.406	4	844.0	2639.7	3483.6	1.000	10.7	1581.9	1570.0	10.7	1575.4	9.2	.0150	.153	.153	1	.00
66	.006	.412	4	843.8	2711.9	3555.6	1.000	10.9	1581.9	1570.0	10.9	1575.5	9.2	.0150	.153	.150	0	.00
66	.006	.412	4	843.8	2708.9	3552.6	1.000	10.9	1581.9	1570.0	10.9	1575.4	9.2	.0150	.150	.150	1	.00

67	.006	.419	4	843.5	2780.3	3623.8	1.000	11.0	1581.9	1570.0	11.0	1575.5	9.1	.0150	.150	.147	0	.00
67	.006	.419	4	843.5	2777.4	3620.9	1.000	11.0	1581.9	1570.0	11.0	1575.5	9.1	.0150	.147	.147	1	.00
68	.006	.425	4	843.3	2848.0	3691.3	1.000	11.2	1581.9	1570.0	11.2	1575.6	9.1	.0150	.147	.144	0	.00
[illegible]	.006	.425	4	843.3	2845.2	3688.5	1.000	11.2	1581.9	1570.0	11.2	1575.6	9.1	.0150	.144	.144	1	.00
[illegible]	.006	.431	4	843.1	2915.0	3758.1	1.000	11.3	1581.9	1570.0	11.3	1575.7	9.0	.0150	.144	.141	0	.00
69	.006	.431	4	843.1	2912.3	3755.4	1.000	11.3	1581.9	1570.0	11.3	1575.7	9.0	.0150	.141	.141	1	.00
70	.006	.437	4	842.9	2981.3	3824.2	1.000	11.5	1581.9	1570.0	11.5	1575.7	9.0	.0150	.141	.138	0	.00
70	.006	.437	4	842.9	2978.6	3821.5	1.000	11.5	1581.9	1570.0	11.5	1575.7	9.0	.0150	.138	.138	1	.00
71	.006	.444	4	842.6	3046.8	3889.5	1.000	11.6	1581.9	1570.0	11.6	1575.8	9.0	.0150	.138	.136	0	.00
71	.006	.444	4	842.6	3044.2	3886.9	1.000	11.6	1581.9	1570.0	11.6	1575.8	9.0	.0150	.136	.136	1	.00
72	.006	.450	4	842.4	3111.6	3954.0	1.000	11.7	1581.9	1570.0	11.7	1575.9	8.9	.0150	.136	.133	0	.00
72	.006	.450	4	842.4	3109.1	3951.5	1.000	11.7	1581.9	1570.0	11.7	1575.9	8.9	.0150	.133	.133	1	.00
73	.006	.456	4	842.1	3175.8	4017.9	1.000	11.9	1581.8	1570.0	11.9	1575.9	8.9	.0150	.133	.131	0	.00
73	.006	.456	4	842.2	3173.3	4015.4	1.000	11.8	1581.8	1570.0	11.8	1575.9	8.9	.0150	.131	.131	1	.00
74	.006	.462	4	841.9	3239.2	4081.0	1.000	12.0	1581.8	1570.0	12.0	1576.0	8.8	.0150	.131	.128	0	.00
74	.006	.462	4	841.9	3236.8	4078.7	1.000	12.0	1581.8	1570.0	12.0	1576.0	8.8	.0150	.128	.129	1	.00
75	.006	.469	4	841.6	3301.8	4143.4	1.000	12.1	1581.8	1570.0	12.1	1576.1	8.8	.0150	.128	.126	0	.00
75	.006	.469	4	841.6	3299.5	4141.1	1.000	12.1	1581.8	1570.0	12.1	1576.0	8.8	.0150	.126	.126	1	.00
76	.006	.475	4	841.4	3363.7	4205.1	1.000	12.2	1581.8	1570.0	12.2	1576.1	8.8	.0150	.126	.124	0	.00
76	.006	.475	4	841.4	3361.5	4202.8	1.000	12.2	1581.8	1570.0	12.2	1576.1	8.8	.0150	.124	.124	1	.00
77	.006	.481	4	841.1	3425.0	4266.1	1.000	12.3	1581.8	1570.0	12.3	1576.2	8.7	.0150	.124	.122	0	.00
77	.006	.481	4	841.1	3422.8	4263.9	1.000	12.3	1581.8	1570.0	12.3	1576.2	8.7	.0150	.122	.122	1	.00
78	.006	.487	4	840.8	3485.5	4326.4	1.000	12.5	1581.8	1570.0	12.5	1576.2	8.7	.0150	.122	.120	0	.00
78	.006	.487	4	840.8	3483.4	4324.2	1.000	12.5	1581.8	1570.0	12.5	1576.2	8.7	.0150	.120	.120	1	.00
79	.006	.494	4	840.6	3545.3	4385.9	1.000	12.6	1581.8	1570.0	12.6	1576.3	8.7	.0150	.120	.118	0	.00
79	.006	.494	4	840.6	3543.2	4383.8	1.000	12.6	1581.8	1570.0	12.6	1576.3	8.7	.0150	.118	.118	1	.00
80	.006	.500	4	840.3	3604.4	4444.7	1.000	12.7	1581.8	1570.0	12.7	1576.3	8.6	.0150	.118	.116	0	.00
80	.006	.500	4	840.3	3602.4	4442.6	1.000	12.7	1581.8	1570.0	12.7	1576.3	8.6	.0150	.116	.116	1	.00
81	.006	.506	4	840.0	3662.9	4502.9	1.000	12.8	1581.8	1570.0	12.8	1576.4	8.6	.0150	.116	.114	0	.00
[illegible]	.006	.506	4	840.0	3660.9	4500.9	1.000	12.8	1581.8	1570.0	12.8	1576.4	8.6	.0150	.114	.114	1	.00
[illegible]	.006	.512	4	839.7	3720.6	4560.3	1.000	12.9	1581.8	1570.0	12.9	1576.5	8.5	.0150	.114	.112	0	.00
82	.006	.512	4	839.7	3718.6	4558.3	1.000	12.9	1581.8	1570.0	12.9	1576.5	8.5	.0150	.112	.112	1	.00
83	.006	.519	4	839.4	3777.7	4617.1	1.000	13.0	1581.8	1570.0	13.0	1576.5	8.5	.0150	.112	.110	0	.00
83	.006	.519	4	839.4	3775.7	4615.1	1.000	13.0	1581.8	1570.0	13.0	1576.5	8.5	.0150	.110	.110	1	.00
84	.006	.525	4	839.1	3834.0	4673.1	1.000	13.1	1581.8	1570.0	13.1	1576.6	8.5	.0150	.110	.109	0	.00
84	.006	.525	4	839.1	3832.1	4671.2	1.000	13.1	1581.8	1570.0	13.1	1576.6	8.5	.0150	.109	.109	1	.00
85	.006	.531	4	838.8	3889.7	4728.5	1.000	13.2	1581.8	1570.0	13.2	1576.6	8.4	.0150	.109	.107	0	.00
85	.006	.531	4	838.8	3887.9	4726.6	1.000	13.2	1581.8	1570.0	13.2	1576.6	8.4	.0150	.107	.107	1	.00
86	.006	.537	4	838.5	3944.7	4783.2	1.000	13.3	1581.7	1570.0	13.3	1576.7	8.4	.0150	.107	.105	0	.00
86	.006	.537	4	838.5	3942.9	4781.4	1.000	13.3	1581.7	1570.0	13.3	1576.7	8.4	.0150	.105	.105	1	.00
87	.006	.544	4	838.2	3999.0	4837.2	1.000	13.4	1581.7	1570.0	13.4	1576.7	8.4	.0150	.105	.104	0	.00
87	.006	.544	4	838.2	3997.2	4835.4	1.000	13.4	1581.7	1570.0	13.4	1576.7	8.4	.0150	.104	.104	1	.00
88	.006	.550	4	837.8	4052.7	4890.5	1.000	13.5	1581.7	1570.0	13.5	1576.8	8.3	.0150	.104	.102	0	.00
88	.006	.550	4	837.8	4050.9	4888.7	1.000	13.5	1581.7	1570.0	13.5	1576.8	8.3	.0150	.102	.102	1	.00
89	.006	.556	4	837.5	4105.7	4943.2	1.000	13.6	1581.7	1570.0	13.6	1576.8	8.3	.0150	.102	.101	0	.00
89	.006	.556	4	837.5	4104.0	4941.5	1.000	13.6	1581.7	1570.0	13.6	1576.8	8.3	.0150	.101	.101	1	.00
90	.006	.562	4	837.2	4158.0	4995.2	1.000	13.7	1581.7	1570.0	13.7	1576.9	8.3	.0150	.101	.099	0	.00
90	.006	.562	4	837.2	4156.3	4993.5	1.000	13.7	1581.7	1570.0	13.7	1576.9	8.3	.0150	.099	.099	1	.00
91	.006	.569	4	836.9	4209.7	5046.5	1.000	13.8	1581.7	1570.0	13.8	1576.9	8.2	.0150	.099	.098	0	.00
91	.006	.569	4	836.9	4208.0	5044.9	1.000	13.8	1581.7	1570.0	13.8	1576.9	8.2	.0150	.098	.098	1	.00
92	.006	.575	4	836.5	4260.7	5097.2	1.000	13.9	1581.7	1570.0	13.9	1577.0	8.2	.0150	.098	.096	0	.00
92	.006	.575	4	836.5	4259.1	5095.6	1.000	13.9	1581.7	1570.0	13.9	1577.0	8.2	.0150	.096	.096	1	.00
93	.006	.581	4	836.2	4311.1	5147.2	1.000	14.0	1581.7	1570.0	14.0	1577.0	8.2	.0150	.096	.095	0	.00
93	.006	.581	4	836.2	4309.5	5145.6	1.000	14.0	1581.7	1570.0	14.0	1577.0	8.2	.0150	.095	.095	1	.00
94	.006	.587	4	835.8	4360.8	5196.6	1.000	14.1	1581.7	1570.0	14.1	1577.1	8.1	.0150	.095	.094	0	.00
[illegible]	.006	.587	4	835.8	4359.2	5195.1	1.000	14.1	1581.7	1570.0	14.1	1577.1	8.1	.0150	.094	.094	1	.00
[illegible]	.006	.594	4	835.5	4409.9	5245.4	1.000	14.2	1581.7	1570.0	14.2	1577.1	8.1	.0150	.094	.092	0	.00
95	.006	.594	4	835.5	4408.4	5243.9	1.000	14.2	1581.7	1570.0	14.2	1577.1	8.1	.0150	.092	.092	1	.00
96	.006	.600	4	835.1	4458.3	5293.5	1.000	14.3	1581.6	1570.0	14.3	1577.1	8.1	.0150	.092	.091	0	.00
96	.006	.600	4	835.1	4456.8	5292.0	1.000	14.3	1581.6	1570.0	14.3	1577.1	8.1	.0150	.091	.091	1	.00

97	.006	.606	4	834.8	4506.2	5340.9	1.000	14.4	1581.6	1570.0	14.4	1577.2	8.0	.0150	.091	.090	0	.00
97	.006	.606	4	834.8	4504.7	5339.5	1.000	14.4	1581.6	1570.0	14.4	1577.2	8.0	.0150	.090	.090	1	.00
98	.006	.613	4	834.4	4553.4	5387.8	1.000	14.5	1581.6	1570.0	14.5	1577.2	8.0	.0150	.090	.088	0	.00
[illegible]	.006	.613	4	834.4	4552.0	5386.4	1.000	14.5	1581.6	1570.0	14.5	1577.2	8.0	.0150	.088	.088	1	.00
[illegible]	.006	.619	4	834.0	4600.0	5434.0	1.000	14.6	1581.6	1570.0	14.6	1577.3	8.0	.0150	.088	.087	0	.00
99	.006	.619	4	834.0	4598.6	5432.6	1.000	14.6	1581.6	1570.0	14.6	1577.3	8.0	.0150	.087	.087	1	.00
100	.006	.625	4	833.6	4645.9	5479.6	1.000	14.6	1581.6	1570.0	14.6	1577.3	7.9	.0150	.087	.086	0	.00

PROJECT TITLE : PIPING BREACH ANALYSIS

PROJECT NUMBER : S-22 SPOOK HILL FRS 6/27/1990

Step I	Time Step (hr) DTH	Elpse Time (hr) T	Fail Code KG	Spillway Outflow (cfs) QTS	Breach Outflow (cfs) QB	Total Outflow (cfs) QTOT	Sbmrg Crctn Factr SUB	Brech Top Width (ft) BT	Rsrvor W. S. Elev. (ft - MSL) HY	Breach Bottom Elev. (ft - MSL) HC	Brech Bottm Width (ft) BO	Top of Pipe Breach (ft) PPP	Piping Head (ft) HP	Brech Manig (n) CNN	Estmte Erosin Depth Incrse (ft) DH	Comput Erosin Depth Incrse (ft) DHH	Itrtn Count KIT	Brech Vrtcl Side Angle (deg) ALG
100	.006	.625	4	833.6	4644.5	5478.2	1.000	14.6	1581.6	1570.0	14.6	1577.3	7.9	.0150	.086	.086	1	.00
101	.006	.631	4	833.3	4691.3	5524.6	1.000	14.7	1581.6	1570.0	14.7	1577.4	7.9	.0150	.086	.085	0	.00
101	.006	.631	4	833.3	4690.0	5523.2	1.000	14.7	1581.6	1570.0	14.7	1577.4	7.9	.0150	.085	.085	1	.00
102	.006	.638	4	832.9	4736.0	5568.9	1.000	14.8	1581.6	1570.0	14.8	1577.4	7.9	.0150	.085	.084	0	.00
102	.006	.638	4	832.9	4734.7	5567.6	1.000	14.8	1581.6	1570.0	14.8	1577.4	7.9	.0150	.084	.084	1	.00
103	.006	.644	4	832.5	4780.2	5612.7	1.000	14.9	1581.6	1570.0	14.9	1577.4	7.8	.0150	.084	.083	0	.00
103	.006	.644	4	832.5	4778.9	5611.4	1.000	14.9	1581.6	1570.0	14.9	1577.4	7.9	.0150	.083	.083	1	.00
104	.006	.650	4	832.1	4823.8	5655.9	1.000	15.0	1581.6	1570.0	15.0	1577.5	7.8	.0150	.083	.081	0	.00
104	.006	.650	4	832.1	4822.5	5654.6	1.000	15.0	1581.6	1570.0	15.0	1577.5	7.8	.0150	.081	.081	1	.00
105	.006	.656	4	831.7	4866.7	5698.4	1.000	15.0	1581.5	1570.0	15.0	1577.5	7.8	.0150	.081	.080	0	.00
105	.006	.656	4	831.7	4865.4	5697.1	1.000	15.0	1581.5	1570.0	15.0	1577.5	7.8	.0150	.080	.080	1	.00
106	.006	.663	4	831.3	4909.1	5740.4	1.000	15.1	1581.5	1570.0	15.1	1577.6	7.8	.0150	.080	.079	0	.00
106	.006	.663	4	831.3	4907.8	5739.2	1.000	15.1	1581.5	1570.0	15.1	1577.6	7.8	.0150	.079	.079	1	.00
107	.006	.669	4	830.9	4950.9	5781.8	1.000	15.2	1581.5	1570.0	15.2	1577.6	7.7	.0150	.079	.078	0	.00
107	.006	.669	4	830.9	4949.6	5780.5	1.000	15.2	1581.5	1570.0	15.2	1577.6	7.7	.0150	.078	.078	1	.00
108	.006	.675	4	830.5	4992.0	5822.5	1.000	15.3	1581.5	1570.0	15.3	1577.6	7.7	.0150	.078	.077	0	.00
[illegible]	.006	.675	4	830.5	4990.8	5821.3	1.000	15.3	1581.5	1570.0	15.3	1577.6	7.7	.0150	.077	.077	1	.00

Pipe Flow to Weir Flow Transition

Slump Counter (KSLUMP)	3
Depth of Vertical Cut when Slump Occurs (ft, HCK)	18.43
Delay in Erosion as Slump Material is Transported (hr, DELT)	.07
Total Change in Side Angle due to Slump Failure (degree, DEL)	49.88

I	Step Time (hr) DTH	Elpse Time (hr) T	Fail Code KG	Spillway Outflow (cfs) QTS	Breach Outflow (cfs) QB	Total Outflow (cfs) QTOT	Sbmrg Crctn Factr SUB	Brech Top Width (ft) BT	Rsrvor W. S. Elev. (ft - MSL) HY	Breach Bottom Elev. (ft - MSL) HC	Brech Bottm Width (ft) BO	Breach Width Incres (ft) PPP	Breach Flow Depth (ft) HP	Brech Manig (n) CNN	Estmte Erosin Depth Incrse (ft) DH	Comput Erosin Depth Incrse (ft) DHH	Itrtn Count KIT	Brech Vrtcl Side Angle (deg) ALG
110	.006	.688	3	830.1	4901.4	5731.5	1.000	25.4	1581.5	1570.0	15.3	.0	7.7	.0150	.000	.000	0	13.60
111	.006	.694	3	829.3	4974.6	5803.9	1.000	29.0	1581.5	1570.0	15.3	.0	7.7	.0150	.000	.000	0	18.14
112	.006	.700	3	828.3	5052.0	5880.3	1.000	32.8	1581.5	1570.0	15.3	.0	7.7	.0150	.000	.000	0	22.67
113	.006	.706	3	827.4	5134.7	5962.1	1.000	36.9	1581.5	1570.0	15.3	.0	7.7	.0150	.000	.000	0	27.20
114	.006	.713	3	826.4	5224.6	6051.0	1.000	41.3	1581.5	1570.0	15.3	.0	7.6	.0150	.000	.000	0	31.74
115	.006	.719	3	825.4	5324.3	6149.7	1.000	46.1	1581.4	1570.0	15.3	.0	7.6	.0150	.000	.000	0	36.27
116	.006	.725	3	824.5	5437.1	6261.5	1.000	51.5	1581.4	1570.0	15.3	.0	7.6	.0150	.000	.000	0	40.81
117	.006	.731	3	823.4	5567.2	6390.6	1.000	57.8	1581.4	1570.0	15.3	.0	7.6	.0150	.000	.000	0	45.34
118	.006	.738	3	822.4	5721.2	6543.6	1.000	65.1	1581.4	1570.0	15.3	.0	7.6	.0150	.000	.000	0	49.88
119	.006	.744	3	821.3	5705.8	6527.1	1.000	65.1	1581.4	1570.0	15.3	.0	7.6	.0150	.000	.000	0	49.88
120	.006	.750	3	820.2	5690.1	6510.3	1.000	65.1	1581.4	1570.0	15.3	.0	7.6	.0150	.000	.000	0	49.88
121	.006	.756	3	819.1	5674.6	6493.7	1.000	65.1	1581.4	1570.0	15.3	.0	7.6	.0150	.000	.135	0	49.88
121	.006	.756	3	819.1	5705.6	6524.7	1.000	65.4	1581.4	1570.0	15.5	.3	7.6	.0150	.135	.137	1	49.88
121	.006	.756	3	819.1	5705.9	6525.0	1.000	65.4	1581.4	1570.0	15.5	.3	7.6	.0150	.137	.137	2	49.88
122	.006	.763	3	818.0	5721.5	6539.6	1.000	65.7	1581.4	1570.0	15.8	.3	7.6	.0150	.137	.138	0	49.88
122	.006	.763	3	818.0	5721.9	6539.9	1.000	65.7	1581.4	1570.0	15.8	.3	7.6	.0150	.138	.138	1	49.88
[illegible]	.006	.769	3	816.9	5737.8	6554.8	1.000	65.9	1581.3	1570.0	16.1	.3	7.6	.0150	.138	.140	0	49.88
[illegible]	.006	.769	3	816.9	5738.2	6555.1	1.000	65.9	1581.3	1570.0	16.1	.3	7.6	.0150	.140	.140	1	49.88
124	.006	.775	3	815.8	5754.3	6570.1	1.000	66.2	1581.3	1570.0	16.4	.3	7.6	.0150	.140	.142	0	49.88
124	.006	.775	3	815.8	5754.6	6570.5	1.000	66.2	1581.3	1570.0	16.4	.3	7.5	.0150	.142	.142	1	49.88
125	.006	.781	3	814.7	5770.8	6585.5	1.000	66.5	1581.3	1570.0	16.7	.3	7.5	.0150	.142	.143	0	49.88
125	.006	.781	3	814.7	5771.2	6585.9	1.000	66.5	1581.3	1570.0	16.7	.3	7.5	.0150	.143	.143	1	49.88
126	.006	.788	3	813.6	5787.7	6601.2	1.000	66.8	1581.3	1570.0	17.0	.3	7.5	.0150	.143	.145	0	49.88
126	.006	.788	3	813.6	5788.0	6601.6	1.000	66.8	1581.3	1570.0	17.0	.3	7.5	.0150	.145	.145	1	49.88
127	.006	.794	3	812.5	5804.8	6617.2	1.000	67.1	1581.3	1570.0	17.3	.3	7.5	.0150	.145	.147	0	49.88
127	.006	.794	3	812.5	5805.1	6617.6	1.000	67.1	1581.3	1570.0	17.3	.3	7.5	.0150	.147	.147	1	49.88
128	.006	.800	3	811.4	5822.0	6633.4	1.000	67.4	1581.3	1570.0	17.6	.3	7.5	.0150	.147	.149	0	49.88
128	.006	.800	3	811.4	5822.4	6633.7	1.000	67.4	1581.3	1570.0	17.6	.3	7.5	.0150	.149	.149	1	49.88
129	.006	.806	3	810.2	5839.4	6649.6	1.000	67.7	1581.3	1570.0	17.9	.3	7.5	.0150	.149	.150	0	49.88
129	.006	.806	3	810.2	5839.8	6650.0	1.000	67.7	1581.3	1570.0	17.9	.3	7.5	.0150	.150	.150	1	49.88
130	.006	.813	3	809.1	5857.0	6666.1	1.000	68.0	1581.2	1570.0	18.2	.3	7.5	.0150	.150	.152	0	49.88
130	.006	.813	3	809.1	5857.4	6666.5	1.000	68.0	1581.2	1570.0	18.2	.3	7.5	.0150	.152	.152	1	49.88
131	.006	.819	3	807.9	5874.8	6682.8	1.000	68.3	1581.2	1570.0	18.5	.3	7.5	.0150	.152	.154	0	49.88
131	.006	.819	3	807.9	5875.2	6683.2	1.000	68.3	1581.2	1570.0	18.5	.3	7.5	.0150	.154	.154	1	49.88
132	.006	.825	3	806.8	5892.9	6699.7	1.000	68.6	1581.2	1570.0	18.8	.3	7.5	.0150	.154	.156	0	49.88
132	.006	.825	3	806.8	5893.3	6700.1	1.000	68.6	1581.2	1570.0	18.8	.3	7.5	.0150	.156	.156	1	49.88
133	.006	.831	3	805.7	5911.1	6716.7	1.000	68.9	1581.2	1570.0	19.1	.3	7.5	.0150	.156	.157	0	49.88
133	.006	.831	3	805.7	5911.5	6717.1	1.000	68.9	1581.2	1570.0	19.1	.3	7.5	.0150	.157	.157	1	49.88
134	.006	.838	3	804.5	5929.6	6734.1	1.000	69.2	1581.2	1570.0	19.4	.3	7.5	.0150	.157	.159	0	49.88
134	.006	.838	3	804.5	5930.0	6734.5	1.000	69.2	1581.2	1570.0	19.4	.3	7.5	.0150	.159	.159	1	49.88
135	.006	.844	3	803.3	5948.2	6751.5	1.000	69.6	1581.2	1570.0	19.7	.3	7.5	.0150	.159	.160	0	49.88
135	.006	.844	3	803.3	5948.4	6751.7	1.000	69.6	1581.2	1570.0	19.7	.3	7.4	.0150	.160	.160	1	49.88
[illegible]	.006	.850	3	802.2	5966.6	6768.7	1.000	69.9	1581.2	1570.0	20.1	.3	7.4	.0150	.160	.161	0	49.88
[illegible]	.006	.850	3	802.2	5966.7	6768.9	1.000	69.9	1581.2	1570.0	20.1	.3	7.4	.0150	.161	.161	1	49.88
136	.006	.850	3	802.2	5966.6	6768.8	1.000	69.9	1581.2	1570.0	20.1	.3	7.4	.0150	.161	.161	2	49.88
137	.006	.856	3	801.0	5984.7	6785.7	1.000	70.2	1581.1	1570.0	20.4	.3	7.4	.0150	.161	.161	0	49.88

137	.006	.856	3	801.0	5984.9	6785.8	1.000	70.2	1581.1	1570.0	20.4	.3	7.3	.0150	.161	.161	1 49.88
138	.006	.863	3	799.8	6002.8	6802.6	1.000	70.5	1581.1	1570.0	20.7	.3	7.3	.0150	.161	.162	0 49.88
138	.006	.863	3	799.8	6002.9	6802.7	1.000	70.5	1581.1	1570.0	20.7	.3	7.3	.0150	.162	.162	1 49.88
[illegible]	.006	.869	3	798.6	6020.9	6819.5	1.000	70.9	1581.1	1570.0	21.0	.3	7.3	.0150	.162	.162	0 49.88
[illegible]	.006	.869	3	798.6	6021.0	6819.6	1.000	70.9	1581.1	1570.0	21.0	.3	7.3	.0150	.162	.162	1 49.88
139	.006	.869	3	798.6	6020.9	6819.6	1.000	70.9	1581.1	1570.0	21.0	.3	7.2	.0150	.162	.162	2 49.88
140	.006	.875	3	797.4	6038.6	6836.1	1.000	71.2	1581.1	1570.0	21.3	.3	7.2	.0150	.162	.162	0 49.88
140	.006	.875	3	797.4	6038.8	6836.2	1.000	71.2	1581.1	1570.0	21.3	.3	7.2	.0150	.162	.163	1 49.88
141	.006	.881	3	796.3	6056.5	6852.7	1.000	71.5	1581.1	1570.0	21.7	.3	7.2	.0150	.162	.163	0 49.88
141	.006	.881	3	796.3	6056.6	6852.8	1.000	71.5	1581.1	1570.0	21.7	.3	7.2	.0150	.163	.163	1 49.88
142	.006	.888	3	795.0	6074.1	6869.2	1.000	71.8	1581.1	1570.0	22.0	.3	7.2	.0150	.163	.164	0 49.88
142	.006	.888	3	795.0	6074.2	6869.3	1.000	71.8	1581.1	1570.0	22.0	.3	7.1	.0150	.164	.164	1 49.88
143	.006	.894	3	793.8	6091.6	6885.4	1.000	72.2	1581.0	1570.0	22.3	.3	7.1	.0150	.164	.164	0 49.88
143	.006	.894	3	793.8	6091.7	6885.6	1.000	72.2	1581.0	1570.0	22.3	.3	7.1	.0150	.164	.164	1 49.88
144	.006	.900	3	792.6	6109.1	6901.7	1.000	72.5	1581.0	1570.0	22.7	.3	7.1	.0150	.164	.165	0 49.88
144	.006	.900	3	792.6	6109.2	6901.8	1.000	72.5	1581.0	1570.0	22.7	.3	7.1	.0150	.165	.164	1 49.88
144	.006	.900	3	792.6	6109.1	6901.7	1.000	72.5	1581.0	1570.0	22.7	.3	7.0	.0150	.164	.164	2 49.88
145	.006	.906	3	791.4	6126.2	6917.6	1.000	72.8	1581.0	1570.0	23.0	.3	7.0	.0150	.164	.165	0 49.88
145	.006	.906	3	791.4	6126.3	6917.7	1.000	72.8	1581.0	1570.0	23.0	.3	7.0	.0150	.165	.165	1 49.88
146	.006	.913	3	790.2	6143.4	6933.6	1.000	73.2	1581.0	1570.0	23.3	.3	7.0	.0150	.165	.165	0 49.88
146	.006	.913	3	790.2	6143.5	6933.7	1.000	73.2	1581.0	1570.0	23.3	.3	7.0	.0150	.165	.165	1 49.88
147	.006	.919	3	789.0	6160.4	6949.3	1.000	73.5	1581.0	1570.0	23.6	.3	7.0	.0150	.165	.166	0 49.88
147	.006	.919	3	789.0	6160.5	6949.4	1.000	73.5	1581.0	1570.0	23.7	.3	6.9	.0150	.166	.166	1 49.88
148	.006	.925	3	787.7	6177.2	6964.9	1.000	73.8	1581.0	1570.0	24.0	.3	6.9	.0150	.166	.166	0 49.88
148	.006	.925	3	787.7	6177.3	6965.0	1.000	73.8	1581.0	1570.0	24.0	.3	6.9	.0150	.166	.166	1 49.88
149	.006	.931	3	786.5	6193.9	6980.4	1.000	74.1	1581.0	1570.0	24.3	.3	6.9	.0150	.166	.167	0 49.88
149	.006	.931	3	786.5	6194.0	6980.5	1.000	74.1	1581.0	1570.0	24.3	.3	6.9	.0150	.167	.167	1 49.88
150	.006	.938	3	785.2	6210.5	6995.7	1.000	74.5	1580.9	1570.0	24.6	.3	6.9	.0150	.167	.167	0 49.88

Step I	Time Step (hr) DTH	Elpse Time (hr) T	Fail Code KG	Spillway Outflow (cfs) QTS	Breach Outflow (cfs) QB	Total Outflow (cfs) QTOT	Sbmrg Crctn Factr SUB	Brech Top Width (ft) BT	Rsrvor W. S. Elev. (ft - MSL) HY	Breach Bottom Elev. (ft - MSL) HC	Brech Bottm Width (ft) BO	Breach Width Incres (ft) PPP	Breach Flow Depth (ft) HP	Brech Manig (n) CNN	Estmte Erosin Depth Incrse (ft) DH	Comput Erosin Depth Incrse (ft) DHH	Itrtn Count KIT	Brech Vrtcl Side Angle (deg) ALG
150	.006	.938	3	785.2	6210.6	6995.8	1.000	74.5	1580.9	1570.0	24.7	.3	6.8	.0150	.167	.167	1	49.88
151	.006	.944	3	784.0	6227.0	7011.0	1.000	74.8	1580.9	1570.0	25.0	.3	6.8	.0150	.167	.168	0	49.88
151	.006	.944	3	784.0	6227.2	7011.1	1.000	74.8	1580.9	1570.0	25.0	.3	6.8	.0150	.168	.168	1	49.88
152	.006	.950	3	782.7	6243.5	7026.2	1.000	75.2	1580.9	1570.0	25.3	.3	6.8	.0150	.168	.168	0	49.88
153	.006	.956	3	781.5	6259.6	7041.1	1.000	75.5	1580.9	1570.0	25.7	.3	6.7	.0150	.168	.168	0	49.88
154	.006	.963	3	780.2	6275.5	7055.7	1.000	75.8	1580.9	1570.0	26.0	.3	6.7	.0150	.168	.169	0	49.88
154	.006	.963	3	780.2	6275.7	7055.9	1.000	75.8	1580.9	1570.0	26.0	.3	6.7	.0150	.169	.169	1	49.88
155	.006	.969	3	778.9	6291.5	7070.4	1.000	76.2	1580.9	1570.0	26.3	.3	6.7	.0150	.169	.169	0	49.88
156	.006	.975	3	777.6	6307.1	7084.7	1.000	76.5	1580.8	1570.0	26.7	.3	6.6	.0150	.169	.170	0	49.88
156	.006	.975	3	777.6	6307.3	7084.9	1.000	76.5	1580.8	1570.0	26.7	.3	6.6	.0150	.170	.170	1	49.88
157	.006	.981	3	776.3	6322.8	7099.1	1.000	76.8	1580.8	1570.0	27.0	.3	6.6	.0150	.170	.170	0	49.88
158	.006	.988	3	775.0	6338.2	7113.2	1.000	77.2	1580.8	1570.0	27.4	.3	6.6	.0150	.170	.171	0	49.88
158	.006	.988	3	775.0	6338.3	7113.4	1.000	77.2	1580.8	1570.0	27.4	.3	6.5	.0150	.171	.171	1	49.88
159	.006	.994	3	773.7	6353.6	7127.3	1.000	77.5	1580.8	1570.0	27.7	.3	6.5	.0150	.171	.171	0	49.88
160	.006	1.000	3	772.4	6368.5	7140.9	1.000	77.9	1580.8	1570.0	28.0	.3	6.5	.0150	.171	.172	0	49.88
[illegible]	.006	1.000	3	772.4	6368.7	7141.1	1.000	77.9	1580.8	1570.0	28.0	.3	6.5	.0150	.172	.171	1	49.88
[illegible]	.006	1.006	3	771.1	6383.6	7154.8	1.000	78.2	1580.8	1570.0	28.4	.3	6.5	.0150	.172	.171	0	49.88
162	.006	1.013	3	769.8	6398.2	7168.1	1.000	78.6	1580.7	1570.0	28.7	.3	6.4	.0150	.172	.172	0	49.88
162	.006	1.013	3	769.8	6398.4	7168.2	1.000	78.6	1580.7	1570.0	28.7	.3	6.4	.0150	.172	.172	1	49.88
163	.006	1.019	3	768.5	6413.0	7181.5	1.000	78.9	1580.7	1570.0	29.1	.3	6.4	.0150	.172	.172	0	49.88
164	.006	1.025	3	767.2	6427.4	7194.5	1.000	79.3	1580.7	1570.0	29.4	.3	6.4	.0150	.172	.173	0	49.88
164	.006	1.025	3	767.2	6427.5	7194.7	1.000	79.3	1580.7	1570.0	29.4	.3	6.3	.0150	.173	.173	1	49.88
165	.006	1.031	3	765.8	6441.7	7207.5	1.000	79.6	1580.7	1570.0	29.8	.3	6.3	.0150	.173	.174	0	49.88
165	.006	1.031	3	765.8	6441.8	7207.6	1.000	79.6	1580.7	1570.0	29.8	.3	6.3	.0150	.174	.174	1	49.88
166	.006	1.038	3	764.5	6455.9	7220.4	1.000	79.9	1580.7	1570.0	30.1	.3	6.3	.0150	.174	.174	0	49.88
166	.006	1.038	3	764.5	6455.9	7220.4	1.000	79.9	1580.7	1570.0	30.1	.3	6.3	.0150	.174	.173	1	49.88
167	.006	1.044	3	763.1	6469.7	7232.8	1.000	80.3	1580.7	1570.0	30.5	.3	6.3	.0150	.174	.174	0	49.88
167	.006	1.044	3	763.1	6469.8	7233.0	1.000	80.3	1580.7	1570.0	30.5	.3	6.3	.0150	.174	.174	1	49.88
168	.006	1.050	3	761.8	6483.4	7245.2	1.000	80.6	1580.6	1570.0	30.8	.3	6.3	.0150	.174	.174	0	49.88
168	.006	1.050	3	761.8	6483.4	7245.2	1.000	80.6	1580.6	1570.0	30.8	.3	6.2	.0150	.174	.175	1	49.88
168	.006	1.050	3	761.8	6483.5	7245.3	1.000	80.6	1580.6	1570.0	30.8	.3	6.2	.0150	.175	.175	2	49.88
169	.006	1.056	3	760.4	6497.1	7257.5	1.000	81.0	1580.6	1570.0	31.2	.3	6.2	.0150	.175	.175	0	49.88
169	.006	1.056	3	760.4	6497.0	7257.5	1.000	81.0	1580.6	1570.0	31.2	.3	6.2	.0150	.175	.175	1	49.88
169	.006	1.056	3	760.4	6497.2	7257.6	1.000	81.0	1580.6	1570.0	31.2	.4	6.2	.0150	.175	.175	2	49.88
170	.006	1.063	3	759.1	6510.7	7269.7	1.000	81.3	1580.6	1570.0	31.5	.4	6.2	.0150	.175	.175	0	49.88
170	.006	1.063	3	759.1	6510.5	7269.5	1.000	81.3	1580.6	1570.0	31.5	.4	6.2	.0150	.175	.175	1	49.88
171	.006	1.069	3	757.7	6523.6	7281.3	1.000	81.7	1580.6	1570.0	31.9	.4	6.2	.0150	.175	.176	0	49.88
171	.006	1.069	3	757.7	6523.7	7281.4	1.000	81.7	1580.6	1570.0	31.9	.4	6.1	.0150	.176	.176	1	49.88
172	.006	1.075	3	756.3	6536.6	7293.0	1.000	82.0	1580.6	1570.0	32.2	.4	6.1	.0150	.176	.176	0	49.88
172	.006	1.075	3	756.3	6536.8	7293.1	1.000	82.0	1580.6	1570.0	32.2	.4	6.1	.0150	.176	.176	1	49.88
173	.006	1.081	3	754.9	6549.7	7304.6	1.000	82.4	1580.6	1570.0	32.6	.4	6.1	.0150	.176	.176	0	49.88
[illegible]	.006	1.081	3	754.9	6549.6	7304.6	1.000	82.4	1580.6	1570.0	32.6	.4	6.1	.0150	.176	.176	1	49.88
[illegible]	.006	1.088	3	753.6	6562.1	7315.7	1.000	82.8	1580.5	1570.0	32.9	.4	6.1	.0150	.176	.177	0	49.88
174	.006	1.088	3	753.6	6562.2	7315.8	1.000	82.8	1580.5	1570.0	32.9	.4	6.0	.0150	.177	.176	1	49.88
175	.006	1.094	3	752.2	6574.5	7326.7	1.000	83.1	1580.5	1570.0	33.3	.4	6.0	.0150	.177	.177	0	49.88
175	.006	1.094	3	752.2	6574.7	7326.8	1.000	83.1	1580.5	1570.0	33.3	.4	6.0	.0150	.177	.177	1	49.88

176	.006	1.100	3	750.8	6586.9	7337.7	1.000	83.5	1580.5	1570.0	33.6	.4	6.0	.0150	.177	.177	0 49.88
176	.006	1.100	3	750.8	6586.9	7337.6	1.000	83.5	1580.5	1570.0	33.6	.4	6.0	.0150	.177	.178	1 49.88
176	.006	1.100	3	750.8	6587.0	7337.8	1.000	83.5	1580.5	1570.0	33.6	.4	6.0	.0150	.178	.177	2 49.88
[illegible]	.006	1.106	3	748.8	6599.0	7347.8	1.000	83.8	1580.5	1570.0	34.0	.4	6.0	.0150	.178	.177	0 49.88
[illegible]	.006	1.106	3	748.8	6598.9	7347.7	1.000	83.8	1580.5	1570.0	34.0	.4	6.0	.0150	.177	.177	1 49.88
178	.006	1.113	3	746.1	6610.6	7356.7	1.000	84.2	1580.5	1570.0	34.3	.4	6.0	.0150	.177	.178	0 49.88
178	.006	1.113	3	746.1	6610.7	7356.8	1.000	84.2	1580.5	1570.0	34.3	.4	5.9	.0150	.178	.178	1 49.88
179	.006	1.119	3	743.5	6622.2	7365.7	1.000	84.5	1580.5	1570.0	34.7	.4	5.9	.0150	.178	.178	0 49.88
179	.006	1.119	3	743.5	6622.3	7365.8	1.000	84.5	1580.5	1570.0	34.7	.4	5.9	.0150	.178	.178	1 49.88
180	.006	1.125	3	740.8	6633.8	7374.7	1.000	84.9	1580.4	1570.0	35.1	.4	5.9	.0150	.178	.178	0 49.88
180	.006	1.125	3	740.8	6633.8	7374.6	1.000	84.9	1580.4	1570.0	35.1	.4	5.9	.0150	.178	.179	1 49.88
180	.006	1.125	3	740.8	6633.9	7374.7	1.000	84.9	1580.4	1570.0	35.1	.4	5.9	.0150	.179	.179	2 49.88
181	.006	1.131	3	738.1	6645.0	7383.1	1.000	85.2	1580.4	1570.0	35.4	.4	5.9	.0150	.179	.178	0 49.88
181	.006	1.131	3	738.1	6644.9	7383.0	1.000	85.2	1580.4	1570.0	35.4	.4	5.8	.0150	.178	.179	1 49.88
181	.006	1.131	3	738.1	6645.1	7383.2	1.000	85.2	1580.4	1570.0	35.4	.4	5.9	.0150	.179	.179	2 49.88
182	.006	1.138	3	735.5	6656.2	7391.7	1.000	85.6	1580.4	1570.0	35.8	.4	5.9	.0150	.179	.179	0 49.88
182	.006	1.138	3	735.5	6656.1	7391.6	1.000	85.6	1580.4	1570.0	35.8	.4	5.8	.0150	.179	.179	1 49.88
183	.006	1.144	3	732.8	6666.7	7399.4	1.000	86.0	1580.4	1570.0	36.1	.4	5.8	.0150	.179	.179	0 49.88
183	.006	1.144	3	732.8	6666.8	7399.5	1.000	86.0	1580.4	1570.0	36.1	.4	5.8	.0150	.179	.179	1 49.88
184	.006	1.150	3	730.0	6677.3	7407.3	1.000	86.3	1580.4	1570.0	36.5	.4	5.8	.0150	.179	.180	0 49.88
184	.006	1.150	3	730.0	6677.4	7407.4	1.000	86.3	1580.4	1570.0	36.5	.4	5.8	.0150	.180	.180	1 49.88
185	.006	1.156	3	727.3	6687.8	7415.1	1.000	86.7	1580.3	1570.0	36.8	.4	5.8	.0150	.180	.180	0 49.88
185	.006	1.156	3	727.3	6687.9	7415.2	1.000	86.7	1580.3	1570.0	36.8	.4	5.7	.0150	.180	.180	1 49.88
186	.006	1.163	3	724.6	6698.1	7422.7	1.000	87.0	1580.3	1570.0	37.2	.4	5.7	.0150	.180	.180	0 49.88
186	.006	1.163	3	724.6	6698.0	7422.6	1.000	87.0	1580.3	1570.0	37.2	.4	5.7	.0150	.180	.181	1 49.88
186	.006	1.163	3	724.6	6698.1	7422.7	1.000	87.0	1580.3	1570.0	37.2	.4	5.7	.0150	.181	.180	2 49.88
187	.006	1.169	3	721.9	6708.0	7429.9	1.000	87.4	1580.3	1570.0	37.6	.4	5.7	.0150	.181	.180	0 49.88
187	.006	1.169	3	721.9	6707.9	7429.8	1.000	87.4	1580.3	1570.0	37.6	.4	5.7	.0150	.180	.181	1 49.88
187	.006	1.169	3	721.9	6708.1	7429.9	1.000	87.4	1580.3	1570.0	37.6	.4	5.7	.0150	.181	.181	2 49.88
[illegible]	.006	1.175	3	719.1	6717.8	7437.0	1.000	87.8	1580.3	1570.0	37.9	.4	5.7	.0150	.181	.180	0 49.88
[illegible]	.006	1.175	3	719.1	6717.8	7436.9	1.000	87.8	1580.3	1570.0	37.9	.4	5.7	.0150	.180	.180	1 49.88
189	.006	1.181	3	716.3	6727.1	7443.4	1.000	88.1	1580.3	1570.0	38.3	.4	5.7	.0150	.180	.181	0 49.88
189	.006	1.181	3	716.3	6727.2	7443.5	1.000	88.1	1580.3	1570.0	38.3	.4	5.6	.0150	.181	.181	1 49.88
190	.006	1.188	3	713.6	6736.4	7450.0	1.000	88.5	1580.3	1570.0	38.7	.4	5.6	.0150	.181	.181	0 49.88
190	.006	1.188	3	713.6	6736.5	7450.1	1.000	88.5	1580.3	1570.0	38.7	.4	5.6	.0150	.181	.181	1 49.88
191	.006	1.194	3	710.8	6745.5	7456.3	1.000	88.9	1580.2	1570.0	39.0	.4	5.6	.0150	.181	.182	0 49.88
191	.006	1.194	3	710.8	6745.6	7456.4	1.000	88.9	1580.2	1570.0	39.0	.4	5.6	.0150	.182	.181	1 49.88
192	.006	1.200	3	708.0	6754.3	7462.3	1.000	89.2	1580.2	1570.0	39.4	.4	5.6	.0150	.182	.182	0 49.88
192	.006	1.200	3	708.0	6754.4	7462.4	1.000	89.2	1580.2	1570.0	39.4	.4	5.6	.0150	.182	.182	1 49.88
193	.006	1.206	3	705.2	6763.0	7468.2	1.000	89.6	1580.2	1570.0	39.7	.4	5.6	.0150	.182	.182	0 49.88
193	.006	1.206	3	705.2	6762.9	7468.1	1.000	89.6	1580.2	1570.0	39.7	.4	5.5	.0150	.182	.181	1 49.88
194	.006	1.213	3	702.4	6771.3	7473.7	1.000	89.9	1580.2	1570.0	40.1	.4	5.5	.0150	.182	.182	0 49.88
194	.006	1.213	3	702.4	6771.3	7473.7	1.000	89.9	1580.2	1570.0	40.1	.4	5.5	.0150	.182	.182	1 49.88
195	.006	1.219	3	699.6	6779.2	7478.8	1.000	90.3	1580.2	1570.0	40.5	.4	5.5	.0150	.182	.182	0 49.88
195	.006	1.219	3	699.6	6779.3	7478.9	1.000	90.3	1580.2	1570.0	40.5	.4	5.5	.0150	.182	.182	1 49.88
196	.006	1.225	3	696.7	6787.3	7484.0	1.000	90.7	1580.1	1570.0	40.8	.4	5.5	.0150	.182	.183	0 49.88
196	.006	1.225	3	696.7	6787.3	7484.1	1.000	90.7	1580.1	1570.0	40.8	.4	5.5	.0150	.183	.183	1 49.88
197	.006	1.231	3	693.9	6794.9	7488.7	1.000	91.0	1580.1	1570.0	41.2	.4	5.5	.0150	.183	.183	0 49.88
197	.006	1.231	3	693.9	6794.9	7488.8	1.000	91.0	1580.1	1570.0	41.2	.4	5.4	.0150	.183	.183	1 49.88
198	.006	1.238	3	691.0	6802.3	7493.3	1.000	91.4	1580.1	1570.0	41.6	.4	5.4	.0150	.183	.182	0 49.88
198	.006	1.238	3	691.0	6802.2	7493.2	1.000	91.4	1580.1	1570.0	41.6	.4	5.4	.0150	.182	.183	1 49.88
198	.006	1.238	3	691.0	6802.4	7493.4	1.000	91.4	1580.1	1570.0	41.6	.4	5.4	.0150	.183	.183	2 49.88
199	.006	1.244	3	688.2	6809.6	7497.8	1.000	91.8	1580.1	1570.0	41.9	.4	5.4	.0150	.183	.183	0 49.88
199	.006	1.244	3	688.2	6809.5	7497.7	1.000	91.8	1580.1	1570.0	41.9	.4	5.4	.0150	.183	.183	1 49.88
199	.006	1.244	3	688.2	6809.6	7497.8	1.000	91.8	1580.1	1570.0	41.9	.4	5.4	.0150	.183	.183	2 49.88
[illegible]	.006	1.250	3	685.3	6816.6	7501.9	1.000	92.1	1580.1	1570.0	42.3	.4	5.4	.0150	.183	.183	0 49.88

PROJECT TITLE : PIPING BREACH ANALYSIS

PROJECT NUMBER : S-22 SPOOK HILL FRS 6/27/1990

Step I	Time Step (hr) DTH	Elpse Time (hr) T	Fail Code KG	Spillway Outflow (cfs) QTS	Breach Outflow (cfs) QB	Total Outflow (cfs) QTOT	Sbmrg Crctn Factr SUB	Brech Top Width (ft) BT	Rsrvor W. S. Elev. (ft - MSL) HY	Breach Bottom Elev. (ft - MSL) HC	Brech Bottm Width (ft) BO	Breach Width Incres (ft) PPP	Breach Flow Depth (ft) HP	Brech Manig (n) CNN	Estmte Erosin Depth Incrse (ft) DH	Comput Erosin Depth Incrse (ft) DHH	Itrtn Count KIT	Brech Vrtcl Side Angle (deg) ALG
200	.006	1.250	3	685.3	6816.5	7501.8	1.000	92.1	1580.1	1570.0	42.3	.4	5.4	.0150	.183	.184	1	49.88
200	.006	1.250	3	685.3	6816.6	7501.9	1.000	92.1	1580.1	1570.0	42.3	.4	5.4	.0150	.184	.183	2	49.88
201	.006	1.256	3	682.4	6823.2	7505.6	1.000	92.5	1580.0	1570.0	42.7	.4	5.4	.0150	.184	.183	0	49.88
201	.006	1.256	3	682.4	6823.1	7505.5	1.000	92.5	1580.0	1570.0	42.7	.4	5.3	.0150	.183	.184	1	49.88
201	.006	1.256	3	682.4	6823.2	7505.6	1.000	92.5	1580.0	1570.0	42.7	.4	5.4	.0150	.184	.184	2	49.88
202	.006	1.263	3	679.5	6829.7	7509.2	1.000	92.9	1580.0	1570.0	43.0	.4	5.3	.0150	.184	.184	0	49.88
202	.006	1.263	3	679.5	6829.8	7509.3	1.000	92.9	1580.0	1570.0	43.0	.4	5.3	.0150	.184	.184	1	49.88
203	.006	1.269	3	676.6	6836.1	7512.7	1.000	93.2	1580.0	1570.0	43.4	.4	5.3	.0150	.184	.183	0	49.88
203	.006	1.269	3	676.6	6836.0	7512.6	1.000	93.2	1580.0	1570.0	43.4	.4	5.3	.0150	.183	.184	1	49.88
203	.006	1.269	3	676.6	6836.1	7512.7	1.000	93.2	1580.0	1570.0	43.4	.4	5.3	.0150	.184	.184	2	49.88
204	.006	1.275	3	673.7	6841.9	7515.6	1.000	93.6	1580.0	1570.0	43.8	.4	5.3	.0150	.184	.184	0	49.88
204	.006	1.275	3	673.7	6841.8	7515.5	1.000	93.6	1580.0	1570.0	43.8	.4	5.3	.0150	.184	.184	1	49.88
204	.006	1.275	3	673.7	6842.0	7515.6	1.000	93.6	1580.0	1570.0	43.8	.4	5.3	.0150	.184	.184	2	49.88
205	.006	1.281	3	670.8	6847.8	7518.6	1.000	94.0	1580.0	1570.0	44.1	.4	5.3	.0150	.184	.184	0	49.88
205	.006	1.281	3	670.8	6847.7	7518.5	1.000	94.0	1580.0	1570.0	44.1	.4	5.2	.0150	.184	.184	1	49.88
[illegible]	.006	1.281	3	670.8	6847.8	7518.6	1.000	94.0	1580.0	1570.0	44.1	.4	5.3	.0150	.184	.184	2	49.88
[illegible]	.006	1.288	3	667.8	6853.1	7521.0	1.000	94.3	1580.0	1570.0	44.5	.4	5.3	.0150	.184	.184	0	49.88
206	.006	1.288	3	667.8	6853.0	7520.8	1.000	94.3	1580.0	1570.0	44.5	.4	5.2	.0150	.184	.184	1	49.88
206	.006	1.288	3	667.8	6853.2	7521.0	1.000	94.3	1580.0	1570.0	44.5	.4	5.2	.0150	.184	.184	2	49.88
207	.006	1.294	3	664.9	6858.5	7523.4	1.000	94.7	1579.9	1570.0	44.9	.4	5.2	.0150	.184	.185	0	49.88
207	.006	1.294	3	664.9	6858.4	7523.3	1.000	94.7	1579.9	1570.0	44.9	.4	5.2	.0150	.185	.185	1	49.88
208	.006	1.300	3	661.9	6863.4	7525.3	1.000	95.1	1579.9	1570.0	45.3	.4	5.2	.0150	.185	.184	0	49.88
208	.006	1.300	3	661.9	6863.3	7525.2	1.000	95.1	1579.9	1570.0	45.3	.4	5.2	.0150	.184	.185	1	49.88
208	.006	1.300	3	661.9	6863.4	7525.3	1.000	95.1	1579.9	1570.0	45.3	.4	5.2	.0150	.185	.185	2	49.88
209	.006	1.306	3	659.0	6868.1	7527.0	1.000	95.5	1579.9	1570.0	45.6	.4	5.2	.0150	.185	.184	0	49.88
209	.006	1.306	3	659.0	6868.0	7526.9	1.000	95.5	1579.9	1570.0	45.6	.4	5.2	.0150	.184	.185	1	49.88
209	.006	1.306	3	659.0	6868.1	7527.1	1.000	95.5	1579.9	1570.0	45.6	.4	5.2	.0150	.185	.185	2	49.88
210	.006	1.313	3	656.0	6872.6	7528.6	1.000	95.8	1579.9	1570.0	46.0	.4	5.2	.0150	.185	.184	0	49.88
210	.006	1.313	3	656.0	6872.5	7528.5	1.000	95.8	1579.9	1570.0	46.0	.4	5.1	.0150	.184	.185	1	49.88
210	.006	1.313	3	656.0	6872.6	7528.6	1.000	95.8	1579.9	1570.0	46.0	.4	5.1	.0150	.185	.185	2	49.88
211	.006	1.319	3	653.0	6876.8	7529.8	1.000	96.2	1579.9	1570.0	46.4	.4	5.1	.0150	.185	.185	0	49.88
211	.006	1.319	3	653.0	6876.8	7529.8	1.000	96.2	1579.9	1570.0	46.4	.4	5.1	.0150	.185	.185	1	49.88
212	.006	1.325	3	650.0	6880.8	7530.9	1.000	96.6	1579.8	1570.0	46.7	.4	5.1	.0150	.185	.184	0	49.88
212	.006	1.325	3	650.0	6880.7	7530.7	1.000	96.6	1579.8	1570.0	46.7	.4	5.1	.0150	.184	.185	1	49.88
212	.006	1.325	3	650.0	6880.8	7530.9	1.000	96.6	1579.8	1570.0	46.7	.4	5.1	.0150	.185	.185	2	49.88
213	.006	1.331	3	647.0	6884.5	7531.5	1.000	96.9	1579.8	1570.0	47.1	.4	5.1	.0150	.185	.185	0	49.88
213	.006	1.331	3	647.0	6884.4	7531.4	1.000	96.9	1579.8	1570.0	47.1	.4	5.1	.0150	.185	.185	1	49.88
213	.006	1.331	3	647.0	6884.5	7531.5	1.000	96.9	1579.8	1570.0	47.1	.4	5.1	.0150	.185	.185	2	49.88
214	.006	1.338	3	644.0	6888.0	7532.0	1.000	97.3	1579.8	1570.0	47.5	.4	5.1	.0150	.185	.185	0	49.88
214	.006	1.338	3	644.0	6888.0	7532.0	1.000	97.3	1579.8	1570.0	47.5	.4	5.1	.0150	.185	.185	1	49.88
215	.006	1.344	3	641.0	6891.1	7532.1	1.000	97.7	1579.8	1570.0	47.9	.4	5.1	.0150	.185	.185	0	49.88
[illegible]	.006	1.344	3	641.0	6891.0	7532.0	1.000	97.7	1579.8	1570.0	47.8	.4	5.0	.0150	.185	.186	1	49.88
[illegible]	.006	1.344	3	641.0	6891.1	7532.1	1.000	97.7	1579.8	1570.0	47.9	.4	5.0	.0150	.186	.185	2	49.88
216	.006	1.350	3	638.0	6894.1	7532.1	1.000	98.1	1579.8	1570.0	48.2	.4	5.0	.0150	.186	.185	0	49.88
216	.006	1.350	3	638.0	6894.0	7531.9	1.000	98.1	1579.8	1570.0	48.2	.4	5.0	.0150	.185	.186	1	49.88
216	.006	1.350	3	638.0	6894.1	7532.1	1.000	98.1	1579.8	1570.0	48.2	.4	5.0	.0150	.186	.185	2	49.88

217	.006	1.356	3	634.9	6896.7	7531.6	1.000	98.4	1579.7	1570.0	48.6	.4	5.0	.0150	.186	.186	0 49.88
218	.006	1.363	3	631.9	6899.1	7531.0	1.000	98.8	1579.7	1570.0	49.0	.4	5.0	.0150	.186	.185	0 49.88
218	.006	1.363	3	631.9	6899.0	7530.9	1.000	98.8	1579.7	1570.0	49.0	.4	5.0	.0150	.185	.185	1 49.88
219	.006	1.369	3	628.8	6901.0	7529.8	1.000	99.2	1579.7	1570.0	49.3	.4	5.0	.0150	.185	.185	0 49.88
[illegible]	.006	1.375	3	625.8	6902.7	7528.5	1.000	99.5	1579.7	1570.0	49.7	.4	4.9	.0150	.185	.185	0 49.88
220	.006	1.375	3	625.8	6902.8	7528.6	1.000	99.5	1579.7	1570.0	49.7	.4	4.9	.0150	.185	.185	1 49.88
221	.006	1.381	3	622.7	6904.3	7527.0	1.000	99.9	1579.7	1570.0	50.1	.4	4.9	.0150	.185	.186	0 49.88
222	.006	1.388	3	619.6	6905.6	7525.2	1.000	100.3	1579.6	1570.0	50.4	.4	4.9	.0150	.185	.186	0 49.88
222	.006	1.388	3	619.6	6905.6	7525.3	1.000	100.3	1579.6	1570.0	50.4	.4	4.9	.0150	.186	.186	1 49.88
223	.006	1.394	3	616.6	6906.8	7523.4	1.000	100.7	1579.6	1570.0	50.8	.4	4.9	.0150	.186	.185	0 49.88
223	.006	1.394	3	616.6	6906.7	7523.2	1.000	100.6	1579.6	1570.0	50.8	.4	4.9	.0150	.185	.186	1 49.88
223	.006	1.394	3	616.6	6906.8	7523.3	1.000	100.6	1579.6	1570.0	50.8	.4	4.9	.0150	.186	.186	2 49.88
224	.006	1.400	3	613.5	6907.6	7521.0	1.000	101.0	1579.6	1570.0	51.2	.4	4.9	.0150	.186	.186	0 49.88
225	.006	1.406	3	610.3	6908.0	7518.3	1.000	101.4	1579.6	1570.0	51.6	.4	4.9	.0150	.186	.185	0 49.88
225	.006	1.406	3	610.3	6907.9	7518.2	1.000	101.4	1579.6	1570.0	51.6	.4	4.8	.0150	.185	.185	1 49.88
226	.006	1.413	3	607.2	6908.0	7515.2	1.000	101.8	1579.5	1570.0	51.9	.4	4.8	.0150	.185	.185	0 49.88
227	.006	1.419	3	604.1	6907.7	7511.8	1.000	102.1	1579.5	1570.0	52.3	.4	4.8	.0150	.185	.186	0 49.88
227	.006	1.419	3	604.1	6907.8	7511.9	1.000	102.1	1579.5	1570.0	52.3	.4	4.8	.0150	.186	.185	1 49.88
228	.006	1.425	3	601.0	6907.6	7508.6	1.000	102.5	1579.5	1570.0	52.7	.4	4.8	.0150	.186	.186	0 49.88
229	.006	1.431	3	595.7	6906.8	7502.5	1.000	102.9	1579.5	1570.0	53.0	.4	4.8	.0150	.186	.186	0 49.88
229	.006	1.431	3	595.7	6906.9	7502.5	1.000	102.9	1579.5	1570.0	53.0	.4	4.8	.0150	.186	.186	1 49.88
230	.006	1.438	3	589.4	6905.9	7495.3	1.000	103.2	1579.5	1570.0	53.4	.4	4.8	.0150	.186	.185	0 49.88
230	.006	1.438	3	589.4	6905.8	7495.2	1.000	103.2	1579.5	1570.0	53.4	.4	4.7	.0150	.185	.186	1 49.88
230	.006	1.438	3	589.4	6905.9	7495.3	1.000	103.2	1579.5	1570.0	53.4	.4	4.7	.0150	.186	.186	2 49.88
231	.006	1.444	3	583.1	6904.8	7487.9	1.000	103.6	1579.4	1570.0	53.8	.4	4.7	.0150	.186	.186	0 49.88
232	.006	1.450	3	576.8	6903.5	7480.3	1.000	104.0	1579.4	1570.0	54.2	.4	4.7	.0150	.186	.185	0 49.88
232	.006	1.450	3	576.8	6903.4	7480.2	1.000	104.0	1579.4	1570.0	54.2	.4	4.7	.0150	.185	.185	1 49.88
233	.006	1.456	3	570.4	6901.6	7472.0	1.000	104.4	1579.4	1570.0	54.5	.4	4.7	.0150	.185	.185	0 49.88
234	.006	1.463	3	564.1	6899.6	7463.7	1.000	104.7	1579.4	1570.0	54.9	.4	4.7	.0150	.185	.185	0 49.88
235	.006	1.469	3	557.7	6897.2	7455.0	1.000	105.1	1579.4	1570.0	55.3	.4	4.6	.0150	.185	.185	0 49.88
[illegible]	.006	1.469	3	557.7	6897.3	7455.0	1.000	105.1	1579.4	1570.0	55.3	.4	4.6	.0150	.185	.185	1 49.88
236	.006	1.475	3	551.4	6894.8	7446.1	1.000	105.5	1579.3	1570.0	55.6	.4	4.6	.0150	.185	.185	0 49.88
237	.006	1.481	3	545.0	6892.1	7437.1	1.000	105.8	1579.3	1570.0	56.0	.4	4.6	.0150	.185	.185	0 49.88
237	.006	1.481	3	545.0	6892.0	7437.0	1.000	105.8	1579.3	1570.0	56.0	.4	4.6	.0150	.185	.185	1 49.88
237	.006	1.481	3	545.0	6892.1	7437.1	1.000	105.8	1579.3	1570.0	56.0	.4	4.6	.0150	.185	.185	2 49.88
238	.006	1.488	3	538.6	6889.0	7427.6	1.000	106.2	1579.3	1570.0	56.4	.4	4.6	.0150	.185	.185	0 49.88
239	.006	1.494	3	532.2	6885.8	7418.0	1.000	106.6	1579.3	1570.0	56.8	.4	4.6	.0150	.185	.184	0 49.88
239	.006	1.494	3	532.2	6885.6	7417.8	1.000	106.6	1579.3	1570.0	56.7	.4	4.5	.0150	.184	.184	1 49.88
240	.006	1.500	3	525.8	6882.1	7407.8	1.000	106.9	1579.3	1570.0	57.1	.4	4.5	.0150	.184	.184	0 49.88
241	.006	1.506	3	519.3	6878.3	7397.6	1.000	107.3	1579.2	1570.0	57.5	.4	4.5	.0150	.184	.185	0 49.88
242	.006	1.513	3	512.9	6874.2	7387.1	1.000	107.7	1579.2	1570.0	57.9	.4	4.5	.0150	.184	.185	0 49.88
243	.006	1.519	3	506.4	6869.6	7376.1	1.000	108.1	1579.2	1570.0	58.2	.4	4.5	.0150	.184	.184	0 49.88
243	.006	1.519	3	506.4	6869.5	7376.0	1.000	108.1	1579.2	1570.0	58.2	.4	4.5	.0150	.184	.185	1 49.88
243	.006	1.519	3	506.4	6869.7	7376.1	1.000	108.1	1579.2	1570.0	58.2	.4	4.5	.0150	.185	.184	2 49.88
244	.006	1.525	3	500.0	6865.2	7365.2	1.000	108.4	1579.2	1570.0	58.6	.4	4.5	.0150	.185	.185	0 49.88
245	.006	1.531	3	493.5	6860.3	7353.8	1.000	108.8	1579.1	1570.0	59.0	.4	4.5	.0150	.185	.184	0 49.88
245	.006	1.531	3	493.5	6860.2	7353.7	1.000	108.8	1579.1	1570.0	59.0	.4	4.4	.0150	.184	.184	1 49.88
245	.006	1.531	3	493.5	6860.3	7353.8	1.000	108.8	1579.1	1570.0	59.0	.4	4.4	.0150	.184	.184	2 49.88
246	.006	1.538	3	487.0	6855.2	7342.2	1.000	109.2	1579.1	1570.0	59.3	.4	4.4	.0150	.184	.183	0 49.88
246	.006	1.538	3	487.0	6855.0	7342.1	1.000	109.2	1579.1	1570.0	59.3	.4	4.4	.0150	.183	.184	1 49.88
246	.006	1.538	3	487.0	6855.2	7342.2	1.000	109.2	1579.1	1570.0	59.3	.4	4.4	.0150	.184	.184	2 49.88
247	.006	1.544	3	480.5	6849.7	7330.2	1.000	109.5	1579.1	1570.0	59.7	.4	4.4	.0150	.184	.184	0 49.88
248	.006	1.550	3	474.0	6844.0	7318.0	1.000	109.9	1579.1	1570.0	60.1	.4	4.4	.0150	.184	.183	0 49.88
248	.006	1.550	3	474.0	6844.0	7318.0	1.000	109.9	1579.1	1570.0	60.1	.4	4.4	.0150	.183	.183	1 49.88
249	.006	1.556	3	467.5	6837.8	7305.3	1.000	110.3	1579.1	1570.0	60.4	.4	4.4	.0150	.183	.183	0 49.88
250	.006	1.563	3	460.9	6831.6	7292.5	1.000	110.6	1579.0	1570.0	60.8	.4	4.4	.0150	.183	.183	0 49.88

I	Step Time Step (hr) DTH	Elpse Time (hr) T	Fail Code KG	Spillway Outflow (cfs) QTS	Breach Outflow (cfs) QB	Total Outflow (cfs) QTOT	Sbmrg Crctn Factr SUB	Brech Top Width (ft) BT	Rsrvor W. S. Elev. (ft - MSL) HY	Breach Bottom Elev. (ft - MSL) HC	Brech Bottm Width (ft) BO	Breach Width Incres (ft) PPP	Breach Flow Depth (ft) HP	Brech Manig (n) CNN	Estmte Erosin Depth Incrse (ft) DH	Comput Erosin Depth Incrse (ft) DHH	Itrtn Count KIT	Brech Vrtcl Side Angle (deg) ALG
251	.006	1.569	3	454.4	6825.0	7279.4	1.000	111.0	1579.0	1570.0	61.2	.4	4.4	.0150	.183	.183	0	49.88
252	.006	1.575	3	447.8	6818.2	7266.1	1.000	111.4	1579.0	1570.0	61.5	.4	4.3	.0150	.183	.183	0	49.88
253	.006	1.581	3	441.3	6811.3	7252.6	1.000	111.7	1579.0	1570.0	61.9	.4	4.3	.0150	.183	.182	0	49.88
253	.006	1.581	3	441.3	6811.1	7252.4	1.000	111.7	1579.0	1570.0	61.9	.4	4.3	.0150	.182	.182	1	49.88
254	.006	1.588	3	434.7	6803.9	7238.6	1.000	112.1	1578.9	1570.0	62.3	.4	4.3	.0150	.182	.182	0	49.88
255	.006	1.594	3	428.1	6796.2	7224.4	1.000	112.5	1578.9	1570.0	62.6	.4	4.3	.0150	.182	.182	0	49.88
256	.006	1.600	3	421.5	6788.4	7209.9	1.000	112.8	1578.9	1570.0	63.0	.4	4.3	.0150	.182	.182	0	49.88
257	.006	1.606	3	415.0	6780.4	7195.3	1.000	113.2	1578.9	1570.0	63.4	.4	4.2	.0150	.182	.182	0	49.88
258	.006	1.613	3	408.3	6772.0	7180.3	1.000	113.6	1578.9	1570.0	63.7	.4	4.2	.0150	.182	.181	0	49.88
258	.006	1.613	3	408.3	6771.8	7180.1	1.000	113.6	1578.9	1570.0	63.7	.4	4.2	.0150	.181	.181	1	49.88
259	.006	1.619	3	401.7	6763.1	7164.8	1.000	113.9	1578.8	1570.0	64.1	.4	4.2	.0150	.181	.181	0	49.88
259	.006	1.619	3	401.7	6763.0	7164.7	1.000	113.9	1578.8	1570.0	64.1	.4	4.2	.0150	.181	.181	1	49.88
260	.006	1.625	3	395.1	6754.1	7149.2	1.000	114.3	1578.8	1570.0	64.4	.4	4.2	.0150	.181	.181	0	49.88
260	.006	1.625	3	395.1	6754.3	7149.3	1.000	114.3	1578.8	1570.0	64.4	.4	4.2	.0150	.181	.181	1	49.88
261	.006	1.631	3	388.4	6744.9	7133.3	1.000	114.6	1578.8	1570.0	64.8	.4	4.2	.0150	.181	.181	0	49.88
[illegible]	.006	1.631	3	388.4	6744.9	7133.3	1.000	114.6	1578.8	1570.0	64.8	.4	4.2	.0150	.181	.181	1	49.88
[illegible]	.006	1.638	3	381.8	6735.5	7117.3	1.000	115.0	1578.8	1570.0	65.2	.4	4.2	.0150	.181	.181	0	49.88
262	.006	1.638	3	381.8	6735.5	7117.3	1.000	115.0	1578.8	1570.0	65.2	.4	4.1	.0150	.181	.180	1	49.88
263	.006	1.644	3	375.1	6725.7	7100.9	1.000	115.4	1578.8	1570.0	65.5	.4	4.1	.0150	.181	.180	0	49.88
263	.006	1.644	3	375.1	6725.7	7100.8	1.000	115.4	1578.8	1570.0	65.5	.4	4.1	.0150	.180	.180	1	49.88
264	.006	1.650	3	368.5	6715.9	7084.4	1.000	115.7	1578.7	1570.0	65.9	.4	4.1	.0150	.180	.180	0	49.88
264	.006	1.650	3	368.5	6715.9	7084.4	1.000	115.7	1578.7	1570.0	65.9	.4	4.1	.0150	.180	.180	1	49.88
265	.006	1.656	3	361.9	6705.7	7067.5	1.000	116.1	1578.7	1570.0	66.2	.4	4.1	.0150	.180	.180	0	49.88
265	.006	1.656	3	361.9	6705.7	7067.5	1.000	116.1	1578.7	1570.0	66.2	.4	4.1	.0150	.180	.180	1	49.88
266	.006	1.663	3	355.2	6695.1	7050.2	1.000	116.4	1578.7	1570.0	66.6	.4	4.1	.0150	.180	.180	0	49.88
266	.006	1.663	3	355.2	6695.0	7050.2	1.000	116.4	1578.7	1570.0	66.6	.4	4.1	.0150	.180	.180	1	49.88
267	.006	1.669	3	348.5	6684.4	7032.9	1.000	116.8	1578.7	1570.0	67.0	.4	4.1	.0150	.180	.179	0	49.88
267	.006	1.669	3	348.5	6684.4	7032.9	1.000	116.8	1578.7	1570.0	67.0	.4	4.1	.0150	.179	.179	1	49.88
268	.006	1.675	3	341.8	6673.4	7015.2	1.000	117.2	1578.6	1570.0	67.3	.4	4.1	.0150	.179	.178	0	49.88
268	.006	1.675	3	341.8	6673.2	7015.0	1.000	117.2	1578.6	1570.0	67.3	.4	4.0	.0150	.178	.179	1	49.88
268	.006	1.675	3	341.8	6673.3	7015.1	1.000	117.2	1578.6	1570.0	67.3	.4	4.0	.0150	.179	.179	2	49.88
269	.006	1.681	3	335.1	6662.1	6997.2	1.000	117.5	1578.6	1570.0	67.7	.4	4.0	.0150	.179	.179	0	49.88
269	.006	1.681	3	335.1	6662.3	6997.3	1.000	117.5	1578.6	1570.0	67.7	.4	4.0	.0150	.179	.179	1	49.88
270	.006	1.688	3	328.4	6650.6	6979.0	1.000	117.9	1578.6	1570.0	68.0	.4	4.0	.0150	.179	.178	0	49.88
270	.006	1.688	3	328.4	6650.6	6979.0	1.000	117.9	1578.6	1570.0	68.0	.4	4.0	.0150	.178	.178	1	49.88
270	.006	1.688	3	328.4	6650.7	6979.2	1.000	117.9	1578.6	1570.0	68.0	.4	4.0	.0150	.178	.178	2	49.88
271	.006	1.694	3	321.7	6638.8	6960.5	1.000	118.2	1578.6	1570.0	68.4	.4	4.0	.0150	.178	.178	0	49.88
271	.006	1.694	3	321.7	6638.8	6960.5	1.000	118.2	1578.6	1570.0	68.4	.4	4.0	.0150	.178	.178	1	49.88
272	.006	1.700	3	315.0	6626.9	6941.9	1.000	118.6	1578.5	1570.0	68.7	.4	4.0	.0150	.178	.178	0	49.88
272	.006	1.700	3	315.0	6626.9	6941.9	1.000	118.6	1578.5	1570.0	68.7	.4	4.0	.0150	.178	.178	1	49.88
273	.006	1.706	3	308.3	6614.6	6922.9	1.000	118.9	1578.5	1570.0	69.1	.4	4.0	.0150	.178	.177	0	49.88
[illegible]	.006	1.706	3	308.2	6614.6	6922.9	1.000	118.9	1578.5	1570.0	69.1	.4	4.0	.0150	.177	.177	1	49.88
[illegible]	.006	1.706	3	308.3	6614.7	6923.0	1.000	118.9	1578.5	1570.0	69.1	.4	4.0	.0150	.177	.177	2	49.88
274	.006	1.713	3	301.5	6602.2	6903.7	1.000	119.3	1578.5	1570.0	69.5	.4	4.0	.0150	.177	.176	0	49.88
274	.006	1.713	3	301.5	6602.0	6903.6	1.000	119.3	1578.5	1570.0	69.5	.4	3.9	.0150	.176	.177	1	49.88
274	.006	1.713	3	301.5	6602.1	6903.7	1.000	119.3	1578.5	1570.0	69.5	.4	3.9	.0150	.177	.177	2	49.88

275	.006	1.719	3	294.8	6589.4	6884.2	1.000	119.6	1578.5	1570.0	69.8	.4	3.9	.0150	.177	.177	0	49.88
275	.006	1.719	3	294.8	6589.3	6884.1	1.000	119.6	1578.5	1570.0	69.8	.4	3.9	.0150	.177	.177	1	49.88
276	.006	1.725	3	288.1	6576.3	6864.4	1.000	120.0	1578.5	1570.0	70.2	.4	3.9	.0150	.177	.176	0	49.88
276	.006	1.725	3	288.1	6576.2	6864.2	1.000	120.0	1578.5	1570.0	70.2	.4	3.9	.0150	.176	.176	1	49.88
[illegible]	.006	1.725	3	288.1	6576.3	6864.3	1.000	120.0	1578.5	1570.0	70.2	.4	3.9	.0150	.176	.176	2	49.88
277	.006	1.731	3	281.3	6563.1	6844.4	1.000	120.3	1578.4	1570.0	70.5	.4	3.9	.0150	.176	.176	0	49.88
277	.006	1.731	3	281.3	6563.0	6844.4	1.000	120.3	1578.4	1570.0	70.5	.4	3.9	.0150	.176	.176	1	49.88
278	.006	1.738	3	274.6	6549.6	6824.2	1.000	120.7	1578.4	1570.0	70.9	.4	3.9	.0150	.176	.175	0	49.88
278	.006	1.738	3	274.6	6549.5	6824.0	1.000	120.7	1578.4	1570.0	70.9	.3	3.9	.0150	.175	.176	1	49.88
278	.006	1.738	3	274.6	6549.6	6824.1	1.000	120.7	1578.4	1570.0	70.9	.4	3.9	.0150	.176	.175	2	49.88
279	.006	1.744	3	267.8	6535.7	6803.5	1.000	121.1	1578.4	1570.0	71.2	.4	3.9	.0150	.176	.175	0	49.88
279	.006	1.744	3	267.8	6535.7	6803.5	1.000	121.0	1578.4	1570.0	71.2	.4	3.9	.0150	.175	.175	1	49.88
280	.006	1.750	3	261.1	6521.8	6782.9	1.000	121.4	1578.4	1570.0	71.6	.4	3.9	.0150	.175	.174	0	49.88
280	.006	1.750	3	261.1	6521.6	6782.7	1.000	121.4	1578.4	1570.0	71.6	.3	3.8	.0150	.174	.175	1	49.88
280	.006	1.750	3	261.1	6521.7	6782.8	1.000	121.4	1578.4	1570.0	71.6	.3	3.8	.0150	.175	.175	2	49.88
281	.006	1.756	3	254.3	6507.5	6761.8	1.000	121.7	1578.3	1570.0	71.9	.3	3.8	.0150	.175	.175	0	49.88
281	.006	1.756	3	254.3	6507.4	6761.7	1.000	121.7	1578.3	1570.0	71.9	.3	3.8	.0150	.175	.174	1	49.88
282	.006	1.763	3	247.5	6492.9	6740.4	1.000	122.1	1578.3	1570.0	72.3	.3	3.8	.0150	.175	.173	0	49.88
282	.006	1.763	3	247.5	6492.8	6740.3	1.000	122.1	1578.3	1570.0	72.3	.3	3.8	.0150	.173	.174	1	49.88
282	.006	1.763	3	247.5	6492.9	6740.4	1.000	122.1	1578.3	1570.0	72.3	.3	3.8	.0150	.174	.174	2	49.88
283	.006	1.769	3	240.8	6478.3	6719.1	1.000	122.4	1578.3	1570.0	72.6	.3	3.8	.0150	.174	.173	0	49.88
283	.006	1.769	3	240.8	6478.2	6719.0	1.000	122.4	1578.3	1570.0	72.6	.3	3.8	.0150	.173	.174	1	49.88
283	.006	1.769	3	240.8	6478.3	6719.1	1.000	122.4	1578.3	1570.0	72.6	.3	3.8	.0150	.174	.173	2	49.88
284	.006	1.775	3	234.0	6463.3	6697.3	1.000	122.8	1578.3	1570.0	73.0	.3	3.8	.0150	.174	.173	0	49.88
284	.006	1.775	3	234.0	6463.3	6697.3	1.000	122.8	1578.3	1570.0	73.0	.3	3.8	.0150	.173	.173	1	49.88
285	.006	1.781	3	227.2	6448.1	6675.4	1.000	123.1	1578.3	1570.0	73.3	.3	3.8	.0150	.173	.172	0	49.88
285	.006	1.781	3	227.2	6448.0	6675.2	1.000	123.1	1578.3	1570.0	73.3	.3	3.8	.0150	.172	.173	1	49.88
285	.006	1.781	3	227.2	6448.1	6675.3	1.000	123.1	1578.3	1570.0	73.3	.3	3.8	.0150	.173	.173	2	49.88
286	.006	1.788	3	220.5	6432.5	6652.9	1.000	123.5	1578.2	1570.0	73.6	.3	3.8	.0150	.173	.172	0	49.88
286	.006	1.788	3	220.4	6432.5	6652.9	1.000	123.5	1578.2	1570.0	73.6	.3	3.7	.0150	.172	.172	1	49.88
[illegible]	.006	1.788	3	220.5	6432.6	6653.1	1.000	123.5	1578.2	1570.0	73.6	.3	3.7	.0150	.172	.172	2	49.88
287	.006	1.794	3	213.6	6416.8	6630.4	1.000	123.8	1578.2	1570.0	74.0	.3	3.7	.0150	.172	.172	0	49.88
287	.006	1.794	3	213.6	6416.7	6630.4	1.000	123.8	1578.2	1570.0	74.0	.3	3.7	.0150	.172	.172	1	49.88
288	.006	1.800	3	206.9	6400.9	6607.8	1.000	124.2	1578.2	1570.0	74.3	.3	3.7	.0150	.172	.171	0	49.88
288	.006	1.800	3	206.9	6400.8	6607.6	1.000	124.2	1578.2	1570.0	74.3	.3	3.7	.0150	.171	.172	1	49.88
288	.006	1.800	3	206.9	6400.9	6607.7	1.000	124.2	1578.2	1570.0	74.3	.3	3.7	.0150	.172	.171	2	49.88
289	.006	1.806	3	200.1	6384.8	6584.9	1.000	124.5	1578.2	1570.0	74.7	.3	3.7	.0150	.172	.171	0	49.88
289	.006	1.806	3	200.1	6384.8	6584.9	1.000	124.5	1578.2	1570.0	74.7	.3	3.7	.0150	.171	.171	1	49.88
290	.006	1.813	3	193.3	6368.3	6561.6	1.000	124.9	1578.1	1570.0	75.0	.3	3.7	.0150	.171	.170	0	49.88
290	.006	1.813	3	193.3	6368.2	6561.4	1.000	124.9	1578.1	1570.0	75.0	.3	3.7	.0150	.170	.171	1	49.88
290	.006	1.813	3	193.3	6368.3	6561.5	1.000	124.9	1578.1	1570.0	75.0	.3	3.7	.0150	.171	.171	2	49.88
291	.006	1.819	3	186.5	6351.8	6538.3	1.000	125.2	1578.1	1570.0	75.4	.3	3.7	.0150	.171	.169	0	49.88
291	.006	1.819	3	186.5	6351.6	6538.1	1.000	125.2	1578.1	1570.0	75.4	.3	3.7	.0150	.169	.170	1	49.88
291	.006	1.819	3	186.5	6351.7	6538.2	1.000	125.2	1578.1	1570.0	75.4	.3	3.7	.0150	.170	.170	2	49.88
292	.006	1.825	3	179.7	6334.8	6514.5	1.000	125.5	1578.1	1570.0	75.7	.3	3.7	.0150	.170	.169	0	49.88
292	.006	1.825	3	179.7	6334.7	6514.4	1.000	125.5	1578.1	1570.0	75.7	.3	3.6	.0150	.169	.170	1	49.88
292	.006	1.825	3	179.7	6334.7	6514.4	1.000	125.5	1578.1	1570.0	75.7	.3	3.7	.0150	.170	.170	2	49.88
293	.006	1.831	3	172.9	6317.8	6490.8	1.000	125.9	1578.1	1570.0	76.0	.3	3.7	.0150	.170	.169	0	49.88
293	.006	1.831	3	172.9	6317.8	6490.7	1.000	125.9	1578.1	1570.0	76.0	.3	3.6	.0150	.169	.169	1	49.88
294	.006	1.838	3	166.1	6300.5	6466.6	1.000	126.2	1578.1	1570.0	76.4	.3	3.6	.0150	.169	.168	0	49.88
294	.006	1.838	3	166.1	6300.3	6466.4	1.000	126.2	1578.1	1570.0	76.4	.3	3.6	.0150	.168	.169	1	49.88
294	.006	1.838	3	166.1	6300.4	6466.5	1.000	126.2	1578.1	1570.0	76.4	.3	3.6	.0150	.169	.169	2	49.88
295	.006	1.844	3	159.3	6283.1	6442.4	1.000	126.5	1578.0	1570.0	76.7	.3	3.6	.0150	.169	.168	0	49.88
295	.006	1.844	3	159.3	6282.9	6442.2	1.000	126.5	1578.0	1570.0	76.7	.3	3.6	.0150	.168	.168	1	49.88
295	.006	1.844	3	159.3	6283.0	6442.3	1.000	126.5	1578.0	1570.0	76.7	.3	3.6	.0150	.168	.168	2	49.88
296	.006	1.850	3	152.5	6265.2	6417.8	1.000	126.9	1578.0	1570.0	77.0	.3	3.6	.0150	.168	.167	0	49.88
[illegible]	.006	1.850	3	152.5	6265.1	6417.6	1.000	126.9	1578.0	1570.0	77.0	.3	3.6	.0150	.167	.168	1	49.88
296	.006	1.850	3	152.5	6265.2	6417.7	1.000	126.9	1578.0	1570.0	77.0	.3	3.6	.0150	.168	.168	2	49.88
297	.006	1.856	3	145.8	6247.2	6392.9	1.000	127.2	1578.0	1570.0	77.4	.3	3.6	.0150	.168	.167	0	49.88
297	.006	1.856	3	145.7	6247.3	6393.1	1.000	127.2	1578.0	1570.0	77.4	.3	3.6	.0150	.167	.167	1	49.88

298	.006	1.863	3	138.9	6229.2	6368.1	1.000	127.5	1578.0	1570.0	77.7	.3	3.6	.0150	.167	.166	0 49.88
298	.006	1.863	3	138.9	6229.0	6367.9	1.000	127.5	1578.0	1570.0	77.7	.3	3.6	.0150	.166	.167	1 49.88
298	.006	1.863	3	138.9	6229.1	6368.0	1.000	127.5	1578.0	1570.0	77.7	.3	3.6	.0150	.167	.167	2 49.88
[illegible]	.006	1.869	3	132.1	6210.7	6342.8	1.000	127.9	1577.9	1570.0	78.0	.3	3.6	.0150	.167	.166	0 49.88
[illegible]	.006	1.869	3	132.1	6210.5	6342.6	1.000	127.9	1577.9	1570.0	78.0	.3	3.5	.0150	.166	.166	1 49.88
299	.006	1.869	3	132.1	6210.6	6342.7	1.000	127.9	1577.9	1570.0	78.0	.3	3.5	.0150	.166	.166	2 49.88
300	.006	1.875	3	125.4	6192.2	6317.6	1.000	128.2	1577.9	1570.0	78.4	.3	3.5	.0150	.166	.165	0 49.88

Step I	Time Step (hr) DTH	Elpse Time (hr) T	Fail Code KG	Spillway Outflow (cfs) QTS	Breach Outflow (cfs) QB	Total Outflow (cfs) QTOT	Sbmrg Crctn Factr SUB	Brech Top Width (ft) BT	Rsrvor W. S. Elev. (ft - MSL) HY	Breach Bottom Elev. (ft - MSL) HC	Brech Bottm Width (ft) BO	Breach Width Incres (ft) PPP	Breach Flow Depth (ft) HP	Brech Manig (n) CNN	Estmte Erosin Depth Incrse (ft) DH	Comput Erosin Depth Incrse (ft) DHH	Itrtn Count KIT	Brech Vrtcl Side Angle (deg) ALG
300	.006	1.875	3	125.4	6192.0	6317.4	1.000	128.2	1577.9	1570.0	78.4	.3	3.5	.0150	.165	.166	1	49.88
300	.006	1.875	3	125.4	6192.1	6317.5	1.000	128.2	1577.9	1570.0	78.4	.3	3.5	.0150	.166	.166	2	49.88
301	.006	1.881	3	118.5	6173.3	6291.8	1.000	128.5	1577.9	1570.0	78.7	.3	3.5	.0150	.166	.165	0	49.88
301	.006	1.881	3	118.5	6173.1	6291.7	1.000	128.5	1577.9	1570.0	78.7	.3	3.5	.0150	.165	.165	1	49.88
301	.006	1.881	3	118.5	6173.2	6291.8	1.000	128.5	1577.9	1570.0	78.7	.3	3.5	.0150	.165	.165	2	49.88
302	.006	1.888	3	111.8	6154.2	6266.0	1.000	128.9	1577.9	1570.0	79.0	.3	3.5	.0150	.165	.165	0	49.88
302	.006	1.888	3	111.7	6154.4	6266.1	1.000	128.9	1577.9	1570.0	79.0	.3	3.5	.0150	.165	.165	1	49.88
303	.006	1.894	3	105.0	6135.1	6240.1	1.000	129.2	1577.8	1570.0	79.4	.3	3.5	.0150	.165	.164	0	49.88
303	.006	1.894	3	105.0	6134.9	6239.9	1.000	129.2	1577.8	1570.0	79.4	.3	3.5	.0150	.164	.164	1	49.88
303	.006	1.894	3	105.0	6135.0	6240.0	1.000	129.2	1577.8	1570.0	79.4	.3	3.5	.0150	.164	.164	2	49.88
304	.006	1.900	3	98.2	6115.6	6213.8	1.000	129.5	1577.8	1570.0	79.7	.3	3.5	.0150	.164	.163	0	49.88
304	.006	1.900	3	98.1	6115.6	6213.8	1.000	129.5	1577.8	1570.0	79.7	.3	3.5	.0150	.163	.164	1	49.88
304	.006	1.900	3	98.2	6115.7	6213.9	1.000	129.5	1577.8	1570.0	79.7	.3	3.5	.0150	.164	.164	2	49.88
305	.006	1.906	3	91.4	6096.1	6187.4	1.000	129.9	1577.8	1570.0	80.0	.3	3.5	.0150	.164	.163	0	49.88
305	.006	1.906	3	91.4	6095.9	6187.3	1.000	129.9	1577.8	1570.0	80.0	.3	3.4	.0150	.163	.163	1	49.88
[illegible]	.006	1.906	3	91.4	6096.0	6187.4	1.000	129.9	1577.8	1570.0	80.0	.3	3.5	.0150	.163	.163	2	49.88
[illegible]	.006	1.913	3	84.6	6076.3	6160.9	1.000	130.2	1577.8	1570.0	80.3	.3	3.5	.0150	.163	.162	0	49.88
306	.006	1.913	3	84.6	6076.2	6160.8	1.000	130.2	1577.8	1570.0	80.3	.3	3.4	.0150	.162	.163	1	49.88
306	.006	1.913	3	84.6	6076.3	6160.8	1.000	130.2	1577.8	1570.0	80.3	.3	3.4	.0150	.163	.162	2	49.88
307	.006	1.919	3	77.8	6056.2	6134.0	1.000	130.5	1577.8	1570.0	80.7	.3	3.4	.0150	.163	.161	0	49.88
307	.006	1.919	3	77.8	6056.2	6134.0	1.000	130.5	1577.8	1570.0	80.7	.3	3.4	.0150	.161	.162	1	49.88
307	.006	1.919	3	77.8	6056.3	6134.1	1.000	130.5	1577.8	1570.0	80.7	.3	3.4	.0150	.162	.162	2	49.88
308	.006	1.925	3	71.0	6036.0	6107.0	1.000	130.8	1577.7	1570.0	81.0	.3	3.4	.0150	.162	.161	0	49.88
308	.006	1.925	3	71.0	6035.9	6106.9	1.000	130.8	1577.7	1570.0	81.0	.3	3.4	.0150	.161	.161	1	49.88
308	.006	1.925	3	71.0	6035.9	6106.9	1.000	130.8	1577.7	1570.0	81.0	.3	3.4	.0150	.161	.161	2	49.88
308	.006	1.925	3	71.0	6035.9	6106.9	1.000	130.8	1577.7	1570.0	81.0	.3	3.4	.0150	.161	.162	3	49.88
308	.006	1.925	3	71.0	6036.0	6107.0	1.000	130.8	1577.7	1570.0	81.0	.3	3.4	.0150	.162	.162	4	49.88
308	.006	1.925	3	71.0	6036.0	6107.0	1.000	130.8	1577.7	1570.0	81.0	.3	3.4	.0150	.162	.161	5	49.88
309	.006	1.931	3	64.2	6015.8	6080.0	1.000	131.2	1577.7	1570.0	81.3	.3	3.4	.0150	.162	.160	0	49.88
309	.006	1.931	3	64.2	6015.5	6079.8	1.000	131.1	1577.7	1570.0	81.3	.3	3.4	.0150	.160	.161	1	49.88
309	.006	1.931	3	64.2	6015.6	6079.8	1.000	131.1	1577.7	1570.0	81.3	.3	3.4	.0150	.161	.161	2	49.88
309	.006	1.931	3	64.2	6015.6	6079.8	1.000	131.1	1577.7	1570.0	81.3	.3	3.4	.0150	.161	.161	3	49.88
309	.006	1.931	3	64.2	6015.6	6079.9	1.000	131.2	1577.7	1570.0	81.3	.3	3.4	.0150	.161	.161	4	49.88
309	.006	1.931	3	64.2	6015.7	6079.9	1.000	131.2	1577.7	1570.0	81.3	.3	3.4	.0150	.161	.160	5	49.88
310	.006	1.938	3	57.5	5995.2	6052.7	1.000	131.5	1577.7	1570.0	81.6	.3	3.4	.0150	.161	.159	0	49.88
310	.006	1.938	3	57.5	5995.0	6052.4	1.000	131.5	1577.7	1570.0	81.6	.3	3.4	.0150	.159	.160	1	49.88
310	.006	1.938	3	57.5	5995.0	6052.5	1.000	131.5	1577.7	1570.0	81.6	.3	3.4	.0150	.160	.160	2	49.88
310	.006	1.938	3	57.5	5995.0	6052.5	1.000	131.5	1577.7	1570.0	81.6	.3	3.4	.0150	.160	.160	3	49.88
310	.006	1.938	3	57.5	5995.1	6052.5	1.000	131.5	1577.7	1570.0	81.6	.3	3.4	.0150	.160	.160	4	49.88
310	.006	1.938	3	57.5	5995.1	6052.6	1.000	131.5	1577.7	1570.0	81.6	.3	3.4	.0150	.160	.161	5	49.88
311	.006	1.944	3	50.7	5974.4	6025.1	1.000	131.8	1577.7	1570.0	82.0	.3	3.4	.0150	.160	.160	0	49.88
[illegible]	.006	1.944	3	50.7	5974.4	6025.0	1.000	131.8	1577.7	1570.0	82.0	.3	3.4	.0150	.160	.160	1	49.88
[illegible]	.006	1.944	3	50.7	5974.4	6025.1	1.000	131.8	1577.7	1570.0	82.0	.3	3.4	.0150	.160	.159	2	49.88
311	.006	1.944	3	50.7	5974.2	6024.9	1.000	131.8	1577.7	1570.0	82.0	.3	3.4	.0150	.159	.159	3	49.88
311	.006	1.944	3	50.7	5974.3	6024.9	1.000	131.8	1577.7	1570.0	82.0	.3	3.4	.0150	.159	.159	4	49.88
311	.006	1.944	3	50.7	5974.3	6025.0	1.000	131.8	1577.7	1570.0	82.0	.3	3.4	.0150	.159	.160	5	49.88

312	.006	1.950	3	43.9	5953.3	5997.2	1.000	132.1	1577.6	1570.0	82.3	.3	3.4	.0150	.159	.159	0	49.88
312	.006	1.950	3	43.9	5953.3	5997.2	1.000	132.1	1577.6	1570.0	82.3	.3	3.3	.0150	.159	.159	1	49.88
312	.006	1.950	3	43.9	5953.3	5997.2	1.000	132.1	1577.6	1570.0	82.3	.3	3.4	.0150	.159	.159	2	49.88
[illegible]	.006	1.950	3	43.9	5953.3	5997.3	1.000	132.1	1577.6	1570.0	82.3	.3	3.4	.0150	.159	.158	3	49.88
[illegible]	.006	1.950	3	43.9	5953.2	5997.1	1.000	132.1	1577.6	1570.0	82.3	.3	3.3	.0150	.158	.158	4	49.88
312	.006	1.950	3	43.9	5953.2	5997.1	1.000	132.1	1577.6	1570.0	82.3	.3	3.3	.0150	.158	.159	5	49.88
313	.006	1.956	3	37.1	5932.0	5969.1	1.000	132.4	1577.6	1570.0	82.6	.3	3.3	.0150	.158	.158	0	49.88
313	.006	1.956	3	37.1	5932.0	5969.1	1.000	132.4	1577.6	1570.0	82.6	.3	3.3	.0150	.158	.158	1	49.88
313	.006	1.956	3	37.1	5932.0	5969.1	1.000	132.4	1577.6	1570.0	82.6	.3	3.3	.0150	.158	.159	2	49.88
313	.006	1.956	3	37.1	5932.0	5969.2	1.000	132.4	1577.6	1570.0	82.6	.3	3.3	.0150	.159	.159	3	49.88
313	.006	1.956	3	37.1	5932.1	5969.2	1.000	132.4	1577.6	1570.0	82.6	.3	3.3	.0150	.159	.159	4	49.88
313	.006	1.956	3	37.1	5932.1	5969.2	1.000	132.4	1577.6	1570.0	82.6	.3	3.3	.0150	.159	.158	5	49.88
314	.006	1.963	3	30.4	5911.0	5941.4	1.000	132.7	1577.6	1570.0	82.9	.3	3.3	.0150	.159	.157	0	49.88
314	.006	1.963	3	30.4	5910.8	5941.2	1.000	132.7	1577.6	1570.0	82.9	.3	3.3	.0150	.157	.157	1	49.88
314	.006	1.963	3	30.4	5910.8	5941.2	1.000	132.7	1577.6	1570.0	82.9	.3	3.3	.0150	.157	.158	2	49.88
314	.006	1.963	3	30.4	5910.9	5941.3	1.000	132.7	1577.6	1570.0	82.9	.3	3.3	.0150	.158	.158	3	49.88
314	.006	1.963	3	30.4	5910.9	5941.3	1.000	132.7	1577.6	1570.0	82.9	.3	3.3	.0150	.158	.158	4	49.88
314	.006	1.963	3	30.4	5910.9	5941.3	1.000	132.7	1577.6	1570.0	82.9	.3	3.3	.0150	.158	.158	5	49.88
315	.006	1.969	3	23.6	5889.4	5913.0	1.000	133.1	1577.6	1570.0	83.2	.3	3.3	.0150	.158	.158	0	49.88
315	.006	1.969	3	23.6	5889.4	5913.0	1.000	133.1	1577.6	1570.0	83.2	.3	3.3	.0150	.158	.158	1	49.88
315	.006	1.969	3	23.6	5889.4	5913.0	1.000	133.1	1577.6	1570.0	83.2	.3	3.3	.0150	.158	.157	2	49.88
315	.006	1.969	3	23.6	5889.2	5912.8	1.000	133.1	1577.6	1570.0	83.2	.3	3.3	.0150	.157	.157	3	49.88
315	.006	1.969	3	23.6	5889.3	5912.9	1.000	133.1	1577.6	1570.0	83.2	.3	3.3	.0150	.157	.157	4	49.88
315	.006	1.969	3	23.6	5889.3	5912.9	1.000	133.1	1577.6	1570.0	83.2	.3	3.3	.0150	.157	.157	5	49.88
316	.006	1.975	3	16.9	5867.8	5884.6	1.000	133.4	1577.6	1570.0	83.5	.3	3.3	.0150	.157	.157	0	49.88
316	.006	1.975	3	16.9	5867.7	5884.6	1.000	133.4	1577.6	1570.0	83.5	.3	3.3	.0150	.157	.157	1	49.88
316	.006	1.975	3	16.9	5867.7	5884.6	1.000	133.4	1577.6	1570.0	83.5	.3	3.3	.0150	.157	.157	2	49.88
316	.006	1.975	3	16.9	5867.8	5884.6	1.000	133.4	1577.6	1570.0	83.5	.3	3.3	.0150	.157	.156	3	49.88
316	.006	1.975	3	16.9	5867.6	5884.5	1.000	133.4	1577.6	1570.0	83.5	.3	3.3	.0150	.156	.156	4	49.88
[illegible]	.006	1.975	3	16.9	5867.6	5884.5	1.000	133.4	1577.6	1570.0	83.5	.3	3.3	.0150	.156	.156	5	49.88
[illegible]	.006	1.981	3	10.1	5845.6	5855.8	1.000	133.7	1577.5	1570.0	83.8	.3	3.3	.0150	.156	.156	0	49.88
317	.006	1.981	3	10.1	5845.8	5855.9	1.000	133.7	1577.5	1570.0	83.8	.3	3.3	.0150	.156	.156	1	49.88
317	.006	1.981	3	10.1	5845.8	5856.0	1.000	133.7	1577.5	1570.0	83.8	.3	3.3	.0150	.156	.156	2	49.88
317	.006	1.981	3	10.1	5845.9	5856.0	1.000	133.7	1577.5	1570.0	83.8	.3	3.3	.0150	.156	.156	3	49.88
317	.006	1.981	3	10.1	5845.9	5856.0	1.000	133.7	1577.5	1570.0	83.8	.3	3.3	.0150	.156	.157	4	49.88
317	.006	1.981	3	10.1	5845.9	5856.1	1.000	133.7	1577.5	1570.0	83.8	.3	3.3	.0150	.157	.155	5	49.88
318	.006	1.988	3	3.4	5823.9	5827.3	1.000	134.0	1577.5	1570.0	84.2	.3	3.3	.0150	.157	.155	0	49.88
318	.006	1.988	3	3.4	5823.8	5827.2	1.000	134.0	1577.5	1570.0	84.2	.3	3.3	.0150	.155	.155	1	49.88
318	.006	1.988	3	3.4	5823.9	5827.3	1.000	134.0	1577.5	1570.0	84.2	.3	3.3	.0150	.155	.155	2	49.88
318	.006	1.988	3	3.4	5823.9	5827.3	1.000	134.0	1577.5	1570.0	84.2	.3	3.3	.0150	.155	.155	3	49.88
318	.006	1.988	3	3.4	5823.9	5827.3	1.000	134.0	1577.5	1570.0	84.2	.3	3.3	.0150	.155	.156	4	49.88
318	.006	1.988	3	3.4	5824.0	5827.4	1.000	134.0	1577.5	1570.0	84.2	.3	3.3	.0150	.156	.156	5	49.88
319	.006	1.994	3	.0	5801.7	5801.7	1.000	134.3	1577.5	1570.0	84.5	.3	3.3	.0150	.156	.155	0	49.88
319	.006	1.994	3	.0	5801.8	5801.8	1.000	134.3	1577.5	1570.0	84.5	.3	3.3	.0150	.155	.156	1	49.88
319	.006	1.994	3	.0	5801.9	5801.9	1.000	134.3	1577.5	1570.0	84.5	.3	3.3	.0150	.156	.154	2	49.88
319	.006	1.994	3	.0	5801.7	5801.7	1.000	134.3	1577.5	1570.0	84.5	.3	3.2	.0150	.154	.155	3	49.88
319	.006	1.994	3	.0	5801.7	5801.7	1.000	134.3	1577.5	1570.0	84.5	.3	3.2	.0150	.155	.155	4	49.88
319	.006	1.994	3	.0	5801.8	5801.8	1.000	134.3	1577.5	1570.0	84.5	.3	3.2	.0150	.155	.155	5	49.88
320	.006	2.000	3	.0	5779.2	5779.2	1.000	134.6	1577.5	1570.0	84.8	.3	3.2	.0150	.155	.154	0	49.88
320	.006	2.000	3	.0	5779.4	5779.4	1.000	134.6	1577.5	1570.0	84.8	.3	3.2	.0150	.154	.155	1	49.88
320	.006	2.000	3	.0	5779.4	5779.4	1.000	134.6	1577.5	1570.0	84.8	.3	3.2	.0150	.155	.155	2	49.88
320	.006	2.000	3	.0	5779.4	5779.4	1.000	134.6	1577.5	1570.0	84.8	.3	3.2	.0150	.155	.154	3	49.88
320	.006	2.000	3	.0	5779.3	5779.3	1.000	134.6	1577.5	1570.0	84.8	.3	3.2	.0150	.154	.154	4	49.88
320	.006	2.000	3	.0	5779.3	5779.3	1.000	134.6	1577.5	1570.0	84.8	.3	3.2	.0150	.154	.154	5	49.88
321	.006	2.006	3	.0	5756.5	5756.5	1.000	134.9	1577.4	1570.0	85.1	.3	3.2	.0150	.154	.153	0	49.88
[illegible]	.006	2.006	3	.0	5756.7	5756.7	1.000	134.9	1577.4	1570.0	85.1	.3	3.2	.0150	.153	.154	1	49.88
[illegible]	.006	2.006	3	.0	5756.7	5756.7	1.000	134.9	1577.4	1570.0	85.1	.3	3.2	.0150	.154	.154	2	49.88
321	.006	2.006	3	.0	5756.8	5756.8	1.000	134.9	1577.4	1570.0	85.1	.3	3.2	.0150	.154	.154	3	49.88
321	.006	2.006	3	.0	5756.8	5756.8	1.000	134.9	1577.4	1570.0	85.1	.3	3.2	.0150	.154	.153	4	49.88
321	.006	2.006	3	.0	5756.6	5756.6	1.000	134.9	1577.4	1570.0	85.1	.3	3.2	.0150	.153	.153	5	49.88

322	.006	2.013	3	.0	5733.6	5733.6	1.000	135.2	1577.4	1570.0	85.4	.3	3.2	.0150	.153	.152	0	49.88
322	.006	2.013	3	.0	5733.8	5733.8	1.000	135.2	1577.4	1570.0	85.4	.3	3.2	.0150	.152	.153	1	49.88
322	.006	2.013	3	.0	5733.8	5733.8	1.000	135.2	1577.4	1570.0	85.4	.3	3.2	.0150	.153	.153	2	49.88
[illegible]	.006	2.013	3	.0	5733.8	5733.8	1.000	135.2	1577.4	1570.0	85.4	.3	3.2	.0150	.153	.153	3	49.88
[illegible]	.006	2.013	3	.0	5733.9	5733.9	1.000	135.2	1577.4	1570.0	85.4	.3	3.2	.0150	.153	.153	4	49.88
322	.006	2.013	3	.0	5733.9	5733.9	1.000	135.2	1577.4	1570.0	85.4	.3	3.2	.0150	.153	.154	5	49.88
323	.006	2.019	3	.0	5710.8	5710.8	1.000	135.5	1577.4	1570.0	85.7	.3	3.2	.0150	.153	.153	0	49.88
323	.006	2.019	3	.0	5711.0	5711.0	1.000	135.5	1577.4	1570.0	85.7	.3	3.2	.0150	.153	.152	1	49.88
323	.006	2.019	3	.0	5710.8	5710.8	1.000	135.5	1577.4	1570.0	85.7	.3	3.2	.0150	.152	.152	2	49.88
323	.006	2.019	3	.0	5710.9	5710.9	1.000	135.5	1577.4	1570.0	85.7	.3	3.2	.0150	.152	.152	3	49.88
323	.006	2.019	3	.0	5710.9	5710.9	1.000	135.5	1577.4	1570.0	85.7	.3	3.2	.0150	.152	.152	4	49.88
323	.006	2.019	3	.0	5710.9	5710.9	1.000	135.5	1577.4	1570.0	85.7	.3	3.2	.0150	.152	.153	5	49.88
324	.006	2.025	3	.0	5687.6	5687.6	1.000	135.8	1577.4	1570.0	86.0	.3	3.2	.0150	.152	.152	0	49.88
324	.006	2.025	3	.0	5687.6	5687.6	1.000	135.8	1577.4	1570.0	86.0	.3	3.2	.0150	.152	.152	1	49.88
324	.006	2.025	3	.0	5687.6	5687.6	1.000	135.8	1577.4	1570.0	86.0	.3	3.2	.0150	.152	.151	2	49.88
324	.006	2.025	3	.0	5687.4	5687.4	1.000	135.8	1577.4	1570.0	86.0	.3	3.2	.0150	.151	.151	3	49.88
324	.006	2.025	3	.0	5687.5	5687.5	1.000	135.8	1577.4	1570.0	86.0	.3	3.2	.0150	.151	.151	4	49.88
324	.006	2.025	3	.0	5687.5	5687.5	1.000	135.8	1577.4	1570.0	86.0	.3	3.2	.0150	.151	.152	5	49.88
325	.006	2.031	3	.0	5664.2	5664.2	1.000	136.1	1577.4	1570.0	86.3	.3	3.2	.0150	.151	.151	0	49.88
325	.006	2.031	3	.0	5664.1	5664.1	1.000	136.1	1577.4	1570.0	86.3	.3	3.2	.0150	.151	.151	1	49.88
325	.006	2.031	3	.0	5664.1	5664.1	1.000	136.1	1577.4	1570.0	86.3	.3	3.2	.0150	.151	.151	2	49.88
325	.006	2.031	3	.0	5664.2	5664.2	1.000	136.1	1577.4	1570.0	86.3	.3	3.2	.0150	.151	.152	3	49.88
325	.006	2.031	3	.0	5664.2	5664.2	1.000	136.1	1577.4	1570.0	86.3	.3	3.2	.0150	.152	.150	4	49.88
325	.006	2.031	3	.0	5664.0	5664.0	1.000	136.1	1577.4	1570.0	86.3	.3	3.2	.0150	.150	.151	5	49.88
326	.006	2.038	3	.0	5640.5	5640.5	1.000	136.4	1577.3	1570.0	86.6	.3	3.2	.0150	.150	.150	0	49.88
326	.006	2.038	3	.0	5640.4	5640.4	1.000	136.4	1577.3	1570.0	86.6	.3	3.1	.0150	.150	.150	1	49.88
326	.006	2.038	3	.0	5640.5	5640.5	1.000	136.4	1577.3	1570.0	86.6	.3	3.1	.0150	.150	.150	2	49.88
326	.006	2.038	3	.0	5640.5	5640.5	1.000	136.4	1577.3	1570.0	86.6	.3	3.1	.0150	.150	.151	3	49.88
326	.006	2.038	3	.0	5640.5	5640.5	1.000	136.4	1577.3	1570.0	86.6	.3	3.1	.0150	.151	.151	4	49.88
[illegible]	.006	2.038	3	.0	5640.6	5640.6	1.000	136.4	1577.3	1570.0	86.6	.3	3.2	.0150	.151	.150	5	49.88
[illegible]	.006	2.044	3	.0	5616.9	5616.9	1.000	136.7	1577.3	1570.0	86.9	.3	3.1	.0150	.151	.149	0	49.88
327	.006	2.044	3	.0	5616.7	5616.7	1.000	136.7	1577.3	1570.0	86.9	.3	3.1	.0150	.149	.149	1	49.88
327	.006	2.044	3	.0	5616.7	5616.7	1.000	136.7	1577.3	1570.0	86.9	.3	3.1	.0150	.149	.149	2	49.88
327	.006	2.044	3	.0	5616.8	5616.8	1.000	136.7	1577.3	1570.0	86.9	.3	3.1	.0150	.149	.150	3	49.88
327	.006	2.044	3	.0	5616.8	5616.8	1.000	136.7	1577.3	1570.0	86.9	.3	3.1	.0150	.150	.150	4	49.88
327	.006	2.044	3	.0	5616.8	5616.8	1.000	136.7	1577.3	1570.0	86.9	.3	3.1	.0150	.150	.150	5	49.88
328	.006	2.050	3	.0	5592.8	5592.8	1.000	137.0	1577.3	1570.0	87.2	.3	3.1	.0150	.150	.150	0	49.88
328	.006	2.050	3	.0	5592.7	5592.7	1.000	137.0	1577.3	1570.0	87.2	.3	3.1	.0150	.150	.150	1	49.88
328	.006	2.050	3	.0	5592.7	5592.7	1.000	137.0	1577.3	1570.0	87.2	.3	3.1	.0150	.150	.149	2	49.88
328	.006	2.050	3	.0	5592.6	5592.6	1.000	137.0	1577.3	1570.0	87.2	.3	3.1	.0150	.149	.149	3	49.88
328	.006	2.050	3	.0	5592.6	5592.6	1.000	137.0	1577.3	1570.0	87.2	.3	3.1	.0150	.149	.149	4	49.88
328	.006	2.050	3	.0	5592.6	5592.6	1.000	137.0	1577.3	1570.0	87.2	.3	3.1	.0150	.149	.149	5	49.88
329	.006	2.056	3	.0	5568.6	5568.6	1.000	137.3	1577.3	1570.0	87.5	.3	3.1	.0150	.149	.149	0	49.88
329	.006	2.056	3	.0	5568.5	5568.5	1.000	137.3	1577.3	1570.0	87.5	.3	3.1	.0150	.149	.149	1	49.88
329	.006	2.056	3	.0	5568.5	5568.5	1.000	137.3	1577.3	1570.0	87.5	.3	3.1	.0150	.149	.149	2	49.88
329	.006	2.056	3	.0	5568.6	5568.6	1.000	137.3	1577.3	1570.0	87.5	.3	3.1	.0150	.149	.148	3	49.88
329	.006	2.056	3	.0	5568.4	5568.4	1.000	137.3	1577.3	1570.0	87.5	.3	3.1	.0150	.148	.148	4	49.88
329	.006	2.056	3	.0	5568.5	5568.5	1.000	137.3	1577.3	1570.0	87.5	.3	3.1	.0150	.148	.148	5	49.88
330	.006	2.063	3	.0	5544.2	5544.2	1.000	137.6	1577.2	1570.0	87.8	.3	3.1	.0150	.148	.148	0	49.88
330	.006	2.063	3	.0	5544.1	5544.1	1.000	137.6	1577.2	1570.0	87.8	.3	3.1	.0150	.148	.148	1	49.88
330	.006	2.063	3	.0	5544.1	5544.1	1.000	137.6	1577.2	1570.0	87.8	.3	3.1	.0150	.148	.148	2	49.88
330	.006	2.063	3	.0	5544.2	5544.2	1.000	137.6	1577.2	1570.0	87.8	.3	3.1	.0150	.148	.148	3	49.88
330	.006	2.063	3	.0	5544.2	5544.2	1.000	137.6	1577.2	1570.0	87.8	.3	3.1	.0150	.148	.147	4	49.88
330	.006	2.063	3	.0	5544.0	5544.0	1.000	137.6	1577.2	1570.0	87.8	.3	3.1	.0150	.147	.147	5	49.88
331	.006	2.069	3	.0	5519.3	5519.3	1.000	137.9	1577.2	1570.0	88.1	.3	3.1	.0150	.147	.147	0	49.88
[illegible]	.006	2.069	3	.0	5519.5	5519.5	1.000	137.9	1577.2	1570.0	88.1	.3	3.1	.0150	.147	.147	1	49.88
[illegible]	.006	2.069	3	.0	5519.5	5519.5	1.000	137.9	1577.2	1570.0	88.1	.3	3.1	.0150	.147	.147	2	49.88
331	.006	2.069	3	.0	5519.5	5519.5	1.000	137.9	1577.2	1570.0	88.1	.3	3.1	.0150	.147	.147	3	49.88
331	.006	2.069	3	.0	5519.6	5519.6	1.000	137.9	1577.2	1570.0	88.1	.3	3.1	.0150	.147	.148	4	49.88
331	.006	2.069	3	.0	5519.6	5519.6	1.000	137.9	1577.2	1570.0	88.1	.3	3.1	.0150	.148	.148	5	49.88

332	.006	2.075	3	.0	5494.8	5494.8	1.000	138.2	1577.2	1570.0	88.4	.3	3.1	.0150	.148	.147	0 49.88
332	.006	2.075	3	.0	5494.7	5494.7	1.000	138.2	1577.2	1570.0	88.4	.3	3.1	.0150	.147	.146	1 49.88
332	.006	2.075	3	.0	5494.6	5494.6	1.000	138.2	1577.2	1570.0	88.4	.3	3.0	.0150	.146	.146	2 49.88
[illegible]	.006	2.075	3	.0	5494.6	5494.6	1.000	138.2	1577.2	1570.0	88.4	.3	3.1	.0150	.146	.146	3 49.88
[illegible]	.006	2.075	3	.0	5494.6	5494.6	1.000	138.2	1577.2	1570.0	88.4	.3	3.1	.0150	.146	.147	4 49.88
332	.006	2.075	3	.0	5494.7	5494.7	1.000	138.2	1577.2	1570.0	88.4	.3	3.1	.0150	.147	.147	5 49.88
333	.006	2.081	3	.0	5471.3	5471.3	1.000	138.5	1577.2	1570.0	88.7	.3	3.1	.0150	.147	.146	0 49.88
333	.006	2.081	3	.0	5471.3	5471.3	1.000	138.5	1577.2	1570.0	88.7	.3	3.0	.0150	.146	.146	1 49.88
333	.006	2.081	3	.0	5471.3	5471.3	1.000	138.5	1577.2	1570.0	88.7	.3	3.0	.0150	.146	.145	2 49.88
333	.006	2.081	3	.0	5471.2	5471.2	1.000	138.5	1577.2	1570.0	88.7	.3	3.0	.0150	.145	.145	3 49.88
333	.006	2.081	3	.0	5471.2	5471.2	1.000	138.5	1577.2	1570.0	88.7	.3	3.0	.0150	.145	.146	4 49.88
333	.006	2.081	3	.0	5471.2	5471.2	1.000	138.5	1577.2	1570.0	88.7	.3	3.0	.0150	.146	.146	5 49.88
334	.006	2.088	3	.0	5461.0	5461.0	1.000	138.8	1577.2	1570.0	89.0	.3	3.0	.0150	.146	.145	0 49.88
334	.006	2.088	3	.0	5460.9	5460.9	1.000	138.8	1577.2	1570.0	89.0	.3	3.0	.0150	.145	.145	1 49.88
334	.006	2.088	3	.0	5461.0	5461.0	1.000	138.8	1577.2	1570.0	89.0	.3	3.0	.0150	.145	.146	2 49.88
334	.006	2.088	3	.0	5461.0	5461.0	1.000	138.8	1577.2	1570.0	89.0	.3	3.0	.0150	.146	.146	3 49.88
334	.006	2.088	3	.0	5461.0	5461.0	1.000	138.8	1577.2	1570.0	89.0	.3	3.0	.0150	.146	.146	4 49.88
334	.006	2.088	3	.0	5461.0	5461.0	1.000	138.8	1577.2	1570.0	89.0	.3	3.0	.0150	.146	.145	5 49.88
335	.006	2.094	3	.0	5450.8	5450.8	1.000	139.1	1577.1	1570.0	89.3	.3	3.0	.0150	.146	.146	0 49.88
335	.006	2.094	3	.0	5450.7	5450.7	1.000	139.1	1577.1	1570.0	89.3	.3	3.0	.0150	.146	.146	1 49.88
335	.006	2.094	3	.0	5450.7	5450.7	1.000	139.1	1577.1	1570.0	89.3	.3	3.0	.0150	.146	.145	2 49.88
335	.006	2.094	3	.0	5450.6	5450.6	1.000	139.1	1577.1	1570.0	89.2	.3	3.0	.0150	.145	.145	3 49.88
335	.006	2.094	3	.0	5450.6	5450.6	1.000	139.1	1577.1	1570.0	89.2	.3	3.0	.0150	.145	.145	4 49.88
335	.006	2.094	3	.0	5450.7	5450.7	1.000	139.1	1577.1	1570.0	89.3	.3	3.0	.0150	.145	.145	5 49.88
336	.006	2.100	3	.0	5440.1	5440.1	1.000	139.4	1577.1	1570.0	89.5	.3	3.0	.0150	.145	.145	0 49.88
336	.006	2.100	3	.0	5440.1	5440.1	1.000	139.4	1577.1	1570.0	89.5	.3	3.0	.0150	.145	.145	1 49.88
336	.006	2.100	3	.0	5440.1	5440.1	1.000	139.4	1577.1	1570.0	89.5	.3	3.0	.0150	.145	.145	2 49.88
336	.006	2.100	3	.0	5440.1	5440.1	1.000	139.4	1577.1	1570.0	89.5	.3	3.0	.0150	.145	.145	3 49.88
336	.006	2.100	3	.0	5440.2	5440.2	1.000	139.4	1577.1	1570.0	89.5	.3	3.0	.0150	.145	.146	4 49.88
[illegible]	.006	2.100	3	.0	5440.2	5440.2	1.000	139.4	1577.1	1570.0	89.5	.3	3.0	.0150	.146	.144	5 49.88
[illegible]	.006	2.106	3	.0	5429.5	5429.5	1.000	139.7	1577.1	1570.0	89.8	.3	3.0	.0150	.146	.145	0 49.88
337	.006	2.106	3	.0	5429.4	5429.4	1.000	139.7	1577.1	1570.0	89.8	.3	3.0	.0150	.145	.144	1 49.88
337	.006	2.106	3	.0	5429.3	5429.3	1.000	139.7	1577.1	1570.0	89.8	.3	3.0	.0150	.144	.144	2 49.88
337	.006	2.106	3	.0	5429.3	5429.3	1.000	139.7	1577.1	1570.0	89.8	.3	3.0	.0150	.144	.144	3 49.88
337	.006	2.106	3	.0	5429.4	5429.4	1.000	139.7	1577.1	1570.0	89.8	.3	3.0	.0150	.144	.145	4 49.88
337	.006	2.106	3	.0	5429.4	5429.4	1.000	139.7	1577.1	1570.0	89.8	.3	3.0	.0150	.145	.145	5 49.88
338	.006	2.113	3	.0	5418.3	5418.3	1.000	140.0	1577.1	1570.0	90.1	.3	3.0	.0150	.145	.144	0 49.88
338	.006	2.113	3	.0	5418.3	5418.3	1.000	140.0	1577.1	1570.0	90.1	.3	3.0	.0150	.144	.144	1 49.88
338	.006	2.113	3	.0	5418.3	5418.3	1.000	140.0	1577.1	1570.0	90.1	.3	3.0	.0150	.144	.145	2 49.88
338	.006	2.113	3	.0	5418.3	5418.3	1.000	140.0	1577.1	1570.0	90.1	.3	3.0	.0150	.145	.145	3 49.88
338	.006	2.113	3	.0	5418.4	5418.4	1.000	140.0	1577.1	1570.0	90.1	.3	3.0	.0150	.145	.144	4 49.88
338	.006	2.113	3	.0	5418.2	5418.2	1.000	139.9	1577.1	1570.0	90.1	.3	3.0	.0150	.144	.144	5 49.88
339	.006	2.119	3	.0	5406.9	5406.9	1.000	140.2	1577.0	1570.0	90.4	.3	3.0	.0150	.144	.145	0 49.88
339	.006	2.119	3	.0	5407.0	5407.0	1.000	140.2	1577.0	1570.0	90.4	.3	3.0	.0150	.145	.143	1 49.88
339	.006	2.119	3	.0	5406.9	5406.9	1.000	140.2	1577.0	1570.0	90.4	.3	3.0	.0150	.143	.144	2 49.88
339	.006	2.119	3	.0	5406.9	5406.9	1.000	140.2	1577.0	1570.0	90.4	.3	3.0	.0150	.144	.144	3 49.88
339	.006	2.119	3	.0	5407.0	5407.0	1.000	140.2	1577.0	1570.0	90.4	.3	3.0	.0150	.144	.144	4 49.88
339	.006	2.119	3	.0	5407.0	5407.0	1.000	140.2	1577.0	1570.0	90.4	.3	3.0	.0150	.144	.144	5 49.88
340	.006	2.125	3	.0	5395.5	5395.5	1.000	140.5	1577.0	1570.0	90.7	.3	3.0	.0150	.144	.144	0 49.88
340	.006	2.125	3	.0	5395.5	5395.5	1.000	140.5	1577.0	1570.0	90.7	.3	3.0	.0150	.144	.144	1 49.88
340	.006	2.125	3	.0	5395.5	5395.5	1.000	140.5	1577.0	1570.0	90.7	.3	3.0	.0150	.144	.144	2 49.88
340	.006	2.125	3	.0	5395.5	5395.5	1.000	140.5	1577.0	1570.0	90.7	.3	3.0	.0150	.144	.144	3 49.88
340	.006	2.125	3	.0	5395.5	5395.5	1.000	140.5	1577.0	1570.0	90.7	.3	3.0	.0150	.144	.143	4 49.88
340	.006	2.125	3	.0	5395.4	5395.4	1.000	140.5	1577.0	1570.0	90.7	.3	3.0	.0150	.143	.143	5 49.88
341	.006	2.131	3	.0	5383.7	5383.7	1.000	140.8	1577.0	1570.0	91.0	.3	3.0	.0150	.143	.144	0 49.88
[illegible]	.006	2.131	3	.0	5383.8	5383.8	1.000	140.8	1577.0	1570.0	91.0	.3	3.0	.0150	.144	.143	1 49.88
[illegible]	.006	2.131	3	.0	5383.7	5383.7	1.000	140.8	1577.0	1570.0	91.0	.3	3.0	.0150	.143	.143	2 49.88
341	.006	2.131	3	.0	5383.7	5383.7	1.000	140.8	1577.0	1570.0	91.0	.3	3.0	.0150	.143	.143	3 49.88
341	.006	2.131	3	.0	5383.7	5383.7	1.000	140.8	1577.0	1570.0	91.0	.3	3.0	.0150	.143	.144	4 49.88
341	.006	2.131	3	.0	5383.8	5383.8	1.000	140.8	1577.0	1570.0	91.0	.3	3.0	.0150	.144	.144	5 49.88

342	.006	2.138	3	.0	5371.9	5371.9	1.000	141.1	1577.0	1570.0	91.3	.3	3.0	.0150	.144	.143	0 49.88
342	.006	2.138	3	.0	5371.8	5371.8	1.000	141.1	1577.0	1570.0	91.3	.3	3.0	.0150	.143	.143	1 49.88
342	.006	2.138	3	.0	5371.9	5371.9	1.000	141.1	1577.0	1570.0	91.3	.3	3.0	.0150	.143	.144	2 49.88
[illegible]	.006	2.138	3	.0	5371.9	5371.9	1.000	141.1	1577.0	1570.0	91.3	.3	3.0	.0150	.144	.142	3 49.88
[illegible]	.006	2.138	3	.0	5371.7	5371.7	1.000	141.1	1577.0	1570.0	91.3	.3	2.9	.0150	.142	.143	4 49.88
342	.006	2.138	3	.0	5371.8	5371.8	1.000	141.1	1577.0	1570.0	91.3	.3	3.0	.0150	.143	.143	5 49.88
343	.006	2.144	3	.0	5359.5	5359.5	1.000	141.4	1576.9	1570.0	91.5	.3	3.0	.0150	.143	.142	0 49.88
343	.006	2.144	3	.0	5359.5	5359.5	1.000	141.4	1576.9	1570.0	91.5	.3	2.9	.0150	.142	.142	1 49.88
343	.006	2.144	3	.0	5359.5	5359.5	1.000	141.4	1576.9	1570.0	91.5	.3	2.9	.0150	.142	.143	2 49.88
343	.006	2.144	3	.0	5359.5	5359.5	1.000	141.4	1576.9	1570.0	91.5	.3	2.9	.0150	.143	.143	3 49.88
343	.006	2.144	3	.0	5359.6	5359.6	1.000	141.4	1576.9	1570.0	91.6	.3	2.9	.0150	.143	.143	4 49.88
343	.006	2.144	3	.0	5359.6	5359.6	1.000	141.4	1576.9	1570.0	91.6	.3	3.0	.0150	.143	.143	5 49.88
344	.006	2.150	3	.0	5347.3	5347.3	1.000	141.7	1576.9	1570.0	91.8	.3	3.0	.0150	.143	.143	0 49.88
344	.006	2.150	3	.0	5347.2	5347.2	1.000	141.7	1576.9	1570.0	91.8	.3	2.9	.0150	.143	.143	1 49.88
344	.006	2.150	3	.0	5347.3	5347.3	1.000	141.7	1576.9	1570.0	91.8	.3	2.9	.0150	.143	.143	2 49.88
344	.006	2.150	3	.0	5347.3	5347.3	1.000	141.7	1576.9	1570.0	91.8	.3	2.9	.0150	.143	.142	3 49.88
344	.006	2.150	3	.0	5347.2	5347.2	1.000	141.7	1576.9	1570.0	91.8	.3	2.9	.0150	.142	.142	4 49.88
344	.006	2.150	3	.0	5347.2	5347.2	1.000	141.7	1576.9	1570.0	91.8	.3	2.9	.0150	.142	.142	5 49.88
345	.006	2.156	3	.0	5334.5	5334.5	1.000	142.0	1576.9	1570.0	92.1	.3	2.9	.0150	.142	.142	0 49.88
345	.006	2.156	3	.0	5334.5	5334.5	1.000	141.9	1576.9	1570.0	92.1	.3	2.9	.0150	.142	.142	1 49.88
345	.006	2.156	3	.0	5334.5	5334.5	1.000	142.0	1576.9	1570.0	92.1	.3	2.9	.0150	.142	.142	2 49.88
345	.006	2.156	3	.0	5334.5	5334.5	1.000	142.0	1576.9	1570.0	92.1	.3	2.9	.0150	.142	.142	3 49.88
345	.006	2.156	3	.0	5334.5	5334.5	1.000	142.0	1576.9	1570.0	92.1	.3	2.9	.0150	.142	.142	4 49.88
345	.006	2.156	3	.0	5334.6	5334.6	1.000	142.0	1576.9	1570.0	92.1	.3	2.9	.0150	.142	.141	5 49.88
346	.006	2.163	3	.0	5321.9	5321.9	1.000	142.2	1576.9	1570.0	92.4	.3	2.9	.0150	.142	.142	0 49.88
346	.006	2.163	3	.0	5321.8	5321.8	1.000	142.2	1576.9	1570.0	92.4	.3	2.9	.0150	.142	.142	1 49.88
346	.006	2.163	3	.0	5321.8	5321.8	1.000	142.2	1576.9	1570.0	92.4	.3	2.9	.0150	.142	.141	2 49.88
346	.006	2.163	3	.0	5321.7	5321.7	1.000	142.2	1576.9	1570.0	92.4	.3	2.9	.0150	.141	.141	3 49.88
346	.006	2.163	3	.0	5321.7	5321.7	1.000	142.2	1576.9	1570.0	92.4	.3	2.9	.0150	.141	.141	4 49.88
[illegible]	.006	2.163	3	.0	5321.8	5321.8	1.000	142.2	1576.9	1570.0	92.4	.3	2.9	.0150	.141	.142	5 49.88
[illegible]	.006	2.169	3	.0	5308.7	5308.7	1.000	142.5	1576.9	1570.0	92.7	.3	2.9	.0150	.141	.141	0 49.88
347	.006	2.169	3	.0	5308.7	5308.7	1.000	142.5	1576.9	1570.0	92.7	.3	2.9	.0150	.141	.141	1 49.88
347	.006	2.169	3	.0	5308.7	5308.7	1.000	142.5	1576.9	1570.0	92.7	.3	2.9	.0150	.141	.141	2 49.88
347	.006	2.169	3	.0	5308.7	5308.7	1.000	142.5	1576.9	1570.0	92.7	.3	2.9	.0150	.141	.142	3 49.88
347	.006	2.169	3	.0	5308.7	5308.7	1.000	142.5	1576.9	1570.0	92.7	.3	2.9	.0150	.142	.142	4 49.88
347	.006	2.169	3	.0	5308.8	5308.8	1.000	142.5	1576.9	1570.0	92.7	.3	2.9	.0150	.142	.141	5 49.88
348	.006	2.175	3	.0	5295.5	5295.5	1.000	142.8	1576.8	1570.0	93.0	.3	2.9	.0150	.142	.141	0 49.88
348	.006	2.175	3	.0	5295.6	5295.6	1.000	142.8	1576.8	1570.0	93.0	.3	2.9	.0150	.141	.140	1 49.88
348	.006	2.175	3	.0	5295.5	5295.5	1.000	142.8	1576.8	1570.0	93.0	.3	2.9	.0150	.140	.140	2 49.88
348	.006	2.175	3	.0	5295.5	5295.5	1.000	142.8	1576.8	1570.0	93.0	.3	2.9	.0150	.140	.141	3 49.88
348	.006	2.175	3	.0	5295.5	5295.5	1.000	142.8	1576.8	1570.0	93.0	.3	2.9	.0150	.141	.141	4 49.88
348	.006	2.175	3	.0	5295.5	5295.5	1.000	142.8	1576.8	1570.0	93.0	.3	2.9	.0150	.141	.141	5 49.88
349	.006	2.181	3	.0	5281.9	5281.9	1.000	143.1	1576.8	1570.0	93.3	.3	2.9	.0150	.141	.140	0 49.88
349	.006	2.181	3	.0	5282.0	5282.0	1.000	143.1	1576.8	1570.0	93.2	.3	2.9	.0150	.140	.141	1 49.88
349	.006	2.181	3	.0	5282.1	5282.1	1.000	143.1	1576.8	1570.0	93.2	.3	2.9	.0150	.141	.141	2 49.88
349	.006	2.181	3	.0	5282.1	5282.1	1.000	143.1	1576.8	1570.0	93.3	.3	2.9	.0150	.141	.141	3 49.88
349	.006	2.181	3	.0	5282.1	5282.1	1.000	143.1	1576.8	1570.0	93.3	.3	2.9	.0150	.141	.140	4 49.88
349	.006	2.181	3	.0	5282.0	5282.0	1.000	143.1	1576.8	1570.0	93.2	.3	2.9	.0150	.140	.140	5 49.88
350	.006	2.188	3	.0	5268.2	5268.2	1.000	143.4	1576.8	1570.0	93.5	.3	2.9	.0150	.140	.141	0 49.88

I	Step Time Step (hr) DTH	Elpse Time (hr) T	Fail Code KG	Spillway Outflow (cfs) QTS	Breach Outflow (cfs) QB	Total Outflow (cfs) QTOT	Sbmrg Crctn Factr SUB	Brech Top Width (ft) BT	Rsrvor W. S. Elev. (ft - MSL) HY	Breach Bottom Elev. (ft - MSL) HC	Brech Bottm Width (ft) BO	Breach Width Incres (ft) PPP	Breach Flow Depth (ft) HP	Brech Manig (n) CNN	Estmte Erosin Depth Incrse (ft) DH	Comput Erosin Depth Incrse (ft) DHH	Itrtn Count KIT	Brech Vrtcl Side Angle (deg) ALG
350	.006	2.188	3	.0	5268.3	5268.3	1.000	143.4	1576.8	1570.0	93.5	.3	2.9	.0150	.141	.140	1	49.88
350	.006	2.188	3	.0	5268.2	5268.2	1.000	143.4	1576.8	1570.0	93.5	.3	2.9	.0150	.140	.140	2	49.88
350	.006	2.188	3	.0	5268.2	5268.2	1.000	143.4	1576.8	1570.0	93.5	.3	2.9	.0150	.140	.140	3	49.88
350	.006	2.188	3	.0	5268.2	5268.2	1.000	143.4	1576.8	1570.0	93.5	.3	2.9	.0150	.140	.140	4	49.88
350	.006	2.188	3	.0	5268.2	5268.2	1.000	143.4	1576.8	1570.0	93.5	.3	2.9	.0150	.140	.141	5	49.88
351	.006	2.194	3	.0	5254.4	5254.4	1.000	143.6	1576.8	1570.0	93.8	.3	2.9	.0150	.140	.140	0	49.88
351	.006	2.194	3	.0	5254.3	5254.3	1.000	143.6	1576.8	1570.0	93.8	.3	2.9	.0150	.140	.140	1	49.88
351	.006	2.194	3	.0	5254.3	5254.3	1.000	143.6	1576.8	1570.0	93.8	.3	2.9	.0150	.140	.140	2	49.88
351	.006	2.194	3	.0	5254.4	5254.4	1.000	143.6	1576.8	1570.0	93.8	.3	2.9	.0150	.140	.139	3	49.88
351	.006	2.194	3	.0	5254.2	5254.2	1.000	143.6	1576.8	1570.0	93.8	.3	2.9	.0150	.139	.139	4	49.88
351	.006	2.194	3	.0	5254.3	5254.3	1.000	143.6	1576.8	1570.0	93.8	.3	2.9	.0150	.139	.140	5	49.88
352	.006	2.200	3	.0	5240.1	5240.1	1.000	143.9	1576.7	1570.0	94.1	.3	2.9	.0150	.139	.139	0	49.88
352	.006	2.200	3	.0	5240.0	5240.0	1.000	143.9	1576.7	1570.0	94.1	.3	2.9	.0150	.139	.139	1	49.88
352	.006	2.200	3	.0	5240.0	5240.0	1.000	143.9	1576.7	1570.0	94.1	.3	2.9	.0150	.139	.139	2	49.88
352	.006	2.200	3	.0	5240.1	5240.1	1.000	143.9	1576.7	1570.0	94.1	.3	2.9	.0150	.139	.140	3	49.88
[illegible]	.006	2.200	3	.0	5240.1	5240.1	1.000	143.9	1576.7	1570.0	94.1	.3	2.9	.0150	.140	.140	4	49.88
352	.006	2.200	3	.0	5240.1	5240.1	1.000	143.9	1576.7	1570.0	94.1	.3	2.9	.0150	.140	.140	5	49.88
353	.006	2.206	3	.0	5225.7	5225.7	1.000	144.2	1576.7	1570.0	94.4	.3	2.9	.0150	.140	.139	0	49.88
353	.006	2.206	3	.0	5225.7	5225.7	1.000	144.2	1576.7	1570.0	94.4	.3	2.9	.0150	.139	.140	1	49.88
353	.006	2.206	3	.0	5225.7	5225.7	1.000	144.2	1576.7	1570.0	94.4	.3	2.9	.0150	.140	.138	2	49.88
353	.006	2.206	3	.0	5225.6	5225.6	1.000	144.2	1576.7	1570.0	94.4	.3	2.8	.0150	.138	.139	3	49.88
353	.006	2.206	3	.0	5225.6	5225.6	1.000	144.2	1576.7	1570.0	94.4	.3	2.8	.0150	.139	.139	4	49.88
353	.006	2.206	3	.0	5225.6	5225.6	1.000	144.2	1576.7	1570.0	94.4	.3	2.8	.0150	.139	.139	5	49.88
354	.006	2.213	3	.0	5211.0	5211.0	1.000	144.5	1576.7	1570.0	94.6	.3	2.9	.0150	.139	.138	0	49.88
354	.006	2.213	3	.0	5211.0	5211.0	1.000	144.5	1576.7	1570.0	94.6	.3	2.8	.0150	.138	.139	1	49.88
354	.006	2.213	3	.0	5211.0	5211.0	1.000	144.5	1576.7	1570.0	94.6	.3	2.8	.0150	.139	.139	2	49.88
354	.006	2.213	3	.0	5211.0	5211.0	1.000	144.5	1576.7	1570.0	94.6	.3	2.8	.0150	.139	.139	3	49.88
354	.006	2.213	3	.0	5211.0	5211.0	1.000	144.5	1576.7	1570.0	94.6	.3	2.8	.0150	.139	.139	4	49.88
354	.006	2.213	3	.0	5211.0	5211.0	1.000	144.5	1576.7	1570.0	94.6	.3	2.8	.0150	.139	.138	5	49.88
355	.006	2.219	3	.0	5196.4	5196.4	1.000	144.8	1576.7	1570.0	94.9	.3	2.8	.0150	.139	.139	0	49.88
355	.006	2.219	3	.0	5196.3	5196.3	1.000	144.8	1576.7	1570.0	94.9	.3	2.8	.0150	.139	.138	1	49.88
355	.006	2.219	3	.0	5196.2	5196.2	1.000	144.8	1576.7	1570.0	94.9	.3	2.8	.0150	.138	.138	2	49.88
355	.006	2.219	3	.0	5196.3	5196.3	1.000	144.8	1576.7	1570.0	94.9	.3	2.8	.0150	.138	.138	3	49.88
355	.006	2.219	3	.0	5196.3	5196.3	1.000	144.8	1576.7	1570.0	94.9	.3	2.8	.0150	.138	.138	4	49.88
355	.006	2.219	3	.0	5196.3	5196.3	1.000	144.8	1576.7	1570.0	94.9	.3	2.8	.0150	.138	.139	5	49.88
356	.006	2.225	3	.0	5181.2	5181.2	1.000	145.0	1576.6	1570.0	95.2	.3	2.8	.0150	.138	.138	0	49.88
356	.006	2.225	3	.0	5181.3	5181.3	1.000	145.0	1576.6	1570.0	95.2	.3	2.8	.0150	.138	.138	1	49.88
356	.006	2.225	3	.0	5181.3	5181.3	1.000	145.0	1576.6	1570.0	95.2	.3	2.8	.0150	.138	.138	2	49.88
356	.006	2.225	3	.0	5181.3	5181.3	1.000	145.0	1576.6	1570.0	95.2	.3	2.8	.0150	.138	.138	3	49.88
356	.006	2.225	3	.0	5181.3	5181.3	1.000	145.0	1576.6	1570.0	95.2	.3	2.8	.0150	.138	.137	4	49.88
356	.006	2.225	3	.0	5181.2	5181.2	1.000	145.0	1576.6	1570.0	95.2	.3	2.8	.0150	.137	.138	5	49.88
[illegible]	.006	2.231	3	.0	5165.9	5165.9	1.000	145.3	1576.6	1570.0	95.5	.3	2.8	.0150	.137	.137	0	49.88
[illegible]	.006	2.231	3	.0	5165.8	5165.8	1.000	145.3	1576.6	1570.0	95.5	.3	2.8	.0150	.137	.137	1	49.88
357	.006	2.231	3	.0	5165.9	5165.9	1.000	145.3	1576.6	1570.0	95.5	.3	2.8	.0150	.137	.137	2	49.88
357	.006	2.231	3	.0	5165.9	5165.9	1.000	145.3	1576.6	1570.0	95.5	.3	2.8	.0150	.137	.137	3	49.88
357	.006	2.231	3	.0	5165.9	5165.9	1.000	145.3	1576.6	1570.0	95.5	.3	2.8	.0150	.137	.138	4	49.88

357	.006	2.231	3	.0	5165.9	5165.9	1.000	145.3	1576.6	1570.0	95.5	.3	2.8	.0150	.138	.138	5 49.88
358	.006	2.238	3	.0	5150.4	5150.4	1.000	145.6	1576.6	1570.0	95.7	.3	2.8	.0150	.138	.137	0 49.88
358	.006	2.238	3	.0	5150.3	5150.3	1.000	145.6	1576.6	1570.0	95.7	.3	2.8	.0150	.137	.137	1 49.88
358	.006	2.238	3	.0	5150.4	5150.4	1.000	145.6	1576.6	1570.0	95.7	.3	2.8	.0150	.137	.136	2 49.88
[illegible]	.006	2.238	3	.0	5150.3	5150.3	1.000	145.6	1576.6	1570.0	95.7	.3	2.8	.0150	.136	.137	3 49.88
[illegible]	.006	2.238	3	.0	5150.3	5150.3	1.000	145.6	1576.6	1570.0	95.7	.3	2.8	.0150	.137	.137	4 49.88
358	.006	2.238	3	.0	5150.3	5150.3	1.000	145.6	1576.6	1570.0	95.7	.3	2.8	.0150	.137	.137	5 49.88
359	.006	2.244	3	.0	5134.6	5134.6	1.000	145.8	1576.6	1570.0	96.0	.3	2.8	.0150	.137	.136	0 49.88
359	.006	2.244	3	.0	5134.7	5134.7	1.000	145.8	1576.6	1570.0	96.0	.3	2.8	.0150	.136	.136	1 49.88
359	.006	2.244	3	.0	5134.7	5134.7	1.000	145.8	1576.6	1570.0	96.0	.3	2.8	.0150	.136	.137	2 49.88
359	.006	2.244	3	.0	5134.7	5134.7	1.000	145.8	1576.6	1570.0	96.0	.3	2.8	.0150	.137	.137	3 49.88
359	.006	2.244	3	.0	5134.7	5134.7	1.000	145.8	1576.6	1570.0	96.0	.3	2.8	.0150	.137	.137	4 49.88
359	.006	2.244	3	.0	5134.8	5134.8	1.000	145.9	1576.6	1570.0	96.0	.3	2.8	.0150	.137	.136	5 49.88
360	.006	2.250	3	.0	5118.9	5118.9	1.000	146.1	1576.5	1570.0	96.3	.3	2.8	.0150	.137	.137	0 49.88
360	.006	2.250	3	.0	5118.8	5118.8	1.000	146.1	1576.5	1570.0	96.3	.3	2.8	.0150	.137	.135	1 49.88
360	.006	2.250	3	.0	5118.7	5118.7	1.000	146.1	1576.5	1570.0	96.3	.3	2.8	.0150	.135	.136	2 49.88
360	.006	2.250	3	.0	5118.7	5118.7	1.000	146.1	1576.5	1570.0	96.3	.3	2.8	.0150	.136	.136	3 49.88
360	.006	2.250	3	.0	5118.7	5118.7	1.000	146.1	1576.5	1570.0	96.3	.3	2.8	.0150	.136	.136	4 49.88
360	.006	2.250	3	.0	5118.8	5118.8	1.000	146.1	1576.5	1570.0	96.3	.3	2.8	.0150	.136	.136	5 49.88
361	.006	2.256	3	.0	5102.7	5102.7	1.000	146.4	1576.5	1570.0	96.6	.3	2.8	.0150	.136	.136	0 49.88
361	.006	2.256	3	.0	5102.6	5102.6	1.000	146.4	1576.5	1570.0	96.6	.3	2.8	.0150	.136	.136	1 49.88
361	.006	2.256	3	.0	5102.6	5102.6	1.000	146.4	1576.5	1570.0	96.6	.3	2.8	.0150	.136	.136	2 49.88
361	.006	2.256	3	.0	5102.7	5102.7	1.000	146.4	1576.5	1570.0	96.6	.3	2.8	.0150	.136	.136	3 49.88
361	.006	2.256	3	.0	5102.7	5102.7	1.000	146.4	1576.5	1570.0	96.6	.3	2.8	.0150	.136	.135	4 49.88
361	.006	2.256	3	.0	5102.6	5102.6	1.000	146.4	1576.5	1570.0	96.6	.3	2.8	.0150	.135	.135	5 49.88
362	.006	2.263	3	.0	5086.1	5086.1	1.000	146.7	1576.5	1570.0	96.8	.3	2.8	.0150	.135	.135	0 49.88
362	.006	2.263	3	.0	5086.1	5086.1	1.000	146.7	1576.5	1570.0	96.8	.3	2.8	.0150	.135	.135	1 49.88
362	.006	2.263	3	.0	5086.1	5086.1	1.000	146.7	1576.5	1570.0	96.8	.3	2.8	.0150	.135	.135	2 49.88
362	.006	2.263	3	.0	5086.1	5086.1	1.000	146.7	1576.5	1570.0	96.8	.3	2.8	.0150	.135	.135	3 49.88
362	.006	2.263	3	.0	5086.1	5086.1	1.000	146.7	1576.5	1570.0	96.8	.3	2.8	.0150	.135	.136	4 49.88
[illegible]	.006	2.263	3	.0	5086.2	5086.2	1.000	146.7	1576.5	1570.0	96.8	.3	2.8	.0150	.136	.136	5 49.88
[illegible]	.006	2.269	3	.0	5069.5	5069.5	1.000	146.9	1576.5	1570.0	97.1	.3	2.8	.0150	.136	.135	0 49.88
363	.006	2.269	3	.0	5069.6	5069.6	1.000	146.9	1576.5	1570.0	97.1	.3	2.8	.0150	.135	.135	1 49.88
363	.006	2.269	3	.0	5069.7	5069.7	1.000	146.9	1576.5	1570.0	97.1	.3	2.8	.0150	.135	.134	2 49.88
363	.006	2.269	3	.0	5069.5	5069.5	1.000	146.9	1576.5	1570.0	97.1	.3	2.7	.0150	.134	.134	3 49.88
363	.006	2.269	3	.0	5069.6	5069.6	1.000	146.9	1576.5	1570.0	97.1	.3	2.7	.0150	.134	.135	4 49.88
363	.006	2.269	3	.0	5069.6	5069.6	1.000	146.9	1576.5	1570.0	97.1	.3	2.8	.0150	.135	.135	5 49.88
364	.006	2.275	3	.0	5052.6	5052.6	1.000	147.2	1576.4	1570.0	97.4	.3	2.8	.0150	.135	.134	0 49.88
364	.006	2.275	3	.0	5052.7	5052.7	1.000	147.2	1576.4	1570.0	97.4	.3	2.7	.0150	.134	.134	1 49.88
364	.006	2.275	3	.0	5052.8	5052.8	1.000	147.2	1576.4	1570.0	97.4	.3	2.7	.0150	.134	.135	2 49.88
364	.006	2.275	3	.0	5052.8	5052.8	1.000	147.2	1576.4	1570.0	97.4	.3	2.7	.0150	.135	.135	3 49.88
364	.006	2.275	3	.0	5052.8	5052.8	1.000	147.2	1576.4	1570.0	97.4	.3	2.7	.0150	.135	.134	4 49.88
364	.006	2.275	3	.0	5052.7	5052.7	1.000	147.2	1576.4	1570.0	97.4	.3	2.7	.0150	.134	.134	5 49.88
365	.006	2.281	3	.0	5035.6	5035.6	1.000	147.5	1576.4	1570.0	97.6	.3	2.7	.0150	.134	.134	0 49.88
365	.006	2.281	3	.0	5035.6	5035.6	1.000	147.5	1576.4	1570.0	97.6	.3	2.7	.0150	.134	.133	1 49.88
365	.006	2.281	3	.0	5035.5	5035.5	1.000	147.5	1576.4	1570.0	97.6	.3	2.7	.0150	.133	.134	2 49.88
365	.006	2.281	3	.0	5035.5	5035.5	1.000	147.5	1576.4	1570.0	97.6	.3	2.7	.0150	.134	.134	3 49.88
365	.006	2.281	3	.0	5035.6	5035.6	1.000	147.5	1576.4	1570.0	97.6	.3	2.7	.0150	.134	.134	4 49.88
365	.006	2.281	3	.0	5035.6	5035.6	1.000	147.5	1576.4	1570.0	97.6	.3	2.7	.0150	.134	.134	5 49.88
366	.006	2.288	3	.0	5018.4	5018.4	1.000	147.7	1576.4	1570.0	97.9	.3	2.7	.0150	.134	.133	0 49.88
366	.006	2.288	3	.0	5018.4	5018.4	1.000	147.7	1576.4	1570.0	97.9	.3	2.7	.0150	.133	.134	1 49.88
366	.006	2.288	3	.0	5018.4	5018.4	1.000	147.7	1576.4	1570.0	97.9	.3	2.7	.0150	.134	.134	2 49.88
366	.006	2.288	3	.0	5018.4	5018.4	1.000	147.7	1576.4	1570.0	97.9	.3	2.7	.0150	.134	.133	3 49.88
366	.006	2.288	3	.0	5018.3	5018.3	1.000	147.7	1576.4	1570.0	97.9	.3	2.7	.0150	.133	.133	4 49.88
366	.006	2.288	3	.0	5018.3	5018.3	1.000	147.7	1576.4	1570.0	97.9	.3	2.7	.0150	.133	.133	5 49.88
367	.006	2.294	3	.0	5000.8	5000.8	1.000	148.0	1576.4	1570.0	98.2	.3	2.7	.0150	.133	.132	0 49.88
[illegible]	.006	2.294	3	.0	5000.8	5000.8	1.000	148.0	1576.4	1570.0	98.2	.3	2.7	.0150	.132	.133	1 49.88
[illegible]	.006	2.294	3	.0	5000.8	5000.8	1.000	148.0	1576.4	1570.0	98.2	.3	2.7	.0150	.133	.133	2 49.88
367	.006	2.294	3	.0	5000.8	5000.8	1.000	148.0	1576.4	1570.0	98.2	.3	2.7	.0150	.133	.133	3 49.88
367	.006	2.294	3	.0	5000.8	5000.8	1.000	148.0	1576.4	1570.0	98.2	.3	2.7	.0150	.133	.133	4 49.88

367	.006	2.294	3	.0	5000.8	5000.8	1.000	148.0	1576.4	1570.0	98.2	.3	2.7	.0150	.133	.132	5 49.88
368	.006	2.300	3	.0	4983.1	4983.1	1.000	148.3	1576.3	1570.0	98.4	.3	2.7	.0150	.133	.133	0 49.88
368	.006	2.300	3	.0	4983.2	4983.2	1.000	148.3	1576.3	1570.0	98.4	.3	2.7	.0150	.133	.132	1 49.88
[illegible]	.006	2.300	3	.0	4983.1	4983.1	1.000	148.3	1576.3	1570.0	98.4	.3	2.7	.0150	.132	.132	2 49.88
[illegible]	.006	2.300	3	.0	4983.2	4983.2	1.000	148.3	1576.3	1570.0	98.4	.3	2.7	.0150	.132	.132	3 49.88
368	.006	2.300	3	.0	4983.2	4983.2	1.000	148.3	1576.3	1570.0	98.4	.3	2.7	.0150	.132	.132	4 49.88
368	.006	2.300	3	.0	4983.2	4983.2	1.000	148.3	1576.3	1570.0	98.4	.3	2.7	.0150	.132	.133	5 49.88
369	.006	2.306	3	.0	4965.2	4965.2	1.000	148.5	1576.3	1570.0	98.7	.3	2.7	.0150	.132	.132	0 49.88
369	.006	2.306	3	.0	4965.1	4965.1	1.000	148.5	1576.3	1570.0	98.7	.3	2.7	.0150	.132	.132	1 49.88
369	.006	2.306	3	.0	4965.1	4965.1	1.000	148.5	1576.3	1570.0	98.7	.3	2.7	.0150	.132	.132	2 49.88
369	.006	2.306	3	.0	4965.2	4965.2	1.000	148.5	1576.3	1570.0	98.7	.3	2.7	.0150	.132	.133	3 49.88
369	.006	2.306	3	.0	4965.2	4965.2	1.000	148.5	1576.3	1570.0	98.7	.3	2.7	.0150	.133	.131	4 49.88
369	.006	2.306	3	.0	4965.1	4965.1	1.000	148.5	1576.3	1570.0	98.7	.3	2.7	.0150	.131	.132	5 49.88
370	.006	2.313	3	.0	4947.0	4947.0	1.000	148.8	1576.3	1570.0	99.0	.3	2.7	.0150	.131	.131	0 49.88
370	.006	2.313	3	.0	4947.0	4947.0	1.000	148.8	1576.3	1570.0	99.0	.3	2.7	.0150	.131	.131	1 49.88
370	.006	2.313	3	.0	4947.0	4947.0	1.000	148.8	1576.3	1570.0	99.0	.3	2.7	.0150	.131	.131	2 49.88
370	.006	2.313	3	.0	4947.0	4947.0	1.000	148.8	1576.3	1570.0	99.0	.3	2.7	.0150	.131	.132	3 49.88
370	.006	2.313	3	.0	4947.0	4947.0	1.000	148.8	1576.3	1570.0	99.0	.3	2.7	.0150	.132	.132	4 49.88
370	.006	2.313	3	.0	4947.1	4947.1	1.000	148.8	1576.3	1570.0	99.0	.3	2.7	.0150	.132	.132	5 49.88
371	.006	2.319	3	.0	4928.7	4928.7	1.000	149.1	1576.3	1570.0	99.2	.3	2.7	.0150	.132	.131	0 49.88
371	.006	2.319	3	.0	4928.6	4928.6	1.000	149.1	1576.3	1570.0	99.2	.3	2.7	.0150	.131	.131	1 49.88
371	.006	2.319	3	.0	4928.7	4928.7	1.000	149.1	1576.3	1570.0	99.2	.3	2.7	.0150	.131	.130	2 49.88
371	.006	2.319	3	.0	4928.5	4928.5	1.000	149.1	1576.3	1570.0	99.2	.3	2.7	.0150	.130	.131	3 49.88
371	.006	2.319	3	.0	4928.6	4928.6	1.000	149.1	1576.3	1570.0	99.2	.3	2.7	.0150	.131	.131	4 49.88
371	.006	2.319	3	.0	4928.6	4928.6	1.000	149.1	1576.3	1570.0	99.2	.3	2.7	.0150	.131	.131	5 49.88
372	.006	2.325	3	.0	4910.0	4910.0	1.000	149.3	1576.2	1570.0	99.5	.3	2.7	.0150	.131	.130	0 49.88
372	.006	2.325	3	.0	4910.1	4910.1	1.000	149.3	1576.2	1570.0	99.5	.3	2.7	.0150	.130	.131	1 49.88
372	.006	2.325	3	.0	4910.2	4910.2	1.000	149.3	1576.2	1570.0	99.5	.3	2.7	.0150	.131	.131	2 49.88
372	.006	2.325	3	.0	4910.2	4910.2	1.000	149.3	1576.2	1570.0	99.5	.3	2.7	.0150	.131	.131	3 49.88
[illegible]	.006	2.325	3	.0	4910.2	4910.2	1.000	149.3	1576.2	1570.0	99.5	.3	2.7	.0150	.131	.130	4 49.88
[illegible]	.006	2.325	3	.0	4910.1	4910.1	1.000	149.3	1576.2	1570.0	99.5	.3	2.7	.0150	.130	.130	5 49.88
373	.006	2.331	3	.0	4891.2	4891.2	1.000	149.6	1576.2	1570.0	99.7	.3	2.7	.0150	.130	.129	0 49.88
373	.006	2.331	3	.0	4891.2	4891.2	1.000	149.6	1576.2	1570.0	99.7	.3	2.6	.0150	.129	.130	1 49.88
373	.006	2.331	3	.0	4891.2	4891.2	1.000	149.6	1576.2	1570.0	99.7	.3	2.6	.0150	.130	.130	2 49.88
373	.006	2.331	3	.0	4891.2	4891.2	1.000	149.6	1576.2	1570.0	99.7	.3	2.7	.0150	.130	.130	3 49.88
373	.006	2.331	3	.0	4891.2	4891.2	1.000	149.6	1576.2	1570.0	99.7	.3	2.7	.0150	.130	.130	4 49.88
373	.006	2.331	3	.0	4891.3	4891.3	1.000	149.6	1576.2	1570.0	99.7	.3	2.7	.0150	.130	.130	5 49.88
374	.006	2.338	3	.0	4872.3	4872.3	1.000	149.8	1576.2	1570.0	100.0	.3	2.7	.0150	.130	.130	0 49.88
374	.006	2.338	3	.0	4872.3	4872.3	1.000	149.8	1576.2	1570.0	100.0	.3	2.6	.0150	.130	.130	1 49.88
374	.006	2.338	3	.0	4872.3	4872.3	1.000	149.8	1576.2	1570.0	100.0	.3	2.6	.0150	.130	.129	2 49.88
374	.006	2.338	3	.0	4872.2	4872.2	1.000	149.8	1576.2	1570.0	100.0	.3	2.6	.0150	.129	.129	3 49.88
374	.006	2.338	3	.0	4872.2	4872.2	1.000	149.8	1576.2	1570.0	100.0	.3	2.6	.0150	.129	.129	4 49.88
374	.006	2.338	3	.0	4872.3	4872.3	1.000	149.8	1576.2	1570.0	100.0	.3	2.6	.0150	.129	.129	5 49.88
375	.006	2.344	3	.0	4853.0	4853.0	1.000	150.1	1576.2	1570.0	100.3	.3	2.6	.0150	.129	.129	0 49.88
375	.006	2.344	3	.0	4853.0	4853.0	1.000	150.1	1576.2	1570.0	100.3	.3	2.6	.0150	.129	.129	1 49.88
375	.006	2.344	3	.0	4853.0	4853.0	1.000	150.1	1576.2	1570.0	100.3	.3	2.6	.0150	.129	.129	2 49.88
375	.006	2.344	3	.0	4853.0	4853.0	1.000	150.1	1576.2	1570.0	100.3	.3	2.6	.0150	.129	.129	3 49.88
375	.006	2.344	3	.0	4853.0	4853.0	1.000	150.1	1576.2	1570.0	100.3	.3	2.6	.0150	.129	.128	4 49.88
375	.006	2.344	3	.0	4852.9	4852.9	1.000	150.1	1576.2	1570.0	100.3	.3	2.6	.0150	.128	.129	5 49.88
376	.006	2.350	3	.0	4833.4	4833.4	1.000	150.3	1576.1	1570.0	100.5	.3	2.6	.0150	.128	.128	0 49.88
376	.006	2.350	3	.0	4833.4	4833.4	1.000	150.3	1576.1	1570.0	100.5	.3	2.6	.0150	.128	.128	1 49.88
376	.006	2.350	3	.0	4833.4	4833.4	1.000	150.3	1576.1	1570.0	100.5	.3	2.6	.0150	.128	.128	2 49.88
376	.006	2.350	3	.0	4833.4	4833.4	1.000	150.3	1576.1	1570.0	100.5	.3	2.6	.0150	.128	.128	3 49.88
376	.006	2.350	3	.0	4833.4	4833.4	1.000	150.3	1576.1	1570.0	100.5	.3	2.6	.0150	.128	.129	4 49.88
376	.006	2.350	3	.0	4833.4	4833.4	1.000	150.3	1576.1	1570.0	100.5	.3	2.6	.0150	.129	.129	5 49.88
[illegible]	.006	2.356	3	.0	4813.9	4813.9	1.000	150.6	1576.1	1570.0	100.8	.3	2.6	.0150	.129	.128	0 49.88
[illegible]	.006	2.356	3	.0	4813.8	4813.8	1.000	150.6	1576.1	1570.0	100.8	.3	2.6	.0150	.128	.128	1 49.88
377	.006	2.356	3	.0	4813.8	4813.8	1.000	150.6	1576.1	1570.0	100.8	.3	2.6	.0150	.128	.127	2 49.88
377	.006	2.356	3	.0	4813.8	4813.8	1.000	150.6	1576.1	1570.0	100.8	.3	2.6	.0150	.127	.127	3 49.88
377	.006	2.356	3	.0	4813.8	4813.8	1.000	150.6	1576.1	1570.0	100.8	.3	2.6	.0150	.127	.128	4 49.88

377	.006	2.356	3	.0	4813.8	4813.8	1.000	150.6	1576.1	1570.0	100.8	.3	2.6	.0150	.128	.128	5 49.88
378	.006	2.362	3	.0	4793.9	4793.9	1.000	150.9	1576.1	1570.0	101.0	.3	2.6	.0150	.128	.127	0 49.88
378	.006	2.362	3	.0	4794.0	4794.0	1.000	150.9	1576.1	1570.0	101.0	.3	2.6	.0150	.127	.127	1 49.88
[illegible]	.006	2.362	3	.0	4794.0	4794.0	1.000	150.9	1576.1	1570.0	101.0	.3	2.6	.0150	.127	.128	2 49.88
378	.006	2.362	3	.0	4794.1	4794.1	1.000	150.9	1576.1	1570.0	101.0	.3	2.6	.0150	.128	.128	3 49.88
378	.006	2.362	3	.0	4794.1	4794.1	1.000	150.9	1576.1	1570.0	101.0	.3	2.6	.0150	.128	.127	4 49.88
378	.006	2.362	3	.0	4794.0	4794.0	1.000	150.9	1576.1	1570.0	101.0	.3	2.6	.0150	.127	.127	5 49.88
379	.006	2.369	3	.0	4773.8	4773.8	1.000	151.1	1576.1	1570.0	101.3	.3	2.6	.0150	.127	.126	0 49.88
379	.006	2.369	3	.0	4773.8	4773.8	1.000	151.1	1576.1	1570.0	101.3	.3	2.6	.0150	.126	.126	1 49.88
379	.006	2.369	3	.0	4773.8	4773.8	1.000	151.1	1576.1	1570.0	101.3	.3	2.6	.0150	.126	.127	2 49.88
379	.006	2.369	3	.0	4773.8	4773.8	1.000	151.1	1576.1	1570.0	101.3	.3	2.6	.0150	.127	.127	3 49.88
379	.006	2.369	3	.0	4773.8	4773.8	1.000	151.1	1576.1	1570.0	101.3	.3	2.6	.0150	.127	.127	4 49.88
379	.006	2.369	3	.0	4773.8	4773.8	1.000	151.1	1576.1	1570.0	101.3	.3	2.6	.0150	.127	.127	5 49.88
380	.006	2.375	3	.0	4753.6	4753.6	1.000	151.4	1576.0	1570.0	101.5	.3	2.6	.0150	.127	.127	0 49.88
380	.006	2.375	3	.0	4753.6	4753.6	1.000	151.4	1576.0	1570.0	101.5	.3	2.6	.0150	.127	.127	1 49.88
380	.006	2.375	3	.0	4753.6	4753.6	1.000	151.4	1576.0	1570.0	101.5	.3	2.6	.0150	.127	.126	2 49.88
380	.006	2.375	3	.0	4753.5	4753.5	1.000	151.4	1576.0	1570.0	101.5	.3	2.6	.0150	.126	.126	3 49.88
380	.006	2.375	3	.0	4753.5	4753.5	1.000	151.4	1576.0	1570.0	101.5	.3	2.6	.0150	.126	.126	4 49.88
380	.006	2.375	3	.0	4753.5	4753.5	1.000	151.4	1576.0	1570.0	101.5	.3	2.6	.0150	.126	.126	5 49.88
381	.006	2.381	3	.0	4733.0	4733.0	1.000	151.6	1576.0	1570.0	101.8	.3	2.6	.0150	.126	.126	0 49.88
381	.006	2.381	3	.0	4733.0	4733.0	1.000	151.6	1576.0	1570.0	101.8	.3	2.6	.0150	.126	.126	1 49.88
381	.006	2.381	3	.0	4733.0	4733.0	1.000	151.6	1576.0	1570.0	101.8	.3	2.6	.0150	.126	.126	2 49.88
381	.006	2.381	3	.0	4733.0	4733.0	1.000	151.6	1576.0	1570.0	101.8	.3	2.6	.0150	.126	.125	3 49.88
381	.006	2.381	3	.0	4732.9	4732.9	1.000	151.6	1576.0	1570.0	101.8	.2	2.6	.0150	.125	.125	4 49.88
381	.006	2.381	3	.0	4732.9	4732.9	1.000	151.6	1576.0	1570.0	101.8	.3	2.6	.0150	.125	.125	5 49.88
382	.006	2.387	3	.0	4712.3	4712.3	1.000	151.9	1576.0	1570.0	102.0	.3	2.6	.0150	.125	.125	0 49.88
382	.006	2.387	3	.0	4712.2	4712.2	1.000	151.9	1576.0	1570.0	102.0	.2	2.6	.0150	.125	.125	1 49.88
382	.006	2.387	3	.0	4712.2	4712.2	1.000	151.9	1576.0	1570.0	102.0	.2	2.6	.0150	.125	.125	2 49.88
382	.006	2.387	3	.0	4712.3	4712.3	1.000	151.9	1576.0	1570.0	102.0	.3	2.6	.0150	.125	.125	3 49.88
[illegible]	.006	2.387	3	.0	4712.3	4712.3	1.000	151.9	1576.0	1570.0	102.0	.3	2.6	.0150	.125	.125	4 49.88
382	.006	2.387	3	.0	4712.3	4712.3	1.000	151.9	1576.0	1570.0	102.0	.3	2.6	.0150	.125	.124	5 49.88
383	.006	2.394	3	.0	4691.4	4691.4	1.000	152.1	1576.0	1570.0	102.3	.3	2.6	.0150	.125	.125	0 49.88
383	.006	2.394	3	.0	4691.4	4691.4	1.000	152.1	1576.0	1570.0	102.3	.2	2.6	.0150	.125	.124	1 49.88
383	.006	2.394	3	.0	4691.3	4691.3	1.000	152.1	1576.0	1570.0	102.3	.2	2.5	.0150	.124	.124	2 49.88
383	.006	2.394	3	.0	4691.3	4691.3	1.000	152.1	1576.0	1570.0	102.3	.2	2.5	.0150	.124	.124	3 49.88
383	.006	2.394	3	.0	4691.3	4691.3	1.000	152.1	1576.0	1570.0	102.3	.2	2.5	.0150	.124	.125	4 49.88
383	.006	2.394	3	.0	4691.4	4691.4	1.000	152.1	1576.0	1570.0	102.3	.2	2.5	.0150	.125	.125	5 49.88
384	.006	2.400	3	.0	4670.2	4670.2	1.000	152.4	1575.9	1570.0	102.5	.2	2.6	.0150	.125	.124	0 49.88
384	.006	2.400	3	.0	4670.2	4670.2	1.000	152.4	1575.9	1570.0	102.5	.2	2.5	.0150	.124	.124	1 49.88
384	.006	2.400	3	.0	4670.2	4670.2	1.000	152.4	1575.9	1570.0	102.5	.2	2.5	.0150	.124	.124	2 49.88
384	.006	2.400	3	.0	4670.2	4670.2	1.000	152.4	1575.9	1570.0	102.5	.2	2.5	.0150	.124	.123	3 49.88
384	.006	2.400	3	.0	4670.1	4670.1	1.000	152.4	1575.9	1570.0	102.5	.2	2.5	.0150	.123	.124	4 49.88
384	.006	2.400	3	.0	4670.1	4670.1	1.000	152.4	1575.9	1570.0	102.5	.2	2.5	.0150	.124	.124	5 49.88
385	.006	2.406	3	.0	4648.8	4648.8	1.000	152.6	1575.9	1570.0	102.8	.2	2.5	.0150	.124	.123	0 49.88
385	.006	2.406	3	.0	4648.8	4648.8	1.000	152.6	1575.9	1570.0	102.8	.2	2.5	.0150	.123	.123	1 49.88
385	.006	2.406	3	.0	4648.8	4648.8	1.000	152.6	1575.9	1570.0	102.8	.2	2.5	.0150	.123	.123	2 49.88
385	.006	2.406	3	.0	4648.8	4648.8	1.000	152.6	1575.9	1570.0	102.8	.2	2.5	.0150	.123	.124	3 49.88
385	.006	2.406	3	.0	4648.9	4648.9	1.000	152.6	1575.9	1570.0	102.8	.2	2.5	.0150	.124	.124	4 49.88
385	.006	2.406	3	.0	4648.9	4648.9	1.000	152.6	1575.9	1570.0	102.8	.2	2.5	.0150	.124	.123	5 49.88
386	.006	2.412	3	.0	4627.6	4627.6	1.000	152.9	1575.9	1570.0	103.0	.2	2.5	.0150	.124	.122	0 49.88
386	.006	2.412	3	.0	4627.4	4627.4	1.000	152.9	1575.9	1570.0	103.0	.2	2.5	.0150	.122	.122	1 49.88
386	.006	2.412	3	.0	4627.4	4627.4	1.000	152.9	1575.9	1570.0	103.0	.2	2.5	.0150	.122	.123	2 49.88
386	.006	2.412	3	.0	4627.4	4627.4	1.000	152.9	1575.9	1570.0	103.0	.2	2.5	.0150	.123	.123	3 49.88
386	.006	2.412	3	.0	4627.5	4627.5	1.000	152.9	1575.9	1570.0	103.0	.2	2.5	.0150	.123	.123	4 49.88
386	.006	2.412	3	.0	4627.5	4627.5	1.000	152.9	1575.9	1570.0	103.0	.2	2.5	.0150	.123	.123	5 49.88
[illegible]	.006	2.419	3	.0	4605.9	4605.9	1.000	153.1	1575.9	1570.0	103.3	.2	2.5	.0150	.123	.122	0 49.88
387	.006	2.419	3	.0	4605.8	4605.8	1.000	153.1	1575.9	1570.0	103.3	.2	2.5	.0150	.122	.123	1 49.88
387	.006	2.419	3	.0	4605.8	4605.8	1.000	153.1	1575.9	1570.0	103.3	.2	2.5	.0150	.123	.122	2 49.88
387	.006	2.419	3	.0	4605.8	4605.8	1.000	153.1	1575.9	1570.0	103.3	.2	2.5	.0150	.122	.122	3 49.88
387	.006	2.419	3	.0	4605.8	4605.8	1.000	153.1	1575.9	1570.0	103.3	.2	2.5	.0150	.122	.122	4 49.88

387	.006	2.419	3	.0	4605.8	4605.8	1.000	153.1	1575.9	1570.0	103.3	.2	2.5	.0150	.122	.122	5 49.88
388	.006	2.425	3	.0	4583.9	4583.9	1.000	153.3	1575.8	1570.0	103.5	.2	2.5	.0150	.122	.121	0 49.88
388	.006	2.425	3	.0	4583.9	4583.9	1.000	153.3	1575.8	1570.0	103.5	.2	2.5	.0150	.121	.122	1 49.88
[illegible]	.006	2.425	3	.0	4583.9	4583.9	1.000	153.3	1575.8	1570.0	103.5	.2	2.5	.0150	.122	.122	2 49.88
388	.006	2.425	3	.0	4583.9	4583.9	1.000	153.3	1575.8	1570.0	103.5	.2	2.5	.0150	.122	.122	3 49.88
388	.006	2.425	3	.0	4583.9	4583.9	1.000	153.3	1575.8	1570.0	103.5	.2	2.5	.0150	.122	.121	4 49.88
388	.006	2.425	3	.0	4583.8	4583.8	1.000	153.3	1575.8	1570.0	103.5	.2	2.5	.0150	.121	.121	5 49.88
389	.006	2.431	3	.0	4561.8	4561.8	1.000	153.6	1575.8	1570.0	103.7	.2	2.5	.0150	.121	.121	0 49.88
389	.006	2.431	3	.0	4561.7	4561.7	1.000	153.6	1575.8	1570.0	103.7	.2	2.5	.0150	.121	.121	1 49.88
389	.006	2.431	3	.0	4561.8	4561.8	1.000	153.6	1575.8	1570.0	103.7	.2	2.5	.0150	.121	.121	2 49.88
389	.006	2.431	3	.0	4561.8	4561.8	1.000	153.6	1575.8	1570.0	103.7	.2	2.5	.0150	.121	.121	3 49.88
389	.006	2.431	3	.0	4561.8	4561.8	1.000	153.6	1575.8	1570.0	103.7	.2	2.5	.0150	.121	.121	4 49.88
389	.006	2.431	3	.0	4561.8	4561.8	1.000	153.6	1575.8	1570.0	103.7	.2	2.5	.0150	.121	.120	5 49.88
390	.006	2.437	3	.0	4539.6	4539.6	1.000	153.8	1575.8	1570.0	104.0	.2	2.5	.0150	.121	.121	0 49.88
390	.006	2.437	3	.0	4539.6	4539.6	1.000	153.8	1575.8	1570.0	104.0	.2	2.5	.0150	.121	.120	1 49.88
390	.006	2.437	3	.0	4539.5	4539.5	1.000	153.8	1575.8	1570.0	104.0	.2	2.5	.0150	.120	.120	2 49.88
390	.006	2.437	3	.0	4539.5	4539.5	1.000	153.8	1575.8	1570.0	104.0	.2	2.5	.0150	.120	.120	3 49.88
390	.006	2.437	3	.0	4539.5	4539.5	1.000	153.8	1575.8	1570.0	104.0	.2	2.5	.0150	.120	.120	4 49.88
390	.006	2.437	3	.0	4539.5	4539.5	1.000	153.8	1575.8	1570.0	104.0	.2	2.5	.0150	.120	.121	5 49.88
391	.006	2.444	3	.0	4517.2	4517.2	1.000	154.1	1575.7	1570.0	104.2	.2	2.5	.0150	.120	.120	0 49.88
391	.006	2.444	3	.0	4517.2	4517.2	1.000	154.1	1575.7	1570.0	104.2	.2	2.5	.0150	.120	.120	1 49.88
391	.006	2.444	3	.0	4517.2	4517.2	1.000	154.1	1575.7	1570.0	104.2	.2	2.5	.0150	.120	.119	2 49.88
391	.006	2.444	3	.0	4517.1	4517.1	1.000	154.1	1575.7	1570.0	104.2	.2	2.5	.0150	.119	.119	3 49.88
391	.006	2.444	3	.0	4517.1	4517.1	1.000	154.1	1575.7	1570.0	104.2	.2	2.5	.0150	.119	.120	4 49.88
391	.006	2.444	3	.0	4517.1	4517.1	1.000	154.1	1575.7	1570.0	104.2	.2	2.5	.0150	.120	.120	5 49.88
392	.006	2.450	3	.0	4494.5	4494.5	1.000	154.3	1575.7	1570.0	104.5	.2	2.5	.0150	.120	.119	0 49.88
392	.006	2.450	3	.0	4494.5	4494.5	1.000	154.3	1575.7	1570.0	104.5	.2	2.4	.0150	.119	.119	1 49.88
392	.006	2.450	3	.0	4494.5	4494.5	1.000	154.3	1575.7	1570.0	104.5	.2	2.5	.0150	.119	.119	2 49.88
392	.006	2.450	3	.0	4494.5	4494.5	1.000	154.3	1575.7	1570.0	104.5	.2	2.5	.0150	.119	.120	3 49.88
[illegible]	.006	2.450	3	.0	4494.5	4494.5	1.000	154.3	1575.7	1570.0	104.5	.2	2.5	.0150	.120	.119	4 49.88
392	.006	2.450	3	.0	4494.4	4494.4	1.000	154.3	1575.7	1570.0	104.5	.2	2.4	.0150	.119	.119	5 49.88
393	.006	2.456	3	.0	4471.7	4471.7	1.000	154.5	1575.7	1570.0	104.7	.2	2.4	.0150	.119	.118	0 49.88
393	.006	2.456	3	.0	4471.7	4471.7	1.000	154.5	1575.7	1570.0	104.7	.2	2.4	.0150	.118	.118	1 49.88
393	.006	2.456	3	.0	4471.7	4471.7	1.000	154.5	1575.7	1570.0	104.7	.2	2.4	.0150	.118	.118	2 49.88
393	.006	2.456	3	.0	4471.7	4471.7	1.000	154.5	1575.7	1570.0	104.7	.2	2.4	.0150	.118	.119	3 49.88
393	.006	2.456	3	.0	4471.7	4471.7	1.000	154.5	1575.7	1570.0	104.7	.2	2.4	.0150	.119	.119	4 49.88
393	.006	2.456	3	.0	4471.7	4471.7	1.000	154.5	1575.7	1570.0	104.7	.2	2.4	.0150	.119	.118	5 49.88
394	.006	2.462	3	.0	4448.8	4448.8	1.000	154.8	1575.7	1570.0	104.9	.2	2.4	.0150	.119	.118	0 49.88
394	.006	2.462	3	.0	4448.8	4448.8	1.000	154.8	1575.7	1570.0	104.9	.2	2.4	.0150	.118	.117	1 49.88
394	.006	2.462	3	.0	4448.7	4448.7	1.000	154.8	1575.7	1570.0	104.9	.2	2.4	.0150	.117	.118	2 49.88
394	.006	2.462	3	.0	4448.7	4448.7	1.000	154.8	1575.7	1570.0	104.9	.2	2.4	.0150	.118	.118	3 49.88
394	.006	2.462	3	.0	4448.7	4448.7	1.000	154.8	1575.7	1570.0	104.9	.2	2.4	.0150	.118	.118	4 49.88
394	.006	2.462	3	.0	4448.7	4448.7	1.000	154.8	1575.7	1570.0	104.9	.2	2.4	.0150	.118	.118	5 49.88
395	.006	2.469	3	.0	4425.6	4425.6	1.000	155.0	1575.6	1570.0	105.2	.2	2.4	.0150	.118	.117	0 49.88
395	.006	2.469	3	.0	4425.7	4425.7	1.000	155.0	1575.6	1570.0	105.2	.2	2.4	.0150	.117	.118	1 49.88
395	.006	2.469	3	.0	4425.7	4425.7	1.000	155.0	1575.6	1570.0	105.2	.2	2.4	.0150	.118	.117	2 49.88
395	.006	2.469	3	.0	4425.6	4425.6	1.000	155.0	1575.6	1570.0	105.2	.2	2.4	.0150	.117	.117	3 49.88
395	.006	2.469	3	.0	4425.6	4425.6	1.000	155.0	1575.6	1570.0	105.2	.2	2.4	.0150	.117	.117	4 49.88
395	.006	2.469	3	.0	4425.6	4425.6	1.000	155.0	1575.6	1570.0	105.2	.2	2.4	.0150	.117	.117	5 49.88
396	.006	2.475	3	.0	4402.2	4402.2	1.000	155.2	1575.6	1570.0	105.4	.2	2.4	.0150	.117	.117	0 49.88
396	.006	2.475	3	.0	4402.3	4402.3	1.000	155.2	1575.6	1570.0	105.4	.2	2.4	.0150	.117	.117	1 49.88
396	.006	2.475	3	.0	4402.3	4402.3	1.000	155.2	1575.6	1570.0	105.4	.2	2.4	.0150	.117	.117	2 49.88
396	.006	2.475	3	.0	4402.3	4402.3	1.000	155.2	1575.6	1570.0	105.4	.2	2.4	.0150	.117	.117	3 49.88
396	.006	2.475	3	.0	4402.3	4402.3	1.000	155.2	1575.6	1570.0	105.4	.2	2.4	.0150	.117	.116	4 49.88
396	.006	2.475	3	.0	4402.3	4402.3	1.000	155.2	1575.6	1570.0	105.4	.2	2.4	.0150	.116	.116	5 49.88
[illegible]	.006	2.481	3	.0	4378.7	4378.7	1.000	155.5	1575.6	1570.0	105.6	.2	2.4	.0150	.116	.116	0 49.88
[illegible]	.006	2.481	3	.0	4378.7	4378.7	1.000	155.5	1575.6	1570.0	105.6	.2	2.4	.0150	.116	.116	1 49.88
397	.006	2.481	3	.0	4378.7	4378.7	1.000	155.5	1575.6	1570.0	105.6	.2	2.4	.0150	.116	.116	2 49.88
397	.006	2.481	3	.0	4378.7	4378.7	1.000	155.5	1575.6	1570.0	105.6	.2	2.4	.0150	.116	.116	3 49.88
397	.006	2.481	3	.0	4378.7	4378.7	1.000	155.5	1575.6	1570.0	105.6	.2	2.4	.0150	.116	.116	4 49.88

397	.006	2.481	3	.0	4378.7	4378.7	1.000	155.5	1575.6	1570.0	105.6	.2	2.4	.0150	.116	.115	5	49.88
398	.006	2.487	3	.0	4355.0	4355.0	1.000	155.7	1575.6	1570.0	105.9	.2	2.4	.0150	.116	.115	0	49.88
398	.006	2.487	3	.0	4355.0	4355.0	1.000	155.7	1575.6	1570.0	105.9	.2	2.4	.0150	.115	.115	1	49.88
[illegible]	.006	2.487	3	.0	4355.0	4355.0	1.000	155.7	1575.6	1570.0	105.9	.2	2.4	.0150	.115	.115	2	49.88
[illegible]	.006	2.487	3	.0	4355.0	4355.0	1.000	155.7	1575.6	1570.0	105.9	.2	2.4	.0150	.115	.115	3	49.88
398	.006	2.487	3	.0	4355.0	4355.0	1.000	155.7	1575.6	1570.0	105.9	.2	2.4	.0150	.115	.115	4	49.88
398	.006	2.487	3	.0	4355.1	4355.1	1.000	155.7	1575.6	1570.0	105.9	.2	2.4	.0150	.115	.116	5	49.88
399	.006	2.494	3	.0	4331.2	4331.2	1.000	155.9	1575.5	1570.0	106.1	.2	2.4	.0150	.115	.115	0	49.88
399	.006	2.494	3	.0	4331.2	4331.2	1.000	155.9	1575.5	1570.0	106.1	.2	2.4	.0150	.115	.115	1	49.88
399	.006	2.494	3	.0	4331.2	4331.2	1.000	155.9	1575.5	1570.0	106.1	.2	2.4	.0150	.115	.114	2	49.88
399	.006	2.494	3	.0	4331.1	4331.1	1.000	155.9	1575.5	1570.0	106.1	.2	2.4	.0150	.114	.114	3	49.88
399	.006	2.494	3	.0	4331.1	4331.1	1.000	155.9	1575.5	1570.0	106.1	.2	2.4	.0150	.114	.115	4	49.88
399	.006	2.494	3	.0	4331.1	4331.1	1.000	155.9	1575.5	1570.0	106.1	.2	2.4	.0150	.115	.115	5	49.88
400	.006	2.500	3	.0	4307.0	4307.0	1.000	156.2	1575.5	1570.0	106.3	.2	2.4	.0150	.115	.114	0	49.88

Step I	Time Step (hr) DTH	Elpse Time (hr) T	Fail Code KG	Spillway Outflow (cfs) QTS	Breach Outflow (cfs) QB	Total Outflow (cfs) QTOT	Sbmrg Crctn Factr SUB	Brech Top Width (ft) BT	Rsrvor W. S. Elev. (ft - MSL) HY	Breach Bottom Elev. (ft - MSL) HC	Brech Bottm Width (ft) BO	Breach Width Incres (ft) PPP	Breach Flow Depth (ft) HP	Brech Manig (n) CNN	Estmte Erosin Depth Incrse (ft) DH	Comput Erosin Depth Incrse (ft) DHH	Itrtn Count KIT	Brech Vrtcl Side Angle (deg) ALG
400	.006	2.500	3	.0	4307.1	4307.1	1.000	156.2	1575.5	1570.0	106.3	.2	2.4	.0150	.114	.114	1	49.88
400	.006	2.500	3	.0	4307.2	4307.2	1.000	156.2	1575.5	1570.0	106.3	.2	2.4	.0150	.114	.114	2	49.88
400	.006	2.500	3	.0	4307.2	4307.2	1.000	156.2	1575.5	1570.0	106.3	.2	2.4	.0150	.114	.113	3	49.88
400	.006	2.500	3	.0	4307.1	4307.1	1.000	156.2	1575.5	1570.0	106.3	.2	2.4	.0150	.113	.114	4	49.88
400	.006	2.500	3	.0	4307.1	4307.1	1.000	156.2	1575.5	1570.0	106.3	.2	2.4	.0150	.114	.114	5	49.88
401	.006	2.506	3	.0	4282.8	4282.8	1.000	156.4	1575.5	1570.0	106.6	.2	2.4	.0150	.114	.113	0	49.88
401	.006	2.506	3	.0	4282.9	4282.9	1.000	156.4	1575.5	1570.0	106.6	.2	2.4	.0150	.113	.113	1	49.88
401	.006	2.506	3	.0	4282.9	4282.9	1.000	156.4	1575.5	1570.0	106.6	.2	2.4	.0150	.113	.114	2	49.88
401	.006	2.506	3	.0	4282.9	4282.9	1.000	156.4	1575.5	1570.0	106.6	.2	2.4	.0150	.114	.114	3	49.88
401	.006	2.506	3	.0	4282.9	4282.9	1.000	156.4	1575.5	1570.0	106.6	.2	2.4	.0150	.114	.113	4	49.88
401	.006	2.506	3	.0	4282.8	4282.8	1.000	156.4	1575.5	1570.0	106.6	.2	2.3	.0150	.113	.113	5	49.88
402	.006	2.512	3	.0	4258.4	4258.4	1.000	156.6	1575.5	1570.0	106.8	.2	2.3	.0150	.113	.112	0	49.88
402	.006	2.512	3	.0	4258.3	4258.3	1.000	156.6	1575.5	1570.0	106.8	.2	2.3	.0150	.112	.112	1	49.88
402	.006	2.512	3	.0	4258.3	4258.3	1.000	156.6	1575.5	1570.0	106.8	.2	2.3	.0150	.112	.113	2	49.88
402	.006	2.512	3	.0	4258.4	4258.4	1.000	156.6	1575.5	1570.0	106.8	.2	2.3	.0150	.113	.113	3	49.88
402	.006	2.512	3	.0	4258.4	4258.4	1.000	156.6	1575.5	1570.0	106.8	.2	2.3	.0150	.113	.113	4	49.88
402	.006	2.512	3	.0	4258.4	4258.4	1.000	156.6	1575.5	1570.0	106.8	.2	2.3	.0150	.113	.113	5	49.88
403	.006	2.519	3	.0	4233.9	4233.9	1.000	156.8	1575.4	1570.0	107.0	.2	2.3	.0150	.113	.113	0	49.88
403	.006	2.519	3	.0	4233.9	4233.9	1.000	156.8	1575.4	1570.0	107.0	.2	2.3	.0150	.113	.112	1	49.88
403	.006	2.519	3	.0	4233.8	4233.8	1.000	156.8	1575.4	1570.0	107.0	.2	2.3	.0150	.112	.112	2	49.88
403	.006	2.519	3	.0	4233.8	4233.8	1.000	156.8	1575.4	1570.0	107.0	.2	2.3	.0150	.112	.112	3	49.88
403	.006	2.519	3	.0	4233.8	4233.8	1.000	156.8	1575.4	1570.0	107.0	.2	2.3	.0150	.112	.112	4	49.88
403	.006	2.519	3	.0	4233.8	4233.8	1.000	156.8	1575.4	1570.0	107.0	.2	2.3	.0150	.112	.112	5	49.88
404	.006	2.525	3	.0	4209.1	4209.1	1.000	157.1	1575.4	1570.0	107.2	.2	2.3	.0150	.112	.112	0	49.88
404	.006	2.525	3	.0	4209.2	4209.2	1.000	157.1	1575.4	1570.0	107.2	.2	2.3	.0150	.112	.112	1	49.88
404	.006	2.525	3	.0	4209.2	4209.2	1.000	157.1	1575.4	1570.0	107.2	.2	2.3	.0150	.112	.111	2	49.88
404	.006	2.525	3	.0	4209.2	4209.2	1.000	157.1	1575.4	1570.0	107.2	.2	2.3	.0150	.111	.111	3	49.88
404	.006	2.525	3	.0	4209.2	4209.2	1.000	157.1	1575.4	1570.0	107.2	.2	2.3	.0150	.111	.111	4	49.88
404	.006	2.525	3	.0	4209.2	4209.2	1.000	157.1	1575.4	1570.0	107.2	.2	2.3	.0150	.111	.111	5	49.88
405	.006	2.531	3	.0	4184.2	4184.2	1.000	157.3	1575.4	1570.0	107.4	.2	2.3	.0150	.111	.111	0	49.88
405	.006	2.531	3	.0	4184.2	4184.2	1.000	157.3	1575.4	1570.0	107.4	.2	2.3	.0150	.111	.111	1	49.88
405	.006	2.531	3	.0	4184.2	4184.2	1.000	157.3	1575.4	1570.0	107.4	.2	2.3	.0150	.111	.111	2	49.88
405	.006	2.531	3	.0	4184.2	4184.2	1.000	157.3	1575.4	1570.0	107.4	.2	2.3	.0150	.111	.110	3	49.88
405	.006	2.531	3	.0	4184.1	4184.1	1.000	157.3	1575.4	1570.0	107.4	.2	2.3	.0150	.110	.110	4	49.88
405	.006	2.531	3	.0	4184.1	4184.1	1.000	157.3	1575.4	1570.0	107.4	.2	2.3	.0150	.110	.111	5	49.88
406	.006	2.537	3	.0	4159.1	4159.1	1.000	157.5	1575.3	1570.0	107.7	.2	2.3	.0150	.110	.110	0	49.88
406	.006	2.537	3	.0	4159.0	4159.0	1.000	157.5	1575.3	1570.0	107.7	.2	2.3	.0150	.110	.110	1	49.88
406	.006	2.537	3	.0	4159.1	4159.1	1.000	157.5	1575.3	1570.0	107.7	.2	2.3	.0150	.110	.110	2	49.88
406	.006	2.537	3	.0	4159.1	4159.1	1.000	157.5	1575.3	1570.0	107.7	.2	2.3	.0150	.110	.110	3	49.88
406	.006	2.537	3	.0	4159.1	4159.1	1.000	157.5	1575.3	1570.0	107.7	.2	2.3	.0150	.110	.109	4	49.88
406	.006	2.537	3	.0	4159.0	4159.0	1.000	157.5	1575.3	1570.0	107.7	.2	2.3	.0150	.109	.110	5	49.88
407	.006	2.544	3	.0	4133.7	4133.7	1.000	157.7	1575.3	1570.0	107.9	.2	2.3	.0150	.109	.109	0	49.88
407	.006	2.544	3	.0	4133.8	4133.8	1.000	157.7	1575.3	1570.0	107.9	.2	2.3	.0150	.109	.109	1	49.88
407	.006	2.544	3	.0	4133.8	4133.8	1.000	157.7	1575.3	1570.0	107.9	.2	2.3	.0150	.109	.109	2	49.88
407	.006	2.544	3	.0	4133.8	4133.8	1.000	157.7	1575.3	1570.0	107.9	.2	2.3	.0150	.109	.110	3	49.88
407	.006	2.544	3	.0	4133.9	4133.9	1.000	157.7	1575.3	1570.0	107.9	.2	2.3	.0150	.110	.110	4	49.88

407	.006	2.544	3	.0	4133.9	4133.9	1.000	157.7	1575.3	1570.0	107.9	.2	2.3	.0150	.110	.109	5 49.88
408	.006	2.550	3	.0	4108.4	4108.4	1.000	157.9	1575.3	1570.0	108.1	.2	2.3	.0150	.110	.108	0 49.88
408	.006	2.550	3	.0	4108.3	4108.3	1.000	157.9	1575.3	1570.0	108.1	.2	2.3	.0150	.108	.108	1 49.88
[illegible]	.006	2.550	3	.0	4108.3	4108.3	1.000	157.9	1575.3	1570.0	108.1	.2	2.3	.0150	.108	.108	2 49.88
[illegible]	.006	2.550	3	.0	4108.3	4108.3	1.000	157.9	1575.3	1570.0	108.1	.2	2.3	.0150	.108	.109	3 49.88
408	.006	2.550	3	.0	4108.3	4108.3	1.000	157.9	1575.3	1570.0	108.1	.2	2.3	.0150	.109	.109	4 49.88
408	.006	2.550	3	.0	4108.3	4108.3	1.000	157.9	1575.3	1570.0	108.1	.2	2.3	.0150	.109	.109	5 49.88
409	.006	2.556	3	.0	4082.8	4082.8	1.000	158.2	1575.3	1570.0	108.3	.2	2.3	.0150	.109	.108	0 49.88
409	.006	2.556	3	.0	4082.9	4082.9	1.000	158.1	1575.3	1570.0	108.3	.2	2.3	.0150	.108	.107	1 49.88
409	.006	2.556	3	.0	4082.8	4082.8	1.000	158.1	1575.3	1570.0	108.3	.2	2.3	.0150	.107	.108	2 49.88
409	.006	2.556	3	.0	4082.8	4082.8	1.000	158.1	1575.3	1570.0	108.3	.2	2.3	.0150	.108	.108	3 49.88
409	.006	2.556	3	.0	4082.8	4082.8	1.000	158.1	1575.3	1570.0	108.3	.2	2.3	.0150	.108	.108	4 49.88
409	.006	2.556	3	.0	4082.9	4082.9	1.000	158.1	1575.3	1570.0	108.3	.2	2.3	.0150	.108	.108	5 49.88
410	.006	2.562	3	.0	4057.1	4057.1	1.000	158.4	1575.2	1570.0	108.5	.2	2.3	.0150	.108	.107	0 49.88
410	.006	2.562	3	.0	4057.0	4057.0	1.000	158.4	1575.2	1570.0	108.5	.2	2.3	.0150	.107	.108	1 49.88
410	.006	2.562	3	.0	4057.0	4057.0	1.000	158.4	1575.2	1570.0	108.5	.2	2.3	.0150	.108	.107	2 49.88
410	.006	2.562	3	.0	4057.0	4057.0	1.000	158.4	1575.2	1570.0	108.5	.2	2.2	.0150	.107	.107	3 49.88
410	.006	2.562	3	.0	4057.0	4057.0	1.000	158.4	1575.2	1570.0	108.5	.2	2.2	.0150	.107	.107	4 49.88
410	.006	2.562	3	.0	4057.0	4057.0	1.000	158.4	1575.2	1570.0	108.5	.2	2.3	.0150	.107	.107	5 49.88
411	.006	2.569	3	.0	4031.0	4031.0	1.000	158.6	1575.2	1570.0	108.7	.2	2.3	.0150	.107	.107	0 49.88
411	.006	2.569	3	.0	4031.1	4031.1	1.000	158.6	1575.2	1570.0	108.7	.2	2.2	.0150	.107	.107	1 49.88
411	.006	2.569	3	.0	4031.1	4031.1	1.000	158.6	1575.2	1570.0	108.7	.2	2.2	.0150	.107	.107	2 49.88
411	.006	2.569	3	.0	4031.1	4031.1	1.000	158.6	1575.2	1570.0	108.7	.2	2.2	.0150	.107	.106	3 49.88
411	.006	2.569	3	.0	4031.1	4031.1	1.000	158.6	1575.2	1570.0	108.7	.2	2.2	.0150	.106	.106	4 49.88
411	.006	2.569	3	.0	4031.1	4031.1	1.000	158.6	1575.2	1570.0	108.7	.2	2.2	.0150	.106	.106	5 49.88
412	.006	2.575	3	.0	4005.0	4005.0	1.000	158.8	1575.2	1570.0	109.0	.2	2.2	.0150	.106	.106	0 49.88
412	.006	2.575	3	.0	4004.9	4004.9	1.000	158.8	1575.2	1570.0	109.0	.2	2.2	.0150	.106	.106	1 49.88
412	.006	2.575	3	.0	4005.0	4005.0	1.000	158.8	1575.2	1570.0	109.0	.2	2.2	.0150	.106	.106	2 49.88
412	.006	2.575	3	.0	4005.0	4005.0	1.000	158.8	1575.2	1570.0	109.0	.2	2.2	.0150	.106	.106	3 49.88
[illegible]	.006	2.575	3	.0	4005.0	4005.0	1.000	158.8	1575.2	1570.0	109.0	.2	2.2	.0150	.106	.105	4 49.88
[illegible]	.006	2.575	3	.0	4004.9	4004.9	1.000	158.8	1575.2	1570.0	109.0	.2	2.2	.0150	.105	.106	5 49.88
413	.006	2.581	3	.0	3978.6	3978.6	1.000	159.0	1575.1	1570.0	109.2	.2	2.2	.0150	.105	.105	0 49.88
413	.006	2.581	3	.0	3978.7	3978.7	1.000	159.0	1575.1	1570.0	109.2	.2	2.2	.0150	.105	.105	1 49.88
413	.006	2.581	3	.0	3978.7	3978.7	1.000	159.0	1575.1	1570.0	109.2	.2	2.2	.0150	.105	.105	2 49.88
413	.006	2.581	3	.0	3978.7	3978.7	1.000	159.0	1575.1	1570.0	109.2	.2	2.2	.0150	.105	.105	3 49.88
413	.006	2.581	3	.0	3978.7	3978.7	1.000	159.0	1575.1	1570.0	109.2	.2	2.2	.0150	.105	.106	4 49.88
413	.006	2.581	3	.0	3978.8	3978.8	1.000	159.0	1575.1	1570.0	109.2	.2	2.2	.0150	.106	.105	5 49.88
414	.006	2.587	3	.0	3952.3	3952.3	1.000	159.2	1575.1	1570.0	109.4	.2	2.2	.0150	.106	.104	0 49.88
414	.006	2.587	3	.0	3952.2	3952.2	1.000	159.2	1575.1	1570.0	109.4	.2	2.2	.0150	.104	.104	1 49.88
414	.006	2.587	3	.0	3952.2	3952.2	1.000	159.2	1575.1	1570.0	109.4	.2	2.2	.0150	.104	.104	2 49.88
414	.006	2.587	3	.0	3952.2	3952.2	1.000	159.2	1575.1	1570.0	109.4	.2	2.2	.0150	.104	.105	3 49.88
414	.006	2.587	3	.0	3952.2	3952.2	1.000	159.2	1575.1	1570.0	109.4	.2	2.2	.0150	.105	.105	4 49.88
414	.006	2.587	3	.0	3952.2	3952.2	1.000	159.2	1575.1	1570.0	109.4	.2	2.2	.0150	.105	.104	5 49.88
415	.006	2.594	3	.0	3925.7	3925.7	1.000	159.4	1575.1	1570.0	109.6	.2	2.2	.0150	.105	.103	0 49.88
415	.006	2.594	3	.0	3925.6	3925.6	1.000	159.4	1575.1	1570.0	109.6	.2	2.2	.0150	.103	.103	1 49.88
415	.006	2.594	3	.0	3925.6	3925.6	1.000	159.4	1575.1	1570.0	109.6	.2	2.2	.0150	.103	.104	2 49.88
415	.006	2.594	3	.0	3925.6	3925.6	1.000	159.4	1575.1	1570.0	109.6	.2	2.2	.0150	.104	.104	3 49.88
415	.006	2.594	3	.0	3925.6	3925.6	1.000	159.4	1575.1	1570.0	109.6	.2	2.2	.0150	.104	.104	4 49.88
415	.006	2.594	3	.0	3925.6	3925.6	1.000	159.4	1575.1	1570.0	109.6	.2	2.2	.0150	.104	.104	5 49.88
416	.006	2.600	3	.0	3898.9	3898.9	1.000	159.6	1575.1	1570.0	109.8	.2	2.2	.0150	.104	.103	0 49.88
416	.006	2.600	3	.0	3899.0	3899.0	1.000	159.6	1575.1	1570.0	109.8	.2	2.2	.0150	.103	.103	1 49.88
416	.006	2.600	3	.0	3898.9	3898.9	1.000	159.6	1575.1	1570.0	109.8	.2	2.2	.0150	.103	.103	2 49.88
416	.006	2.600	3	.0	3898.9	3898.9	1.000	159.6	1575.1	1570.0	109.8	.2	2.2	.0150	.103	.103	3 49.88
416	.006	2.600	3	.0	3898.9	3898.9	1.000	159.6	1575.1	1570.0	109.8	.2	2.2	.0150	.103	.103	4 49.88
416	.006	2.600	3	.0	3898.9	3898.9	1.000	159.6	1575.1	1570.0	109.8	.2	2.2	.0150	.103	.103	5 49.88
[illegible]	.006	2.606	3	.0	3872.0	3872.0	1.000	159.8	1575.0	1570.0	110.0	.2	2.2	.0150	.103	.103	0 49.88
[illegible]	.006	2.606	3	.0	3871.9	3871.9	1.000	159.8	1575.0	1570.0	110.0	.2	2.2	.0150	.103	.102	1 49.88
417	.006	2.606	3	.0	3871.9	3871.9	1.000	159.8	1575.0	1570.0	110.0	.2	2.2	.0150	.102	.102	2 49.88
417	.006	2.606	3	.0	3871.9	3871.9	1.000	159.8	1575.0	1570.0	110.0	.2	2.2	.0150	.102	.102	3 49.88
417	.006	2.606	3	.0	3871.9	3871.9	1.000	159.8	1575.0	1570.0	110.0	.2	2.2	.0150	.102	.102	4 49.88

417	.006	2.606	3	.0	3871.9	3871.9	1.000	159.8	1575.0	1570.0	110.0	.2	2.2	.0150	.102	.102	5	49.88
418	.006	2.612	3	.0	3844.9	3844.9	1.000	160.0	1575.0	1570.0	110.2	.2	2.2	.0150	.102	.102	0	49.88
418	.006	2.612	3	.0	3844.8	3844.8	1.000	160.0	1575.0	1570.0	110.2	.2	2.2	.0150	.102	.102	1	49.88
[illegible]	.006	2.612	3	.0	3844.8	3844.8	1.000	160.0	1575.0	1570.0	110.2	.2	2.2	.0150	.102	.101	2	49.88
[illegible]	.006	2.612	3	.0	3844.8	3844.8	1.000	160.0	1575.0	1570.0	110.2	.2	2.2	.0150	.101	.101	3	49.88
418	.006	2.612	3	.0	3844.8	3844.8	1.000	160.0	1575.0	1570.0	110.2	.2	2.2	.0150	.101	.101	4	49.88
418	.006	2.612	3	.0	3844.8	3844.8	1.000	160.0	1575.0	1570.0	110.2	.2	2.2	.0150	.101	.102	5	49.88
419	.006	2.619	3	.0	3817.6	3817.6	1.000	160.2	1575.0	1570.0	110.4	.2	2.2	.0150	.101	.101	0	49.88
419	.006	2.619	3	.0	3817.5	3817.5	1.000	160.2	1575.0	1570.0	110.4	.2	2.2	.0150	.101	.101	1	49.88
419	.006	2.619	3	.0	3817.5	3817.5	1.000	160.2	1575.0	1570.0	110.4	.2	2.2	.0150	.101	.100	2	49.88
419	.006	2.619	3	.0	3817.5	3817.5	1.000	160.2	1575.0	1570.0	110.4	.2	2.1	.0150	.100	.100	3	49.88
419	.006	2.619	3	.0	3817.5	3817.5	1.000	160.2	1575.0	1570.0	110.4	.2	2.1	.0150	.100	.101	4	49.88
419	.006	2.619	3	.0	3817.5	3817.5	1.000	160.2	1575.0	1570.0	110.4	.2	2.1	.0150	.101	.101	5	49.88
420	.006	2.625	3	.0	3790.0	3790.0	1.000	160.4	1574.9	1570.0	110.6	.2	2.2	.0150	.101	.100	0	49.88
420	.006	2.625	3	.0	3790.2	3790.2	1.000	160.4	1574.9	1570.0	110.6	.2	2.1	.0150	.100	.100	1	49.88
420	.006	2.625	3	.0	3790.2	3790.2	1.000	160.4	1574.9	1570.0	110.6	.2	2.1	.0150	.100	.100	2	49.88
420	.006	2.625	3	.0	3790.2	3790.2	1.000	160.4	1574.9	1570.0	110.6	.2	2.1	.0150	.100	.100	3	49.88
420	.006	2.625	3	.0	3790.1	3790.1	1.000	160.4	1574.9	1570.0	110.6	.2	2.1	.0150	.100	.100	4	49.88
420	.006	2.625	3	.0	3790.1	3790.1	1.000	160.4	1574.9	1570.0	110.6	.2	2.1	.0150	.100	.100	5	49.88
421	.006	2.631	3	.0	3762.5	3762.5	1.000	160.6	1574.9	1570.0	110.8	.2	2.1	.0150	.100	.099	0	49.88
421	.006	2.631	3	.0	3762.4	3762.4	1.000	160.6	1574.9	1570.0	110.8	.2	2.1	.0150	.099	.099	1	49.88
421	.006	2.631	3	.0	3762.5	3762.5	1.000	160.6	1574.9	1570.0	110.8	.2	2.1	.0150	.099	.100	2	49.88
421	.006	2.631	3	.0	3762.5	3762.5	1.000	160.6	1574.9	1570.0	110.8	.2	2.1	.0150	.100	.099	3	49.88
421	.006	2.631	3	.0	3762.4	3762.4	1.000	160.6	1574.9	1570.0	110.8	.2	2.1	.0150	.099	.099	4	49.88
421	.006	2.631	3	.0	3762.4	3762.4	1.000	160.6	1574.9	1570.0	110.8	.2	2.1	.0150	.099	.099	5	49.88
422	.006	2.637	3	.0	3734.6	3734.6	1.000	160.8	1574.9	1570.0	111.0	.2	2.1	.0150	.099	.098	0	49.88
422	.006	2.637	3	.0	3734.7	3734.7	1.000	160.8	1574.9	1570.0	111.0	.2	2.1	.0150	.098	.099	1	49.88
422	.006	2.637	3	.0	3734.7	3734.7	1.000	160.8	1574.9	1570.0	111.0	.2	2.1	.0150	.099	.099	2	49.88
422	.006	2.637	3	.0	3734.7	3734.7	1.000	160.8	1574.9	1570.0	111.0	.2	2.1	.0150	.099	.099	3	49.88
[illegible]	.006	2.637	3	.0	3734.7	3734.7	1.000	160.8	1574.9	1570.0	111.0	.2	2.1	.0150	.099	.098	4	49.88
[illegible]	.006	2.637	3	.0	3734.7	3734.7	1.000	160.8	1574.9	1570.0	111.0	.2	2.1	.0150	.098	.098	5	49.88
423	.006	2.644	3	.0	3706.6	3706.6	1.000	161.0	1574.9	1570.0	111.2	.2	2.1	.0150	.098	.098	0	49.88
423	.006	2.644	3	.0	3706.7	3706.7	1.000	161.0	1574.9	1570.0	111.2	.2	2.1	.0150	.098	.098	1	49.88
423	.006	2.644	3	.0	3706.7	3706.7	1.000	161.0	1574.9	1570.0	111.2	.2	2.1	.0150	.098	.098	2	49.88
423	.006	2.644	3	.0	3706.7	3706.7	1.000	161.0	1574.9	1570.0	111.2	.2	2.1	.0150	.098	.098	3	49.88
423	.006	2.644	3	.0	3706.7	3706.7	1.000	161.0	1574.9	1570.0	111.2	.2	2.1	.0150	.098	.097	4	49.88
423	.006	2.644	3	.0	3706.7	3706.7	1.000	161.0	1574.9	1570.0	111.2	.2	2.1	.0150	.097	.097	5	49.88
424	.006	2.650	3	.0	3678.5	3678.5	1.000	161.2	1574.8	1570.0	111.4	.2	2.1	.0150	.097	.097	0	49.88
424	.006	2.650	3	.0	3678.6	3678.6	1.000	161.2	1574.8	1570.0	111.4	.2	2.1	.0150	.097	.097	1	49.88
424	.006	2.650	3	.0	3678.6	3678.6	1.000	161.2	1574.8	1570.0	111.4	.2	2.1	.0150	.097	.097	2	49.88
424	.006	2.650	3	.0	3678.6	3678.6	1.000	161.2	1574.8	1570.0	111.4	.2	2.1	.0150	.097	.097	3	49.88
424	.006	2.650	3	.0	3678.6	3678.6	1.000	161.2	1574.8	1570.0	111.4	.2	2.1	.0150	.097	.097	4	49.88
424	.006	2.650	3	.0	3678.5	3678.5	1.000	161.2	1574.8	1570.0	111.4	.2	2.1	.0150	.097	.097	5	49.88
425	.006	2.656	3	.0	3650.3	3650.3	1.000	161.4	1574.8	1570.0	111.6	.2	2.1	.0150	.097	.096	0	49.88
425	.006	2.656	3	.0	3650.2	3650.2	1.000	161.4	1574.8	1570.0	111.6	.2	2.1	.0150	.096	.096	1	49.88
425	.006	2.656	3	.0	3650.2	3650.2	1.000	161.4	1574.8	1570.0	111.6	.2	2.1	.0150	.096	.096	2	49.88
425	.006	2.656	3	.0	3650.2	3650.2	1.000	161.4	1574.8	1570.0	111.6	.2	2.1	.0150	.096	.097	3	49.88
425	.006	2.656	3	.0	3650.3	3650.3	1.000	161.4	1574.8	1570.0	111.6	.2	2.1	.0150	.097	.096	4	49.88
425	.006	2.656	3	.0	3650.2	3650.2	1.000	161.4	1574.8	1570.0	111.6	.2	2.1	.0150	.096	.096	5	49.88
426	.006	2.662	3	.0	3621.7	3621.7	1.000	161.6	1574.8	1570.0	111.8	.2	2.1	.0150	.096	.095	0	49.88
426	.006	2.662	3	.0	3621.8	3621.8	1.000	161.6	1574.8	1570.0	111.8	.2	2.1	.0150	.095	.095	1	49.88
426	.006	2.662	3	.0	3621.9	3621.9	1.000	161.6	1574.8	1570.0	111.8	.2	2.1	.0150	.095	.096	2	49.88
426	.006	2.662	3	.0	3621.9	3621.9	1.000	161.6	1574.8	1570.0	111.8	.2	2.1	.0150	.096	.096	3	49.88
426	.006	2.662	3	.0	3621.9	3621.9	1.000	161.6	1574.8	1570.0	111.8	.2	2.1	.0150	.096	.096	4	49.88
426	.006	2.662	3	.0	3621.9	3621.9	1.000	161.6	1574.8	1570.0	111.8	.2	2.1	.0150	.096	.095	5	49.88
[illegible]	.006	2.669	3	.0	3593.1	3593.1	1.000	161.8	1574.7	1570.0	112.0	.2	2.1	.0150	.096	.094	0	49.88
[illegible]	.006	2.669	3	.0	3593.2	3593.2	1.000	161.8	1574.7	1570.0	112.0	.2	2.1	.0150	.094	.095	1	49.88
427	.006	2.669	3	.0	3593.2	3593.2	1.000	161.8	1574.7	1570.0	112.0	.2	2.1	.0150	.095	.095	2	49.88
427	.006	2.669	3	.0	3593.2	3593.2	1.000	161.8	1574.7	1570.0	112.0	.2	2.1	.0150	.095	.095	3	49.88
427	.006	2.669	3	.0	3593.2	3593.2	1.000	161.8	1574.7	1570.0	112.0	.2	2.1	.0150	.095	.095	4	49.88

427	.006	2.669	3	.0	3593.2	3593.2	1.000	161.8	1574.7	1570.0	112.0	.2	2.1	.0150	.095	.094	5	49.88
428	.006	2.675	3	.0	3564.5	3564.5	1.000	162.0	1574.7	1570.0	112.1	.2	2.1	.0150	.095	.094	0	49.88
428	.006	2.675	3	.0	3564.4	3564.4	1.000	162.0	1574.7	1570.0	112.1	.2	2.0	.0150	.094	.094	1	49.88
[illegible]	.006	2.675	3	.0	3564.4	3564.4	1.000	162.0	1574.7	1570.0	112.1	.2	2.0	.0150	.094	.094	2	49.88
428	.006	2.675	3	.0	3564.4	3564.4	1.000	162.0	1574.7	1570.0	112.1	.2	2.0	.0150	.094	.094	3	49.88
428	.006	2.675	3	.0	3564.4	3564.4	1.000	162.0	1574.7	1570.0	112.1	.2	2.0	.0150	.094	.094	4	49.88
428	.006	2.675	3	.0	3564.4	3564.4	1.000	162.0	1574.7	1570.0	112.1	.2	2.0	.0150	.094	.094	5	49.88
429	.006	2.681	3	.0	3535.4	3535.4	1.000	162.2	1574.7	1570.0	112.3	.2	2.0	.0150	.094	.093	0	49.88
429	.006	2.681	3	.0	3535.5	3535.5	1.000	162.2	1574.7	1570.0	112.3	.2	2.0	.0150	.093	.093	1	49.88
429	.006	2.681	3	.0	3535.5	3535.5	1.000	162.2	1574.7	1570.0	112.3	.2	2.0	.0150	.093	.093	2	49.88
429	.006	2.681	3	.0	3535.5	3535.5	1.000	162.2	1574.7	1570.0	112.3	.2	2.0	.0150	.093	.093	3	49.88
429	.006	2.681	3	.0	3535.5	3535.5	1.000	162.2	1574.7	1570.0	112.3	.2	2.0	.0150	.093	.094	4	49.88
429	.006	2.681	3	.0	3535.5	3535.5	1.000	162.2	1574.7	1570.0	112.3	.2	2.0	.0150	.094	.093	5	49.88
430	.006	2.687	3	.0	3506.4	3506.4	1.000	162.3	1574.7	1570.0	112.5	.2	2.0	.0150	.094	.092	0	49.88
430	.006	2.687	3	.0	3506.5	3506.5	1.000	162.3	1574.7	1570.0	112.5	.2	2.0	.0150	.092	.092	1	49.88
430	.006	2.687	3	.0	3506.5	3506.5	1.000	162.3	1574.7	1570.0	112.5	.2	2.0	.0150	.092	.092	2	49.88
430	.006	2.687	3	.0	3506.5	3506.5	1.000	162.3	1574.7	1570.0	112.5	.2	2.0	.0150	.092	.093	3	49.88
430	.006	2.687	3	.0	3506.5	3506.5	1.000	162.3	1574.7	1570.0	112.5	.2	2.0	.0150	.093	.093	4	49.88
430	.006	2.687	3	.0	3506.5	3506.5	1.000	162.3	1574.7	1570.0	112.5	.2	2.0	.0150	.093	.092	5	49.88
431	.006	2.694	3	.0	3477.1	3477.1	1.000	162.5	1574.6	1570.0	112.7	.2	2.0	.0150	.093	.091	0	49.88
431	.006	2.694	3	.0	3477.1	3477.1	1.000	162.5	1574.6	1570.0	112.7	.2	2.0	.0150	.091	.092	1	49.88
431	.006	2.694	3	.0	3477.1	3477.1	1.000	162.5	1574.6	1570.0	112.7	.2	2.0	.0150	.092	.092	2	49.88
431	.006	2.694	3	.0	3477.1	3477.1	1.000	162.5	1574.6	1570.0	112.7	.2	2.0	.0150	.092	.092	3	49.88
431	.006	2.694	3	.0	3477.1	3477.1	1.000	162.5	1574.6	1570.0	112.7	.2	2.0	.0150	.092	.092	4	49.88
431	.006	2.694	3	.0	3477.2	3477.2	1.000	162.5	1574.6	1570.0	112.7	.2	2.0	.0150	.092	.091	5	49.88
432	.006	2.700	3	.0	3447.7	3447.7	1.000	162.7	1574.6	1570.0	112.9	.2	2.0	.0150	.092	.091	0	49.88
432	.006	2.700	3	.0	3447.7	3447.7	1.000	162.7	1574.6	1570.0	112.9	.2	2.0	.0150	.091	.091	1	49.88
432	.006	2.700	3	.0	3447.7	3447.7	1.000	162.7	1574.6	1570.0	112.9	.2	2.0	.0150	.091	.091	2	49.88
432	.006	2.700	3	.0	3447.8	3447.8	1.000	162.7	1574.6	1570.0	112.9	.2	2.0	.0150	.091	.091	3	49.88
[illegible]	.006	2.700	3	.0	3447.8	3447.8	1.000	162.7	1574.6	1570.0	112.9	.2	2.0	.0150	.091	.090	4	49.88
432	.006	2.700	3	.0	3447.7	3447.7	1.000	162.7	1574.6	1570.0	112.9	.2	2.0	.0150	.090	.090	5	49.88
433	.006	2.706	3	.0	3417.9	3417.9	1.000	162.9	1574.6	1570.0	113.1	.2	2.0	.0150	.090	.090	0	49.88
433	.006	2.706	3	.0	3418.0	3418.0	1.000	162.9	1574.6	1570.0	113.1	.2	2.0	.0150	.090	.090	1	49.88
433	.006	2.706	3	.0	3418.0	3418.0	1.000	162.9	1574.6	1570.0	113.1	.2	2.0	.0150	.090	.090	2	49.88
433	.006	2.706	3	.0	3418.0	3418.0	1.000	162.9	1574.6	1570.0	113.1	.2	2.0	.0150	.090	.090	3	49.88
433	.006	2.706	3	.0	3418.0	3418.0	1.000	162.9	1574.6	1570.0	113.1	.2	2.0	.0150	.090	.090	4	49.88
433	.006	2.706	3	.0	3418.0	3418.0	1.000	162.9	1574.6	1570.0	113.1	.2	2.0	.0150	.090	.090	5	49.88
434	.006	2.712	3	.0	3388.1	3388.1	1.000	163.1	1574.5	1570.0	113.2	.2	2.0	.0150	.090	.089	0	49.88
434	.006	2.712	3	.0	3388.1	3388.1	1.000	163.1	1574.5	1570.0	113.2	.2	2.0	.0150	.089	.089	1	49.88
434	.006	2.712	3	.0	3388.1	3388.1	1.000	163.1	1574.5	1570.0	113.2	.2	2.0	.0150	.089	.089	2	49.88
434	.006	2.712	3	.0	3388.1	3388.1	1.000	163.1	1574.5	1570.0	113.2	.2	2.0	.0150	.089	.090	3	49.88
434	.006	2.712	3	.0	3388.1	3388.1	1.000	163.1	1574.5	1570.0	113.2	.2	2.0	.0150	.090	.089	4	49.88
434	.006	2.712	3	.0	3388.1	3388.1	1.000	163.1	1574.5	1570.0	113.2	.2	2.0	.0150	.089	.089	5	49.88
435	.006	2.719	3	.0	3358.1	3358.1	1.000	163.2	1574.5	1570.0	113.4	.2	2.0	.0150	.089	.088	0	49.88
435	.006	2.719	3	.0	3358.1	3358.1	1.000	163.2	1574.5	1570.0	113.4	.2	2.0	.0150	.088	.088	1	49.88
435	.006	2.719	3	.0	3358.1	3358.1	1.000	163.2	1574.5	1570.0	113.4	.2	2.0	.0150	.088	.089	2	49.88
435	.006	2.719	3	.0	3358.1	3358.1	1.000	163.2	1574.5	1570.0	113.4	.2	2.0	.0150	.089	.088	3	49.88
435	.006	2.719	3	.0	3358.0	3358.0	1.000	163.2	1574.5	1570.0	113.4	.2	2.0	.0150	.088	.088	4	49.88
435	.006	2.719	3	.0	3358.0	3358.0	1.000	163.2	1574.5	1570.0	113.4	.2	2.0	.0150	.088	.088	5	49.88
436	.006	2.725	3	.0	3327.9	3327.9	1.000	163.4	1574.5	1570.0	113.6	.2	2.0	.0150	.088	.088	0	49.88
436	.006	2.725	3	.0	3327.9	3327.9	1.000	163.4	1574.5	1570.0	113.6	.2	1.9	.0150	.088	.088	1	49.88
436	.006	2.725	3	.0	3327.9	3327.9	1.000	163.4	1574.5	1570.0	113.6	.2	1.9	.0150	.088	.088	2	49.88
436	.006	2.725	3	.0	3327.9	3327.9	1.000	163.4	1574.5	1570.0	113.6	.2	2.0	.0150	.088	.087	3	49.88
436	.006	2.725	3	.0	3327.8	3327.8	1.000	163.4	1574.5	1570.0	113.6	.2	1.9	.0150	.087	.087	4	49.88
436	.006	2.725	3	.0	3327.8	3327.8	1.000	163.4	1574.5	1570.0	113.6	.2	1.9	.0150	.087	.087	5	49.88
[illegible]	.006	2.731	3	.0	3297.4	3297.4	1.000	163.6	1574.4	1570.0	113.8	.2	1.9	.0150	.087	.087	0	49.88
437	.006	2.731	3	.0	3297.5	3297.5	1.000	163.6	1574.4	1570.0	113.8	.2	1.9	.0150	.087	.087	1	49.88
437	.006	2.731	3	.0	3297.5	3297.5	1.000	163.6	1574.4	1570.0	113.8	.2	1.9	.0150	.087	.086	2	49.88
437	.006	2.731	3	.0	3297.5	3297.5	1.000	163.6	1574.4	1570.0	113.8	.2	1.9	.0150	.086	.086	3	49.88
437	.006	2.731	3	.0	3297.5	3297.5	1.000	163.6	1574.4	1570.0	113.8	.2	1.9	.0150	.086	.087	4	49.88

437	.006	2.731	3	.0	3297.5	3297.5	1.000	163.6	1574.4	1570.0	113.8	.2	1.9	.0150	.087	.087	5 49.88
438	.006	2.737	3	.0	3266.9	3266.9	1.000	163.8	1574.4	1570.0	113.9	.2	1.9	.0150	.087	.086	0 49.88
438	.006	2.737	3	.0	3267.0	3267.0	1.000	163.8	1574.4	1570.0	113.9	.2	1.9	.0150	.086	.086	1 49.88
[illegible]	.006	2.737	3	.0	3267.0	3267.0	1.000	163.8	1574.4	1570.0	113.9	.2	1.9	.0150	.086	.086	2 49.88
[illegible]	.006	2.737	3	.0	3267.0	3267.0	1.000	163.8	1574.4	1570.0	113.9	.2	1.9	.0150	.086	.086	3 49.88
438	.006	2.737	3	.0	3267.0	3267.0	1.000	163.8	1574.4	1570.0	113.9	.2	1.9	.0150	.086	.086	4 49.88
438	.006	2.737	3	.0	3267.0	3267.0	1.000	163.8	1574.4	1570.0	113.9	.2	1.9	.0150	.086	.086	5 49.88
439	.006	2.744	3	.0	3236.1	3236.1	1.000	163.9	1574.4	1570.0	114.1	.2	1.9	.0150	.086	.085	0 49.88
439	.006	2.744	3	.0	3236.2	3236.2	1.000	163.9	1574.4	1570.0	114.1	.2	1.9	.0150	.085	.085	1 49.88
439	.006	2.744	3	.0	3236.2	3236.2	1.000	163.9	1574.4	1570.0	114.1	.2	1.9	.0150	.085	.085	2 49.88
439	.006	2.744	3	.0	3236.2	3236.2	1.000	163.9	1574.4	1570.0	114.1	.2	1.9	.0150	.085	.085	3 49.88
439	.006	2.744	3	.0	3236.2	3236.2	1.000	163.9	1574.4	1570.0	114.1	.2	1.9	.0150	.085	.085	4 49.88
439	.006	2.744	3	.0	3236.2	3236.2	1.000	163.9	1574.4	1570.0	114.1	.2	1.9	.0150	.085	.085	5 49.88
440	.006	2.750	3	.0	3205.2	3205.2	1.000	164.1	1574.3	1570.0	114.3	.2	1.9	.0150	.085	.084	0 49.88
440	.006	2.750	3	.0	3205.1	3205.1	1.000	164.1	1574.3	1570.0	114.3	.2	1.9	.0150	.084	.084	1 49.88
440	.006	2.750	3	.0	3205.2	3205.2	1.000	164.1	1574.3	1570.0	114.3	.2	1.9	.0150	.084	.084	2 49.88
440	.006	2.750	3	.0	3205.2	3205.2	1.000	164.1	1574.3	1570.0	114.3	.2	1.9	.0150	.084	.084	3 49.88
440	.006	2.750	3	.0	3205.2	3205.2	1.000	164.1	1574.3	1570.0	114.3	.2	1.9	.0150	.084	.084	4 49.88
440	.006	2.750	3	.0	3205.2	3205.2	1.000	164.1	1574.3	1570.0	114.3	.2	1.9	.0150	.084	.084	5 49.88
441	.006	2.756	3	.0	3174.0	3174.0	1.000	164.3	1574.3	1570.0	114.4	.2	1.9	.0150	.084	.083	0 49.88
441	.006	2.756	3	.0	3174.1	3174.1	1.000	164.3	1574.3	1570.0	114.4	.2	1.9	.0150	.083	.083	1 49.88
441	.006	2.756	3	.0	3174.1	3174.1	1.000	164.3	1574.3	1570.0	114.4	.2	1.9	.0150	.083	.083	2 49.88
441	.006	2.756	3	.0	3174.1	3174.1	1.000	164.3	1574.3	1570.0	114.4	.2	1.9	.0150	.083	.083	3 49.88
441	.006	2.756	3	.0	3174.1	3174.1	1.000	164.3	1574.3	1570.0	114.4	.2	1.9	.0150	.083	.084	4 49.88
441	.006	2.756	3	.0	3174.1	3174.1	1.000	164.3	1574.3	1570.0	114.4	.2	1.9	.0150	.084	.083	5 49.88
442	.006	2.762	3	.0	3142.7	3142.7	1.000	164.4	1574.3	1570.0	114.6	.2	1.9	.0150	.084	.082	0 49.88
442	.006	2.762	3	.0	3142.8	3142.8	1.000	164.4	1574.3	1570.0	114.6	.2	1.9	.0150	.082	.082	1 49.88
442	.006	2.762	3	.0	3142.8	3142.8	1.000	164.4	1574.3	1570.0	114.6	.2	1.9	.0150	.082	.083	2 49.88
442	.006	2.762	3	.0	3142.8	3142.8	1.000	164.4	1574.3	1570.0	114.6	.2	1.9	.0150	.083	.083	3 49.88
[illegible]	.006	2.762	3	.0	3142.8	3142.8	1.000	164.4	1574.3	1570.0	114.6	.2	1.9	.0150	.083	.083	4 49.88
[illegible]	.006	2.762	3	.0	3142.8	3142.8	1.000	164.4	1574.3	1570.0	114.6	.2	1.9	.0150	.083	.082	5 49.88
443	.006	2.769	3	.0	3111.1	3111.1	1.000	164.6	1574.2	1570.0	114.8	.2	1.9	.0150	.083	.082	0 49.88
443	.006	2.769	3	.0	3111.2	3111.2	1.000	164.6	1574.2	1570.0	114.8	.2	1.9	.0150	.082	.082	1 49.88
443	.006	2.769	3	.0	3111.2	3111.2	1.000	164.6	1574.2	1570.0	114.8	.2	1.9	.0150	.082	.082	2 49.88
443	.006	2.769	3	.0	3111.2	3111.2	1.000	164.6	1574.2	1570.0	114.8	.2	1.9	.0150	.082	.081	3 49.88
443	.006	2.769	3	.0	3111.2	3111.2	1.000	164.6	1574.2	1570.0	114.8	.2	1.9	.0150	.081	.081	4 49.88
443	.006	2.769	3	.0	3111.2	3111.2	1.000	164.6	1574.2	1570.0	114.8	.2	1.9	.0150	.081	.082	5 49.88
444	.006	2.775	3	.0	3079.2	3079.2	1.000	164.8	1574.2	1570.0	114.9	.2	1.9	.0150	.081	.081	0 49.88
444	.006	2.775	3	.0	3079.3	3079.3	1.000	164.8	1574.2	1570.0	114.9	.2	1.8	.0150	.081	.081	1 49.88
444	.006	2.775	3	.0	3079.3	3079.3	1.000	164.8	1574.2	1570.0	114.9	.2	1.8	.0150	.081	.080	2 49.88
444	.006	2.775	3	.0	3079.3	3079.3	1.000	164.8	1574.2	1570.0	114.9	.2	1.8	.0150	.080	.081	3 49.88
444	.006	2.775	3	.0	3079.3	3079.3	1.000	164.8	1574.2	1570.0	114.9	.2	1.8	.0150	.081	.081	4 49.88
444	.006	2.775	3	.0	3079.3	3079.3	1.000	164.8	1574.2	1570.0	114.9	.2	1.8	.0150	.081	.081	5 49.88
445	.006	2.781	3	.0	3047.2	3047.2	1.000	164.9	1574.2	1570.0	115.1	.2	1.8	.0150	.081	.080	0 49.88
445	.006	2.781	3	.0	3047.3	3047.3	1.000	164.9	1574.2	1570.0	115.1	.2	1.8	.0150	.080	.080	1 49.88
445	.006	2.781	3	.0	3047.3	3047.3	1.000	164.9	1574.2	1570.0	115.1	.2	1.8	.0150	.080	.080	2 49.88
445	.006	2.781	3	.0	3047.3	3047.3	1.000	164.9	1574.2	1570.0	115.1	.2	1.8	.0150	.080	.080	3 49.88
445	.006	2.781	3	.0	3047.3	3047.3	1.000	164.9	1574.2	1570.0	115.1	.2	1.8	.0150	.080	.080	4 49.88
445	.006	2.781	3	.0	3047.3	3047.3	1.000	164.9	1574.2	1570.0	115.1	.2	1.8	.0150	.080	.080	5 49.88
446	.006	2.787	3	.0	3015.0	3015.0	1.000	165.1	1574.2	1570.0	115.2	.2	1.8	.0150	.080	.079	0 49.88
446	.006	2.787	3	.0	3015.1	3015.1	1.000	165.1	1574.2	1570.0	115.2	.2	1.8	.0150	.079	.079	1 49.88
446	.006	2.787	3	.0	3015.1	3015.1	1.000	165.1	1574.2	1570.0	115.2	.2	1.8	.0150	.079	.079	2 49.88
446	.006	2.787	3	.0	3015.1	3015.1	1.000	165.1	1574.2	1570.0	115.2	.2	1.8	.0150	.079	.079	3 49.88
446	.006	2.787	3	.0	3015.1	3015.1	1.000	165.1	1574.2	1570.0	115.2	.2	1.8	.0150	.079	.079	4 49.88
446	.006	2.787	3	.0	3015.1	3015.1	1.000	165.1	1574.2	1570.0	115.2	.2	1.8	.0150	.079	.079	5 49.88
[illegible]	.006	2.794	3	.0	2982.6	2982.6	1.000	165.2	1574.1	1570.0	115.4	.2	1.8	.0150	.079	.078	0 49.88
[illegible]	.006	2.794	3	.0	2982.7	2982.7	1.000	165.2	1574.1	1570.0	115.4	.2	1.8	.0150	.078	.078	1 49.88
447	.006	2.794	3	.0	2982.7	2982.7	1.000	165.2	1574.1	1570.0	115.4	.2	1.8	.0150	.078	.078	2 49.88
447	.006	2.794	3	.0	2982.7	2982.7	1.000	165.2	1574.1	1570.0	115.4	.2	1.8	.0150	.078	.078	3 49.88
447	.006	2.794	3	.0	2982.7	2982.7	1.000	165.2	1574.1	1570.0	115.4	.2	1.8	.0150	.078	.078	4 49.88

447	.006	2.794	3	.0	2982.7	2982.7	1.000	165.2	1574.1	1570.0	115.4	.2	1.8	.0150	.078	.078	5 49.88
448	.006	2.800	3	.0	2949.8	2949.8	1.000	165.4	1574.1	1570.0	115.6	.2	1.8	.0150	.078	.077	0 49.88
448	.006	2.800	3	.0	2949.9	2949.9	1.000	165.4	1574.1	1570.0	115.6	.2	1.8	.0150	.077	.078	1 49.88
[illegible]	.006	2.800	3	.0	2950.0	2950.0	1.000	165.4	1574.1	1570.0	115.6	.2	1.8	.0150	.078	.078	2 49.88
[illegible]	.006	2.800	3	.0	2950.0	2950.0	1.000	165.4	1574.1	1570.0	115.6	.2	1.8	.0150	.078	.077	3 49.88
448	.006	2.800	3	.0	2949.9	2949.9	1.000	165.4	1574.1	1570.0	115.6	.2	1.8	.0150	.077	.077	4 49.88
448	.006	2.800	3	.0	2949.9	2949.9	1.000	165.4	1574.1	1570.0	115.6	.2	1.8	.0150	.077	.077	5 49.88
449	.006	2.806	3	.0	2916.8	2916.8	1.000	165.5	1574.1	1570.0	115.7	.2	1.8	.0150	.077	.077	0 49.88
449	.006	2.806	3	.0	2917.0	2917.0	1.000	165.5	1574.1	1570.0	115.7	.2	1.8	.0150	.077	.076	1 49.88
449	.006	2.806	3	.0	2916.9	2916.9	1.000	165.5	1574.1	1570.0	115.7	.2	1.8	.0150	.076	.076	2 49.88
449	.006	2.806	3	.0	2916.9	2916.9	1.000	165.5	1574.1	1570.0	115.7	.2	1.8	.0150	.076	.076	3 49.88
449	.006	2.806	3	.0	2916.9	2916.9	1.000	165.5	1574.1	1570.0	115.7	.2	1.8	.0150	.076	.076	4 49.88
449	.006	2.806	3	.0	2916.9	2916.9	1.000	165.5	1574.1	1570.0	115.7	.2	1.8	.0150	.076	.077	5 49.88
450	.006	2.812	3	.0	2883.6	2883.6	1.000	165.7	1574.0	1570.0	115.9	.2	1.8	.0150	.076	.075	0 49.88

Step I	Time Step (hr) DTH	Elpse Time (hr) T	Fail Code KG	Spillway Outflow (cfs) QTS	Breach Outflow (cfs) QB	Total Outflow (cfs) QTOT	Sbmrg Crctn Factr SUB	Brech Top Width (ft) BT	Rsrvor W. S. Elev. (ft - MSL) HY	Breach Bottom Elev. (ft - MSL) HC	Brech Bottm Width (ft) BO	Breach Width Incres (ft) PPP	Breach Flow Depth (ft) HP	Brech Manig (n) CNN	Estmte Erosin Depth Incrse (ft) DH	Comput Erosin Depth Incrse (ft) DHH	Itrtn Count KIT	Brech Vrtcl Side Angle (deg) ALG
450	.006	2.812	3	.0	2883.7	2883.7	1.000	165.7	1574.0	1570.0	115.9	.2	1.8	.0150	.075	.075	1	49.88
450	.006	2.812	3	.0	2883.7	2883.7	1.000	165.7	1574.0	1570.0	115.9	.2	1.8	.0150	.075	.076	2	49.88
450	.006	2.812	3	.0	2883.7	2883.7	1.000	165.7	1574.0	1570.0	115.9	.2	1.8	.0150	.076	.076	3	49.88
450	.006	2.812	3	.0	2883.7	2883.7	1.000	165.7	1574.0	1570.0	115.9	.2	1.8	.0150	.076	.076	4	49.88
450	.006	2.812	3	.0	2883.7	2883.7	1.000	165.7	1574.0	1570.0	115.9	.2	1.8	.0150	.076	.075	5	49.88
451	.006	2.819	3	.0	2850.2	2850.2	1.000	165.8	1574.0	1570.0	116.0	.2	1.8	.0150	.076	.075	0	49.88
451	.006	2.819	3	.0	2850.3	2850.3	1.000	165.8	1574.0	1570.0	116.0	.1	1.8	.0150	.075	.075	1	49.88
451	.006	2.819	3	.0	2850.3	2850.3	1.000	165.8	1574.0	1570.0	116.0	.1	1.8	.0150	.075	.075	2	49.88
451	.006	2.819	3	.0	2850.3	2850.3	1.000	165.8	1574.0	1570.0	116.0	.1	1.8	.0150	.075	.074	3	49.88
451	.006	2.819	3	.0	2850.2	2850.2	1.000	165.8	1574.0	1570.0	116.0	.1	1.7	.0150	.074	.074	4	49.88
451	.006	2.819	3	.0	2850.2	2850.2	1.000	165.8	1574.0	1570.0	116.0	.1	1.7	.0150	.074	.075	5	49.88
452	.006	2.825	3	.0	2816.8	2816.8	1.000	166.0	1574.0	1570.0	116.2	.1	1.7	.0150	.074	.074	0	49.88
452	.006	2.825	3	.0	2817.0	2817.0	1.000	166.0	1574.0	1570.0	116.2	.1	1.7	.0150	.074	.073	1	49.88
452	.006	2.825	3	.0	2816.9	2816.9	1.000	166.0	1574.0	1570.0	116.2	.1	1.7	.0150	.073	.073	2	49.88
452	.006	2.825	3	.0	2816.9	2816.9	1.000	166.0	1574.0	1570.0	116.2	.1	1.7	.0150	.073	.074	3	49.88
[illegible]	.006	2.825	3	.0	2816.9	2816.9	1.000	166.0	1574.0	1570.0	116.2	.1	1.7	.0150	.074	.074	4	49.88
[illegible]	.006	2.825	3	.0	2816.9	2816.9	1.000	166.0	1574.0	1570.0	116.2	.1	1.7	.0150	.074	.074	5	49.88
453	.006	2.831	3	.0	2783.6	2783.6	1.000	166.1	1573.9	1570.0	116.3	.1	1.7	.0150	.074	.073	0	49.88
453	.006	2.831	3	.0	2783.7	2783.7	1.000	166.1	1573.9	1570.0	116.3	.1	1.7	.0150	.073	.073	1	49.88
453	.006	2.831	3	.0	2783.7	2783.7	1.000	166.1	1573.9	1570.0	116.3	.1	1.7	.0150	.073	.073	2	49.88
453	.006	2.831	3	.0	2783.7	2783.7	1.000	166.1	1573.9	1570.0	116.3	.1	1.7	.0150	.073	.073	3	49.88
453	.006	2.831	3	.0	2783.7	2783.7	1.000	166.1	1573.9	1570.0	116.3	.1	1.7	.0150	.073	.073	4	49.88
453	.006	2.831	3	.0	2783.7	2783.7	1.000	166.1	1573.9	1570.0	116.3	.1	1.7	.0150	.073	.072	5	49.88
454	.006	2.837	3	.0	2750.5	2750.5	1.000	166.3	1573.9	1570.0	116.4	.1	1.7	.0150	.073	.072	0	49.88
454	.006	2.837	3	.0	2750.8	2750.8	1.000	166.3	1573.9	1570.0	116.4	.1	1.7	.0150	.072	.072	1	49.88
454	.006	2.837	3	.0	2750.8	2750.8	1.000	166.3	1573.9	1570.0	116.4	.1	1.7	.0150	.072	.072	2	49.88
454	.006	2.837	3	.0	2750.8	2750.8	1.000	166.3	1573.9	1570.0	116.4	.1	1.7	.0150	.072	.072	3	49.88
454	.006	2.837	3	.0	2750.7	2750.7	1.000	166.3	1573.9	1570.0	116.4	.1	1.7	.0150	.072	.071	4	49.88
454	.006	2.837	3	.0	2750.7	2750.7	1.000	166.3	1573.9	1570.0	116.4	.1	1.7	.0150	.071	.073	5	49.88
455	.006	2.844	3	.0	2717.7	2717.7	1.000	166.4	1573.8	1570.0	116.6	.1	1.7	.0150	.071	.071	0	49.88
456	.006	2.850	3	.0	2684.8	2684.8	1.000	166.6	1573.8	1570.0	116.7	.1	1.7	.0150	.071	.070	0	49.88
456	.006	2.850	3	.0	2684.8	2684.8	1.000	166.6	1573.8	1570.0	116.7	.1	1.7	.0150	.070	.070	1	49.88
456	.006	2.850	3	.0	2684.8	2684.8	1.000	166.6	1573.8	1570.0	116.7	.1	1.7	.0150	.070	.071	2	49.88
456	.006	2.850	3	.0	2684.9	2684.9	1.000	166.6	1573.8	1570.0	116.7	.1	1.7	.0150	.071	.070	3	49.88
456	.006	2.850	3	.0	2684.9	2684.9	1.000	166.6	1573.8	1570.0	116.7	.1	1.7	.0150	.070	.070	4	49.88
456	.006	2.850	3	.0	2684.9	2684.9	1.000	166.6	1573.8	1570.0	116.7	.1	1.7	.0150	.070	.070	5	49.88
457	.006	2.856	3	.0	2652.2	2652.2	1.000	166.7	1573.8	1570.0	116.9	.1	1.7	.0150	.070	.070	0	49.88
457	.006	2.856	3	.0	2652.5	2652.5	1.000	166.7	1573.8	1570.0	116.9	.1	1.7	.0150	.070	.070	1	49.88
457	.006	2.856	3	.0	2652.5	2652.5	1.000	166.7	1573.8	1570.0	116.9	.1	1.7	.0150	.070	.069	2	49.88
457	.006	2.856	3	.0	2652.4	2652.4	1.000	166.7	1573.8	1570.0	116.9	.1	1.7	.0150	.069	.069	3	49.88
457	.006	2.856	3	.0	2652.4	2652.4	1.000	166.7	1573.8	1570.0	116.9	.1	1.7	.0150	.069	.069	4	49.88
[illegible]	.006	2.856	3	.0	2652.4	2652.4	1.000	166.7	1573.8	1570.0	116.9	.1	1.7	.0150	.069	.069	5	49.88
[illegible]	.006	2.862	3	.0	2620.0	2620.0	1.000	166.8	1573.7	1570.0	117.0	.1	1.7	.0150	.069	.069	0	49.88
458	.006	2.862	3	.0	2620.1	2620.1	1.000	166.8	1573.8	1570.0	117.0	.1	1.7	.0150	.069	.068	1	49.88
458	.006	2.862	3	.0	2620.1	2620.1	1.000	166.8	1573.8	1570.0	117.0	.1	1.7	.0150	.068	.068	2	49.88
458	.006	2.862	3	.0	2620.1	2620.1	1.000	166.8	1573.8	1570.0	117.0	.1	1.7	.0150	.068	.068	3	49.88

458	.006	2.862	3	.0	2620.0	2620.0	1.000	166.8	1573.8	1570.0	117.0	.1	1.6	.0150	.068	.069	4	49.88
458	.006	2.862	3	.0	2620.1	2620.1	1.000	166.8	1573.8	1570.0	117.0	.1	1.7	.0150	.069	.069	5	49.88
459	.006	2.869	3	.0	2587.8	2587.8	1.000	167.0	1573.7	1570.0	117.1	.1	1.7	.0150	.069	.067	0	49.88
[illegible]	.006	2.869	3	.0	2588.0	2588.0	1.000	167.0	1573.7	1570.0	117.1	.1	1.6	.0150	.067	.067	1	49.88
459	.006	2.869	3	.0	2588.0	2588.0	1.000	167.0	1573.7	1570.0	117.1	.1	1.6	.0150	.067	.068	2	49.88
459	.006	2.869	3	.0	2588.1	2588.1	1.000	167.0	1573.7	1570.0	117.1	.1	1.7	.0150	.068	.068	3	49.88
459	.006	2.869	3	.0	2588.1	2588.1	1.000	167.0	1573.7	1570.0	117.1	.1	1.6	.0150	.068	.068	4	49.88
459	.006	2.869	3	.0	2588.0	2588.0	1.000	167.0	1573.7	1570.0	117.1	.1	1.6	.0150	.068	.067	5	49.88
460	.006	2.875	3	.0	2556.0	2556.0	1.000	167.1	1573.7	1570.0	117.3	.1	1.6	.0150	.068	.067	0	49.88
460	.006	2.875	3	.0	2556.1	2556.1	1.000	167.1	1573.7	1570.0	117.3	.1	1.6	.0150	.067	.067	1	49.88
460	.006	2.875	3	.0	2556.1	2556.1	1.000	167.1	1573.7	1570.0	117.3	.1	1.6	.0150	.067	.067	2	49.88
460	.006	2.875	3	.0	2556.1	2556.1	1.000	167.1	1573.7	1570.0	117.3	.1	1.6	.0150	.067	.067	3	49.88
460	.006	2.875	3	.0	2556.0	2556.0	1.000	167.1	1573.7	1570.0	117.3	.1	1.6	.0150	.067	.066	4	49.88
460	.006	2.875	3	.0	2556.0	2556.0	1.000	167.1	1573.7	1570.0	117.3	.1	1.6	.0150	.066	.066	5	49.88
461	.006	2.881	3	.0	2524.3	2524.3	1.000	167.2	1573.7	1570.0	117.4	.1	1.6	.0150	.066	.066	0	49.88
461	.006	2.881	3	.0	2524.4	2524.4	1.000	167.2	1573.7	1570.0	117.4	.1	1.6	.0150	.066	.066	1	49.88
461	.006	2.881	3	.0	2524.4	2524.4	1.000	167.2	1573.7	1570.0	117.4	.1	1.6	.0150	.066	.066	2	49.88
461	.006	2.881	3	.0	2524.4	2524.4	1.000	167.2	1573.7	1570.0	117.4	.1	1.6	.0150	.066	.065	3	49.88
461	.006	2.881	3	.0	2524.3	2524.3	1.000	167.2	1573.7	1570.0	117.4	.1	1.6	.0150	.065	.066	4	49.88
461	.006	2.881	3	.0	2524.4	2524.4	1.000	167.2	1573.7	1570.0	117.4	.1	1.6	.0150	.066	.066	5	49.88
462	.006	2.887	3	.0	2492.8	2492.8	1.000	167.4	1573.6	1570.0	117.5	.1	1.6	.0150	.066	.065	0	49.88
462	.006	2.887	3	.0	2492.9	2492.9	1.000	167.4	1573.6	1570.0	117.5	.1	1.6	.0150	.065	.065	1	49.88
462	.006	2.887	3	.0	2492.9	2492.9	1.000	167.4	1573.6	1570.0	117.5	.1	1.6	.0150	.065	.066	2	49.88
462	.006	2.887	3	.0	2492.9	2492.9	1.000	167.4	1573.6	1570.0	117.5	.1	1.6	.0150	.066	.065	3	49.88
462	.006	2.887	3	.0	2492.9	2492.9	1.000	167.4	1573.6	1570.0	117.5	.1	1.6	.0150	.065	.065	4	49.88
462	.006	2.887	3	.0	2492.9	2492.9	1.000	167.4	1573.6	1570.0	117.5	.1	1.6	.0150	.065	.065	5	49.88
463	.006	2.894	3	.0	2461.5	2461.5	1.000	167.5	1573.6	1570.0	117.7	.1	1.6	.0150	.065	.064	0	49.88
463	.006	2.894	3	.0	2461.6	2461.6	1.000	167.5	1573.6	1570.0	117.7	.1	1.6	.0150	.064	.065	1	49.88
463	.006	2.894	3	.0	2461.6	2461.6	1.000	167.5	1573.6	1570.0	117.7	.1	1.6	.0150	.065	.064	2	49.88
[illegible]	.006	2.894	3	.0	2461.6	2461.6	1.000	167.5	1573.6	1570.0	117.7	.1	1.6	.0150	.064	.064	3	49.88
[illegible]	.006	2.894	3	.0	2461.6	2461.6	1.000	167.5	1573.6	1570.0	117.7	.1	1.6	.0150	.064	.064	4	49.88
463	.006	2.894	3	.0	2461.6	2461.6	1.000	167.5	1573.6	1570.0	117.7	.1	1.6	.0150	.064	.064	5	49.88
464	.006	2.900	3	.0	2430.4	2430.4	1.000	167.6	1573.6	1570.0	117.8	.1	1.6	.0150	.064	.064	0	49.88
464	.006	2.900	3	.0	2430.5	2430.5	1.000	167.6	1573.6	1570.0	117.8	.1	1.6	.0150	.064	.063	1	49.88
464	.006	2.900	3	.0	2430.5	2430.5	1.000	167.6	1573.6	1570.0	117.8	.1	1.6	.0150	.063	.063	2	49.88
464	.006	2.900	3	.0	2430.5	2430.5	1.000	167.6	1573.6	1570.0	117.8	.1	1.6	.0150	.063	.063	3	49.88
464	.006	2.900	3	.0	2430.5	2430.5	1.000	167.6	1573.6	1570.0	117.8	.1	1.6	.0150	.063	.063	4	49.88
464	.006	2.900	3	.0	2430.4	2430.4	1.000	167.6	1573.6	1570.0	117.8	.1	1.6	.0150	.063	.064	5	49.88
465	.006	2.906	3	.0	2399.4	2399.4	1.000	167.7	1573.5	1570.0	117.9	.1	1.6	.0150	.063	.062	0	49.88
465	.006	2.906	3	.0	2399.6	2399.6	1.000	167.7	1573.5	1570.0	117.9	.1	1.6	.0150	.062	.062	1	49.88
465	.006	2.906	3	.0	2399.6	2399.6	1.000	167.7	1573.5	1570.0	117.9	.1	1.6	.0150	.062	.062	2	49.88
465	.006	2.906	3	.0	2399.6	2399.6	1.000	167.7	1573.5	1570.0	117.9	.1	1.6	.0150	.062	.063	3	49.88
465	.006	2.906	3	.0	2399.7	2399.7	1.000	167.7	1573.5	1570.0	117.9	.1	1.6	.0150	.063	.063	4	49.88
465	.006	2.906	3	.0	2399.7	2399.7	1.000	167.7	1573.5	1570.0	117.9	.1	1.6	.0150	.063	.063	5	49.88
466	.006	2.912	3	.0	2368.8	2368.8	1.000	167.9	1573.5	1570.0	118.0	.1	1.6	.0150	.063	.061	0	49.88
466	.006	2.912	3	.0	2368.9	2368.9	1.000	167.9	1573.5	1570.0	118.0	.1	1.5	.0150	.061	.062	1	49.88
466	.006	2.912	3	.0	2368.9	2368.9	1.000	167.9	1573.5	1570.0	118.0	.1	1.6	.0150	.062	.062	2	49.88
466	.006	2.912	3	.0	2368.9	2368.9	1.000	167.9	1573.5	1570.0	118.0	.1	1.6	.0150	.062	.062	3	49.88
466	.006	2.912	3	.0	2368.9	2368.9	1.000	167.9	1573.5	1570.0	118.0	.1	1.6	.0150	.062	.062	4	49.88
466	.006	2.912	3	.0	2368.9	2368.9	1.000	167.9	1573.5	1570.0	118.0	.1	1.5	.0150	.062	.061	5	49.88
467	.006	2.919	3	.0	2338.4	2338.4	1.000	168.0	1573.5	1570.0	118.2	.1	1.5	.0150	.062	.061	0	49.88
467	.006	2.919	3	.0	2338.5	2338.5	1.000	168.0	1573.5	1570.0	118.2	.1	1.5	.0150	.061	.061	1	49.88
467	.006	2.919	3	.0	2338.5	2338.5	1.000	168.0	1573.5	1570.0	118.2	.1	1.5	.0150	.061	.061	2	49.88
467	.006	2.919	3	.0	2338.5	2338.5	1.000	168.0	1573.5	1570.0	118.2	.1	1.5	.0150	.061	.061	3	49.88
467	.006	2.919	3	.0	2338.5	2338.5	1.000	168.0	1573.5	1570.0	118.2	.1	1.5	.0150	.061	.060	4	49.88
[illegible]	.006	2.919	3	.0	2338.5	2338.5	1.000	168.0	1573.5	1570.0	118.2	.1	1.5	.0150	.060	.061	5	49.88
[illegible]	.006	2.925	3	.0	2308.2	2308.2	1.000	168.1	1573.4	1570.0	118.3	.1	1.5	.0150	.060	.060	0	49.88
468	.006	2.925	3	.0	2308.3	2308.3	1.000	168.1	1573.4	1570.0	118.3	.1	1.5	.0150	.060	.060	1	49.88
468	.006	2.925	3	.0	2308.3	2308.3	1.000	168.1	1573.4	1570.0	118.3	.1	1.5	.0150	.060	.060	2	49.88
468	.006	2.925	3	.0	2308.2	2308.2	1.000	168.1	1573.4	1570.0	118.3	.1	1.5	.0150	.060	.059	3	49.88

468	.006	2.925	3	.0	2308.2	2308.2	1.000	168.1	1573.4	1570.0	118.3	.1	1.5	.0150	.059	.060	4	49.88
468	.006	2.925	3	.0	2308.3	2308.3	1.000	168.1	1573.4	1570.0	118.3	.1	1.5	.0150	.060	.060	5	49.88
469	.006	2.931	3	.0	2278.2	2278.2	1.000	168.2	1573.4	1570.0	118.4	.1	1.5	.0150	.060	.059	0	49.88
[illegible]	.006	2.931	3	.0	2278.2	2278.2	1.000	168.2	1573.4	1570.0	118.4	.1	1.5	.0150	.059	.059	1	49.88
[illegible]	.006	2.931	3	.0	2278.2	2278.2	1.000	168.2	1573.4	1570.0	118.4	.1	1.5	.0150	.059	.060	2	49.88
469	.006	2.931	3	.0	2278.3	2278.3	1.000	168.2	1573.4	1570.0	118.4	.1	1.5	.0150	.060	.060	3	49.88
469	.006	2.931	3	.0	2278.3	2278.3	1.000	168.2	1573.4	1570.0	118.4	.1	1.5	.0150	.060	.059	4	49.88
469	.006	2.931	3	.0	2278.2	2278.2	1.000	168.2	1573.4	1570.0	118.4	.1	1.5	.0150	.059	.059	5	49.88
470	.006	2.937	3	.0	2248.3	2248.3	1.000	168.3	1573.4	1570.0	118.5	.1	1.5	.0150	.059	.059	0	49.88
470	.006	2.937	3	.0	2248.6	2248.6	1.000	168.3	1573.4	1570.0	118.5	.1	1.5	.0150	.059	.059	1	49.88
470	.006	2.937	3	.0	2248.5	2248.5	1.000	168.3	1573.4	1570.0	118.5	.1	1.5	.0150	.059	.059	2	49.88
470	.006	2.937	3	.0	2248.5	2248.5	1.000	168.3	1573.4	1570.0	118.5	.1	1.5	.0150	.059	.058	3	49.88
470	.006	2.937	3	.0	2248.5	2248.5	1.000	168.3	1573.4	1570.0	118.5	.1	1.5	.0150	.058	.058	4	49.88
470	.006	2.937	3	.0	2248.5	2248.5	1.000	168.3	1573.4	1570.0	118.5	.1	1.5	.0150	.058	.058	5	49.88
471	.006	2.944	3	.0	2218.8	2218.8	1.000	168.5	1573.3	1570.0	118.6	.1	1.5	.0150	.058	.058	0	49.88
471	.006	2.944	3	.0	2218.9	2218.9	1.000	168.5	1573.3	1570.0	118.6	.1	1.5	.0150	.058	.058	1	49.88
471	.006	2.944	3	.0	2219.0	2219.0	1.000	168.5	1573.3	1570.0	118.6	.1	1.5	.0150	.058	.057	2	49.88
471	.006	2.944	3	.0	2219.0	2219.0	1.000	168.5	1573.3	1570.0	118.6	.1	1.5	.0150	.057	.057	3	49.88
471	.006	2.944	3	.0	2219.0	2219.0	1.000	168.5	1573.3	1570.0	118.6	.1	1.5	.0150	.057	.058	4	49.88
471	.006	2.944	3	.0	2219.0	2219.0	1.000	168.5	1573.3	1570.0	118.6	.1	1.5	.0150	.058	.058	5	49.88
472	.006	2.950	3	.0	2189.5	2189.5	1.000	168.6	1573.3	1570.0	118.7	.1	1.5	.0150	.058	.057	0	49.88
472	.006	2.950	3	.0	2189.7	2189.7	1.000	168.6	1573.3	1570.0	118.7	.1	1.5	.0150	.057	.057	1	49.88
472	.006	2.950	3	.0	2189.7	2189.7	1.000	168.6	1573.3	1570.0	118.7	.1	1.5	.0150	.057	.056	2	49.88
472	.006	2.950	3	.0	2189.7	2189.7	1.000	168.6	1573.3	1570.0	118.7	.1	1.5	.0150	.056	.057	3	49.88
472	.006	2.950	3	.0	2189.7	2189.7	1.000	168.6	1573.3	1570.0	118.7	.1	1.5	.0150	.057	.057	4	49.88
472	.006	2.950	3	.0	2189.7	2189.7	1.000	168.6	1573.3	1570.0	118.7	.1	1.5	.0150	.057	.057	5	49.88
473	.006	2.956	3	.0	2160.5	2160.5	1.000	168.7	1573.3	1570.0	118.9	.1	1.5	.0150	.057	.056	0	49.88
473	.006	2.956	3	.0	2160.6	2160.6	1.000	168.7	1573.3	1570.0	118.9	.1	1.5	.0150	.056	.057	1	49.88
473	.006	2.956	3	.0	2160.6	2160.6	1.000	168.7	1573.3	1570.0	118.9	.1	1.5	.0150	.057	.056	2	49.88
[illegible]	.006	2.956	3	.0	2160.6	2160.6	1.000	168.7	1573.3	1570.0	118.9	.1	1.5	.0150	.056	.056	3	49.88
[illegible]	.006	2.956	3	.0	2160.6	2160.6	1.000	168.7	1573.3	1570.0	118.9	.1	1.5	.0150	.056	.056	4	49.88
473	.006	2.956	3	.0	2160.6	2160.6	1.000	168.7	1573.3	1570.0	118.9	.1	1.5	.0150	.056	.056	5	49.88
474	.006	2.962	3	.0	2131.5	2131.5	1.000	168.8	1573.2	1570.0	119.0	.1	1.5	.0150	.056	.056	0	49.88
474	.006	2.962	3	.0	2131.8	2131.8	1.000	168.8	1573.2	1570.0	119.0	.1	1.5	.0150	.056	.056	1	49.88
474	.006	2.962	3	.0	2131.8	2131.8	1.000	168.8	1573.2	1570.0	119.0	.1	1.5	.0150	.056	.055	2	49.88
474	.006	2.962	3	.0	2131.8	2131.8	1.000	168.8	1573.2	1570.0	119.0	.1	1.4	.0150	.055	.055	3	49.88
474	.006	2.962	3	.0	2131.8	2131.8	1.000	168.8	1573.2	1570.0	119.0	.1	1.4	.0150	.055	.055	4	49.88
474	.006	2.962	3	.0	2131.8	2131.8	1.000	168.8	1573.2	1570.0	119.0	.1	1.4	.0150	.055	.055	5	49.88
475	.006	2.969	3	.0	2103.0	2103.0	1.000	168.9	1573.2	1570.0	119.1	.1	1.4	.0150	.055	.055	0	49.88
475	.006	2.969	3	.0	2103.1	2103.1	1.000	168.9	1573.2	1570.0	119.1	.1	1.4	.0150	.055	.054	1	49.88
475	.006	2.969	3	.0	2103.1	2103.1	1.000	168.9	1573.2	1570.0	119.1	.1	1.4	.0150	.054	.054	2	49.88
475	.006	2.969	3	.0	2103.1	2103.1	1.000	168.9	1573.2	1570.0	119.1	.1	1.4	.0150	.054	.054	3	49.88
475	.006	2.969	3	.0	2103.1	2103.1	1.000	168.9	1573.2	1570.0	119.1	.1	1.4	.0150	.054	.055	4	49.88
475	.006	2.969	3	.0	2103.2	2103.2	1.000	168.9	1573.2	1570.0	119.1	.1	1.4	.0150	.055	.055	5	49.88
476	.006	2.975	3	.0	2074.7	2074.7	1.000	169.0	1573.2	1570.0	119.2	.1	1.4	.0150	.055	.054	0	49.88
476	.006	2.975	3	.0	2074.9	2074.9	1.000	169.0	1573.2	1570.0	119.2	.1	1.4	.0150	.054	.053	1	49.88
476	.006	2.975	3	.0	2074.8	2074.8	1.000	169.0	1573.2	1570.0	119.2	.1	1.4	.0150	.053	.054	2	49.88
476	.006	2.975	3	.0	2074.9	2074.9	1.000	169.0	1573.2	1570.0	119.2	.1	1.4	.0150	.054	.054	3	49.88
476	.006	2.975	3	.0	2074.9	2074.9	1.000	169.0	1573.2	1570.0	119.2	.1	1.4	.0150	.054	.054	4	49.88
476	.006	2.975	3	.0	2074.9	2074.9	1.000	169.0	1573.2	1570.0	119.2	.1	1.4	.0150	.054	.054	5	49.88
477	.006	2.981	3	.0	2046.6	2046.6	1.000	169.1	1573.1	1570.0	119.3	.1	1.4	.0150	.054	.053	0	49.88
477	.006	2.981	3	.0	2046.6	2046.6	1.000	169.1	1573.1	1570.0	119.3	.1	1.4	.0150	.053	.053	1	49.88
477	.006	2.981	3	.0	2046.7	2046.7	1.000	169.1	1573.1	1570.0	119.3	.1	1.4	.0150	.053	.053	2	49.88
477	.006	2.981	3	.0	2046.7	2046.7	1.000	169.1	1573.1	1570.0	119.3	.1	1.4	.0150	.053	.053	3	49.88
477	.006	2.981	3	.0	2046.6	2046.6	1.000	169.1	1573.1	1570.0	119.3	.1	1.4	.0150	.053	.053	4	49.88
[illegible]	.006	2.981	3	.0	2046.6	2046.6	1.000	169.1	1573.1	1570.0	119.3	.1	1.4	.0150	.053	.053	5	49.88
[illegible]	.006	2.987	3	.0	2018.6	2018.6	1.000	169.2	1573.1	1570.0	119.4	.1	1.4	.0150	.053	.053	0	49.88
478	.006	2.987	3	.0	2018.9	2018.9	1.000	169.2	1573.1	1570.0	119.4	.1	1.4	.0150	.053	.052	1	49.88
478	.006	2.987	3	.0	2018.9	2018.9	1.000	169.2	1573.1	1570.0	119.4	.1	1.4	.0150	.052	.052	2	49.88
478	.006	2.987	3	.0	2018.9	2018.9	1.000	169.2	1573.1	1570.0	119.4	.1	1.4	.0150	.052	.052	3	49.88

478	.006	2.987	3	.0	2018.9	2018.9	1.000	169.2	1573.1	1570.0	119.4	.1	1.4	.0150	.052	.052	4	49.88
478	.006	2.987	3	.0	2018.8	2018.8	1.000	169.2	1573.1	1570.0	119.4	.1	1.4	.0150	.052	.053	5	49.88
479	.006	2.994	3	.0	1991.0	1991.0	1.000	169.3	1573.1	1570.0	119.5	.1	1.4	.0150	.052	.052	0	49.88
[illegible]	.006	2.994	3	.0	1991.3	1991.3	1.000	169.3	1573.1	1570.0	119.5	.1	1.4	.0150	.052	.051	1	49.88
[illegible]	.006	2.994	3	.0	1991.3	1991.3	1.000	169.3	1573.1	1570.0	119.5	.1	1.4	.0150	.051	.051	2	49.88
479	.006	2.994	3	.0	1991.3	1991.3	1.000	169.3	1573.1	1570.0	119.5	.1	1.4	.0150	.051	.051	3	49.88
479	.006	2.994	3	.0	1991.2	1991.2	1.000	169.3	1573.1	1570.0	119.5	.1	1.4	.0150	.051	.052	4	49.88
479	.006	2.994	3	.0	1991.3	1991.3	1.000	169.3	1573.1	1570.0	119.5	.1	1.4	.0150	.052	.052	5	49.88
480	.006	3.000	3	.0	1963.8	1963.8	1.000	169.4	1573.1	1570.0	119.6	.1	1.4	.0150	.052	.051	0	49.88
480	.006	3.000	3	.0	1963.9	1963.9	1.000	169.4	1573.1	1570.0	119.6	.1	1.4	.0150	.051	.050	1	49.88
480	.006	3.000	3	.0	1963.9	1963.9	1.000	169.4	1573.1	1570.0	119.6	.1	1.4	.0150	.050	.051	2	49.88
480	.006	3.000	3	.0	1963.9	1963.9	1.000	169.4	1573.1	1570.0	119.6	.1	1.4	.0150	.051	.051	3	49.88
480	.006	3.000	3	.0	1963.9	1963.9	1.000	169.4	1573.1	1570.0	119.6	.1	1.4	.0150	.051	.051	4	49.88
480	.006	3.000	3	.0	1963.9	1963.9	1.000	169.4	1573.1	1570.0	119.6	.1	1.4	.0150	.051	.051	5	49.88
481	.006	3.006	3	.0	1936.7	1936.7	1.000	169.5	1573.0	1570.0	119.7	.1	1.4	.0150	.051	.050	0	49.88
481	.006	3.006	3	.0	1936.8	1936.8	1.000	169.5	1573.0	1570.0	119.7	.1	1.4	.0150	.050	.050	1	49.88
481	.006	3.006	3	.0	1936.8	1936.8	1.000	169.5	1573.0	1570.0	119.7	.1	1.4	.0150	.050	.050	2	49.88
481	.006	3.006	3	.0	1936.8	1936.8	1.000	169.5	1573.0	1570.0	119.7	.1	1.4	.0150	.050	.050	3	49.88
481	.006	3.006	3	.0	1936.8	1936.8	1.000	169.5	1573.0	1570.0	119.7	.1	1.4	.0150	.050	.050	4	49.88
481	.006	3.006	3	.0	1936.8	1936.8	1.000	169.5	1573.0	1570.0	119.7	.1	1.4	.0150	.050	.050	5	49.88
482	.006	3.012	3	.0	1909.9	1909.9	1.000	169.6	1573.0	1570.0	119.8	.1	1.4	.0150	.050	.050	0	49.88
482	.006	3.012	3	.0	1910.1	1910.1	1.000	169.6	1573.0	1570.0	119.8	.1	1.4	.0150	.050	.049	1	49.88
482	.006	3.012	3	.0	1910.1	1910.1	1.000	169.6	1573.0	1570.0	119.8	.1	1.4	.0150	.049	.049	2	49.88
482	.006	3.012	3	.0	1910.1	1910.1	1.000	169.6	1573.0	1570.0	119.8	.1	1.3	.0150	.049	.049	3	49.88
482	.006	3.012	3	.0	1910.1	1910.1	1.000	169.6	1573.0	1570.0	119.8	.1	1.3	.0150	.049	.049	4	49.88
482	.006	3.012	3	.0	1910.1	1910.1	1.000	169.6	1573.0	1570.0	119.8	.1	1.3	.0150	.049	.050	5	49.88
483	.006	3.019	3	.0	1883.3	1883.3	1.000	169.7	1573.0	1570.0	119.9	.1	1.4	.0150	.049	.049	0	49.88
483	.006	3.019	3	.0	1883.5	1883.5	1.000	169.7	1573.0	1570.0	119.9	.1	1.3	.0150	.049	.049	1	49.88
483	.006	3.019	3	.0	1883.5	1883.5	1.000	169.7	1573.0	1570.0	119.9	.1	1.3	.0150	.049	.048	2	49.88
[illegible]	.006	3.019	3	.0	1883.5	1883.5	1.000	169.7	1573.0	1570.0	119.9	.1	1.3	.0150	.048	.049	3	49.88
[illegible]	.006	3.019	3	.0	1883.5	1883.5	1.000	169.7	1573.0	1570.0	119.9	.1	1.3	.0150	.049	.049	4	49.88
483	.006	3.019	3	.0	1883.5	1883.5	1.000	169.7	1573.0	1570.0	119.9	.1	1.3	.0150	.049	.049	5	49.88
484	.006	3.025	3	.0	1857.1	1857.1	1.000	169.8	1572.9	1570.0	120.0	.1	1.3	.0150	.049	.048	0	49.88
484	.006	3.025	3	.0	1857.2	1857.2	1.000	169.8	1572.9	1570.0	120.0	.1	1.3	.0150	.048	.048	1	49.88
484	.006	3.025	3	.0	1857.1	1857.1	1.000	169.8	1572.9	1570.0	120.0	.1	1.3	.0150	.048	.048	2	49.88
484	.006	3.025	3	.0	1857.2	1857.2	1.000	169.8	1572.9	1570.0	120.0	.1	1.3	.0150	.048	.048	3	49.88
484	.006	3.025	3	.0	1857.2	1857.2	1.000	169.8	1572.9	1570.0	120.0	.1	1.3	.0150	.048	.048	4	49.88
484	.006	3.025	3	.0	1857.2	1857.2	1.000	169.8	1572.9	1570.0	120.0	.1	1.3	.0150	.048	.048	5	49.88
485	.006	3.031	3	.0	1831.0	1831.0	1.000	169.9	1572.9	1570.0	120.1	.1	1.3	.0150	.048	.048	0	49.88
485	.006	3.031	3	.0	1831.1	1831.1	1.000	169.9	1572.9	1570.0	120.1	.1	1.3	.0150	.048	.048	1	49.88
485	.006	3.031	3	.0	1831.1	1831.1	1.000	169.9	1572.9	1570.0	120.1	.1	1.3	.0150	.048	.047	2	49.88
485	.006	3.031	3	.0	1831.1	1831.1	1.000	169.9	1572.9	1570.0	120.1	.1	1.3	.0150	.047	.047	3	49.88
485	.006	3.031	3	.0	1831.1	1831.1	1.000	169.9	1572.9	1570.0	120.1	.1	1.3	.0150	.047	.047	4	49.88
485	.006	3.031	3	.0	1831.1	1831.1	1.000	169.9	1572.9	1570.0	120.1	.1	1.3	.0150	.047	.047	5	49.88
486	.006	3.037	3	.0	1805.3	1805.3	1.000	170.0	1572.9	1570.0	120.2	.1	1.3	.0150	.047	.047	0	49.88
486	.006	3.037	3	.0	1805.4	1805.4	1.000	170.0	1572.9	1570.0	120.2	.1	1.3	.0150	.047	.047	1	49.88
486	.006	3.037	3	.0	1805.4	1805.4	1.000	170.0	1572.9	1570.0	120.2	.1	1.3	.0150	.047	.047	2	49.88
486	.006	3.037	3	.0	1805.4	1805.4	1.000	170.0	1572.9	1570.0	120.2	.1	1.3	.0150	.047	.046	3	49.88
486	.006	3.037	3	.0	1805.4	1805.4	1.000	170.0	1572.9	1570.0	120.2	.1	1.3	.0150	.046	.046	4	49.88
486	.006	3.037	3	.0	1805.4	1805.4	1.000	170.0	1572.9	1570.0	120.2	.1	1.3	.0150	.046	.047	5	49.88
487	.006	3.044	3	.0	1779.8	1779.8	1.000	170.1	1572.9	1570.0	120.3	.1	1.3	.0150	.046	.046	0	49.88
487	.006	3.044	3	.0	1780.0	1780.0	1.000	170.1	1572.9	1570.0	120.3	.1	1.3	.0150	.046	.046	1	49.88
487	.006	3.044	3	.0	1780.0	1780.0	1.000	170.1	1572.9	1570.0	120.3	.1	1.3	.0150	.046	.046	2	49.88
487	.006	3.044	3	.0	1780.0	1780.0	1.000	170.1	1572.9	1570.0	120.3	.1	1.3	.0150	.046	.045	3	49.88
487	.006	3.044	3	.0	1780.0	1780.0	1.000	170.1	1572.9	1570.0	120.3	.1	1.3	.0150	.045	.046	4	49.88
[illegible]	.006	3.044	3	.0	1780.0	1780.0	1.000	170.1	1572.9	1570.0	120.3	.1	1.3	.0150	.046	.046	5	49.88
[illegible]	.006	3.050	3	.0	1754.7	1754.7	1.000	170.2	1572.8	1570.0	120.4	.1	1.3	.0150	.046	.045	0	49.88
488	.006	3.050	3	.0	1754.8	1754.8	1.000	170.2	1572.8	1570.0	120.4	.1	1.3	.0150	.045	.045	1	49.88
488	.006	3.050	3	.0	1754.8	1754.8	1.000	170.2	1572.8	1570.0	120.4	.1	1.3	.0150	.045	.046	2	49.88
488	.006	3.050	3	.0	1754.8	1754.8	1.000	170.2	1572.8	1570.0	120.4	.1	1.3	.0150	.046	.045	3	49.88

488	.006	3.050	3	.0	1754.8	1754.8	1.000	170.2	1572.8	1570.0	120.4	.1	1.3	.0150	.045	.045	4 49.88
488	.006	3.050	3	.0	1754.8	1754.8	1.000	170.2	1572.8	1570.0	120.4	.1	1.3	.0150	.045	.045	5 49.88
489	.006	3.056	3	.0	1729.8	1729.8	1.000	170.3	1572.8	1570.0	120.5	.1	1.3	.0150	.045	.044	0 49.88
[illegible]	.006	3.056	3	.0	1729.9	1729.9	1.000	170.3	1572.8	1570.0	120.4	.1	1.3	.0150	.044	.045	1 49.88
[illegible]	.006	3.056	3	.0	1729.9	1729.9	1.000	170.3	1572.8	1570.0	120.5	.1	1.3	.0150	.045	.045	2 49.88
489	.006	3.056	3	.0	1729.9	1729.9	1.000	170.3	1572.8	1570.0	120.5	.1	1.3	.0150	.045	.045	3 49.88
489	.006	3.056	3	.0	1729.9	1729.9	1.000	170.3	1572.8	1570.0	120.5	.1	1.3	.0150	.045	.044	4 49.88
489	.006	3.056	3	.0	1729.9	1729.9	1.000	170.3	1572.8	1570.0	120.5	.1	1.3	.0150	.044	.044	5 49.88
490	.006	3.062	3	.0	1705.2	1705.2	1.000	170.4	1572.8	1570.0	120.5	.1	1.3	.0150	.044	.044	0 49.88
490	.006	3.062	3	.0	1705.3	1705.3	1.000	170.4	1572.8	1570.0	120.5	.1	1.3	.0150	.044	.044	1 49.88
490	.006	3.062	3	.0	1705.3	1705.3	1.000	170.4	1572.8	1570.0	120.5	.1	1.3	.0150	.044	.044	2 49.88
490	.006	3.062	3	.0	1705.3	1705.3	1.000	170.4	1572.8	1570.0	120.5	.1	1.3	.0150	.044	.044	3 49.88
490	.006	3.062	3	.0	1705.3	1705.3	1.000	170.4	1572.8	1570.0	120.5	.1	1.3	.0150	.044	.044	4 49.88
490	.006	3.062	3	.0	1705.3	1705.3	1.000	170.4	1572.8	1570.0	120.5	.1	1.3	.0150	.044	.044	5 49.88
491	.006	3.069	3	.0	1680.8	1680.8	1.000	170.5	1572.7	1570.0	120.6	.1	1.3	.0150	.044	.043	0 49.88
491	.006	3.069	3	.0	1681.0	1681.0	1.000	170.5	1572.7	1570.0	120.6	.1	1.2	.0150	.043	.043	1 49.88
491	.006	3.069	3	.0	1681.0	1681.0	1.000	170.5	1572.7	1570.0	120.6	.1	1.2	.0150	.043	.043	2 49.88
491	.006	3.069	3	.0	1681.0	1681.0	1.000	170.5	1572.7	1570.0	120.6	.1	1.2	.0150	.043	.043	3 49.88
491	.006	3.069	3	.0	1681.0	1681.0	1.000	170.5	1572.7	1570.0	120.6	.1	1.2	.0150	.043	.044	4 49.88
491	.006	3.069	3	.0	1681.0	1681.0	1.000	170.5	1572.7	1570.0	120.6	.1	1.3	.0150	.044	.043	5 49.88
492	.006	3.075	3	.0	1656.8	1656.8	1.000	170.5	1572.7	1570.0	120.7	.1	1.2	.0150	.044	.042	0 49.88
492	.006	3.075	3	.0	1657.0	1657.0	1.000	170.5	1572.7	1570.0	120.7	.1	1.2	.0150	.042	.042	1 49.88
492	.006	3.075	3	.0	1657.0	1657.0	1.000	170.5	1572.7	1570.0	120.7	.1	1.2	.0150	.042	.043	2 49.88
492	.006	3.075	3	.0	1657.0	1657.0	1.000	170.5	1572.7	1570.0	120.7	.1	1.2	.0150	.043	.043	3 49.88
492	.006	3.075	3	.0	1657.0	1657.0	1.000	170.5	1572.7	1570.0	120.7	.1	1.2	.0150	.043	.043	4 49.88
492	.006	3.075	3	.0	1657.0	1657.0	1.000	170.5	1572.7	1570.0	120.7	.1	1.2	.0150	.043	.043	5 49.88
493	.006	3.081	3	.0	1633.1	1633.1	1.000	170.6	1572.7	1570.0	120.8	.1	1.2	.0150	.043	.042	0 49.88
493	.006	3.081	3	.0	1633.2	1633.2	1.000	170.6	1572.7	1570.0	120.8	.1	1.2	.0150	.042	.042	1 49.88
493	.006	3.081	3	.0	1633.2	1633.2	1.000	170.6	1572.7	1570.0	120.8	.1	1.2	.0150	.042	.042	2 49.88
[illegible]	.006	3.081	3	.0	1633.2	1633.2	1.000	170.6	1572.7	1570.0	120.8	.1	1.2	.0150	.042	.042	3 49.88
[illegible]	.006	3.081	3	.0	1633.2	1633.2	1.000	170.6	1572.7	1570.0	120.8	.1	1.2	.0150	.042	.042	4 49.88
493	.006	3.081	3	.0	1633.2	1633.2	1.000	170.6	1572.7	1570.0	120.8	.1	1.2	.0150	.042	.042	5 49.88
494	.006	3.087	3	.0	1609.7	1609.7	1.000	170.7	1572.7	1570.0	120.9	.1	1.2	.0150	.042	.042	0 49.88
494	.006	3.087	3	.0	1609.9	1609.9	1.000	170.7	1572.7	1570.0	120.9	.1	1.2	.0150	.042	.042	1 49.88
494	.006	3.087	3	.0	1609.9	1609.9	1.000	170.7	1572.7	1570.0	120.9	.1	1.2	.0150	.042	.041	2 49.88
494	.006	3.087	3	.0	1609.9	1609.9	1.000	170.7	1572.7	1570.0	120.9	.1	1.2	.0150	.041	.041	3 49.88
494	.006	3.087	3	.0	1609.9	1609.9	1.000	170.7	1572.7	1570.0	120.9	.1	1.2	.0150	.041	.041	4 49.88
494	.006	3.087	3	.0	1609.9	1609.9	1.000	170.7	1572.7	1570.0	120.9	.1	1.2	.0150	.041	.041	5 49.88
495	.006	3.094	3	.0	1586.5	1586.5	1.000	170.8	1572.6	1570.0	121.0	.1	1.2	.0150	.041	.041	0 49.88
495	.006	3.094	3	.0	1586.7	1586.7	1.000	170.8	1572.6	1570.0	121.0	.1	1.2	.0150	.041	.041	1 49.88
495	.006	3.094	3	.0	1586.7	1586.7	1.000	170.8	1572.6	1570.0	121.0	.1	1.2	.0150	.041	.041	2 49.88
495	.006	3.094	3	.0	1586.7	1586.7	1.000	170.8	1572.6	1570.0	121.0	.1	1.2	.0150	.041	.040	3 49.88
495	.006	3.094	3	.0	1586.7	1586.7	1.000	170.8	1572.6	1570.0	121.0	.1	1.2	.0150	.040	.041	4 49.88
495	.006	3.094	3	.0	1586.7	1586.7	1.000	170.8	1572.6	1570.0	121.0	.1	1.2	.0150	.041	.041	5 49.88
496	.006	3.100	3	.0	1563.7	1563.7	1.000	170.9	1572.6	1570.0	121.0	.1	1.2	.0150	.041	.040	0 49.88
496	.006	3.100	3	.0	1563.8	1563.8	1.000	170.9	1572.6	1570.0	121.0	.1	1.2	.0150	.040	.040	1 49.88
496	.006	3.100	3	.0	1563.8	1563.8	1.000	170.9	1572.6	1570.0	121.0	.1	1.2	.0150	.040	.040	2 49.88
496	.006	3.100	3	.0	1563.8	1563.8	1.000	170.9	1572.6	1570.0	121.0	.1	1.2	.0150	.040	.040	3 49.88
496	.006	3.100	3	.0	1563.8	1563.8	1.000	170.9	1572.6	1570.0	121.0	.1	1.2	.0150	.040	.040	4 49.88
496	.006	3.100	3	.0	1563.8	1563.8	1.000	170.9	1572.6	1570.0	121.0	.1	1.2	.0150	.040	.040	5 49.88
497	.006	3.106	3	.0	1541.2	1541.2	1.000	171.0	1572.6	1570.0	121.1	.1	1.2	.0150	.040	.039	0 49.88
497	.006	3.106	3	.0	1541.4	1541.4	1.000	170.9	1572.6	1570.0	121.1	.1	1.2	.0150	.039	.040	1 49.88
497	.006	3.106	3	.0	1541.4	1541.4	1.000	171.0	1572.6	1570.0	121.1	.1	1.2	.0150	.040	.040	2 49.88
497	.006	3.106	3	.0	1541.4	1541.4	1.000	171.0	1572.6	1570.0	121.1	.1	1.2	.0150	.040	.040	3 49.88
497	.006	3.106	3	.0	1541.4	1541.4	1.000	171.0	1572.6	1570.0	121.1	.1	1.2	.0150	.040	.040	4 49.88
[illegible]	.006	3.106	3	.0	1541.4	1541.4	1.000	171.0	1572.6	1570.0	121.1	.1	1.2	.0150	.040	.039	5 49.88
[illegible]	.006	3.112	3	.0	1519.0	1519.0	1.000	171.0	1572.6	1570.0	121.2	.1	1.2	.0150	.040	.039	0 49.88
498	.006	3.112	3	.0	1519.2	1519.2	1.000	171.0	1572.6	1570.0	121.2	.1	1.2	.0150	.039	.039	1 49.88
498	.006	3.112	3	.0	1519.2	1519.2	1.000	171.0	1572.6	1570.0	121.2	.1	1.2	.0150	.039	.039	2 49.88
498	.006	3.112	3	.0	1519.2	1519.2	1.000	171.0	1572.6	1570.0	121.2	.1	1.2	.0150	.039	.039	3 49.88

498	.006	3.112	3	.0	1519.2	1519.2	1.000	171.0	1572.6	1570.0	121.2	.1	1.2	.0150	.039	.039	4 49.88
498	.006	3.112	3	.0	1519.2	1519.2	1.000	171.0	1572.6	1570.0	121.2	.1	1.2	.0150	.039	.039	5 49.88
499	.006	3.119	3	.0	1497.1	1497.1	1.000	171.1	1572.5	1570.0	121.3	.1	1.2	.0150	.039	.039	0 49.88
[illegible]	.006	3.119	3	.0	1497.3	1497.3	1.000	171.1	1572.5	1570.0	121.3	.1	1.2	.0150	.039	.038	1 49.88
499	.006	3.119	3	.0	1497.2	1497.2	1.000	171.1	1572.5	1570.0	121.3	.1	1.2	.0150	.038	.038	2 49.88
499	.006	3.119	3	.0	1497.2	1497.2	1.000	171.1	1572.5	1570.0	121.3	.1	1.2	.0150	.038	.038	3 49.88
499	.006	3.119	3	.0	1497.2	1497.2	1.000	171.1	1572.5	1570.0	121.3	.1	1.2	.0150	.038	.038	4 49.88
499	.006	3.119	3	.0	1497.2	1497.2	1.000	171.1	1572.5	1570.0	121.3	.1	1.2	.0150	.038	.039	5 49.88
500	.006	3.125	3	.0	1475.6	1475.6	1.000	171.2	1572.5	1570.0	121.3	.1	1.2	.0150	.038	.038	0 49.88

PROJECT TITLE : PIPING BREACH ANALYSIS

PROJECT NUMBER : S-22 SPOOK HILL FRS 6/27/1990

I	Step Time (hr) DTH	Elpse Time (hr) T	Fail Code KG	Spillway Outflow (cfs) QTS	Breach Outflow (cfs) QB	Total Outflow (cfs) QTOT	Sbmrg Crctn Factr SUB	Brech Top Width (ft) BT	Rsrvor W. S. Elev. (ft - MSL) HY	Breach Bottom Elev. (ft - MSL) HC	Brech Bottm Width (ft) BO	Breach Width Incres (ft) PPP	Breach Flow Depth (ft) HP	Brech Manig (n) CNN	Estmte Erosin Depth Incrse (ft) DH	Comput Erosin Depth Incrse (ft) DHH	Itrtn Count KIT	Brech Vrtcl Side Angle (deg) ALG
500	.006	3.125	3	.0	1475.7	1475.7	1.000	171.2	1572.5	1570.0	121.3	.1	1.1	.0150	.038	.038	1	49.88
500	.006	3.125	3	.0	1475.7	1475.7	1.000	171.2	1572.5	1570.0	121.3	.1	1.1	.0150	.038	.037	2	49.88
500	.006	3.125	3	.0	1475.7	1475.7	1.000	171.2	1572.5	1570.0	121.3	.1	1.1	.0150	.037	.038	3	49.88
500	.006	3.125	3	.0	1475.7	1475.7	1.000	171.2	1572.5	1570.0	121.3	.1	1.2	.0150	.038	.038	4	49.88
500	.006	3.125	3	.0	1475.7	1475.7	1.000	171.2	1572.5	1570.0	121.3	.1	1.2	.0150	.038	.038	5	49.88
501	.006	3.131	3	.0	1454.3	1454.3	1.000	171.3	1572.5	1570.0	121.4	.1	1.1	.0150	.038	.037	0	49.88
501	.006	3.131	3	.0	1454.5	1454.5	1.000	171.3	1572.5	1570.0	121.4	.1	1.1	.0150	.037	.037	1	49.88
501	.006	3.131	3	.0	1454.5	1454.5	1.000	171.3	1572.5	1570.0	121.4	.1	1.1	.0150	.037	.038	2	49.88
501	.006	3.131	3	.0	1454.5	1454.5	1.000	171.3	1572.5	1570.0	121.4	.1	1.1	.0150	.038	.037	3	49.88
501	.006	3.131	3	.0	1454.5	1454.5	1.000	171.3	1572.5	1570.0	121.4	.1	1.1	.0150	.037	.037	4	49.88
501	.006	3.131	3	.0	1454.5	1454.5	1.000	171.3	1572.5	1570.0	121.4	.1	1.1	.0150	.037	.037	5	49.88
502	.006	3.137	3	.0	1433.5	1433.5	1.000	171.3	1572.5	1570.0	121.5	.1	1.1	.0150	.037	.037	0	49.88
502	.006	3.137	3	.0	1433.6	1433.6	1.000	171.3	1572.5	1570.0	121.5	.1	1.1	.0150	.037	.037	1	49.88
502	.006	3.137	3	.0	1433.6	1433.6	1.000	171.3	1572.5	1570.0	121.5	.1	1.1	.0150	.037	.037	2	49.88
502	.006	3.137	3	.0	1433.6	1433.6	1.000	171.3	1572.5	1570.0	121.5	.1	1.1	.0150	.037	.037	3	49.88
502	.006	3.137	3	.0	1433.6	1433.6	1.000	171.3	1572.5	1570.0	121.5	.1	1.1	.0150	.037	.037	4	49.88
502	.006	3.137	3	.0	1433.6	1433.6	1.000	171.3	1572.5	1570.0	121.5	.1	1.1	.0150	.037	.036	5	49.88
503	.006	3.144	3	.0	1412.9	1412.9	1.000	171.4	1572.4	1570.0	121.6	.1	1.1	.0150	.037	.036	0	49.88
503	.006	3.144	3	.0	1413.0	1413.0	1.000	171.4	1572.4	1570.0	121.6	.1	1.1	.0150	.036	.036	1	49.88
503	.006	3.144	3	.0	1413.0	1413.0	1.000	171.4	1572.4	1570.0	121.6	.1	1.1	.0150	.036	.036	2	49.88
503	.006	3.144	3	.0	1413.0	1413.0	1.000	171.4	1572.4	1570.0	121.6	.1	1.1	.0150	.036	.036	3	49.88
503	.006	3.144	3	.0	1413.0	1413.0	1.000	171.4	1572.4	1570.0	121.6	.1	1.1	.0150	.036	.036	4	49.88
503	.006	3.144	3	.0	1413.0	1413.0	1.000	171.4	1572.4	1570.0	121.6	.1	1.1	.0150	.036	.036	5	49.88
504	.006	3.150	3	.0	1392.6	1392.6	1.000	171.5	1572.4	1570.0	121.6	.1	1.1	.0150	.036	.036	0	49.88
504	.006	3.150	3	.0	1392.8	1392.8	1.000	171.5	1572.4	1570.0	121.6	.1	1.1	.0150	.036	.035	1	49.88
504	.006	3.150	3	.0	1392.8	1392.8	1.000	171.5	1572.4	1570.0	121.6	.1	1.1	.0150	.035	.035	2	49.88
504	.006	3.150	3	.0	1392.8	1392.8	1.000	171.5	1572.4	1570.0	121.6	.1	1.1	.0150	.035	.035	3	49.88
504	.006	3.150	3	.0	1392.8	1392.8	1.000	171.5	1572.4	1570.0	121.6	.1	1.1	.0150	.035	.036	4	49.88
504	.006	3.150	3	.0	1392.8	1392.8	1.000	171.5	1572.4	1570.0	121.6	.1	1.1	.0150	.036	.036	5	49.88
505	.006	3.156	3	.0	1372.7	1372.7	1.000	171.5	1572.4	1570.0	121.7	.1	1.1	.0150	.036	.035	0	49.88
505	.006	3.156	3	.0	1372.9	1372.9	1.000	171.5	1572.4	1570.0	121.7	.1	1.1	.0150	.035	.035	1	49.88
505	.006	3.156	3	.0	1372.9	1372.9	1.000	171.5	1572.4	1570.0	121.7	.1	1.1	.0150	.035	.035	2	49.88
505	.006	3.156	3	.0	1372.9	1372.9	1.000	171.5	1572.4	1570.0	121.7	.1	1.1	.0150	.035	.035	3	49.88
505	.006	3.156	3	.0	1372.9	1372.9	1.000	171.5	1572.4	1570.0	121.7	.1	1.1	.0150	.035	.035	4	49.88
505	.006	3.156	3	.0	1372.9	1372.9	1.000	171.5	1572.4	1570.0	121.7	.1	1.1	.0150	.035	.035	5	49.88
506	.006	3.162	3	.0	1353.1	1353.1	1.000	171.6	1572.4	1570.0	121.8	.1	1.1	.0150	.035	.034	0	49.88
506	.006	3.162	3	.0	1353.3	1353.3	1.000	171.6	1572.4	1570.0	121.8	.1	1.1	.0150	.034	.035	1	49.88
506	.006	3.162	3	.0	1353.3	1353.3	1.000	171.6	1572.4	1570.0	121.8	.1	1.1	.0150	.035	.035	2	49.88
506	.006	3.162	3	.0	1353.3	1353.3	1.000	171.6	1572.4	1570.0	121.8	.1	1.1	.0150	.035	.035	3	49.88
506	.006	3.162	3	.0	1353.3	1353.3	1.000	171.6	1572.4	1570.0	121.8	.1	1.1	.0150	.035	.034	4	49.88
506	.006	3.162	3	.0	1353.3	1353.3	1.000	171.6	1572.4	1570.0	121.8	.1	1.1	.0150	.034	.034	5	49.88
507	.006	3.169	3	.0	1333.9	1333.9	1.000	171.7	1572.3	1570.0	121.8	.1	1.1	.0150	.034	.034	0	49.88
507	.006	3.169	3	.0	1334.1	1334.1	1.000	171.7	1572.3	1570.0	121.8	.1	1.1	.0150	.034	.034	1	49.88
507	.006	3.169	3	.0	1334.1	1334.1	1.000	171.7	1572.3	1570.0	121.8	.1	1.1	.0150	.034	.034	2	49.88
507	.006	3.169	3	.0	1334.1	1334.1	1.000	171.7	1572.3	1570.0	121.8	.1	1.1	.0150	.034	.034	3	49.88
507	.006	3.169	3	.0	1334.1	1334.1	1.000	171.7	1572.3	1570.0	121.8	.1	1.1	.0150	.034	.034	4	49.88

507	.006	3.169	3	.0	1334.1	1334.1	1.000	171.7	1572.3	1570.0	121.8	.1	1.1	.0150	.034	.034	5	49.88
508	.006	3.175	3	.0	1315.0	1315.0	1.000	171.7	1572.3	1570.0	121.9	.1	1.1	.0150	.034	.034	0	49.88
508	.006	3.175	3	.0	1315.2	1315.2	1.000	171.7	1572.3	1570.0	121.9	.1	1.1	.0150	.034	.033	1	49.88
[illegible]	.006	3.175	3	.0	1315.2	1315.2	1.000	171.7	1572.3	1570.0	121.9	.1	1.1	.0150	.033	.033	2	49.88
508	.006	3.175	3	.0	1315.2	1315.2	1.000	171.7	1572.3	1570.0	121.9	.1	1.1	.0150	.033	.033	3	49.88
508	.006	3.175	3	.0	1315.2	1315.2	1.000	171.7	1572.3	1570.0	121.9	.1	1.1	.0150	.033	.034	4	49.88
508	.006	3.175	3	.0	1315.2	1315.2	1.000	171.7	1572.3	1570.0	121.9	.1	1.1	.0150	.034	.034	5	49.88
509	.006	3.181	3	.0	1296.5	1296.5	1.000	171.8	1572.3	1570.0	122.0	.1	1.1	.0150	.034	.033	0	49.88
509	.006	3.181	3	.0	1296.7	1296.7	1.000	171.8	1572.3	1570.0	122.0	.1	1.1	.0150	.033	.033	1	49.88
509	.006	3.181	3	.0	1296.7	1296.7	1.000	171.8	1572.3	1570.0	122.0	.1	1.1	.0150	.033	.033	2	49.88
509	.006	3.181	3	.0	1296.7	1296.7	1.000	171.8	1572.3	1570.0	122.0	.1	1.1	.0150	.033	.033	3	49.88
509	.006	3.181	3	.0	1296.7	1296.7	1.000	171.8	1572.3	1570.0	122.0	.1	1.1	.0150	.033	.033	4	49.88
509	.006	3.181	3	.0	1296.7	1296.7	1.000	171.8	1572.3	1570.0	122.0	.1	1.1	.0150	.033	.033	5	49.88
510	.006	3.187	3	.0	1278.4	1278.4	1.000	171.9	1572.3	1570.0	122.0	.1	1.1	.0150	.033	.032	0	49.88
510	.006	3.187	3	.0	1278.5	1278.5	1.000	171.9	1572.3	1570.0	122.0	.1	1.0	.0150	.032	.033	1	49.88
510	.006	3.187	3	.0	1278.5	1278.5	1.000	171.9	1572.3	1570.0	122.0	.1	1.1	.0150	.033	.033	2	49.88
510	.006	3.187	3	.0	1278.5	1278.5	1.000	171.9	1572.3	1570.0	122.0	.1	1.1	.0150	.033	.033	3	49.88
510	.006	3.187	3	.0	1278.5	1278.5	1.000	171.9	1572.3	1570.0	122.0	.1	1.0	.0150	.033	.032	4	49.88
510	.006	3.187	3	.0	1278.5	1278.5	1.000	171.9	1572.3	1570.0	122.0	.1	1.0	.0150	.032	.032	5	49.88
511	.006	3.194	3	.0	1260.6	1260.6	1.000	171.9	1572.3	1570.0	122.1	.1	1.0	.0150	.032	.032	0	49.88
511	.006	3.194	3	.0	1260.8	1260.8	1.000	171.9	1572.3	1570.0	122.1	.1	1.0	.0150	.032	.032	1	49.88
511	.006	3.194	3	.0	1260.8	1260.8	1.000	171.9	1572.3	1570.0	122.1	.1	1.0	.0150	.032	.032	2	49.88
511	.006	3.194	3	.0	1260.8	1260.8	1.000	171.9	1572.3	1570.0	122.1	.1	1.0	.0150	.032	.032	3	49.88
511	.006	3.194	3	.0	1260.8	1260.8	1.000	171.9	1572.3	1570.0	122.1	.1	1.0	.0150	.032	.032	4	49.88
511	.006	3.194	3	.0	1260.8	1260.8	1.000	171.9	1572.3	1570.0	122.1	.1	1.0	.0150	.032	.032	5	49.88
512	.006	3.200	3	.0	1243.2	1243.2	1.000	172.0	1572.2	1570.0	122.2	.1	1.0	.0150	.032	.032	0	49.88
512	.006	3.200	3	.0	1243.4	1243.4	1.000	172.0	1572.2	1570.0	122.2	.1	1.0	.0150	.032	.031	1	49.88
512	.006	3.200	3	.0	1243.4	1243.4	1.000	172.0	1572.2	1570.0	122.2	.1	1.0	.0150	.031	.031	2	49.88
512	.006	3.200	3	.0	1243.4	1243.4	1.000	172.0	1572.2	1570.0	122.2	.1	1.0	.0150	.031	.032	3	49.88
[illegible]	.006	3.200	3	.0	1243.4	1243.4	1.000	172.0	1572.2	1570.0	122.2	.1	1.0	.0150	.032	.032	4	49.88
512	.006	3.200	3	.0	1243.4	1243.4	1.000	172.0	1572.2	1570.0	122.2	.1	1.0	.0150	.032	.032	5	49.88
513	.006	3.206	3	.0	1226.2	1226.2	1.000	172.1	1572.2	1570.0	122.2	.1	1.0	.0150	.032	.031	0	49.88
513	.006	3.206	3	.0	1226.3	1226.3	1.000	172.1	1572.2	1570.0	122.2	.1	1.0	.0150	.031	.031	1	49.88
513	.006	3.206	3	.0	1226.3	1226.3	1.000	172.1	1572.2	1570.0	122.2	.1	1.0	.0150	.031	.031	2	49.88
513	.006	3.206	3	.0	1226.4	1226.4	1.000	172.1	1572.2	1570.0	122.2	.1	1.0	.0150	.031	.031	3	49.88
513	.006	3.206	3	.0	1226.4	1226.4	1.000	172.1	1572.2	1570.0	122.2	.1	1.0	.0150	.031	.031	4	49.88
513	.006	3.206	3	.0	1226.4	1226.4	1.000	172.1	1572.2	1570.0	122.2	.1	1.0	.0150	.031	.031	5	49.88
514	.006	3.212	3	.0	1209.5	1209.5	1.000	172.1	1572.2	1570.0	122.3	.1	1.0	.0150	.031	.031	0	49.88
514	.006	3.212	3	.0	1209.7	1209.7	1.000	172.1	1572.2	1570.0	122.3	.1	1.0	.0150	.031	.031	1	49.88
514	.006	3.212	3	.0	1209.7	1209.7	1.000	172.1	1572.2	1570.0	122.3	.1	1.0	.0150	.031	.031	2	49.88
514	.006	3.212	3	.0	1209.7	1209.7	1.000	172.1	1572.2	1570.0	122.3	.1	1.0	.0150	.031	.031	3	49.88
514	.006	3.212	3	.0	1209.7	1209.7	1.000	172.1	1572.2	1570.0	122.3	.1	1.0	.0150	.031	.031	4	49.88
514	.006	3.212	3	.0	1209.7	1209.7	1.000	172.1	1572.2	1570.0	122.3	.1	1.0	.0150	.031	.030	5	49.88
515	.006	3.219	3	.0	1193.1	1193.1	1.000	172.2	1572.2	1570.0	122.4	.1	1.0	.0150	.031	.030	0	49.88
515	.006	3.219	3	.0	1193.3	1193.3	1.000	172.2	1572.2	1570.0	122.4	.1	1.0	.0150	.030	.030	1	49.88
515	.006	3.219	3	.0	1193.3	1193.3	1.000	172.2	1572.2	1570.0	122.4	.1	1.0	.0150	.030	.030	2	49.88
515	.006	3.219	3	.0	1193.3	1193.3	1.000	172.2	1572.2	1570.0	122.4	.1	1.0	.0150	.030	.030	3	49.88
515	.006	3.219	3	.0	1193.3	1193.3	1.000	172.2	1572.2	1570.0	122.4	.1	1.0	.0150	.030	.031	4	49.88
515	.006	3.219	3	.0	1193.3	1193.3	1.000	172.2	1572.2	1570.0	122.4	.1	1.0	.0150	.031	.030	5	49.88
516	.006	3.225	3	.0	1177.3	1177.3	1.000	172.2	1572.2	1570.0	122.4	.1	1.0	.0150	.031	.030	0	49.88
516	.006	3.225	3	.0	1177.5	1177.5	1.000	172.2	1572.2	1570.0	122.4	.1	1.0	.0150	.030	.030	1	49.88
516	.006	3.225	3	.0	1177.5	1177.5	1.000	172.2	1572.2	1570.0	122.4	.1	1.0	.0150	.030	.030	2	49.88
516	.006	3.225	3	.0	1177.5	1177.5	1.000	172.2	1572.2	1570.0	122.4	.1	1.0	.0150	.030	.030	3	49.88
516	.006	3.225	3	.0	1177.5	1177.5	1.000	172.2	1572.2	1570.0	122.4	.1	1.0	.0150	.030	.030	4	49.88
516	.006	3.225	3	.0	1177.5	1177.5	1.000	172.2	1572.2	1570.0	122.4	.1	1.0	.0150	.030	.030	5	49.88
[illegible]	.006	3.231	3	.0	1161.8	1161.8	1.000	172.3	1572.1	1570.0	122.5	.1	1.0	.0150	.030	.029	0	49.88
517	.006	3.231	3	.0	1162.0	1162.0	1.000	172.3	1572.1	1570.0	122.5	.1	1.0	.0150	.029	.030	1	49.88
517	.006	3.231	3	.0	1162.0	1162.0	1.000	172.3	1572.1	1570.0	122.5	.1	1.0	.0150	.030	.030	2	49.88
517	.006	3.231	3	.0	1162.0	1162.0	1.000	172.3	1572.1	1570.0	122.5	.1	1.0	.0150	.030	.029	3	49.88
517	.006	3.231	3	.0	1162.0	1162.0	1.000	172.3	1572.1	1570.0	122.5	.1	1.0	.0150	.029	.029	4	49.88

517	.006	3.231	3	.0	1162.0	1162.0	1.000	172.3	1572.1	1570.0	122.5	.1	1.0	.0150	.029	.029	5 49.88
518	.006	3.237	3	.0	1146.7	1146.7	1.000	172.4	1572.1	1570.0	122.5	.1	1.0	.0150	.029	.029	0 49.88
518	.006	3.237	3	.0	1146.9	1146.9	1.000	172.4	1572.1	1570.0	122.5	.1	1.0	.0150	.029	.029	1 49.88
[illegible]	.006	3.237	3	.0	1146.9	1146.9	1.000	172.4	1572.1	1570.0	122.5	.1	1.0	.0150	.029	.029	2 49.88
518	.006	3.237	3	.0	1146.9	1146.9	1.000	172.4	1572.1	1570.0	122.5	.1	1.0	.0150	.029	.029	3 49.88
518	.006	3.237	3	.0	1146.8	1146.8	1.000	172.4	1572.1	1570.0	122.5	.1	1.0	.0150	.029	.029	4 49.88
518	.006	3.237	3	.0	1146.8	1146.8	1.000	172.4	1572.1	1570.0	122.5	.1	1.0	.0150	.029	.029	5 49.88
519	.006	3.244	3	.0	1132.0	1132.0	1.000	172.4	1572.1	1570.0	122.6	.1	1.0	.0150	.029	.029	0 49.88
519	.006	3.244	3	.0	1132.2	1132.2	1.000	172.4	1572.1	1570.0	122.6	.1	1.0	.0150	.029	.028	1 49.88
519	.006	3.244	3	.0	1132.2	1132.2	1.000	172.4	1572.1	1570.0	122.6	.1	1.0	.0150	.028	.028	2 49.88
519	.006	3.244	3	.0	1132.2	1132.2	1.000	172.4	1572.1	1570.0	122.6	.1	1.0	.0150	.028	.029	3 49.88
519	.006	3.244	3	.0	1132.2	1132.2	1.000	172.4	1572.1	1570.0	122.6	.1	1.0	.0150	.029	.029	4 49.88
519	.006	3.244	3	.0	1132.2	1132.2	1.000	172.4	1572.1	1570.0	122.6	.1	1.0	.0150	.029	.029	5 49.88
520	.006	3.250	3	.0	1117.6	1117.6	1.000	172.5	1572.1	1570.0	122.6	.1	1.0	.0150	.029	.028	0 49.88
520	.006	3.250	3	.0	1117.8	1117.8	1.000	172.5	1572.1	1570.0	122.6	.1	1.0	.0150	.028	.028	1 49.88
520	.006	3.250	3	.0	1117.8	1117.8	1.000	172.5	1572.1	1570.0	122.6	.1	1.0	.0150	.028	.028	2 49.88
520	.006	3.250	3	.0	1117.8	1117.8	1.000	172.5	1572.1	1570.0	122.6	.1	1.0	.0150	.028	.028	3 49.88
520	.006	3.250	3	.0	1117.8	1117.8	1.000	172.5	1572.1	1570.0	122.6	.1	1.0	.0150	.028	.028	4 49.88
520	.006	3.250	3	.0	1117.8	1117.8	1.000	172.5	1572.1	1570.0	122.6	.1	1.0	.0150	.028	.028	5 49.88
521	.006	3.256	3	.0	1103.8	1103.8	1.000	172.5	1572.1	1570.0	122.7	.1	1.0	.0150	.028	.028	0 49.88
521	.006	3.256	3	.0	1103.9	1103.9	1.000	172.5	1572.1	1570.0	122.7	.1	1.0	.0150	.028	.028	1 49.88
521	.006	3.256	3	.0	1103.9	1103.9	1.000	172.5	1572.1	1570.0	122.7	.1	1.0	.0150	.028	.028	2 49.88
521	.006	3.256	3	.0	1103.9	1103.9	1.000	172.5	1572.1	1570.0	122.7	.1	1.0	.0150	.028	.028	3 49.88
521	.006	3.256	3	.0	1103.9	1103.9	1.000	172.5	1572.1	1570.0	122.7	.1	1.0	.0150	.028	.028	4 49.88
521	.006	3.256	3	.0	1103.9	1103.9	1.000	172.5	1572.1	1570.0	122.7	.1	1.0	.0150	.028	.028	5 49.88
522	.006	3.262	3	.0	1090.3	1090.3	1.000	172.6	1572.0	1570.0	122.8	.1	1.0	.0150	.028	.027	0 49.88
522	.006	3.262	3	.0	1090.5	1090.5	1.000	172.6	1572.0	1570.0	122.8	.1	.9	.0150	.027	.027	1 49.88
522	.006	3.262	3	.0	1090.4	1090.4	1.000	172.6	1572.0	1570.0	122.8	.1	.9	.0150	.027	.028	2 49.88
522	.006	3.262	3	.0	1090.5	1090.5	1.000	172.6	1572.0	1570.0	122.8	.1	1.0	.0150	.028	.028	3 49.88
[illegible]	.006	3.262	3	.0	1090.5	1090.5	1.000	172.6	1572.0	1570.0	122.8	.1	1.0	.0150	.028	.028	4 49.88
[illegible]	.006	3.262	3	.0	1090.5	1090.5	1.000	172.6	1572.0	1570.0	122.8	.1	1.0	.0150	.028	.028	5 49.88
523	.006	3.269	3	.0	1077.2	1077.2	1.000	172.6	1572.0	1570.0	122.8	.1	1.0	.0150	.028	.027	0 49.88
523	.006	3.269	3	.0	1077.4	1077.4	1.000	172.6	1572.0	1570.0	122.8	.1	.9	.0150	.027	.027	1 49.88
523	.006	3.269	3	.0	1077.4	1077.4	1.000	172.6	1572.0	1570.0	122.8	.1	.9	.0150	.027	.027	2 49.88
523	.006	3.269	3	.0	1077.4	1077.4	1.000	172.6	1572.0	1570.0	122.8	.1	.9	.0150	.027	.027	3 49.88
523	.006	3.269	3	.0	1077.4	1077.4	1.000	172.6	1572.0	1570.0	122.8	.1	.9	.0150	.027	.027	4 49.88
523	.006	3.269	3	.0	1077.4	1077.4	1.000	172.6	1572.0	1570.0	122.8	.1	.9	.0150	.027	.027	5 49.88
524	.006	3.275	3	.0	1064.6	1064.6	1.000	172.7	1572.0	1570.0	122.9	.1	.9	.0150	.027	.027	0 49.88
524	.006	3.275	3	.0	1064.7	1064.7	1.000	172.7	1572.0	1570.0	122.9	.1	.9	.0150	.027	.027	1 49.88
524	.006	3.275	3	.0	1064.7	1064.7	1.000	172.7	1572.0	1570.0	122.9	.1	.9	.0150	.027	.027	2 49.88
524	.006	3.275	3	.0	1064.7	1064.7	1.000	172.7	1572.0	1570.0	122.9	.1	.9	.0150	.027	.027	3 49.88
524	.006	3.275	3	.0	1064.7	1064.7	1.000	172.7	1572.0	1570.0	122.9	.1	.9	.0150	.027	.027	4 49.88
524	.006	3.275	3	.0	1064.7	1064.7	1.000	172.7	1572.0	1570.0	122.9	.1	.9	.0150	.027	.027	5 49.88
525	.006	3.281	3	.0	1052.4	1052.4	1.000	172.8	1572.0	1570.0	122.9	.1	.9	.0150	.027	.026	0 49.88
525	.006	3.281	3	.0	1052.6	1052.6	1.000	172.7	1572.0	1570.0	122.9	.1	.9	.0150	.026	.026	1 49.88
525	.006	3.281	3	.0	1052.6	1052.6	1.000	172.7	1572.0	1570.0	122.9	.1	.9	.0150	.026	.027	2 49.88
525	.006	3.281	3	.0	1052.6	1052.6	1.000	172.7	1572.0	1570.0	122.9	.1	.9	.0150	.027	.027	3 49.88
525	.006	3.281	3	.0	1052.6	1052.6	1.000	172.7	1572.0	1570.0	122.9	.1	.9	.0150	.027	.027	4 49.88
525	.006	3.281	3	.0	1052.6	1052.6	1.000	172.7	1572.0	1570.0	122.9	.1	.9	.0150	.027	.026	5 49.88
526	.006	3.287	3	.0	1040.9	1040.9	1.000	172.8	1572.0	1570.0	123.0	.1	.9	.0150	.027	.026	0 49.88
526	.006	3.287	3	.0	1041.1	1041.1	1.000	172.8	1572.0	1570.0	123.0	.1	.9	.0150	.026	.026	1 49.88
526	.006	3.287	3	.0	1041.0	1041.0	1.000	172.8	1572.0	1570.0	123.0	.1	.9	.0150	.026	.026	2 49.88
526	.006	3.287	3	.0	1041.0	1041.0	1.000	172.8	1572.0	1570.0	123.0	.1	.9	.0150	.026	.026	3 49.88
526	.006	3.287	3	.0	1041.0	1041.0	1.000	172.8	1572.0	1570.0	123.0	.1	.9	.0150	.026	.026	4 49.88
526	.006	3.287	3	.0	1041.0	1041.0	1.000	172.8	1572.0	1570.0	123.0	.1	.9	.0150	.026	.026	5 49.88
[illegible]	.006	3.294	3	.0	1029.9	1029.9	1.000	172.9	1572.0	1570.0	123.0	.1	.9	.0150	.026	.026	0 49.88
[illegible]	.006	3.294	3	.0	1030.1	1030.1	1.000	172.9	1572.0	1570.0	123.0	.1	.9	.0150	.026	.026	1 49.88
527	.006	3.294	3	.0	1030.1	1030.1	1.000	172.9	1572.0	1570.0	123.0	.1	.9	.0150	.026	.026	2 49.88
527	.006	3.294	3	.0	1030.1	1030.1	1.000	172.9	1572.0	1570.0	123.0	.1	.9	.0150	.026	.026	3 49.88
527	.006	3.294	3	.0	1030.1	1030.1	1.000	172.9	1572.0	1570.0	123.0	.1	.9	.0150	.026	.026	4 49.88

527	.006	3.294	3	.0	1030.1	1030.1	1.000	172.9	1572.0	1570.0	123.0	.1	.9	.0150	.026	.026	5 49.88
528	.006	3.300	3	.0	1019.6	1019.6	1.000	172.9	1572.0	1570.0	123.1	.1	.9	.0150	.026	.026	0 49.88
528	.006	3.300	3	.0	1019.7	1019.7	1.000	172.9	1572.0	1570.0	123.1	.1	.9	.0150	.026	.026	1 49.88
[illegible]	.006	3.300	3	.0	1019.7	1019.7	1.000	172.9	1572.0	1570.0	123.1	.1	.9	.0150	.026	.026	2 49.88
[illegible]	.006	3.300	3	.0	1019.7	1019.7	1.000	172.9	1572.0	1570.0	123.1	.1	.9	.0150	.026	.026	3 49.88
528	.006	3.300	3	.0	1019.7	1019.7	1.000	172.9	1572.0	1570.0	123.1	.1	.9	.0150	.026	.026	4 49.88
528	.006	3.300	3	.0	1019.7	1019.7	1.000	172.9	1572.0	1570.0	123.1	.1	.9	.0150	.026	.025	5 49.88
529	.006	3.306	3	.0	1009.8	1009.8	1.000	173.0	1571.9	1570.0	123.1	.1	.9	.0150	.026	.025	0 49.88
529	.006	3.306	3	.0	1010.0	1010.0	1.000	173.0	1571.9	1570.0	123.1	.1	.9	.0150	.025	.025	1 49.88
529	.006	3.306	3	.0	1010.0	1010.0	1.000	173.0	1571.9	1570.0	123.1	.1	.9	.0150	.025	.025	2 49.88
529	.006	3.306	3	.0	1010.0	1010.0	1.000	173.0	1571.9	1570.0	123.1	.1	.9	.0150	.025	.026	3 49.88
529	.006	3.306	3	.0	1010.0	1010.0	1.000	173.0	1571.9	1570.0	123.1	.1	.9	.0150	.026	.026	4 49.88
529	.006	3.306	3	.0	1010.0	1010.0	1.000	173.0	1571.9	1570.0	123.1	.1	.9	.0150	.026	.025	5 49.88
530	.006	3.312	3	.0	1000.6	1000.6	1.000	173.0	1571.9	1570.0	123.2	.1	.9	.0150	.026	.025	0 49.88
530	.006	3.312	3	.0	1000.8	1000.8	1.000	173.0	1571.9	1570.0	123.2	.1	.9	.0150	.025	.025	1 49.88
530	.006	3.312	3	.0	1000.8	1000.8	1.000	173.0	1571.9	1570.0	123.2	.1	.9	.0150	.025	.025	2 49.88
530	.006	3.312	3	.0	1000.8	1000.8	1.000	173.0	1571.9	1570.0	123.2	.1	.9	.0150	.025	.025	3 49.88
530	.006	3.312	3	.0	1000.8	1000.8	1.000	173.0	1571.9	1570.0	123.2	.1	.9	.0150	.025	.025	4 49.88
530	.006	3.312	3	.0	1000.8	1000.8	1.000	173.0	1571.9	1570.0	123.2	.1	.9	.0150	.025	.025	5 49.88
531	.006	3.319	3	.0	991.9	991.9	1.000	173.1	1571.9	1570.0	123.2	.1	.9	.0150	.025	.025	0 49.88
531	.006	3.319	3	.0	992.0	992.0	1.000	173.1	1571.9	1570.0	123.2	.0	.9	.0150	.025	.025	1 49.88
531	.006	3.319	3	.0	992.0	992.0	1.000	173.1	1571.9	1570.0	123.2	.0	.9	.0150	.025	.025	2 49.88
531	.006	3.319	3	.0	992.0	992.0	1.000	173.1	1571.9	1570.0	123.2	.1	.9	.0150	.025	.025	3 49.88
531	.006	3.319	3	.0	992.0	992.0	1.000	173.1	1571.9	1570.0	123.2	.1	.9	.0150	.025	.025	4 49.88
531	.006	3.319	3	.0	992.0	992.0	1.000	173.1	1571.9	1570.0	123.2	.1	.9	.0150	.025	.025	5 49.88
532	.006	3.325	3	.0	983.7	983.7	1.000	173.1	1571.9	1570.0	123.3	.1	.9	.0150	.025	.025	0 49.88
532	.006	3.325	3	.0	983.8	983.8	1.000	173.1	1571.9	1570.0	123.3	.0	.9	.0150	.025	.025	1 49.88
532	.006	3.325	3	.0	983.8	983.8	1.000	173.1	1571.9	1570.0	123.3	.0	.9	.0150	.025	.025	2 49.88
532	.006	3.325	3	.0	983.8	983.8	1.000	173.1	1571.9	1570.0	123.3	.0	.9	.0150	.025	.025	3 49.88
[illegible]	.006	3.325	3	.0	983.8	983.8	1.000	173.1	1571.9	1570.0	123.3	.0	.9	.0150	.025	.025	4 49.88
[illegible]	.006	3.325	3	.0	983.8	983.8	1.000	173.1	1571.9	1570.0	123.3	.0	.9	.0150	.025	.025	5 49.88
533	.006	3.331	3	.0	975.9	975.9	1.000	173.2	1571.9	1570.0	123.3	.0	.9	.0150	.025	.024	0 49.88
533	.006	3.331	3	.0	976.0	976.0	1.000	173.2	1571.9	1570.0	123.3	.0	.9	.0150	.024	.024	1 49.88
533	.006	3.331	3	.0	976.0	976.0	1.000	173.2	1571.9	1570.0	123.3	.0	.9	.0150	.024	.025	2 49.88
533	.006	3.331	3	.0	976.0	976.0	1.000	173.2	1571.9	1570.0	123.3	.0	.9	.0150	.025	.025	3 49.88
533	.006	3.331	3	.0	976.0	976.0	1.000	173.2	1571.9	1570.0	123.3	.0	.9	.0150	.025	.025	4 49.88
533	.006	3.331	3	.0	976.0	976.0	1.000	173.2	1571.9	1570.0	123.3	.0	.9	.0150	.025	.024	5 49.88
534	.006	3.337	3	.0	968.6	968.6	1.000	173.2	1571.9	1570.0	123.4	.0	.9	.0150	.025	.024	0 49.88
534	.006	3.337	3	.0	968.7	968.7	1.000	173.2	1571.9	1570.0	123.4	.0	.9	.0150	.024	.024	1 49.88
534	.006	3.337	3	.0	968.7	968.7	1.000	173.2	1571.9	1570.0	123.4	.0	.9	.0150	.024	.024	2 49.88
534	.006	3.337	3	.0	968.7	968.7	1.000	173.2	1571.9	1570.0	123.4	.0	.9	.0150	.024	.024	3 49.88
534	.006	3.337	3	.0	968.7	968.7	1.000	173.2	1571.9	1570.0	123.4	.0	.9	.0150	.024	.025	4 49.88
534	.006	3.337	3	.0	968.7	968.7	1.000	173.2	1571.9	1570.0	123.4	.0	.9	.0150	.025	.024	5 49.88
535	.006	3.344	3	.0	961.8	961.8	1.000	173.3	1571.9	1570.0	123.4	.0	.9	.0150	.025	.024	0 49.88
535	.006	3.344	3	.0	961.9	961.9	1.000	173.3	1571.9	1570.0	123.4	.0	.9	.0150	.024	.024	1 49.88
535	.006	3.344	3	.0	961.9	961.9	1.000	173.3	1571.9	1570.0	123.4	.0	.9	.0150	.024	.024	2 49.88
535	.006	3.344	3	.0	961.9	961.9	1.000	173.3	1571.9	1570.0	123.4	.0	.9	.0150	.024	.024	3 49.88
535	.006	3.344	3	.0	961.9	961.9	1.000	173.3	1571.9	1570.0	123.4	.0	.9	.0150	.024	.024	4 49.88
535	.006	3.344	3	.0	961.9	961.9	1.000	173.3	1571.9	1570.0	123.4	.0	.9	.0150	.024	.024	5 49.88
536	.006	3.350	3	.0	955.2	955.2	1.000	173.3	1571.9	1570.0	123.5	.0	.9	.0150	.024	.024	0 49.88
536	.006	3.350	3	.0	955.3	955.3	1.000	173.3	1571.9	1570.0	123.5	.0	.9	.0150	.024	.024	1 49.88
536	.006	3.350	3	.0	955.3	955.3	1.000	173.3	1571.9	1570.0	123.5	.0	.9	.0150	.024	.024	2 49.88
536	.006	3.350	3	.0	955.3	955.3	1.000	173.3	1571.9	1570.0	123.5	.0	.9	.0150	.024	.024	3 49.88
536	.006	3.350	3	.0	955.3	955.3	1.000	173.3	1571.9	1570.0	123.5	.0	.9	.0150	.024	.024	4 49.88
536	.006	3.350	3	.0	955.3	955.3	1.000	173.3	1571.9	1570.0	123.5	.0	.9	.0150	.024	.024	5 49.88
[illegible]	.006	3.356	3	.0	949.2	949.2	1.000	173.3	1571.9	1570.0	123.5	.0	.9	.0150	.024	.024	0 49.88
[illegible]	.006	3.356	3	.0	949.2	949.2	1.000	173.3	1571.9	1570.0	123.5	.0	.9	.0150	.024	.024	1 49.88
537	.006	3.356	3	.0	949.2	949.2	1.000	173.3	1571.9	1570.0	123.5	.0	.9	.0150	.024	.024	2 49.88
537	.006	3.356	3	.0	949.2	949.2	1.000	173.3	1571.9	1570.0	123.5	.0	.9	.0150	.024	.024	3 49.88
537	.006	3.356	3	.0	949.2	949.2	1.000	173.3	1571.9	1570.0	123.5	.0	.9	.0150	.024	.024	4 49.88

537	.006	3.356	3	.0	949.3	949.3	1.000	173.3	1571.9	1570.0	123.5	.0	.9	.0150	.024	.024	5 49.88
538	.006	3.362	3	.0	943.4	943.4	1.000	173.4	1571.8	1570.0	123.6	.0	.9	.0150	.024	.024	0 49.88
538	.006	3.362	3	.0	943.5	943.5	1.000	173.4	1571.8	1570.0	123.6	.0	.9	.0150	.024	.024	1 49.88
[illegible]	.006	3.362	3	.0	943.5	943.5	1.000	173.4	1571.8	1570.0	123.6	.0	.9	.0150	.024	.024	2 49.88
[illegible]	.006	3.362	3	.0	943.5	943.5	1.000	173.4	1571.8	1570.0	123.6	.0	.9	.0150	.024	.024	3 49.88
538	.006	3.362	3	.0	943.5	943.5	1.000	173.4	1571.8	1570.0	123.6	.0	.9	.0150	.024	.024	4 49.88
538	.006	3.362	3	.0	943.5	943.5	1.000	173.4	1571.8	1570.0	123.6	.0	.9	.0150	.024	.023	5 49.88
539	.006	3.369	3	.0	938.0	938.0	1.000	173.4	1571.8	1570.0	123.6	.0	.9	.0150	.024	.023	0 49.88
539	.006	3.369	3	.0	938.1	938.1	1.000	173.4	1571.8	1570.0	123.6	.0	.9	.0150	.023	.023	1 49.88
539	.006	3.369	3	.0	938.1	938.1	1.000	173.4	1571.8	1570.0	123.6	.0	.9	.0150	.023	.024	2 49.88
539	.006	3.369	3	.0	938.1	938.1	1.000	173.4	1571.8	1570.0	123.6	.0	.9	.0150	.024	.024	3 49.88
539	.006	3.369	3	.0	938.1	938.1	1.000	173.4	1571.8	1570.0	123.6	.0	.9	.0150	.024	.024	4 49.88
539	.006	3.369	3	.0	938.1	938.1	1.000	173.4	1571.8	1570.0	123.6	.0	.9	.0150	.024	.023	5 49.88
540	.006	3.375	3	.0	932.9	932.9	1.000	173.5	1571.8	1570.0	123.7	.0	.9	.0150	.024	.023	0 49.88
540	.006	3.375	3	.0	933.0	933.0	1.000	173.5	1571.8	1570.0	123.7	.0	.9	.0150	.023	.023	1 49.88
540	.006	3.375	3	.0	933.0	933.0	1.000	173.5	1571.8	1570.0	123.7	.0	.9	.0150	.023	.023	2 49.88
540	.006	3.375	3	.0	933.0	933.0	1.000	173.5	1571.8	1570.0	123.7	.0	.9	.0150	.023	.023	3 49.88
540	.006	3.375	3	.0	933.0	933.0	1.000	173.5	1571.8	1570.0	123.7	.0	.9	.0150	.023	.024	4 49.88
540	.006	3.375	3	.0	933.0	933.0	1.000	173.5	1571.8	1570.0	123.7	.0	.9	.0150	.024	.024	5 49.88
541	.006	3.381	3	.0	928.1	928.1	1.000	173.5	1571.8	1570.0	123.7	.0	.9	.0150	.024	.023	0 49.88
541	.006	3.381	3	.0	928.2	928.2	1.000	173.5	1571.8	1570.0	123.7	.0	.9	.0150	.023	.023	1 49.88
541	.006	3.381	3	.0	928.2	928.2	1.000	173.5	1571.8	1570.0	123.7	.0	.9	.0150	.023	.023	2 49.88
541	.006	3.381	3	.0	928.2	928.2	1.000	173.5	1571.8	1570.0	123.7	.0	.9	.0150	.023	.023	3 49.88
541	.006	3.381	3	.0	928.2	928.2	1.000	173.5	1571.8	1570.0	123.7	.0	.9	.0150	.023	.023	4 49.88
541	.006	3.381	3	.0	928.2	928.2	1.000	173.5	1571.8	1570.0	123.7	.0	.9	.0150	.023	.023	5 49.88
542	.006	3.387	3	.0	923.5	923.5	1.000	173.6	1571.8	1570.0	123.7	.0	.9	.0150	.023	.023	0 49.88
542	.006	3.387	3	.0	923.6	923.6	1.000	173.6	1571.8	1570.0	123.7	.0	.9	.0150	.023	.023	1 49.88
542	.006	3.387	3	.0	923.6	923.6	1.000	173.6	1571.8	1570.0	123.7	.0	.9	.0150	.023	.023	2 49.88
542	.006	3.387	3	.0	923.6	923.6	1.000	173.6	1571.8	1570.0	123.7	.0	.9	.0150	.023	.023	3 49.88
[illegible]	.006	3.387	3	.0	923.6	923.6	1.000	173.6	1571.8	1570.0	123.7	.0	.9	.0150	.023	.023	4 49.88
[illegible]	.006	3.387	3	.0	923.6	923.6	1.000	173.6	1571.8	1570.0	123.7	.0	.9	.0150	.023	.023	5 49.88
543	.006	3.394	3	.0	919.3	919.3	1.000	173.6	1571.8	1570.0	123.8	.0	.9	.0150	.023	.023	0 49.88
543	.006	3.394	3	.0	919.4	919.4	1.000	173.6	1571.8	1570.0	123.8	.0	.9	.0150	.023	.023	1 49.88
543	.006	3.394	3	.0	919.4	919.4	1.000	173.6	1571.8	1570.0	123.8	.0	.9	.0150	.023	.023	2 49.88
543	.006	3.394	3	.0	919.4	919.4	1.000	173.6	1571.8	1570.0	123.8	.0	.9	.0150	.023	.023	3 49.88
543	.006	3.394	3	.0	919.4	919.4	1.000	173.6	1571.8	1570.0	123.8	.0	.9	.0150	.023	.023	4 49.88
543	.006	3.394	3	.0	919.4	919.4	1.000	173.6	1571.8	1570.0	123.8	.0	.9	.0150	.023	.023	5 49.88
544	.006	3.400	3	.0	915.3	915.3	1.000	173.7	1571.8	1570.0	123.8	.0	.9	.0150	.023	.023	0 49.88
544	.006	3.400	3	.0	915.4	915.4	1.000	173.7	1571.8	1570.0	123.8	.0	.9	.0150	.023	.023	1 49.88
544	.006	3.400	3	.0	915.4	915.4	1.000	173.7	1571.8	1570.0	123.8	.0	.9	.0150	.023	.023	2 49.88
544	.006	3.400	3	.0	915.4	915.4	1.000	173.7	1571.8	1570.0	123.8	.0	.9	.0150	.023	.023	3 49.88
544	.006	3.400	3	.0	915.4	915.4	1.000	173.7	1571.8	1570.0	123.8	.0	.9	.0150	.023	.023	4 49.88
544	.006	3.400	3	.0	915.4	915.4	1.000	173.7	1571.8	1570.0	123.8	.0	.9	.0150	.023	.023	5 49.88
545	.006	3.406	3	.0	911.6	911.6	1.000	173.7	1571.8	1570.0	123.9	.0	.9	.0150	.023	.023	0 49.88
545	.006	3.406	3	.0	911.6	911.6	1.000	173.7	1571.8	1570.0	123.9	.0	.9	.0150	.023	.023	1 49.88
545	.006	3.406	3	.0	911.6	911.6	1.000	173.7	1571.8	1570.0	123.9	.0	.9	.0150	.023	.023	2 49.88
545	.006	3.406	3	.0	911.6	911.6	1.000	173.7	1571.8	1570.0	123.9	.0	.8	.0150	.023	.023	3 49.88
545	.006	3.406	3	.0	911.6	911.6	1.000	173.7	1571.8	1570.0	123.9	.0	.8	.0150	.023	.023	4 49.88
545	.006	3.406	3	.0	911.6	911.6	1.000	173.7	1571.8	1570.0	123.9	.0	.9	.0150	.023	.023	5 49.88
546	.006	3.412	3	.0	908.1	908.1	1.000	173.8	1571.8	1570.0	123.9	.0	.9	.0150	.023	.023	0 49.88
546	.006	3.412	3	.0	908.1	908.1	1.000	173.8	1571.8	1570.0	123.9	.0	.8	.0150	.023	.023	1 49.88
546	.006	3.412	3	.0	908.1	908.1	1.000	173.8	1571.8	1570.0	123.9	.0	.8	.0150	.023	.023	2 49.88
546	.006	3.412	3	.0	908.1	908.1	1.000	173.8	1571.8	1570.0	123.9	.0	.8	.0150	.023	.023	3 49.88
546	.006	3.412	3	.0	908.1	908.1	1.000	173.8	1571.8	1570.0	123.9	.0	.9	.0150	.023	.023	4 49.88
546	.006	3.412	3	.0	908.1	908.1	1.000	173.8	1571.8	1570.0	123.9	.0	.9	.0150	.023	.023	5 49.88
[illegible]	.006	3.419	3	.0	904.8	904.8	1.000	173.8	1571.8	1570.0	124.0	.0	.8	.0150	.023	.023	0 49.88
[illegible]	.006	3.419	3	.0	904.8	904.8	1.000	173.8	1571.8	1570.0	124.0	.0	.8	.0150	.023	.023	1 49.88
547	.006	3.419	3	.0	904.8	904.8	1.000	173.8	1571.8	1570.0	124.0	.0	.9	.0150	.023	.023	2 49.88
547	.006	3.419	3	.0	904.8	904.8	1.000	173.8	1571.8	1570.0	124.0	.0	.9	.0150	.023	.023	3 49.88
547	.006	3.419	3	.0	904.8	904.8	1.000	173.8	1571.8	1570.0	124.0	.0	.8	.0150	.023	.023	4 49.88

547	.006	3.419	3	.0	904.8	904.8	1.000	173.8	1571.8	1570.0	124.0	.0	.8	.0150	.023	.023	5 49.88
548	.006	3.425	3	.0	901.6	901.6	1.000	173.9	1571.8	1570.0	124.0	.0	.8	.0150	.023	.023	0 49.88
548	.006	3.425	3	.0	901.6	901.6	1.000	173.9	1571.8	1570.0	124.0	.0	.9	.0150	.023	.022	1 49.88
[illegible]	.006	3.425	3	.0	901.6	901.6	1.000	173.9	1571.8	1570.0	124.0	.0	.8	.0150	.022	.022	2 49.88
548	.006	3.425	3	.0	901.6	901.6	1.000	173.9	1571.8	1570.0	124.0	.0	.8	.0150	.022	.023	3 49.88
548	.006	3.425	3	.0	901.6	901.6	1.000	173.9	1571.8	1570.0	124.0	.0	.8	.0150	.023	.023	4 49.88
548	.006	3.425	3	.0	901.6	901.6	1.000	173.9	1571.8	1570.0	124.0	.0	.8	.0150	.023	.023	5 49.88
549	.006	3.431	3	.0	898.7	898.7	1.000	173.9	1571.8	1570.0	124.1	.0	.8	.0150	.023	.022	0 49.88
549	.006	3.431	3	.0	898.7	898.7	1.000	173.9	1571.8	1570.0	124.1	.0	.8	.0150	.022	.022	1 49.88
549	.006	3.431	3	.0	898.7	898.7	1.000	173.9	1571.8	1570.0	124.1	.0	.8	.0150	.022	.022	2 49.88
549	.006	3.431	3	.0	898.7	898.7	1.000	173.9	1571.8	1570.0	124.1	.0	.8	.0150	.022	.023	3 49.88
549	.006	3.431	3	.0	898.7	898.7	1.000	173.9	1571.8	1570.0	124.1	.0	.8	.0150	.023	.023	4 49.88
549	.006	3.431	3	.0	898.7	898.7	1.000	173.9	1571.8	1570.0	124.1	.0	.8	.0150	.023	.023	5 49.88
550	.006	3.437	3	.0	896.0	896.0	1.000	173.9	1571.8	1570.0	124.1	.0	.8	.0150	.023	.022	0 49.88

I	Step Time Step (hr) DTH	Elpse Time (hr) T	Fail Code KG	Spillway Outflow (cfs) QTS	Breach Outflow (cfs) QB	Total Outflow (cfs) QTOT	Sbmrg Crctn Factr SUB	Brech Top Width (ft) BT	Rsrvor W. S. Elev. (ft - MSL) HY	Breach Bottom Elev. (ft - MSL) HC	Brech Bottm Width (ft) BO	Breach Width Incres (ft) PPP	Breach Flow Depth (ft) HP	Brech Manig (n) CNN	Estmte Erosin Depth Incrse (ft) DH	Comput Erosin Depth Incrse (ft) DHH	Itrtn Count KIT	Brech Vrtcl Side Angle (deg) ALG
550	.006	3.437	3	.0	896.0	896.0	1.000	173.9	1571.8	1570.0	124.1	.0	.8	.0150	.022	.022	1	49.88
550	.006	3.437	3	.0	896.0	896.0	1.000	173.9	1571.8	1570.0	124.1	.0	.8	.0150	.022	.022	2	49.88
550	.006	3.437	3	.0	896.0	896.0	1.000	173.9	1571.8	1570.0	124.1	.0	.8	.0150	.022	.023	3	49.88
550	.006	3.437	3	.0	896.0	896.0	1.000	173.9	1571.8	1570.0	124.1	.0	.8	.0150	.023	.023	4	49.88
550	.006	3.437	3	.0	896.0	896.0	1.000	173.9	1571.8	1570.0	124.1	.0	.8	.0150	.023	.023	5	49.88
551	.006	3.444	3	.0	893.4	893.4	1.000	174.0	1571.8	1570.0	124.2	.0	.8	.0150	.023	.022	0	49.88
551	.006	3.444	3	.0	893.4	893.4	1.000	174.0	1571.8	1570.0	124.2	.0	.8	.0150	.022	.022	1	49.88
551	.006	3.444	3	.0	893.4	893.4	1.000	174.0	1571.8	1570.0	124.2	.0	.8	.0150	.022	.022	2	49.88
551	.006	3.444	3	.0	893.4	893.4	1.000	174.0	1571.8	1570.0	124.2	.0	.8	.0150	.022	.023	3	49.88
551	.006	3.444	3	.0	893.4	893.4	1.000	174.0	1571.8	1570.0	124.2	.0	.8	.0150	.023	.023	4	49.88
551	.006	3.444	3	.0	893.4	893.4	1.000	174.0	1571.8	1570.0	124.2	.0	.8	.0150	.023	.022	5	49.88
552	.006	3.450	3	.0	890.9	890.9	1.000	174.0	1571.8	1570.0	124.2	.0	.8	.0150	.023	.022	0	49.88
552	.006	3.450	3	.0	891.0	891.0	1.000	174.0	1571.8	1570.0	124.2	.0	.8	.0150	.022	.022	1	49.88
552	.006	3.450	3	.0	891.0	891.0	1.000	174.0	1571.8	1570.0	124.2	.0	.8	.0150	.022	.022	2	49.88
552	.006	3.450	3	.0	891.0	891.0	1.000	174.0	1571.8	1570.0	124.2	.0	.8	.0150	.022	.023	3	49.88
[illegible]	.006	3.450	3	.0	891.0	891.0	1.000	174.0	1571.8	1570.0	124.2	.0	.8	.0150	.023	.023	4	49.88
[illegible]	.006	3.450	3	.0	891.0	891.0	1.000	174.0	1571.8	1570.0	124.2	.0	.8	.0150	.023	.022	5	49.88
553	.006	3.456	3	.0	888.7	888.7	1.000	174.1	1571.8	1570.0	124.3	.0	.8	.0150	.023	.022	0	49.88
553	.006	3.456	3	.0	888.8	888.8	1.000	174.1	1571.8	1570.0	124.2	.0	.8	.0150	.022	.022	1	49.88
553	.006	3.456	3	.0	888.7	888.7	1.000	174.1	1571.8	1570.0	124.2	.0	.8	.0150	.022	.022	2	49.88
553	.006	3.456	3	.0	888.8	888.8	1.000	174.1	1571.8	1570.0	124.2	.0	.8	.0150	.022	.023	3	49.88
553	.006	3.456	3	.0	888.7	888.7	1.000	174.1	1571.8	1570.0	124.3	.0	.8	.0150	.023	.023	4	49.88
553	.006	3.456	3	.0	888.8	888.8	1.000	174.1	1571.8	1570.0	124.3	.0	.8	.0150	.023	.022	5	49.88
554	.006	3.462	3	.0	886.6	886.6	1.000	174.1	1571.8	1570.0	124.3	.0	.8	.0150	.023	.022	0	49.88
554	.006	3.462	3	.0	886.6	886.6	1.000	174.1	1571.8	1570.0	124.3	.0	.8	.0150	.022	.022	1	49.88
554	.006	3.462	3	.0	886.6	886.6	1.000	174.1	1571.8	1570.0	124.3	.0	.8	.0150	.022	.022	2	49.88
554	.006	3.462	3	.0	886.6	886.6	1.000	174.1	1571.8	1570.0	124.3	.0	.8	.0150	.022	.023	3	49.88
554	.006	3.462	3	.0	886.6	886.6	1.000	174.1	1571.8	1570.0	124.3	.0	.8	.0150	.023	.022	4	49.88
554	.006	3.462	3	.0	886.6	886.6	1.000	174.1	1571.8	1570.0	124.3	.0	.8	.0150	.022	.022	5	49.88
555	.006	3.469	3	.0	884.6	884.6	1.000	174.2	1571.8	1570.0	124.3	.0	.8	.0150	.022	.022	0	49.88
555	.006	3.469	3	.0	884.6	884.6	1.000	174.2	1571.8	1570.0	124.3	.0	.8	.0150	.022	.022	1	49.88
555	.006	3.469	3	.0	884.6	884.6	1.000	174.2	1571.8	1570.0	124.3	.0	.8	.0150	.022	.022	2	49.88
555	.006	3.469	3	.0	884.6	884.6	1.000	174.2	1571.8	1570.0	124.3	.0	.8	.0150	.022	.023	3	49.88
555	.006	3.469	3	.0	884.6	884.6	1.000	174.2	1571.8	1570.0	124.3	.0	.8	.0150	.023	.022	4	49.88
555	.006	3.469	3	.0	884.6	884.6	1.000	174.2	1571.8	1570.0	124.3	.0	.8	.0150	.022	.022	5	49.88
556	.006	3.475	3	.0	882.6	882.6	1.000	174.2	1571.8	1570.0	124.4	.0	.8	.0150	.022	.022	0	49.88
556	.006	3.475	3	.0	882.6	882.6	1.000	174.2	1571.8	1570.0	124.4	.0	.8	.0150	.022	.022	1	49.88
556	.006	3.475	3	.0	882.7	882.7	1.000	174.2	1571.8	1570.0	124.4	.0	.8	.0150	.022	.022	2	49.88
556	.006	3.475	3	.0	882.7	882.7	1.000	174.2	1571.8	1570.0	124.4	.0	.8	.0150	.022	.022	3	49.88
556	.006	3.475	3	.0	882.6	882.6	1.000	174.2	1571.8	1570.0	124.4	.0	.8	.0150	.022	.022	4	49.88
556	.006	3.475	3	.0	882.6	882.6	1.000	174.2	1571.8	1570.0	124.4	.0	.8	.0150	.022	.022	5	49.88
[illegible]	.006	3.481	3	.0	880.8	880.8	1.000	174.3	1571.8	1570.0	124.4	.0	.8	.0150	.022	.022	0	49.88
[illegible]	.006	3.481	3	.0	880.9	880.9	1.000	174.3	1571.8	1570.0	124.4	.0	.8	.0150	.022	.022	1	49.88
557	.006	3.481	3	.0	880.9	880.9	1.000	174.3	1571.8	1570.0	124.4	.0	.8	.0150	.022	.022	2	49.88
557	.006	3.481	3	.0	880.9	880.9	1.000	174.3	1571.8	1570.0	124.4	.0	.8	.0150	.022	.022	3	49.88
557	.006	3.481	3	.0	880.9	880.9	1.000	174.3	1571.8	1570.0	124.4	.0	.8	.0150	.022	.022	4	49.88

557	.006	3.481	3	.0	880.9	880.9	1.000	174.3	1571.8	1570.0	124.4	.0	.8	.0150	.022	.022	5 49.88
558	.006	3.487	3	.0	879.2	879.2	1.000	174.3	1571.8	1570.0	124.5	.0	.8	.0150	.022	.022	0 49.88
558	.006	3.487	3	.0	879.2	879.2	1.000	174.3	1571.8	1570.0	124.5	.0	.8	.0150	.022	.022	1 49.88
558	.006	3.487	3	.0	879.2	879.2	1.000	174.3	1571.8	1570.0	124.5	.0	.8	.0150	.022	.022	2 49.88
558	.006	3.487	3	.0	879.2	879.2	1.000	174.3	1571.8	1570.0	124.5	.0	.8	.0150	.022	.022	3 49.88
558	.006	3.487	3	.0	879.2	879.2	1.000	174.3	1571.8	1570.0	124.5	.0	.8	.0150	.022	.022	4 49.88
558	.006	3.487	3	.0	879.2	879.2	1.000	174.3	1571.8	1570.0	124.5	.0	.8	.0150	.022	.022	5 49.88
559	.006	3.494	3	.0	877.6	877.6	1.000	174.3	1571.8	1570.0	124.5	.0	.8	.0150	.022	.022	0 49.88
559	.006	3.494	3	.0	877.6	877.6	1.000	174.3	1571.8	1570.0	124.5	.0	.8	.0150	.022	.022	1 49.88
559	.006	3.494	3	.0	877.6	877.6	1.000	174.3	1571.8	1570.0	124.5	.0	.8	.0150	.022	.022	2 49.88
559	.006	3.494	3	.0	877.6	877.6	1.000	174.3	1571.8	1570.0	124.5	.0	.8	.0150	.022	.022	3 49.88
559	.006	3.494	3	.0	877.6	877.6	1.000	174.3	1571.8	1570.0	124.5	.0	.8	.0150	.022	.022	4 49.88
559	.006	3.494	3	.0	877.6	877.6	1.000	174.3	1571.8	1570.0	124.5	.0	.8	.0150	.022	.022	5 49.88
560	.006	3.500	3	.0	876.2	876.2	1.000	174.4	1571.8	1570.0	124.6	.0	.8	.0150	.022	.022	0 49.88
560	.006	3.500	3	.0	876.2	876.2	1.000	174.4	1571.8	1570.0	124.6	.0	.8	.0150	.022	.022	1 49.88
560	.006	3.500	3	.0	876.2	876.2	1.000	174.4	1571.8	1570.0	124.6	.0	.8	.0150	.022	.021	2 49.88
560	.006	3.500	3	.0	876.2	876.2	1.000	174.4	1571.8	1570.0	124.6	.0	.8	.0150	.021	.022	3 49.88
560	.006	3.500	3	.0	876.2	876.2	1.000	174.4	1571.8	1570.0	124.6	.0	.8	.0150	.022	.022	4 49.88
560	.006	3.500	3	.0	876.2	876.2	1.000	174.4	1571.8	1570.0	124.6	.0	.8	.0150	.022	.022	5 49.88
561	.006	3.506	3	.0	874.8	874.8	1.000	174.4	1571.7	1570.0	124.6	.0	.8	.0150	.022	.022	0 49.88
561	.006	3.506	3	.0	874.8	874.8	1.000	174.4	1571.7	1570.0	124.6	.0	.8	.0150	.022	.022	1 49.88
561	.006	3.506	3	.0	874.8	874.8	1.000	174.4	1571.7	1570.0	124.6	.0	.8	.0150	.022	.021	2 49.88
561	.006	3.506	3	.0	874.8	874.8	1.000	174.4	1571.7	1570.0	124.6	.0	.8	.0150	.021	.022	3 49.88
561	.006	3.506	3	.0	874.8	874.8	1.000	174.4	1571.7	1570.0	124.6	.0	.8	.0150	.022	.022	4 49.88
561	.006	3.506	3	.0	874.8	874.8	1.000	174.4	1571.7	1570.0	124.6	.0	.8	.0150	.022	.022	5 49.88

SUMMARY OF OUTPUT RESULTS :

GENERAL RESULTS :

Total Number of Iterations	0
Time of Breach Failure (hr, TFHI)	1.69
Total Time-Steps Used (I)	561
Total Elapsed Time (hr, T)	3.506
Outflow Hydrograph Rising Limb Duration (hr, TRS)	1.338
Time at which Significant Rise in Outflow Begins (hr, TB)	.000
Dam Top Elevation (ft MSL, HU)	1591.00
Outflow at Time Zero (cfs, QO)	.0
Simplified Time of Breach Failure (hr, TFH)	2.627

TFH - Time of failure (hr) which is a linear equivalent of the outflow hydrograph rising limb duration (TRS) obtained by using the simplified dam-break discharge equation.

TFHI - Time of failure (hr) which is a linear equivalent of the outflow hydrograph rising limb duration (TRS) obtained by integrating breach outflow (QB) versus time from T=0 to T=Peak Outflow (TP).

OUTPUT RESULTS AT TIME OF PEAK OUTFLOW :

Elapsed Time (hr, TP)	1.344
Spillway Outflow (cfs)	624.
Breach Outflow (cfs, QBP)	6908.
Total Outflow (cfs, QP)	7532.
Breach Top Width (ft, BRW)	101.8
Breach Bottom Width (ft, BO)	51.9
Breach Side Slope Relative to Vertical (degrees, Z)	49.87

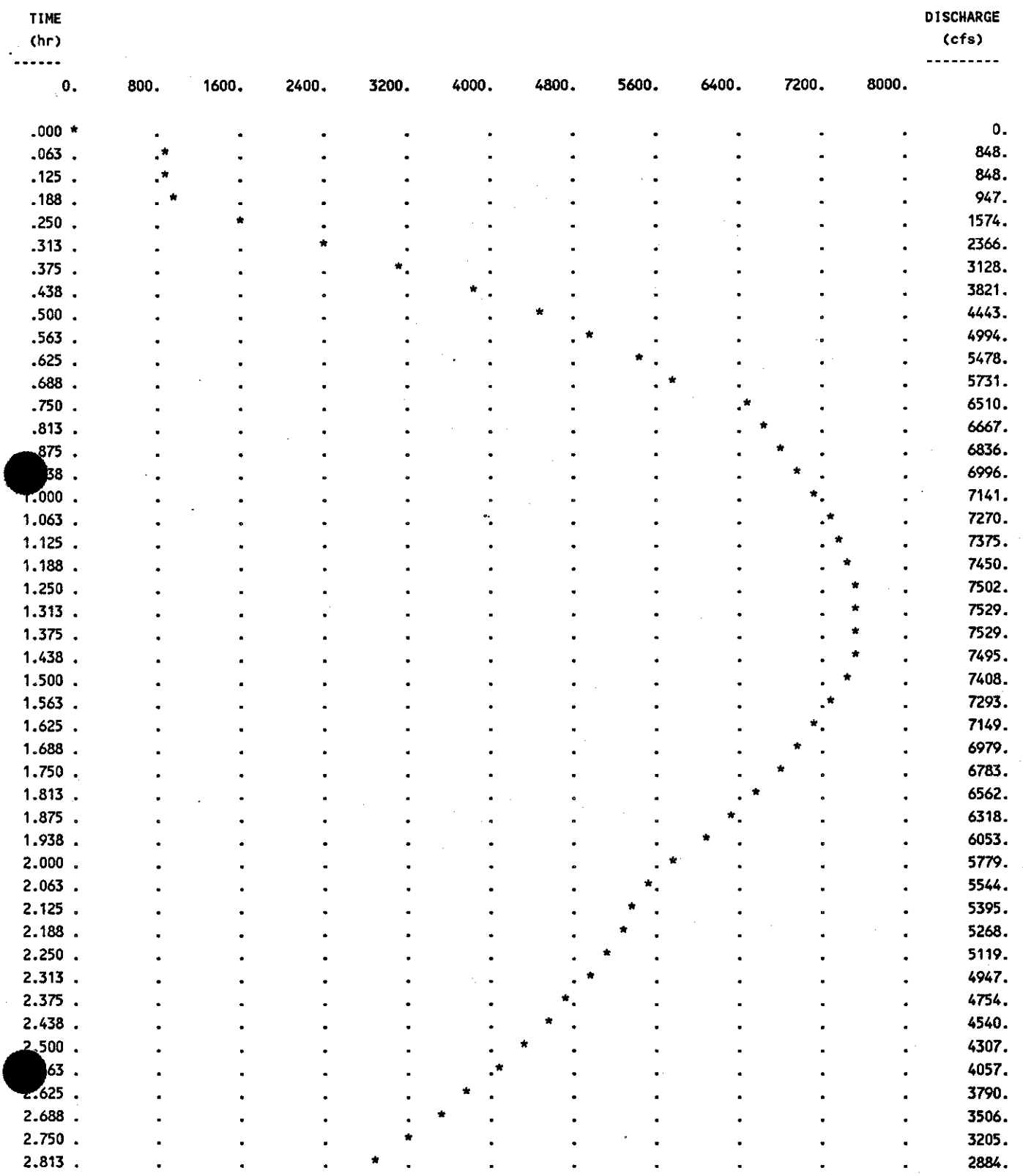
OUTPUT RESULTS AT END OF BREACH ANALYSIS :

Breach Depth (ft, BRD)	21.0
Breach Bottom Elevation (ft MSL, HC)	1570.0
Breach Side Slope Relative to Vertical (degrees, AGL)	49.88
Reservoir Water Surface Elevation (ft MSL, HY)	1571.7

PROJECT TITLE : PIPING BREACH ANALYSIS

PROJECT NUMBER : S-22 SPOOK HILL FRS 6/27/1990

OUTPUT HYDROGRAPH PLOT :



```
2.875 .      .      .      .*     .      .      .      .      .      .      .      2556.
2.938 .      .      .     *.      .      .      .      .      .      .      .      2248.
3.000 .      .      .    *.      .      .      .      .      .      .      .      1964.
3.063 .      .      .*     .      .      .      .      .      .      .      .      1705.
3.125 .      .     *.      .      .      .      .      .      .      .      .      1476.
3.188 .      .    *.       .      .      .      .      .      .      .      .      1278.
3.250 .      .   *.        .      .      .      .      .      .      .      .      1118.
3.313 .      .  *.         .      .      .      .      .      .      .      .      1001.
3.375 .      . *.          .      .      .      .      .      .      .      .       933.
3.438 .      .*            .      .      .      .      .      .      .      .       896.
3.500 .      .*            .      .      .      .      .      .      .      .       876.
```

END OF OUTPUT

*** DIFFUSION ROUTING ***

MIN. TIMESTEP(SEC.) = .50
MAX. TIMESTEP(SEC.) = 30.00
INCREASED TIMESTEP INTERVAL (SEC.) = .50
DECREASED TIMESTEP INTERVAL (SEC.) = .50
TOTAL SIMULATION(HOUR) = 10.00
UPDATE INTERVAL(TIMESTEPS) = 1
OUTPUT INTERVAL(HOUR) = .25
NUMBER OF NODAL POINTS FOR FLOOD PLAIN = 250
UNIFORM GRID SIDE(FEET) = 1000.000
NUMBER OF NODAL POINTS FOR CHANNEL = 0
RETENTION WATER DEPTH(FEET) = .2500
TOLERANCE OF CHANGE IN WATER DEPTH(FEET) = *****
PERCENTAGE OF CHANGE IN WATER DEPTH = 10.0 %

DHM EMERGENCY SPILLWAY OPERATION
10 HOUR SIMULATION

USED TO PREPARE INUNDATION MAPS

COMPARE TO 15-HOUR SIMULATION-
NEGLIBLE DIFFERENCES

STDSPLB.DAT :filename

NODAL POINT DATA ENTRY:

*** FLOOD PLAIN INFORMATION ***
NC = CENTRAL GRID NODE
NN,NE,NS,NW = NORTH, EAST, SOUTH, WEST NODAL POINTS
NBAR = NODAL POINT MANNINGS ROUGHNESS COEFFICIENT
(NEGATIVE SIGN INDICATES A CHANNEL PASSING THROUGH)
ELEV = NODAL POINT ELEVATION
DEPTH = INITIAL WATER DEPTH AT NODE

NC	NN	NE	NS	NW	NBAR	ELEV.	DEPTH
1	169	245	156	2	.0200	1381.0	.0
2	199	1	180	3	.0200	1375.0	.0
3	200	2	186	4	.0250	1370.0	.0
4	5	3	187	48	.0250	1365.0	.0
5	6	200	4	47	.0250	1365.0	.0
6	24	201	5	28	.0250	1364.0	.0
7	0	0	8	18	.0180	1565.0	.0
8	7	0	9	17	.0250	1561.0	.0
9	8	0	10	16	.0250	1558.0	.0
10	9	0	11	15	.0250	1569.0	.0
11	10	0	12	14	.0250	1568.0	.0
12	11	0	0	13	.0250	1567.0	.0
13	14	12	0	36	.0250	1542.0	.0
14	15	11	13	35	.0250	1541.0	.0
15	16	10	14	34	.0250	1540.0	.0
16	17	9	15	33	.0180	1540.0	.0
17	18	8	16	32	.0250	1541.0	.0
18	19	7	17	31	.0180	1542.0	.0
19	0	0	18	30	.0250	1545.0	.0
20	238	21	25	95	.0250	1362.0	.0
21	227	205	22	20	.0250	1360.0	.0
22	21	204	23	25	.0250	1369.0	.0
23	22	203	24	26	.0250	1368.0	.0
24	23	202	6	27	.0250	1365.0	.0
25	20	22	26	74	.0250	1365.0	.0
26	25	23	27	73	.0250	1363.0	.0
27	26	24	28	72	.0350	1361.0	.0
28	27	6	47	51	.0250	1358.0	.0
29	0	0	30	44	.0250	1523.0	.0

30	29	19	31	43	.0180	1521.0	.0
31	30	18	32	42	.0350	1521.0	.0
32	31	17	33	41	.0250	1522.0	.0
33	32	16	34	40	.0250	1520.0	.0
34	33	15	35	39	.0350	1521.0	.0
35	34	14	36	38	.0250	1525.0	.0
36	35	13	0	37	.0250	1525.0	.0
37	38	36	0	60	.0350	1510.0	.0
38	39	35	37	59	.0250	1506.0	.0
39	40	34	38	58	.0350	1502.0	.0
40	41	33	39	57	.0180	1515.0	.0
41	42	32	40	56	.0250	1505.0	.0
42	43	31	41	55	.0250	1503.0	.0
43	44	30	42	54	.0180	1501.0	.0
44	45	29	43	53	.0250	1499.0	.0
45	46	0	44	52	.0250	1498.0	.0
46	248	0	45	0	.0250	1495.0	.0
47	28	5	48	50	.0250	1359.0	.0
48	47	4	213	49	.0250	1359.0	.0
49	50	48	214	0	.0250	1349.0	.0
50	51	47	49	0	.0250	1349.0	.0
51	72	28	50	0	.0200	1350.0	.0
52	0	45	53	70	.0250	1477.0	.0
53	52	44	54	69	.0250	1476.0	.0
54	53	43	55	68	.0250	1478.0	.0
55	54	42	56	67	.0180	1478.0	.0
56	55	41	57	66	.0250	1486.0	.0
57	56	40	58	65	.0180	1482.0	.0
58	57	39	59	64	.0250	1487.0	.0
59	58	38	60	63	.0250	1478.0	.0
60	59	37	61	62	.0350	1494.0	.0
61	60	0	0	0	.0350	1496.0	.0
62	63	60	0	215	.0250	1476.0	.0
63	64	59	62	85	.0350	1473.0	.0
64	65	58	63	83	.0350	1470.0	.0
65	66	57	64	82	.0250	1466.0	.0
66	67	56	65	81	.0250	1466.0	.0
67	68	55	66	80	.0180	1461.0	.0
68	69	54	67	79	.0250	1458.0	.0
69	70	53	68	78	.0250	1455.0	.0
70	71	52	69	77	.0250	1454.0	.0
71	0	0	70	76	.0250	1457.0	.0
72	73	27	51	235	.0250	1356.0	.0
73	74	26	72	126	.0250	1360.0	.0
74	95	25	73	125	.0250	1363.0	.0
75	0	0	76	0	.0200	1440.0	.0
76	75	71	77	94	.0250	1430.0	.0
77	76	70	78	93	.0250	1431.0	.0
78	77	69	79	92	.0250	1435.0	.0
79	78	68	80	92	.0250	1440.0	.0
80	79	67	81	90	.0250	1445.0	.0
81	80	66	82	89	.0250	1448.0	.0
82	81	65	83	88	.0250	1446.0	.0
83	82	64	84	87	.0350	1449.0	.0
84	83	0	85	86	.0350	1452.0	.0
85	84	63	215	217	.0350	1457.0	.0
86	87	84	217	218	.0350	1442.0	.0
87	88	83	86	108	.0350	1436.0	.0
88	89	82	87	107	.0250	1432.0	.0
89	90	81	88	105	.0250	1432.0	.0

90	91	80	89	104	.0250	1431.0	.0
91	92	79	90	103	.0250	1425.0	.0
92	93	78	91	102	.0250	1421.0	.0
93	94	77	92	101	.0250	1432.0	.0
94	0	76	93	100	.0200	1440.0	.0
95	96	20	74	124	.0250	1363.0	.0
96	97	238	95	123	.0250	200.0	.0
97	98	237	96	122	.0250	1305.0	.0
98	99	236	97	121	.0250	1270.0	.0
99	118	0	98	120	.0250	1260.0	.0
100	0	94	101	117	.0200	1430.0	.0
101	100	93	102	116	.0200	1429.0	.0
102	101	92	103	115	.0200	1411.0	.0
103	102	91	104	114	.0200	1411.0	.0
104	103	90	105	113	.0200	1414.0	.0
105	104	89	106	112	.0250	1413.0	.0
106	105	0	107	111	.0250	1415.0	.0
107	106	88	108	110	.0350	1417.0	.0
108	107	87	218	109	.0450	1423.0	.0
109	110	108	223	137	.0450	1410.0	.0
110	111	107	109	136	.0350	1405.0	.0
111	112	106	110	135	.0250	1403.0	.0
112	113	105	111	134	.0250	1396.0	.0
113	114	104	112	133	.0250	1398.0	.0
114	115	103	113	132	.0250	1400.0	.0
115	116	102	114	131	.0200	1385.0	.0
116	117	101	115	130	.0200	1400.0	.0
117	0	100	116	129	.0200	1388.0	.0
118	0	0	99	119	.0250	1265.0	.0
119	0	118	120	153	.0250	1260.0	.0
120	119	99	121	152	.0250	1258.0	.0
121	120	98	122	151	.0250	1260.0	.0
122	121	97	123	148	.0250	1300.0	.0
123	122	96	124	147	.0250	200.0	.0
124	123	95	125	128	.0250	1355.0	.0
125	124	74	126	127	.0250	1358.0	.0
126	125	73	235	0	.0200	1353.0	.0
127	128	125	0	0	.0250	1351.0	.0
128	147	124	127	247	.0250	200.0	.0
129	0	117	130	145	.0200	1430.0	.0
130	129	116	131	144	.0200	1375.0	.0
131	130	115	132	143	.0250	1380.0	.0
132	131	114	133	142	.0250	1385.0	.0
133	132	113	134	141	.0350	1380.0	.0
134	133	112	135	140	.0250	1385.0	.0
135	134	111	136	139	.0250	1385.0	.0
136	135	110	137	138	.0250	1383.0	.0
137	136	109	224	239	.0450	1402.0	.0
138	139	136	239	167	.0250	1391.0	.0
139	140	135	138	166	.0250	1384.0	.0
140	141	134	139	165	.0350	1371.0	.0
141	142	133	140	164	.0250	1365.0	.0
142	143	132	141	163	.0250	1375.0	.0
143	144	131	142	162	.0250	1379.0	.0
144	145	130	143	161	.0250	1363.0	.0
145	146	129	144	160	.0200	1350.0	.0
146	0	0	145	159	.0200	1365.0	.0
147	148	123	128	246	.0250	1292.0	.0
148	151	122	147	185	.0250	1296.0	.0
149	0	125	148	156	.0250	200.0	.0

150	0	0	149	155	.0250	200.0	.0
151	152	121	148	184	.0250	1257.0	.0
152	153	120	151	183	.0250	1250.0	.0
153	0	119	152	154	.0250	1255.0	.0
154	0	153	183	250	.0250	1247.0	.0
155	156	243	0	181	.0450	1385.0	.0
156	1	244	155	180	.0250	1383.0	.0
157	156	0	158	0	.0250	200.0	.0
158	157	0	159	179	.0250	200.0	.0
159	158	146	160	178	.0200	1330.0	.0
160	159	145	161	177	.0200	1335.0	.0
161	160	144	162	176	.0200	1345.0	.0
162	161	143	163	175	.0200	1371.0	.0
163	162	142	164	174	.0200	1345.0	.0
164	163	141	165	173	.0200	1370.0	.0
165	164	140	166	172	.0450	1370.0	.0
166	165	139	167	171	.0350	1376.0	.0
167	166	138	168	170	.0250	1380.0	.0
168	167	239	245	169	.0200	1387.0	.0
169	170	168	1	199	.0200	1380.0	.0
170	171	167	169	198	.0350	1378.0	.0
171	172	166	170	197	.0350	1374.0	.0
172	173	165	171	196	.0350	1370.0	.0
173	174	165	172	195	.0250	1365.0	.0
174	175	163	173	194	.0250	1335.0	.0
175	176	162	174	193	.0200	1320.0	.0
176	177	161	175	192	.0250	1315.0	.0
177	178	160	176	191	.0200	1310.0	.0
178	179	159	177	190	.0250	200.0	.0
179	180	158	178	189	.0250	200.0	.0
180	2	156	181	186	.0200	1376.0	.0
181	180	155	0	182	.0450	1375.0	.0
182	186	181	0	188	.0350	1370.0	.0
183	154	152	184	185	.0200	1242.0	.0
184	183	151	185	248	.0250	1257.0	.0
185	184	148	246	0	.0250	1285.0	.0
186	3	180	182	187	.0200	1370.0	.0
187	4	186	188	213	.0250	1363.0	.0
188	187	182	0	212	.0200	1264.0	.0
189	190	0	0	234	.0450	1355.0	.0
190	209	0	189	233	.0250	1357.0	.0
191	190	177	192	208	.0250	200.0	.0
192	191	176	193	207	.0250	1330.0	.0
193	192	175	194	206	.0200	1345.0	.0
194	193	174	195	205	.0250	1360.0	.0
195	194	173	196	204	.0250	1371.0	.0
196	195	172	197	203	.0250	1371.0	.0
197	196	171	198	202	.0250	1371.0	.0
198	197	170	199	201	.0350	1373.0	.0
199	198	169	2	200	.0250	1375.0	.0
200	201	199	3	5	.0200	1370.0	.0
201	202	198	200	6	.0200	1369.0	.0
202	203	197	201	24	.0250	1370.0	.0
203	204	196	202	23	.0250	1370.0	.0
204	205	195	203	22	.0250	1371.0	.0
205	206	194	204	21	.0250	1360.0	.0
206	207	193	205	227	.0250	1330.0	.0
207	208	192	206	228	.0250	200.0	.0
208	209	191	207	229	.0250	200.0	.0
209	210	0	190	232	.0350	1360.0	.0

210	211	0	209	231	.0250	1357.0	.0
211	212	0	210	230	.0250	1358.0	.0
212	213	188	211	229	.0250	1356.0	.0
213	48	187	212	214	.0250	1357.0	.0
214	49	213	229	0	.0250	1349.0	.0
215	85	62	0	216	.0350	1461.0	.0
216	217	215	0	220	.0450	1450.0	.0
217	86	85	216	219	.0450	1446.0	.0
218	108	86	219	223	.0450	1421.0	.0
219	218	217	220	222	.0450	1436.0	.0
220	219	216	0	221	.0450	1438.0	.0
221	222	220	0	226	.0450	1428.0	.0
222	223	219	221	225	.0450	1425.0	.0
223	109	218	222	224	.0450	1421.0	.0
224	137	223	225	0	.0450	1411.0	.0
225	224	222	226	0	.0450	1415.0	.0
226	225	221	0	0	.0450	1419.0	.0
227	228	206	21	238	.0250	200.0	.0
228	229	207	227	237	.0250	200.0	.0
229	214	212	230	0	.0250	1348.0	.0
230	229	211	231	0	.0250	1348.0	.0
231	230	210	232	0	.0250	1348.0	.0
232	231	209	233	0	.0250	1348.0	.0
233	232	190	234	0	.0250	1347.0	.0
234	233	189	0	0	.0250	1346.0	.0
235	126	72	0	0	.0250	1352.0	.0
236	235	229	237	98	.0250	1295.0	.0
237	236	228	238	97	.0250	200.0	.0
238	237	227	20	96	.0250	200.0	.0
239	138	137	240	168	.0250	1398.0	.0
240	239	224	241	245	.0350	1401.0	.0
241	240	225	242	244	.0450	1405.0	.0
242	241	226	0	243	.0450	1410.0	.0
243	244	242	0	155	.0250	1395.0	.0
244	245	241	243	156	.0350	1393.0	.0
245	168	240	244	1	.0250	1390.0	.0
246	185	147	247	0	.0250	1292.0	.0
247	246	128	0	0	.0250	1296.0	.0
248	0	0	46	0	.0250	1490.0	.0
249	250	183	248	0	.0250	1245.0	.0
250	0	0	7	19	.0250	1566.0	.0

INFLOW HYDROGRAPH AT NODE # 7

HOUR	CFS
.0	0.
1.0	1220.
1.3	1500.
2.0	14910.
2.5	19200.
2.8	19560.
3.0	19020.
6.0	7100.
7.5	3880.
9.0	2360.
15.0	0.

MODEL TIME(HOURS) = .25 (SECONDS) = .915E+03 (TOTAL TIMESTEP NUMBER) = 6.0E+01

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 310.08

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.145	.000	.000	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.145	1561.000	1558.000	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = .50 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 15.25

MODEL TIME(HOURS) = .50 (SECONDS) = .181E+04 (TOTAL TIMESTEP NUMBER) = 9.0E+01

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 615.08

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.252	.062	.000	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.252	1561.063	1558.000	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.000	.000	.002	.241	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.000	1540.000	1541.002	1542.241	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	.000	-.613	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.613	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	2.050	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.008	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1521.008	1522.000	1520.000	1521.000	1525.000	1525.000	1510.000	1506.000	1502.000	1515.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-2.050	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = .75 (SECONDS) = .271E+04 (TOTAL TIMESTEP NUMBER) = 1.2E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 920.08

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.238	.188	.000	.000

ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.238	1561.188	1558.000	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-1.599	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.599	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	4.965	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.000	.000	.081	.278	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.000	1540.000	1541.081	1542.278	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-4.965	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.015
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.015
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.323
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.325	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1521.325	1522.000	1520.000	1521.000	1525.000	1525.000	1510.000	1506.000	1502.000	1515.000
VEL-N	.323	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	2.515	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.135	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1505.000	1503.135	1501.000	1499.000	1498.000	1495.000	1359.000	1359.000	1349.000	1349.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	-2.515	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 1.00 (SECONDS) = .361E+04 (TOTAL TIMESTEP NUMBER) = 1.5E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 1224.67

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.263	.256	.025	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.263	1561.255	1558.025	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-1.795	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.795	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	5.174	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.000	.019	.256	.291	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.000	1540.019	1541.256	1542.291	1545.000	1362.000

VEL-N	.000	.000	.000	.000	.000	-.670	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-5.174	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.670	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	2.471	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.051
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.051
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.259
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.260	.070	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1521.260	1522.070	1520.000	1521.000	1525.000	1525.000	1510.000	1506.000	1502.000	1515.000
VEL-N	.259	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	-2.471	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	2.725	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.263	.073	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1505.000	1503.264	1501.073	1499.000	1498.000	1495.000	1359.000	1359.000	1349.000	1349.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	-2.725	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.000	.012	.230	.000	.000	.000	.000	.000
ELEVATION	1350.000	1477.000	1476.000	1478.012	1478.230	1486.000	1482.000	1487.000	1478.000	1494.000
VEL-N	.000	.000	.000	.000	.278	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.278	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	3.658	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.000	.000	.000	.000	.164	.000	.000	.000
ELEVATION	1496.000	1476.000	1473.000	1470.000	1466.000	1466.000	1461.164	1458.000	1455.000	1454.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-3.658	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 1.25 (SECONDS) = .451E+04 (TOTAL TIMESTEP NUMBER) = 1.8E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 1574.48

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.250	.245	.072	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.250	1561.245	1558.072	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-1.755	-1.010	.000

VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.755	1.010	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	5.027	3.404	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.000	.080	.260	.294	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.000	1540.080	1541.260	1542.294	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	-.712	-.941	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-3.404	-5.027	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.712	.941	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	3.202	3.600	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.094
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.094
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.302
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.330	.259	.036	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1521.330	1522.259	1520.036	1521.000	1525.000	1525.000	1510.000	1506.000	1502.000	1515.000
VEL-N	.302	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.600	-3.202	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	2.957	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.119	.253	.182	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1505.119	1503.253	1501.182	1499.000	1498.000	1495.000	1359.000	1359.000	1349.000	1349.000
VEL-N	.000	1.153	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	-2.957	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	-1.153	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	4.337	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.000	.033	.266	.000	.000	.000	.000	.000
ELEVATION	1350.000	1477.000	1476.000	1478.033	1478.266	1486.000	1482.000	1487.000	1478.000	1494.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-4.337	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.000	.000	.000	.000	.222	.110	.000	.000
ELEVATION	1496.000	1476.000	1473.000	1470.000	1466.000	1466.000	1461.222	1458.109	1455.000	1454.000
VEL-N	.000	.000	.000	.000	.000	.000	1.234	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-1.234	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	3.519	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.025	.295
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1430.000	1431.000	1435.000	1440.025	1445.295
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.224
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-3.519
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	-1.224	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	2.072

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.042
ELEVATION	1448.000	1446.000	1449.000	1452.000	1457.000	1442.000	1436.000	1432.000	1432.000	1431.042
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-2.072
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 1.50 (SECONDS) = .541E+04 (TOTAL TIMESTEP NUMBER) = 2.1E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 6044.48

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.566	.257	.194	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.566	1561.257	1558.194	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-2.495	-1.215	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	2.495	1.215	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	8.457	3.434	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.000	.208	.326	.629	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.000	1540.208	1541.326	1542.629	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	-.937	-1.500	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-3.434	-8.457	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.937	1.500	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	3.584	5.870	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.254
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.254
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.821
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.789	.258	.132	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1521.789	1522.258	1520.132	1521.000	1525.000	1525.000	1510.000	1506.000	1502.000	1515.000
VEL-N	.821	.447	-.919	.000	.000	.000	.000	.000	.000	.000
VEL-E	-5.870	-3.584	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	-.447	.919	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	4.713	3.163	.000	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.258	.419	.240	.031	.000	.000	.000	.000	.000	.000
ELEVATION	1505.258	1503.419	1501.240	1499.031	1498.000	1495.000	1359.000	1359.000	1349.000	1349.000
VEL-N	1.050	1.531	.889	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.163	-4.713	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	-1.050	-1.531	-.889	.000	.000	.000	.000	.000	.000
VEL-W	3.076	5.587	4.039	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60

DEPTH	.000	.000	.000	.252	.343	.218	.000	.000	.000	.000
ELEVATION	1350.000	1477.000	1476.000	1478.252	1478.343	1486.218	1482.000	1487.000	1478.000	1494.000
VEL-N	.000	.000	.000	.000	.298	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-4.039	-5.587	-3.076	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.298	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	4.730	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.000	.000	.000	.000	.258	.236	.014	.000
ELEVATION	1496.000	1476.000	1473.000	1470.000	1466.000	1466.000	1461.258	1458.236	1455.014	1454.000
VEL-N	.000	.000	.000	.000	.000	.000	1.518	.873	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-4.730	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-1.518	-.873	.000
VEL-W	.000	.000	.000	.000	.000	.000	3.518	3.179	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	.000	.000	.010	.293	.264
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1430.000	1431.000	1435.010	1440.293	1445.264
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	1.144	1.759
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	-3.179	-3.518
VEL-S	.000	.000	.000	.000	.000	.000	.000	-1.144	-1.759	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	2.162	2.829

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.258
ELEVATION	1448.000	1446.000	1449.000	1452.000	1457.000	1442.000	1436.000	1432.000	1432.000	1431.258
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-2.829
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.097	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1425.097	1421.000	1432.000	1440.000	1363.000	200.000	1305.000	1270.000	1260.000	1430.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-2.306	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.000	.000	.000	.161	.000	.000	.000	.000	.000	.000
ELEVATION	1429.000	1411.000	1411.000	1414.161	1413.000	1415.000	1417.000	1423.000	1410.000	1405.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 1.75 (SECONDS) = .631E+04 (TOTAL TIMESTEP NUMBER) = 2.4E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 10514.48

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.803	.318	.244	.000

ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.803	1561.318	1558.244	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-3.127	-1.431	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	3.127	1.431	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	10.732	3.874	3.716	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.019	.289	.496	.914	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.019	1540.289	1541.496	1542.914	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	-1.255	-2.047	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-3.716	-3.874	-10.732	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.255	2.047	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	4.717	7.558	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.275
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.275
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1.369
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	1.193	.382	.534	.000	.000	.000	.000	.000	.014	.268
ELEVATION	1522.193	1522.382	1520.534	1521.000	1525.000	1525.000	1510.000	1506.000	1502.014	1515.268
VEL-N	1.369	.363	-1.328	.000	.000	.000	.000	.000	.000	.000
VEL-E	-7.558	-4.717	.000	.000	.000	.000	.000	.000	.000	-2.704
VEL-S	-.363	1.328	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	6.274	3.771	2.704	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.300	.618	.292	.202	.000	.000	.000	.000	.000	.000
ELEVATION	1505.300	1503.618	1501.292	1499.202	1498.000	1495.000	1359.000	1359.000	1349.000	1349.000
VEL-N	1.091	1.988	1.287	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.771	-6.274	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	-1.091	-1.988	-1.287	.000	.000	.000	.000	.000	.000
VEL-W	3.405	7.865	4.912	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.144	.354	.626	.263	.138	.000	.000	.000
ELEVATION	1350.000	1477.000	1476.144	1478.354	1478.625	1486.263	1482.138	1487.000	1478.000	1494.000
VEL-N	.000	.000	.000	1.085	.719	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-4.912	-7.865	-3.405	.000	.000	.000	.000
VEL-S	.000	.000	-1.085	-.719	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	4.145	7.654	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.000	.000	.000	.202	.572	.442	.243	.004
ELEVATION	1496.000	1476.000	1473.000	1470.000	1466.000	1466.202	1461.572	1458.442	1455.243	1454.004
VEL-N	.000	.000	.000	.000	.000	.000	2.445	1.653	.533	.000
VEL-E	.000	.000	.000	.000	.000	.000	-7.654	-4.145	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-2.445	-1.653	-.533
VEL-W	.000	.000	.000	.000	.000	.000	5.847	4.596	3.356	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	.000	.065	.331	.510	.533
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1430.000	1431.065	1435.331	1440.510	1445.533
VEL-N	.000	.000	.000	.000	.000	.000	.000	1.260	2.390	2.727
VEL-E	.000	.000	.000	.000	.000	.000	.000	-3.356	-4.596	-5.847
VEL-S	.000	.000	.000	.000	.000	.000	-1.260	-2.390	-2.727	.000

VEL-W	.000	.000	.000	.000	.000	.000	.000	3.212	5.290	3.828

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.272
ELEVATION	1448.000	1446.000	1449.000	1452.000	1457.000	1442.000	1436.000	1432.000	1432.000	1431.272
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.882
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-3.828
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	3.457

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.440	.560	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1425.440	1421.560	1432.000	1440.000	1363.000	200.000	1305.000	1270.000	1260.000	1430.000
VEL-N	2.181	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-4.501	-3.212	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	-1.882	-2.181	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	4.546	3.657	.000	.000	.000	.000	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.000	.305	.671	.267	.046	.000	.000	.000	.000	.000
ELEVATION	1429.000	1411.305	1411.671	1414.267	1413.046	1415.000	1417.000	1423.000	1410.000	1405.000
VEL-N	.000	.000	.960	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	-3.657	-4.546	-3.457	.000	.000	.000	.000	.000	.000
VEL-S	.000	-.960	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	3.504	4.764	.000	.000	.000	.000	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.000	.006	.282	.441	.090	.000	.000	.000	.000	.000
ELEVATION	1403.000	1396.006	1398.282	1400.441	1385.090	1400.000	1388.000	1265.000	1260.000	1258.000
VEL-N	.000	-.767	-1.357	3.104	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-4.764	-3.504	.000	.000	.000	.000	.000
VEL-S	.000	.000	.767	1.357	-3.104	.000	.000	.000	.000	.000
VEL-W	.000	.000	1.826	2.772	.000	.000	.000	.000	.000	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.065	.014	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1380.000	1385.065	1380.014	1385.000	1385.000	1383.000	1402.000	1391.000	1384.000	1371.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	-2.772	-1.826	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 2.00 (SECONDS) = .721E+04 (TOTAL TIMESTEP NUMBER) = 2.7E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 14945.74

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.991	.420	.265	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.991	1561.420	1558.265	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-3.688	-1.607	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	3.688	1.607	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	12.369	4.660	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.059	.269	.669	1.130	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.059	1540.269	1541.669	1543.130	1545.000	1362.000
VEL-N	.000	.000	.000	.000	-.320	-1.563	-2.449	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-4.660	-12.369	.000	.000
VEL-S	.000	.000	.000	.000	.000	.320	1.563	2.449	.000	.000
VEL-W	.000	.000	.000	.000	.000	4.175	5.681	8.713	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.286
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.286
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1.732
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	5.021

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	1.451	.486	.761	.000	.000	.000	.000	.000	.170	.287
ELEVATION	1522.451	1522.486	1520.761	1521.000	1525.000	1525.000	1510.000	1506.000	1502.170	1515.287
VEL-N	1.732	.187	-1.518	.000	.000	.000	.000	.000	.000	.000
VEL-E	-8.713	-5.681	-4.175	.000	.000	.000	.000	.000	.000	-3.212
VEL-S	-.187	1.518	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	7.277	4.754	3.212	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.507	.793	.400	.237	.026	.000	.000	.000	.000	.000
ELEVATION	1505.507	1503.793	1501.400	1499.237	1498.026	1495.000	1359.000	1359.000	1349.000	1349.000
VEL-N	1.595	2.383	1.510	.555	.000	.000	.000	.000	.000	.000
VEL-E	-4.754	-7.277	-5.021	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	-1.595	-2.383	-1.510	-.555	.000	.000	.000	.000	.000
VEL-W	4.527	9.316	5.654	3.588	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.275	.453	.807	.284	.304	.000	.000	.000
ELEVATION	1350.000	1477.000	1476.275	1478.453	1478.807	1486.284	1482.304	1487.000	1478.000	1494.000
VEL-N	.000	.000	.000	1.394	.933	2.660	-1.935	.000	.000	.000
VEL-E	.000	.000	-3.588	-5.654	-9.316	-4.527	.000	.000	.000	.000
VEL-S	.000	.000	-1.394	-.933	-2.660	1.935	.000	.000	.000	.000
VEL-W	.000	.000	3.498	4.918	9.119	3.440	4.140	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.000	.000	.407	.257	.756	.568	.378	.105
ELEVATION	1496.000	1476.000	1473.000	1470.000	1466.407	1466.257	1461.756	1458.568	1455.378	1454.105
VEL-N	.000	.000	.000	.000	.389	.000	2.974	2.027	.817	.000
VEL-E	.000	.000	.000	.000	-4.140	-3.440	-9.119	-4.918	-3.498	.000
VEL-S	.000	.000	.000	.000	.000	-.389	.000	-2.974	-2.027	-.817
VEL-W	.000	.000	.000	.000	4.373	.000	7.225	5.423	4.380	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	.068	.559	.479	.612	.742
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1430.068	1431.559	1435.479	1440.612	1445.742
VEL-N	.000	.000	.000	.000	.000	.000	1.018	2.275	2.828	3.265
VEL-E	.000	.000	.000	.000	.000	.000	.000	-4.380	-5.423	-7.225
VEL-S	.000	.000	.000	.000	.000	-1.018	-2.275	-2.828	-3.265	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	4.241	5.843	5.053

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.238	.367	.000	.000	.000	.000	.000	.020	.000	.468
ELEVATION	1448.238	1446.367	1449.000	1452.000	1457.000	1442.000	1436.000	1432.020	1432.000	1431.468

VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	2.745
VEL-E	.000	-4.373	.000	.000	.000	.000	.000	-2.171	.000	-5.053
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	2.171	.000	.000	.000	.000	.000	.000	.000	4.460

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.536	.793	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1425.536	1421.793	1432.000	1440.000	1363.000	200.000	1305.000	1270.000	1260.000	1430.000
VEL-N	2.385	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-5.010	-4.241	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	-2.745	-2.385	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	5.086	4.941	.000	.000	.000	.000	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.000	.483	.748	.278	.144	.000	.000	.000	.000	.000
ELEVATION	1429.000	1411.483	1411.748	1414.278	1413.144	1415.000	1417.000	1423.000	1410.000	1405.000
VEL-N	.000	.000	.865	1.583	-.779	.000	.000	.000	.000	.000
VEL-E	.000	-4.941	-5.086	-4.460	.000	.000	.000	.000	.000	.000
VEL-S	.000	-.865	-1.583	.779	.000	.000	.000	.000	.000	.000
VEL-W	.000	7.244	4.536	3.529	.000	.000	.000	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.000	.215	.317	.293	.940	.000	.000	.000	.000	.000
ELEVATION	1403.000	1396.215	1398.317	1400.293	1385.940	1400.000	1388.000	1265.000	1260.000	1258.000
VEL-N	.000	-1.114	-1.154	3.457	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-3.529	-4.536	-7.244	.000	.000	.000	.000	.000
VEL-S	.000	.000	1.114	1.154	-3.457	.000	.000	.000	.000	.000
VEL-W	.000	.000	3.063	3.124	4.428	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.810
ELEVATION	1260.000	1300.000	200.000	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.810
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-4.354
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	4.791

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.965	.260	.480	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1380.965	1385.260	1380.480	1385.000	1385.000	1383.000	1402.000	1391.000	1384.000	1371.000
VEL-N	4.354	1.640	-1.442	.000	.000	.000	.000	.000	.000	.000
VEL-E	-4.428	-3.124	-3.063	.000	.000	.000	.000	.000	.000	.000
VEL-S	-1.640	1.442	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	1.798	2.160	3.637	.000	.000	.000	.000	.000	.000	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.487	.185	.276	.359	.008	.000	.000	.000	.000	.000
ELEVATION	1365.487	1375.185	1379.276	1363.359	1350.008	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	-1.407	3.224	2.027	.000	.000	.000	.000	.000	.000
VEL-E	-3.637	-2.160	-1.798	-4.791	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	1.407	-3.224	-2.027	.000	.000	.000	.000	.000
VEL-W	.000	.000	1.724	2.378	.000	.000	.000	.000	.000	.000

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.010	.030	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1345.010	1371.030	1345.000	1370.000	1370.000	1376.000	1380.000	1387.000	1380.000	1378.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-2.378	-1.724	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 2.25 (SECONDS) = .812E+04 (TOTAL TIMESTEP NUMBER) = 3.0E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 17090.77

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	1.073	.471	.267	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1566.073	1561.471	1558.267	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-3.937	-1.704	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	3.937	1.704	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	13.055	5.043	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.118	.300	.733	1.227	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.118	1540.300	1541.733	1543.227	1545.000	1362.000
VEL-N	.000	.000	.000	.000	-.356	-1.691	-2.631	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-5.043	-13.055	.000	.000
VEL-S	.000	.000	.000	.000	.000	.356	1.691	2.631	.000	.000
VEL-W	.000	.000	.000	.000	.000	4.492	6.171	9.227	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.322
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.322
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1.893
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	5.454

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	1.562	.569	.936	.000	.000	.000	.000	.000	.294	.232
ELEVATION	1522.562	1522.569	1520.936	1521.000	1525.000	1525.000	1510.000	1506.000	1502.294	1515.232
VEL-N	1.893	.000	-1.647	.000	.000	.000	.000	.000	-2.546	2.703
VEL-E	-9.227	-6.171	-4.492	.000	.000	.000	.000	.000	.000	-3.667
VEL-S	.000	1.647	.000	.000	.000	.000	.000	.000	.000	2.546
VEL-W	7.721	5.297	3.667	.000	.000	.000	.000	.000	2.529	5.971

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.647	.879	.461	.264	.066	.000	.000	.000	.000	.000
ELEVATION	1505.647	1503.879	1501.461	1499.264	1498.066	1495.000	1359.000	1359.000	1349.000	1349.000
VEL-N	1.854	2.597	1.625	.000	.000	.000	.000	.000	.000	.000
VEL-E	-5.297	-7.721	-5.454	.000	.000	.000	.000	.000	.000	.000
VEL-S	-2.703	-1.854	-2.597	-1.625	.000	.000	.000	.000	.000	.000
VEL-W	4.934	10.004	6.234	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.288	.536	.911	.284	.393	.263	.000	.000
ELEVATION	1350.000	1477.000	1476.288	1478.536	1478.911	1486.284	1482.393	1487.263	1478.000	1494.000
VEL-N	.000	.000	.000	1.571	1.081	2.550	-1.855	.000	.000	.000
VEL-E	.000	.000	.000	-6.234	-10.004	-4.934	-5.971	-2.529	.000	.000
VEL-S	.000	.000	-1.571	-1.081	-2.550	1.855	.000	.000	.000	.000
VEL-W	.000	.000	3.878	5.514	9.898	3.530	4.504	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.000	.000	.359	.253	.855	.672	.426	.243
ELEVATION	1496.000	1476.000	1473.000	1470.000	1466.359	1466.253	1461.855	1458.672	1455.426	1454.243
VEL-N	.000	.000	.000	.000	.264	1.882	3.241	2.263	.976	.000
VEL-E	.000	.000	.000	.000	-4.504	-3.530	-9.898	-5.514	-3.878	.000
VEL-S	.000	.000	.000	.000	.000	-.264	-1.882	-3.241	-2.263	-.976
VEL-W	.000	.000	.000	.000	4.220	3.259	7.766	6.092	4.722	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	.895	.940	.561	.727	.832
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1430.896	1431.940	1435.561	1440.727	1445.832
VEL-N	.000	.000	.000	.000	.000	.000	1.837	2.422	3.181	3.583
VEL-E	.000	.000	.000	.000	.000	.000	.000	-4.722	-6.092	-7.766
VEL-S	.000	.000	.000	.000	.000	-1.837	-2.422	-3.181	-3.583	-1.195
VEL-W	.000	.000	.000	.000	.000	.000	.000	4.707	6.582	5.527

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.246	.417	.000	.000	.000	.000	.000	.479	.268	.546
ELEVATION	1448.246	1446.417	1449.000	1452.000	1457.000	1442.000	1436.000	1432.479	1432.268	1431.546
VEL-N	1.195	-1.041	.000	.000	.000	.000	.000	.483	.000	3.058
VEL-E	-3.259	-4.220	.000	.000	.000	.000	.000	-3.877	-2.985	-5.527
VEL-S	1.041	.000	.000	.000	.000	.000	.000	.000	-.483	.000
VEL-W	2.985	3.877	.000	.000	.000	.000	.000	3.768	.000	4.994

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.650	.932	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1425.650	1421.932	1432.000	1440.000	1363.000	200.000	1305.000	1270.000	1260.000	1430.000
VEL-N	2.713	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-5.681	-4.707	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	-3.058	-2.713	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	5.796	5.599	.000	.000	.000	.000	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.000	.597	.902	.328	.251	.064	.611	.000	.000	.134
ELEVATION	1429.000	1411.597	1411.902	1414.328	1413.251	1415.064	1417.611	1423.000	1410.000	1405.134
VEL-N	.000	.000	1.066	1.737	-.958	.000	1.172	.000	.000	.000
VEL-E	.000	-5.599	-5.796	-4.994	.000	.000	-3.768	.000	.000	-2.357
VEL-S	.000	-1.066	-1.737	.958	.000	-1.172	.000	.000	.000	.000
VEL-W	.000	8.359	5.298	3.956	3.215	.000	2.357	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.000	.372	.379	.398	1.276	.000	.000	.000	.000	.000
ELEVATION	1403.000	1396.372	1398.379	1400.398	1386.276	1400.000	1388.000	1265.000	1260.000	1258.000
VEL-N	.000	-1.374	-1.417	4.224	.000	.000	.000	.000	.000	.000
VEL-E	.000	-3.215	-3.956	-5.298	-8.359	.000	.000	.000	.000	.000
VEL-S	.000	.000	1.374	1.417	-4.224	.000	.000	.000	.000	.000
VEL-W	.000	2.922	3.467	3.450	5.331	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.950
ELEVATION	1260.000	1300.000	200.000	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.950
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-4.856
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	6.328

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	1.127	.247	.500	.287	.005	.000	.000	.000	.000	.034
ELEVATION	1381.127	1385.247	1380.500	1385.286	1385.005	1383.000	1402.000	1391.000	1384.000	1371.034
VEL-N	4.856	1.529	-1.368	1.466	-.268	.000	.000	.000	.000	.000

VEL-E	-5.331	-3.450	-3.467	-2.922	.000	.000	.000	.000	.000	-1.689
VEL-S	-1.529	1.368	-1.466	.268	.000	.000	.000	.000	.000	.000
VEL-W	2.009	2.377	3.577	1.689	.000	.000	.000	.000	.000	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	2.078	.236	.271	.665	.490	.000	.000	.000	.000	.000
ELEVATION	1367.078	1375.236	1379.271	1363.665	1350.490	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	-2.185	-1.583	3.227	5.200	.000	.000	.000	.000	.000	.000
VEL-E	-3.577	-2.377	-2.009	-6.328	.000	.000	.000	.000	.000	.000
VEL-S	.000	2.185	1.583	-3.227	-5.200	.000	.000	.000	.000	.000
VEL-W	.000	4.627	2.305	5.534	5.570	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	.000	.069	.142	.634
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	200.000	200.069	1330.142	1335.634
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	2.787
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-5.570
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	-2.787	-3.420
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	5.737

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.317	.214	.328	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1345.317	1371.214	1345.328	1370.000	1370.000	1376.000	1380.000	1387.000	1380.000	1378.000
VEL-N	3.420	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-5.534	-2.305	-4.627	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	5.315	.000	2.032	.000	.000	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.000	.000	.042	.016	.659	.147	.887	.063	.000
ELEVATION	1374.000	1370.000	1365.000	1335.042	1320.016	1315.659	1310.147	200.887	200.063	1376.000
VEL-N	.000	.000	.000	.000	.000	2.442	.000	1.058	.000	.000
VEL-E	.000	.000	.000	-2.032	.000	-5.315	-5.737	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-2.442	.000	-1.058	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.697	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	200.697	1330.000	1345.000	1360.000	1371.000	1371.000	1371.000	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.792	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.000	.000	.000	.000	.033	.000	.000
ELEVATION	1369.000	1370.000	1370.000	1371.000	1360.000	1330.000	200.000	200.033	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-.792	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.060
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.000	1245.000	1566.060
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.167
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 2.50 (SECONDS) = .902E+04 (TOTAL TIMESTEP NUMBER) = 3.3E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 19206.01

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	1.150	.511	.270	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1566.150	1561.511	1558.270	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-4.153	-1.778	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	4.153	1.778	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	13.680	5.325	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.193	.323	.779	1.316	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.193	1540.323	1541.779	1543.316	1545.000	1362.000
VEL-N	.000	.000	.000	.000	-.356	-1.780	-2.790	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-5.325	-13.680	.000	.000
VEL-S	.000	.000	.000	.000	.000	.356	1.780	2.790	.000	.000
VEL-W	.000	.000	.000	.000	.000	4.719	6.523	9.667	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.347
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.347
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-2.018
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	5.737

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	1.650	.637	1.025	.009	.000	.000	.000	.000	.272	.242
ELEVATION	1522.650	1522.637	1521.025	1521.009	1525.000	1525.000	1510.000	1506.000	1502.272	1515.242
VEL-N	2.018	-.188	-1.765	-.108	.000	.000	.000	.000	-2.555	2.700
VEL-E	-9.667	-6.523	-4.719	.000	.000	.000	.000	.000	.000	-3.880
VEL-S	.188	1.765	.108	.000	.000	.000	.000	.000	.000	2.555
VEL-W	8.033	5.711	3.880	.000	.000	.000	.000	.000	2.543	5.980

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.714	.937	.498	.240	.127	.000	.000	.000	.000	.000
ELEVATION	1505.714	1503.937	1501.498	1499.240	1498.127	1495.000	1359.000	1359.000	1349.000	1349.000
VEL-N	1.997	2.730	1.701	.654	.000	.000	.000	.000	.000	.000
VEL-E	-5.711	-8.033	-5.737	.000	.000	.000	.000	.000	.000	.000
VEL-S	-2.700	-1.997	-2.730	-1.701	-.654	.000	.000	.000	.000	.000
VEL-W	5.356	10.438	6.565	3.590	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.334	.580	.971	.333	.468	.250	.117	.000
ELEVATION	1350.000	1477.000	1476.334	1478.580	1478.971	1486.333	1482.468	1487.250	1478.117	1494.000
VEL-N	.000	.000	.000	1.661	1.149	2.832	-2.055	1.998	-1.864	.000
VEL-E	.000	.000	-3.590	-6.565	-10.438	-5.356	-5.980	-2.543	.000	.000
VEL-S	.000	.000	-1.661	-1.149	-2.832	2.055	-1.998	1.864	.000	.000
VEL-W	.000	.000	4.046	5.819	10.345	3.696	5.079	2.198	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70

DEPTH	.000	.000	.000	.139	.433	.250	.911	.730	.463	.258
ELEVATION	1496.000	1476.000	1473.000	1470.139	1466.433	1466.250	1461.911	1458.730	1455.463	1454.258
VEL-N	.000	.000	.000	.000	.390	1.813	3.415	2.401	1.035	.000
VEL-E	.000	.000	.000	-2.198	-5.079	-3.696	-10.345	-5.819	-4.046	.000
VEL-S	.000	.000	.000	.000	.000	-.390	-1.813	-3.415	-2.401	-1.035
VEL-W	.000	.000	.000	.000	4.793	3.175	8.173	6.442	4.993	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.111	1.229	.615	.788	.900
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.111	1432.229	1435.615	1440.788	1445.900
VEL-N	.000	.000	.000	.000	.000	.000	.810	2.497	3.368	3.784
VEL-E	.000	.000	.000	.000	.000	.000	.000	-4.993	-6.442	-8.173
VEL-S	.000	.000	.000	.000	.000	-.810	-2.497	-3.368	-3.784	-1.175
VEL-W	.000	.000	.000	.000	.000	.000	.510	5.002	6.934	5.836

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.244	.501	.000	.000	.000	.000	.000	.509	.266	.591
ELEVATION	1448.244	1446.501	1449.000	1452.000	1457.000	1442.000	1436.000	1432.509	1432.266	1431.591
VEL-N	1.175	-1.014	.000	.000	.000	.000	.000	.505	.000	3.219
VEL-E	-3.175	-4.793	.000	.000	.000	.000	.000	-4.410	-2.974	-5.836
VEL-S	1.014	.000	.000	.000	.000	.000	.000	.000	-.505	.000
VEL-W	2.974	4.410	.000	.000	.000	.000	.000	3.852	.000	5.264

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.703	1.016	.105	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1425.703	1422.016	1432.105	1440.000	1363.000	200.000	1305.000	1270.000	1260.000	1430.000
VEL-N	2.845	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-5.988	-5.002	-.510	.000	.000	.000	.000	.000	.000	.000
VEL-S	-3.219	-2.845	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	6.102	5.954	.000	.000	.000	.000	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.000	.656	.967	.355	.295	.239	.565	.000	.000	.305
ELEVATION	1429.000	1411.656	1411.967	1414.355	1413.295	1415.239	1417.565	1423.000	1410.000	1405.305
VEL-N	.000	.000	1.137	1.815	-1.022	1.040	1.300	.000	.000	.982
VEL-E	.000	-5.954	-6.102	-5.264	.000	.000	-3.852	.000	.000	-2.691
VEL-S	.000	-1.137	-1.815	1.022	-1.040	-1.300	.000	.000	.000	.000
VEL-W	.000	8.902	5.600	4.168	3.520	2.583	2.691	.000	.000	3.324

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.271	.559	.411	.441	1.404	.000	.000	.000	.000	.000
ELEVATION	1403.271	1396.559	1398.411	1400.441	1386.404	1400.000	1388.000	1265.000	1260.000	1258.000
VEL-N	2.053	-1.418	-1.511	4.518	.000	.000	.000	.000	.000	.000
VEL-E	-2.583	-3.520	-4.168	-5.600	-8.902	.000	.000	.000	.000	.000
VEL-S	-.982	-2.053	1.418	1.511	-4.518	.000	.000	.000	.000	.000
VEL-W	2.494	3.570	3.645	3.597	5.741	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.070
ELEVATION	1260.000	1300.000	200.000	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1376.070
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-5.297
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	6.798

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	1.269	.287	.592	.319	.089	.804	.000	.000	.000	.408
ELEVATION	1381.269	1385.287	1380.592	1385.319	1385.089	1383.804	1402.000	1391.000	1384.000	1371.407
VEL-N	5.297	.000	.000	1.577	-.311	.000	.000	.000	.000	1.230
VEL-E	-5.741	-3.597	-3.645	-3.570	-2.494	-3.324	.000	.000	.000	-2.709

VEL-S	.000	.000	-1.577	.311	.000	.000	.000	.000	.000	.000
VEL-W	2.239	.000	3.745	2.709	.000	.000	.000	.000	.000	.492

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	4.400	.215	.262	.719	.580	.000	.000	.000	.000	.000
ELEVATION	1369.400	1375.215	1379.262	1363.719	1350.580	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	-1.828	-1.523	3.042	5.668	.000	.000	.000	.000	.000	.000
VEL-E	-3.745	.000	-2.239	-6.798	.000	.000	.000	.000	.000	.000
VEL-S	-1.230	1.828	1.523	-3.042	-5.668	.000	.000	.000	.000	.000
VEL-W	.000	4.558	2.297	5.874	6.287	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	.160	1.318	.032	.783
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	200.160	201.318	1330.032	1335.783
VEL-N	.000	.000	.000	.000	.000	.000	.000	1.604	.000	2.893
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-6.287
VEL-S	.000	.000	.000	.000	.000	.000	-1.604	.000	-2.893	-3.592
VEL-W	.000	.000	.000	.000	.000	.000	.000	-1.506	.000	6.167

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.345	.237	.304	.000	.032	.000	.000	.000	.000	.000
ELEVATION	1345.345	1371.237	1345.304	1370.000	1370.032	1376.000	1380.000	1387.000	1380.000	1378.000
VEL-N	3.592	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-5.874	-2.297	-4.558	.000	-.492	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	5.573	.000	2.889	.000	.000	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.000	.000	.279	.412	1.111	.132	2.244	1.758	.000
ELEVATION	1374.000	1370.000	1365.000	1335.279	1320.412	1316.111	1310.132	202.244	201.758	1376.000
VEL-N	.000	.000	.000	3.478	2.408	3.426	.000	2.589	.000	.000
VEL-E	.000	.000	.000	-2.889	.000	-5.573	-6.167	.000	1.506	.000
VEL-S	.000	.000	.000	.000	-3.478	-2.408	-3.426	.000	-2.589	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	1.859	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	201.859	1330.000	1345.000	1360.000	1371.000	1371.000	1371.000	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	2.109	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.000	.000	.000	.238	1.377	.000	.000
ELEVATION	1369.000	1370.000	1370.000	1371.000	1360.000	1330.000	200.238	201.377	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-1.643	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-2.109	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	1.643	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.141
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.000	1245.000	1566.141
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.163
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 2.75 (SECONDS) = .992E+04 (TOTAL TIMESTEP NUMBER) = 3.6E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 19550.98

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	1.162	.522	.251	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1566.162	1561.522	1558.251	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-4.197	-1.813	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	4.197	1.813	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	13.786	5.408	3.762	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.246	.352	.790	1.333	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.246	1540.352	1541.790	1543.333	1545.000	1362.000
VEL-N	.000	.000	.000	.000	-.305	-1.799	-2.824	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-3.762	-5.408	-13.786	.000	.000
VEL-S	.000	.000	.000	.000	.000	.305	1.799	2.824	.000	.000
VEL-W	.000	.000	.000	.000	.000	4.704	6.626	9.761	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.356
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.356
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-2.052
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	5.835

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	1.672	.658	1.075	.083	.000	.000	.000	.000	.275	.267
ELEVATION	1522.672	1522.658	1521.075	1521.083	1525.000	1525.000	1510.000	1506.000	1502.275	1515.267
VEL-N	2.052	-.203	-1.788	.000	.000	.000	.000	.000	-2.737	2.957
VEL-E	-9.761	-6.626	-4.704	.000	.000	.000	.000	.000	.000	-4.073
VEL-S	.203	1.788	.000	.000	.000	.000	.000	.000	.000	2.737
VEL-W	8.124	5.845	4.073	.000	.000	.000	.000	.000	2.409	6.547

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.740	.955	.514	.240	.206	.000	.000	.000	.000	.000
ELEVATION	1505.740	1503.955	1501.514	1499.240	1498.206	1495.000	1359.000	1359.000	1349.000	1349.000
VEL-N	2.039	2.777	1.732	.716	.000	.000	.000	.000	.000	.000
VEL-E	-5.845	-8.124	-5.835	.000	.000	.000	.000	.000	.000	.000
VEL-S	-2.957	-2.039	-2.777	-1.732	-.716	.000	.000	.000	.000	.000
VEL-W	5.504	10.581	6.706	3.586	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.343	.602	.997	.352	.469	.248	.258	.000
ELEVATION	1350.000	1477.000	1476.343	1478.602	1478.997	1486.352	1482.469	1487.248	1478.258	1494.000
VEL-N	.000	.000	.000	1.705	1.183	2.952	-2.147	.000	.000	.000
VEL-E	.000	.000	-3.586	-6.706	-10.581	-5.504	-6.547	-2.409	.000	.000
VEL-S	.000	.000	-1.705	-1.183	-2.952	2.147	.000	.000	.000	.000
VEL-W	.000	.000	4.127	5.968	10.542	3.846	5.221	.000	.933	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.007	.245	.465	.265	.937	.757	.484	.250

ELEVATION	1496.000	1476.000	1473.007	1470.245	1466.465	1466.265	1461.937	1458.757	1455.484	1454.250
VEL-N	.000	.000	.000	.000	.434	1.879	3.488	2.472	1.061	.000
VEL-E	.000	.000	-.933	.000	-5.221	-3.846	-10.542	-5.968	-4.127	.000
VEL-S	.000	.000	.000	.000	.000	-.434	-1.879	-3.488	-2.472	-1.061
VEL-W	.000	.000	.000	.000	5.060	3.279	8.326	6.614	5.146	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.717	1.711	.659	.817	.924
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.717	1432.711	1435.659	1440.817	1445.924
VEL-N	.000	.000	.000	.000	.000	.000	.524	2.434	3.486	3.867
VEL-E	.000	.000	.000	.000	.000	.000	.000	-5.146	-6.614	-8.326
VEL-S	.000	.000	.000	.000	.000	-.524	-2.434	-3.486	-3.867	-1.176
VEL-W	.000	.000	.000	.000	.000	.000	1.236	5.222	7.096	5.961

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.248	.542	.034	.000	.000	.000	.000	.552	.273	.611
ELEVATION	1448.248	1446.542	1449.034	1452.000	1457.000	1442.000	1436.000	1432.552	1432.273	1431.611
VEL-N	1.176	-1.009	.000	.000	.000	.000	.000	.563	.000	3.294
VEL-E	-3.279	-5.060	.000	.000	.000	.000	.000	-4.652	-3.005	-5.961
VEL-S	1.009	.000	.000	.000	.000	.000	.000	.000	-.563	.000
VEL-W	3.005	4.652	.000	.000	.000	.000	.000	4.061	.000	5.408

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.737	1.175	.310	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1425.737	1422.175	1432.310	1440.000	1363.000	200.000	1305.000	1270.000	1260.000	1430.000
VEL-N	2.893	-2.706	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-6.168	-5.222	-1.236	.000	.000	.000	.000	.000	.000	.000
VEL-S	-3.294	-2.893	2.706	.000	.000	.000	.000	.000	.000	.000
VEL-W	6.307	6.556	1.266	.000	.000	.000	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.097	.747	1.015	.371	.306	.267	.667	.000	.000	.336
ELEVATION	1429.097	1411.747	1412.015	1414.371	1413.306	1415.267	1417.667	1423.000	1410.000	1405.336
VEL-N	.000	.000	1.120	1.860	-1.059	.000	1.442	.000	.000	.991
VEL-E	-1.266	-6.556	-6.307	-5.408	.000	.000	-4.061	.000	.000	-2.966
VEL-S	.000	-1.120	-1.860	1.059	.000	-1.442	.000	.000	.000	.000
VEL-W	.000	9.686	5.822	4.298	3.680	.000	2.966	.000	.000	3.415

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.254	.621	.438	.472	1.586	.000	.000	.000	.000	.000
ELEVATION	1403.254	1396.621	1398.438	1400.472	1386.586	1400.000	1388.000	1265.000	1260.000	1258.000
VEL-N	.000	-1.459	-1.586	4.719	.000	.000	.000	.000	.000	.000
VEL-E	.000	-3.680	-4.298	-5.822	-9.686	.000	.000	.000	.000	.000
VEL-S	-.991	.000	1.459	1.586	-4.719	.000	.000	.000	.000	.000
VEL-W	.000	4.013	3.805	3.750	6.226	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.195
ELEVATION	1260.000	1300.000	200.000	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1376.195
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-5.710
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	7.310

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	1.428	.260	.690	.392	.349	1.865	.000	.000	.058	.633
ELEVATION	1381.428	1385.260	1380.690	1385.392	1385.349	1384.865	1402.000	1391.000	1384.058	1371.633
VEL-N	5.710	1.498	-1.363	1.814	-.172	-.696	.000	.000	.000	1.216
VEL-E	-6.226	-3.750	-3.805	-4.013	.000	-3.415	.000	.000	-.750	-3.103
VEL-S	-1.498	1.363	-1.814	.172	.696	.000	.000	.000	.000	.000

VEL-W	2.482	2.416	3.897	3.103	.750	.000	.000	.000	.000	.801

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.533	.258	.306	.801	.636	.000	.000	.000	.000	.000
ELEVATION	1370.533	1375.258	1379.306	1363.801	1350.636	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	-1.757	-1.660	3.349	6.049	.000	.000	.000	.000	.000	.000
VEL-E	-3.897	-2.416	-2.482	-7.310	.000	.000	.000	.000	.000	.000
VEL-S	-1.216	1.757	1.660	-3.349	-6.049	.000	.000	.000	.000	.000
VEL-W	1.107	4.853	2.373	6.302	6.665	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	2.532	2.438	.129	.867
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	202.532	202.438	1330.129	1335.867
VEL-N	.000	.000	.000	.000	.000	.000	.000	1.699	.000	3.320
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-6.665
VEL-S	.000	.000	.000	.000	.000	.000	-1.699	.000	-3.320	-3.851
VEL-W	.000	.000	.000	.000	.000	.000	.000	.954	.000	6.603

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.384	.218	.864	.440	.273	.000	.000	.000	.000	.000
ELEVATION	1345.384	1371.218	1345.864	1370.440	1370.273	1376.000	1380.000	1387.000	1380.000	1378.000
VEL-N	3.851	.000	.000	6.821	-.314	.000	.000	.000	.000	.000
VEL-E	-6.302	-2.373	-4.853	-1.107	-.801	.000	.000	.000	.000	.000
VEL-S	.000	.000	-6.821	.314	.000	.000	.000	.000	.000	.000
VEL-W	5.957	.000	5.308	1.797	.153	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.001	.003	.587	.693	1.464	.171	2.962	2.915	.000
ELEVATION	1374.000	1370.001	1365.003	1335.587	1320.693	1316.464	1310.171	202.962	202.915	1376.000
VEL-N	.000	.000	.000	5.533	3.274	4.210	.000	3.117	.000	.000
VEL-E	.000	-.153	-.789	-5.308	.000	-5.957	-6.603	.000	-.954	.000
VEL-S	.000	.000	.000	.000	-5.533	-3.274	-4.210	.000	-3.117	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	2.349	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	202.349	1330.000	1345.000	1360.000	1371.000	1371.000	1371.000	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	2.291	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.000	.000	.000	1.672	2.065	.000	.000
ELEVATION	1369.000	1370.000	1370.000	1371.000	1360.000	1330.000	201.672	202.065	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-1.657	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-2.291	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	1.657	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	2.044	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	.040	.758	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	200.040	200.758	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	-.790	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-2.044	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.790	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.790	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	.040	.000	.000	.000

ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	200.040	200.000	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-.790	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.154
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.000	1245.000	1566.154
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 3.01 (SECONDS) = .108E+05 (TOTAL TIMESTEP NUMBER) = 4.3E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 18998.45

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	1.142	.515	.261	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1566.142	1561.515	1558.261	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-4.149	-1.783	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	4.149	1.783	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	13.638	5.362	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.249	.335	.782	1.313	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.249	1540.335	1541.782	1543.313	1545.000	1362.000
VEL-N	.000	.000	.000	.000	-.317	-1.792	-2.790	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-5.362	-13.638	.000	.000
VEL-S	.000	.000	.000	.000	.000	.317	1.792	2.790	.000	.000
VEL-W	.000	.000	.000	.000	.000	4.785	6.569	9.665	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.353
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.353
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-2.031
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	5.805

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	1.654	.646	1.089	.161	.000	.000	.000	.000	.263	.252
ELEVATION	1522.654	1522.646	1521.089	1521.161	1525.000	1525.000	1510.000	1506.000	1502.263	1515.252
VEL-N	2.031	-.177	-1.753	.000	.000	.000	.000	.000	-2.583	2.726
VEL-E	-9.665	-6.569	-4.785	.000	.000	.000	.000	.000	.000	-4.047
VEL-S	.177	1.753	.000	.000	.000	.000	.000	.000	.000	2.583
VEL-W	8.080	5.774	4.047	.000	.000	.000	.000	.000	2.393	6.041

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.730	.948	.510	.243	.246	.016	.000	.000	.000	.000
ELEVATION	1505.730	1503.948	1501.510	1499.243	1498.245	1495.016	1359.000	1359.000	1349.000	1349.000

VEL-N	2.034	2.765	1.727	.751	.878	.000	.000	.000	.000	.000
VEL-E	-5.774	-8.080	-5.805	.000	.000	.000	.000	.000	.000	.000
VEL-S	-2.726	-2.034	-2.765	-1.727	-.751	-.878	.000	.000	.000	.000
VEL-W	5.481	10.541	6.681	3.597	2.372	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.043	.338	.599	.990	.349	.471	.247	.262	.000
ELEVATION	1350.000	1477.043	1476.338	1478.599	1478.990	1486.349	1482.471	1487.247	1478.262	1494.000
VEL-N	.000	.000	.000	1.699	1.171	2.935	-2.129	.000	.000	.000
VEL-E	.000	-2.372	-3.597	-6.681	-10.541	-5.481	-6.041	-2.393	.000	.000
VEL-S	.000	.000	-1.699	-1.171	-2.935	2.129	.000	.000	.000	.000
VEL-W	.000	.000	4.093	5.955	10.503	3.839	5.289	.000	1.316	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.194	.242	.473	.267	.933	.756	.482	.250
ELEVATION	1496.000	1476.000	1473.193	1470.242	1466.473	1466.267	1461.932	1458.756	1455.482	1454.250
VEL-N	.000	.000	.000	1.239	.429	1.887	3.481	2.469	1.062	.000
VEL-E	.000	.000	-1.316	.000	-5.289	-3.839	-10.503	-5.955	-4.093	.000
VEL-S	.000	.000	.000	.000	-1.239	-.429	-1.887	-3.481	-2.469	-1.062
VEL-W	.000	.000	.000	2.066	5.039	3.239	8.310	6.606	5.141	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.924	1.909	.666	.815	.921
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.924	1432.909	1435.666	1440.815	1445.921
VEL-N	.000	.000	.000	.000	.000	.000	.630	2.365	3.491	3.861
VEL-E	.000	.000	.000	.000	.000	.000	.000	-5.141	-6.606	-8.310
VEL-S	.000	.000	.000	.000	.000	-.630	-2.365	-3.491	-3.861	-1.140
VEL-W	.000	.000	.000	.000	.000	.000	1.561	5.257	7.074	5.946

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.240	.546	.138	.000	.000	.000	.000	.565	.266	.612
ELEVATION	1448.240	1446.546	1449.138	1452.000	1457.000	1442.000	1436.000	1432.565	1432.266	1431.612
VEL-N	1.140	-.975	.000	.000	.000	.000	.000	.572	.634	3.279
VEL-E	-3.239	-5.039	-2.066	.000	.000	.000	.000	-4.691	-2.984	-5.946
VEL-S	.975	.000	.000	.000	.000	.000	.000	.000	-.572	-.634
VEL-W	2.984	4.691	.000	.000	.000	.000	.000	4.131	3.405	5.400

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.740	1.212	.378	.000	.000	.004	.000	.000	.000	.000
ELEVATION	1425.740	1422.212	1432.378	1440.000	1363.000	200.004	1305.000	1270.000	1260.000	1430.000
VEL-N	2.890	-3.117	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-6.171	-5.257	-1.561	.000	.000	-.367	.000	.000	.000	.000
VEL-S	-3.279	-2.890	3.117	.000	.000	.000	.000	.000	.000	.000
VEL-W	6.328	6.741	1.708	.000	.000	.000	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.230	.807	1.027	.372	.328	.247	.693	.000	.000	.366
ELEVATION	1429.230	1411.807	1412.027	1414.372	1413.328	1415.247	1417.693	1423.000	1410.000	1405.366
VEL-N	.000	-3.947	1.075	1.861	-1.055	1.042	1.485	.000	.000	1.034
VEL-E	-1.708	-6.741	-6.328	-5.400	-3.405	.000	-4.131	.000	.000	-3.085
VEL-S	3.947	-1.075	-1.861	1.055	-1.042	-1.485	.000	.000	.000	.000
VEL-W	3.804	10.055	5.874	4.312	3.584	2.574	3.085	.000	.000	3.549

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.267	.611	.443	.479	1.678	.088	.000	.000	.000	.000
ELEVATION	1403.267	1396.611	1398.443	1400.479	1386.678	1400.088	1388.000	1265.000	1260.000	1258.000
VEL-N	.000	-1.473	-1.600	4.747	.000	.000	.000	.000	.000	.000
VEL-E	-2.574	-3.584	-4.312	-5.874	-10.055	-3.804	.000	.000	.000	.000
VEL-S	-1.034	.000	1.473	1.600	-4.747	.000	.000	.000	.000	.000
VEL-W	.000	4.162	3.828	3.804	6.489	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.280
ELEVATION	1260.000	1300.000	200.000	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1376.280
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-5.969
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	7.713

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	1.513	.268	.730	.460	.675	2.723	.000	.000	.250	.754
ELEVATION	1381.513	1385.268	1380.730	1385.460	1385.675	1385.723	1402.000	1391.000	1384.250	1371.754
VEL-N	5.969	1.517	-1.390	2.023	.605	.491	.000	.000	2.209	1.394
VEL-E	-6.489	-3.804	-3.828	-4.162	.000	-3.549	.000	.000	-1.347	-3.446
VEL-S	-1.517	1.390	-2.023	-.605	-.491	.000	.000	.000	.000	-2.209
VEL-W	2.633	2.476	4.042	3.446	1.347	.000	.000	.000	1.186	.964

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.579	.257	.337	.870	.700	.000	.000	.000	.000	.000
ELEVATION	1370.578	1375.257	1379.338	1363.870	1350.700	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	-1.699	-1.713	3.587	6.440	.000	.000	.000	.000	.000	.000
VEL-E	-4.042	-2.476	-2.633	-7.713	.000	.000	.000	.000	.000	.000
VEL-S	-1.394	1.699	1.713	-3.587	-6.440	.000	.000	.000	.000	.000
VEL-W	1.328	4.725	2.574	6.712	7.124	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	4.317	5.132	.033	.928
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	204.317	205.132	1330.033	1335.928
VEL-N	.000	.000	.000	.000	.000	.000	.000	-3.425	.000	3.282
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-7.124
VEL-S	.000	.000	.000	.000	.000	.000	3.425	.000	-3.282	-4.119
VEL-W	.000	.000	.000	.000	.000	.000	.000	-5.264	.000	6.888

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.425	.249	.824	.475	.623	.023	.000	.000	.000	.000
ELEVATION	1345.425	1371.249	1345.824	1370.475	1370.623	1376.023	1380.000	1387.000	1380.000	1378.000
VEL-N	4.119	.000	.000	7.114	.360	.000	.000	.000	.000	.000
VEL-E	-6.712	-2.574	-4.725	-1.328	-.964	-1.186	.000	.000	.000	.000
VEL-S	.000	.000	-7.114	-.360	.000	.000	.000	.000	.000	.000
VEL-W	6.305	.000	5.665	2.441	.425	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.072	.249	.772	1.098	2.134	.208	5.300	4.499	.000
ELEVATION	1374.000	1370.072	1365.249	1335.772	1321.098	1317.134	1310.208	205.300	204.499	1376.000
VEL-N	.000	.000	4.108	6.673	4.427	5.747	.000	-1.143	.000	.000
VEL-E	.000	-.425	-1.786	-5.665	.000	-6.305	-6.888	.000	5.264	.000
VEL-S	.000	.000	.000	-4.108	-6.673	-4.427	-5.747	.000	1.143	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	3.107	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	203.107	1330.000	1345.000	1360.000	1371.000	1371.000	1371.000	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	2.709	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.000	.000	.000	2.485	2.893	.000	.000
ELEVATION	1369.000	1370.000	1370.000	1371.000	1360.000	1330.000	202.485	202.893	1360.000	1357.000

VEL-N	.000	.000	.000	.000	.000	.000	-2.122	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-2.709	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	2.122	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	2.721	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	1.167	1.719	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	201.167	201.719	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	-1.797	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-2.721	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	1.797	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	1.356	1.797	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	1.167	.411	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	201.167	200.411	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-1.356	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-1.797	-1.356	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.356	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.367	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.154
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.000	1245.000	1566.154
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 19.50 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 26.60

MODEL TIME(HOURS) = 3.25 (SECONDS) = .117E+05 (TOTAL TIMESTEP NUMBER) = 5.6E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 18024.46

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	1.108	.498	.250	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1566.108	1561.498	1558.250	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-4.055	-1.762	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	4.055	1.762	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	13.360	5.248	3.697	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.247	.339	.767	1.274	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.247	1540.339	1541.767	1543.274	1545.000	1362.000
VEL-N	.000	.000	.000	.000	-.287	-1.758	-2.721	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-3.697	-5.248	-13.360	.000	.000
VEL-S	.000	.000	.000	.000	.000	.287	1.758	2.721	.000	.000
VEL-W	.000	.000	.000	.000	.000	4.633	6.427	9.474	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.344
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.344
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1.985
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	5.708

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	1.624	.614	1.060	.240	.000	.000	.000	.000	.260	.254
ELEVATION	1522.624	1522.614	1521.060	1521.240	1525.000	1525.000	1510.000	1506.000	1502.260	1515.254
VEL-N	1.985	.000	-1.694	.000	.000	.000	.000	.000	-2.586	2.733
VEL-E	-9.474	-6.427	-4.633	.000	.000	.000	.000	.000	.000	-3.987
VEL-S	.000	1.694	.000	.000	.000	.000	.000	.000	.000	2.586
VEL-W	7.967	5.589	3.987	.000	.000	.000	.000	.000	2.439	6.048

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.699	.927	.498	.247	.249	.037	.000	.000	.000	.000
ELEVATION	1505.699	1503.927	1501.498	1499.247	1498.249	1495.037	1359.000	1359.000	1349.000	1349.000
VEL-N	1.970	2.717	1.704	.746	.000	.000	.000	.000	.000	.000
VEL-E	-5.589	-7.967	-5.708	.000	.000	.000	.000	.000	.000	.000
VEL-S	-2.733	-1.970	-2.717	-1.704	-.746	.000	.000	.000	.000	.000
VEL-W	5.329	10.380	6.576	3.592	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.115	.325	.585	.968	.336	.457	.238	.256	.000
ELEVATION	1350.000	1477.115	1476.325	1478.585	1478.968	1486.336	1482.457	1487.238	1478.256	1494.000
VEL-N	.000	.000	.000	1.668	1.144	2.866	-2.081	1.900	-2.237	.000
VEL-E	.000	.000	-3.592	-6.576	-10.380	-5.329	-6.048	-2.439	.000	.000
VEL-S	.000	.000	-1.668	-1.144	-2.866	2.081	-1.900	2.237	.000	.000
VEL-W	.000	.000	4.022	5.858	10.345	3.737	5.148	2.555	1.398	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.250	.258	.455	.255	.911	.738	.473	.252
ELEVATION	1496.000	1476.000	1473.250	1470.258	1466.455	1466.255	1461.911	1458.738	1455.474	1454.252
VEL-N	.000	.000	.922	.000	.423	1.832	3.424	2.432	1.054	.000
VEL-E	.000	.000	-1.398	-2.555	-5.148	-3.737	-10.345	-5.858	-4.022	.000
VEL-S	.000	.000	.000	-.922	.000	-.423	-1.832	-3.424	-2.432	-1.054
VEL-W	.000	.000	1.556	.000	4.968	3.181	8.181	6.505	5.084	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.966	1.964	.655	.797	.896
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.966	1432.964	1435.655	1440.797	1445.896
VEL-N	.000	.000	.000	.000	.000	.000	.000	2.323	3.443	3.803
VEL-E	.000	.000	.000	.000	.000	.000	.000	-5.084	-6.505	-8.181
VEL-S	.000	.000	.000	.000	.000	.000	-2.323	-3.443	-3.803	.000
VEL-W	.000	.000	.000	.000	.000	.000	1.585	5.195	6.966	5.861

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.258	.545	.246	.000	.061	.000	.021	.563	.250	.600
ELEVATION	1448.258	1446.545	1449.246	1452.000	1457.061	1442.000	1436.021	1432.563	1432.250	1431.600
VEL-N	.000	.000	1.025	.000	.000	.000	.000	.572	.622	3.238
VEL-E	-3.181	-4.968	.000	.000	-1.556	.000	-1.283	-4.691	.000	-5.861
VEL-S	.000	-1.025	.000	.000	.000	.000	.000	.000	-.572	-.622
VEL-W	.000	4.691	1.283	.000	.000	.000	.000	4.119	3.330	5.330

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.726	1.216	.401	.000	.000	1.268	.000	.000	.000	.000
ELEVATION	1425.726	1422.216	1432.401	1440.000	1363.000	201.268	1305.000	1270.000	1260.000	1430.000
VEL-N	2.845	-3.259	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-6.086	-5.195	-1.585	.000	.000	-2.074	.000	.000	.000	.000
VEL-S	-3.238	-2.845	3.259	.000	.000	.000	.000	.000	.000	.000
VEL-W	6.248	6.753	1.753	.000	.000	1.543	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.257	.785	1.011	.365	.321	.249	.685	.000	.000	.365
ELEVATION	1429.257	1411.785	1412.011	1414.365	1413.322	1415.249	1417.685	1423.000	1410.000	1405.365
VEL-N	.000	.000	1.036	1.841	-1.044	1.041	1.473	.000	.000	1.036
VEL-E	-1.753	-6.753	-6.248	-5.330	-3.330	.000	-4.119	.000	.000	-3.067
VEL-S	.000	-1.036	-1.841	1.044	-1.041	-1.473	.000	.000	.000	.000
VEL-W	.000	10.038	5.812	4.257	3.577	2.582	3.067	.000	.000	3.527

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.260	.563	.435	.472	1.684	.223	.010	.000	.000	.000
ELEVATION	1403.260	1396.563	1398.435	1400.472	1386.684	1400.223	1388.010	1265.000	1260.000	1258.000
VEL-N	.000	-1.474	-1.582	4.698	.000	.000	.000	.000	.000	.000
VEL-E	-2.582	-3.577	-4.257	-5.812	-10.038	.000	.000	.000	.000	.000
VEL-S	-1.036	.000	1.474	1.582	-4.698	.000	.000	.000	.000	.000
VEL-W	.000	4.085	3.780	3.767	6.489	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	.182	.000	.000	.000	.000	.000	.000	1.302
ELEVATION	1260.000	1300.000	200.182	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1376.302
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-1.543	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-5.964
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	7.803

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	1.500	.265	.744	.488	.883	2.933	.000	.000	.259	.863
ELEVATION	1381.500	1385.266	1380.744	1385.488	1385.883	1385.933	1402.000	1391.000	1384.259	1371.863
VEL-N	5.964	1.506	-1.375	2.113	.926	.608	.000	.000	2.248	1.563
VEL-E	-6.489	-3.767	-3.780	-4.085	.000	-3.527	.000	.000	-1.656	-3.582
VEL-S	-1.506	1.375	-2.113	-.926	-.608	.000	.000	.000	.000	-2.248
VEL-W	2.611	2.412	4.088	3.582	1.656	.000	.000	.000	1.786	1.066

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.650	.246	.333	.879	.715	.000	.000	.000	.000	.000
ELEVATION	1370.650	1375.246	1379.333	1363.879	1350.715	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	-1.606	-1.671	3.546	6.512	.000	.000	.000	.000	.000	.000
VEL-E	-4.088	-2.412	-2.611	-7.803	.000	.000	.000	.000	.000	.000
VEL-S	-1.563	1.606	1.671	-3.546	-6.512	.000	.000	.000	.000	.000
VEL-W	1.531	4.509	2.563	6.799	7.227	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	6.288	7.000	.175	.889
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	206.288	207.000	1330.175	1335.889
VEL-N	.000	.000	.000	.000	.000	.000	.000	-4.894	.000	3.655
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-7.227
VEL-S	.000	.000	.000	.000	.000	.000	4.894	.000	-3.655	-4.208
VEL-W	.000	.000	.000	.000	.000	.000	.000	-6.745	.000	8.751

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.439	.243	.859	.530	.852	.253	.000	.000	.000	.000
ELEVATION	1345.439	1371.243	1345.859	1370.530	1370.852	1376.253	1380.000	1387.000	1380.000	1378.000
VEL-N	4.208	.000	.000	7.638	.635	1.087	.000	.000	.000	.000
VEL-E	-6.799	-2.563	-4.509	-1.531	-1.066	-1.786	.000	.000	.000	.000
VEL-S	.000	.000	-7.638	-.635	-1.087	.000	.000	.000	.000	.000
VEL-W	6.413	.000	5.964	2.641	.607	.505	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.001	.253	.296	.866	1.295	2.374	.231	7.213	6.212	.000
ELEVATION	1374.001	1370.253	1365.296	1335.866	1321.295	1317.374	1310.230	207.213	206.212	1376.000
VEL-N	.000	1.398	4.490	7.232	4.917	6.832	35.888	-4.597	.000	.000

VEL-E	-.505	-.607	-2.174	-5.964	.000	-6.413	-8.751	.000	6.745	.000
VEL-S	.000	.000	-1.398	-4.490	-7.232	-4.917	-6.832	-35.888	4.597	.000
VEL-W	.000	.000	.000	.000	.000	.000	35.943	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	3.377	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	203.377	1330.000	1345.000	1360.000	1371.000	1371.000	1371.000	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-35.943	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	1.917	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.000	.000	.000	2.727	3.063	.000	.000
ELEVATION	1369.000	1370.000	1370.000	1371.000	1360.000	1330.000	202.727	203.063	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-2.244	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.917	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	2.244	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	2.470	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	2.037	2.210	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	202.037	202.210	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	-1.298	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-2.470	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	1.298	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	1.029	1.298	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	2.037	1.916	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	202.037	201.916	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-1.029	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-1.298	-1.029	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.029	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	2.074	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.154
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.000	1245.000	1566.154
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 11.50 MAX. TIMESTEP(SEC.) = 22.50 MEAN TIMESTEP(SEC.) = 15.22

MODEL TIME(HOURS) = 3.50 (SECONDS) = .126E+05 (TOTAL TIMESTEP NUMBER) = 7.7E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 17027.32

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	1.071	.480	.249	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1566.071	1561.480	1558.249	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-3.954	-1.726	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

VEL-S	.000	.000	.000	.000	.000	.000	3.954	1.726	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	13.065	5.118	3.676	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.250	.329	.743	1.233	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.250	1540.329	1541.743	1543.233	1545.000	1362.000
VEL-N	.000	.000	.000	.000	-.265	-1.713	-2.647	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-3.676	-5.118	-13.065	.000	.000
VEL-S	.000	.000	.000	.000	.000	.265	1.713	2.647	.000	.000
VEL-W	.000	.000	.000	.000	.000	4.553	6.273	9.269	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.332
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.332
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1.921
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	5.570

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	1.579	.589	1.027	.247	.000	.000	.000	.000	.268	.266
ELEVATION	1522.579	1522.589	1521.027	1521.247	1525.000	1525.000	1510.000	1506.000	1502.268	1515.266
VEL-N	1.921	.111	-1.651	.000	.000	.000	.000	.000	-2.662	2.827
VEL-E	-9.269	-6.273	-4.553	.000	.000	.000	.000	.000	.000	-3.929
VEL-S	-.111	1.651	.000	.000	.000	.000	.000	.000	.000	2.662
VEL-W	7.812	5.433	3.929	.000	.000	.000	.000	.000	2.480	6.245

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.668	.900	.481	.254	.247	.056	.000	.000	.000	.000
ELEVATION	1505.668	1503.900	1501.481	1499.254	1498.247	1495.056	1359.000	1359.000	1349.000	1349.000
VEL-N	1.907	2.656	1.668	.000	.000	.000	.000	.000	.000	.000
VEL-E	-5.433	-7.812	-5.570	.000	.000	.000	.000	.000	.000	.000
VEL-S	-2.827	-1.907	-2.656	-1.668	.000	.000	.000	.000	.000	.000
VEL-W	5.161	10.179	6.421	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.193	.309	.565	.940	.319	.431	.248	.253	.000
ELEVATION	1350.000	1477.193	1476.309	1478.565	1478.940	1486.319	1482.431	1487.248	1478.253	1494.000
VEL-N	.000	.000	.000	1.628	1.107	2.776	-2.016	1.930	-2.249	.000
VEL-E	.000	.000	.000	-6.421	-10.179	-5.161	-6.245	-2.480	.000	.000
VEL-S	.000	.000	-1.628	-1.107	-2.776	2.016	-1.930	2.249	.000	.000
VEL-W	.000	.000	3.953	5.721	10.136	3.673	4.945	2.562	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.246	.251	.443	.256	.883	.714	.458	.249
ELEVATION	1496.000	1476.000	1473.246	1470.251	1466.443	1466.256	1461.883	1458.714	1455.458	1454.249
VEL-N	.000	.000	.918	.000	.405	1.846	3.349	2.375	1.035	.000
VEL-E	.000	.000	.000	-2.562	-4.945	-3.673	-10.136	-5.721	-3.953	.000
VEL-S	.000	.000	.000	-.918	.000	-.405	-1.846	-3.349	-2.375	-1.035
VEL-W	.000	.000	1.902	.000	4.885	3.216	8.009	6.361	4.971	3.466

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.959	1.960	.634	.772	.870
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.959	1432.960	1435.634	1440.771	1445.870
VEL-N	.000	.000	.000	.000	.000	.000	.000	2.271	3.368	3.720
VEL-E	.000	.000	.000	.000	.000	.000	-3.466	-4.971	-6.361	-8.009
VEL-S	.000	.000	.000	.000	.000	.000	-2.271	-3.368	-3.720	-1.169
VEL-W	.000	.000	.000	.000	.000	.000	1.566	5.089	6.817	5.738

NODE	81	82	83	84	85	86	87	88	89	90

DEPTH	.252	.529	.250	.000	.172	.000	.112	.551	.256	.581
ELEVATION	1448.252	1446.529	1449.250	1452.000	1457.172	1442.000	1436.112	1432.551	1432.256	1431.581
VEL-N	1.169	-.994	.000	.000	.000	.000	.000	.560	.000	3.176
VEL-E	-3.216	-4.885	.000	.000	-1.902	.000	.000	-4.598	-3.004	-5.738
VEL-S	.994	.000	.000	.000	.000	.000	.000	.000	-.560	.000
VEL-W	3.004	4.598	.000	.000	.000	.000	.000	4.058	.000	5.224

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.704	1.188	.399	.000	.000	2.430	.000	.000	.000	.000
ELEVATION	1425.704	1422.188	1432.399	1440.000	1363.000	202.430	1305.000	1270.000	1260.000	1430.000
VEL-N	2.788	-3.254	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-5.957	-5.089	-1.566	.000	.000	-1.348	.000	.000	.000	.000
VEL-S	-3.176	-2.788	3.254	.000	.000	.000	.000	.000	.000	.000
VEL-W	6.121	6.662	1.730	.000	.000	.763	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.241	.775	.983	.354	.306	.254	.676	.000	.000	.364
ELEVATION	1429.241	1411.775	1411.983	1414.354	1413.306	1415.254	1417.676	1423.000	1410.000	1405.364
VEL-N	.000	.000	.981	1.810	-1.023	1.055	1.464	.000	.000	1.033
VEL-E	-1.730	-6.662	-6.121	-5.224	.000	.000	-4.058	.000	.000	-3.045
VEL-S	.000	-.981	-1.810	1.023	-1.055	-1.464	.000	.000	.000	.000
VEL-W	.000	9.953	5.702	4.170	3.521	2.592	3.045	.000	.000	3.512

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.254	.537	.422	.459	1.651	.235	.047	.000	.000	.000
ELEVATION	1403.254	1396.537	1398.422	1400.459	1386.651	1400.235	1388.047	1265.000	1260.000	1258.000
VEL-N	.000	-1.450	-1.553	4.618	-3.452	2.294	.000	.000	.000	.000
VEL-E	-2.592	-3.521	-4.170	-5.702	-9.953	.000	.000	.000	.000	.000
VEL-S	-1.033	.000	1.450	1.553	-4.618	3.452	-2.294	.000	.000	.000
VEL-W	.000	4.007	3.704	3.694	6.385	4.581	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	2.381	.000	.000	.000	.000	.000	.000	1.289
ELEVATION	1260.000	1300.000	202.381	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1376.289
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-.763	.000	.000	.000	.000	.000	.000	-4.581
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-5.881
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	7.712

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	1.467	.257	.732	.488	.934	2.985	.000	.000	.256	.884
ELEVATION	1381.467	1385.257	1380.732	1385.488	1385.934	1385.984	1402.000	1391.000	1384.255	1371.884
VEL-N	5.881	1.479	-1.347	2.117	1.006	.638	.000	.000	2.217	1.604
VEL-E	-6.385	-3.694	-3.704	-4.007	.000	-3.512	.000	.000	-1.727	-3.580
VEL-S	-1.479	1.347	-2.117	-1.006	-.638	.000	.000	.000	.000	-2.217
VEL-W	2.556	2.381	4.042	3.580	1.727	.000	.000	.000	1.780	1.004

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.646	.247	.322	.863	.707	.000	.000	.000	.000	.000
ELEVATION	1370.646	1375.247	1379.322	1363.863	1350.707	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	-1.600	-1.645	3.468	6.447	.000	.000	.000	.000	.000	.000
VEL-E	-4.042	-2.381	-2.556	-7.712	.000	.000	.000	.000	.000	.000
VEL-S	-1.604	1.600	1.645	-3.468	-6.447	.000	.000	.000	.000	.000
VEL-W	1.519	4.493	2.540	6.726	7.177	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	8.828	8.319	.173	.899
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	208.828	208.319	1330.173	1335.899
VEL-N	.000	.000	.000	.000	.000	.000	.000	7.026	28.642	3.886
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-7.177

VEL-S	.000	.000	.000	.000	.000	.000	-7.026	-28.642	-3.886	-4.176
VEL-W	.000	.000	.000	.000	.000	.000	.000	7.694	28.642	8.287

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.435	.243	.856	.528	1.023	.286	.000	.000	.000	.000
ELEVATION	1345.435	1371.243	1345.856	1370.528	1371.023	1376.286	1380.000	1387.000	1380.000	1378.000
VEL-N	4.176	.000	.000	7.623	.858	1.168	.000	.000	.000	.000
VEL-E	-6.726	-2.540	-4.493	-1.519	-1.004	-1.780	.000	.000	.000	.000
VEL-S	.000	.000	-7.623	-.858	-1.168	.000	.000	.000	.000	.000
VEL-W	6.345	.000	5.924	2.833	.759	.645	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.084	.295	.400	.944	1.430	2.576	.263	8.806	9.170	.000
ELEVATION	1374.084	1370.295	1365.400	1335.944	1321.430	1317.576	1310.263	208.806	209.170	1376.000
VEL-N	.000	1.533	5.531	7.652	5.209	7.132	28.404	7.716	.000	.000
VEL-E	-.645	-.759	-2.536	-5.924	.000	-6.345	-8.287	-28.642	-7.694	.000
VEL-S	.000	.000	-1.533	-5.531	-7.652	-5.209	-7.132	-28.404	-7.716	.000
VEL-W	.000	.000	.000	.000	.000	.000	28.476	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	3.578	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	203.578	1330.000	1345.000	1360.000	1371.000	1371.000	1371.000	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-28.476	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	2.086	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.000	.000	.000	3.065	3.343	.000	.000
ELEVATION	1369.000	1370.000	1370.000	1371.000	1360.000	1330.000	203.065	203.343	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-2.154	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-2.086	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	2.154	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	2.244	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	2.631	2.721	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	202.631	202.721	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	-1.091	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-2.244	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	1.091	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.823	1.091	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	2.631	2.578	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	202.631	202.578	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-.823	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-1.091	-.823	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.823	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	1.348	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.154
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.000	1245.000	1566.154
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 7.00 MAX. TIMESTEP(SEC.) = 12.00 MEAN TIMESTEP(SEC.) = 9.31

MODEL TIME(HOURS) = 3.75 (SECONDS) = .135E+05 (TOTAL TIMESTEP NUMBER) = 1.1E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 16035.12

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	1.034	.461	.249	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1566.034	1561.461	1558.249	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-3.850	-1.691	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	3.850	1.691	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	12.761	4.983	3.680	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.249	.318	.720	1.191	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.249	1540.318	1541.720	1543.191	1545.000	1362.000
VEL-N	.000	.000	.000	.000	-.245	-1.671	-2.572	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-3.680	-4.983	-12.761	.000	.000
VEL-S	.000	.000	.000	.000	.000	.245	1.671	2.572	.000	.000
VEL-W	.000	.000	.000	.000	.000	4.460	6.114	9.057	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.319
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.319
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1.858
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	5.435

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	1.534	.561	.986	.248	.000	.000	.000	.000	.259	.250
ELEVATION	1522.534	1522.561	1520.986	1521.248	1525.000	1525.000	1510.000	1506.000	1502.259	1515.250
VEL-N	1.858	.174	-1.604	.000	.000	.000	.000	.000	-2.552	2.705
VEL-E	-9.057	-6.114	-4.460	.000	.000	.000	.000	.000	.000	-3.803
VEL-S	-.174	1.604	.000	.000	.000	.000	.000	.000	.000	2.552
VEL-W	7.657	5.258	3.803	.000	.000	.000	.000	.000	2.434	5.972

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.642	.873	.464	.251	.246	.071	.000	.000	.000	.000
ELEVATION	1505.642	1503.873	1501.464	1499.251	1498.246	1495.071	1359.000	1359.000	1349.000	1349.000
VEL-N	1.860	2.593	1.633	.000	.000	.000	.000	.000	.000	.000
VEL-E	-5.258	-7.657	-5.435	.000	.000	.000	.000	.000	.000	.000
VEL-S	-2.705	-1.860	-2.593	-1.633	.000	.000	.000	.000	.000	.000
VEL-W	5.007	9.973	6.267	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.247	.304	.544	.910	.301	.419	.253	.249	.000
ELEVATION	1350.000	1477.247	1476.304	1478.544	1478.910	1486.301	1482.419	1487.253	1478.249	1494.000
VEL-N	.000	.000	.000	1.590	1.070	2.669	-1.934	.000	.000	.000
VEL-E	.000	.000	.000	-6.267	-9.973	-5.007	-5.972	-2.434	.000	.000
VEL-S	.000	.000	-1.590	-1.070	-2.669	1.934	.000	.000	.000	.000
VEL-W	.000	.000	3.903	5.580	9.921	3.583	4.889	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.249	.245	.427	.254	.855	.689	.443	.253

ELEVATION	1496.000	1476.000	1473.249	1470.245	1466.427	1466.254	1461.855	1458.689	1455.443	1454.253
VEL-N	.000	.000	.000	.000	.381	1.841	3.273	2.317	1.016	.000
VEL-E	.000	.000	.000	.000	-4.889	-3.583	-9.921	-5.580	-3.903	.000
VEL-S	.000	.000	.000	.000	.000	-.381	-1.841	-3.273	-2.317	-1.016
VEL-W	.000	.000	.000	.000	4.759	3.199	7.845	6.213	4.862	3.497

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.944	1.938	.613	.746	.845
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.944	1432.938	1435.613	1440.746	1445.845
VEL-N	.000	.000	.000	.000	.000	.000	.000	2.220	3.292	3.642
VEL-E	.000	.000	.000	.000	.000	.000	-3.497	-4.862	-6.213	-7.845
VEL-S	.000	.000	.000	.000	.000	.000	-2.220	-3.292	-3.642	-1.169
VEL-W	.000	.000	.000	.000	.000	.000	1.536	4.977	6.668	5.622

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.251	.507	.249	.022	.250	.000	.219	.528	.255	.564
ELEVATION	1448.251	1446.507	1449.249	1452.022	1457.250	1442.000	1436.219	1432.528	1432.255	1431.564
VEL-N	1.169	-.996	1.037	.000	.812	.000	.000	.528	.000	3.114
VEL-E	-3.199	-4.759	.000	.000	.000	.000	-1.843	-4.457	-2.997	-5.622
VEL-S	.996	-1.037	.000	-.812	.000	.000	.000	.000	-.528	.000
VEL-W	2.997	4.457	1.843	.000	1.058	.000	.000	3.946	.000	5.118

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.681	1.153	.390	.000	.000	3.425	.000	.000	.000	.000
ELEVATION	1425.681	1422.153	1432.390	1440.000	1363.000	203.425	1305.000	1270.000	1260.000	1430.000
VEL-N	2.733	-3.208	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-5.826	-4.977	-1.536	.000	.000	.000	.000	.000	.000	.000
VEL-S	-3.114	-2.733	3.208	.000	.000	.000	.000	.000	.000	.000
VEL-W	5.991	6.522	1.716	.000	.000	.505	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.244	.750	.955	.343	.296	.251	.648	.000	.000	.349
ELEVATION	1429.244	1411.750	1411.955	1414.343	1413.296	1415.251	1417.648	1423.000	1410.000	1405.349
VEL-N	.000	.000	.953	1.780	-1.000	1.049	1.424	.000	.000	1.011
VEL-E	-1.716	-6.522	-5.991	-5.118	.000	.000	-3.946	.000	.000	-2.960
VEL-S	.000	-.953	-1.780	1.000	-1.049	-1.424	.000	.000	.000	.000
VEL-W	.000	9.744	5.585	4.087	3.439	2.577	2.960	.000	.000	3.415

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.251	.516	.409	.445	1.602	.242	.089	.000	.000	.000
ELEVATION	1403.251	1396.516	1398.409	1400.445	1386.602	1400.242	1388.089	1265.000	1260.000	1258.000
VEL-N	.000	-1.424	-1.520	4.526	-3.494	2.525	.000	.000	.000	.000
VEL-E	-2.577	-3.439	-4.087	-5.585	-9.744	.000	.000	.000	.000	.000
VEL-S	-1.011	.000	1.424	1.520	-4.526	3.494	-2.525	.000	.000	.000
VEL-W	.000	3.915	3.630	3.638	6.256	4.632	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	3.430	.000	.000	.000	.000	.000	.000	1.254
ELEVATION	1260.000	1300.000	203.430	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1376.254
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-.505	.000	.000	.000	.000	.000	.000	-4.632
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-5.767
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	7.565

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	1.425	.255	.711	.475	.928	2.974	.000	.000	.255	.874
ELEVATION	1381.425	1385.255	1380.711	1385.475	1385.928	1385.974	1402.000	1391.000	1384.255	1371.874
VEL-N	5.767	1.481	-1.344	2.081	1.003	.610	.000	.000	2.217	1.599
VEL-E	-6.256	-3.638	-3.630	-3.915	.000	-3.415	.000	.000	-1.717	-3.516
VEL-S	-1.481	1.344	-2.081	-1.003	-.610	.000	.000	.000	.000	-2.217

VEL-W	2.485	2.373	3.964	3.516	1.717	.000	.000	.000	1.780	.986

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.627	.255	.306	.837	.687	.000	.000	.000	.000	.000
ELEVATION	1370.627	1375.255	1379.306	1363.837	1350.687	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	-1.611	3.359	6.316	.000	.000	.000	.000	.000	.000
VEL-E	-3.964	-2.373	-2.485	-7.565	.000	.000	.000	.000	.000	.000
VEL-S	-1.599	.000	1.611	-3.359	-6.316	.000	.000	.000	.000	.000
VEL-W	1.473	.000	2.534	6.578	7.040	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	10.599	11.370	.196	.866
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	210.599	211.370	1330.196	1335.866
VEL-N	.000	.000	.000	.000	.000	.000	.000	-7.648	.000	3.646
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-7.040
VEL-S	.000	.000	.000	.000	.000	.000	7.648	.000	-3.646	-4.079
VEL-W	.000	.000	.000	.000	.000	.000	.000	-9.551	.000	8.109

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.427	.234	.835	.517	1.031	.271	.000	.000	.000	.000
ELEVATION	1345.427	1371.234	1345.835	1370.517	1371.031	1376.271	1380.000	1387.000	1380.000	1378.000
VEL-N	4.079	4.773	-4.734	7.518	.874	1.126	.000	.000	.000	.000
VEL-E	-6.578	-2.534	.000	-1.473	-.986	-1.780	.000	.000	.000	.000
VEL-S	-4.773	4.734	-7.518	-.874	-1.126	.000	.000	.000	.000	.000
VEL-W	6.188	6.627	5.818	2.837	.763	.751	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.219	.317	.416	.946	1.448	2.592	.261	11.298	10.400	.000
ELEVATION	1374.219	1370.317	1365.416	1335.946	1321.448	1317.592	1310.261	211.298	210.400	1376.000
VEL-N	.000	1.610	5.686	7.668	5.226	7.168	28.290	-7.290	.000	.000
VEL-E	-.751	-.763	-2.564	-5.818	-6.627	-6.188	-8.109	.000	9.551	.000
VEL-S	.000	.000	-1.610	-5.686	-7.668	-5.226	-7.168	-28.290	7.290	.000
VEL-W	.000	.000	.000	.000	.000	.000	28.379	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	3.916	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	203.916	1330.000	1345.000	1360.000	1371.000	1371.000	1371.000	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-28.379	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	1.794	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.000	.000	.000	3.624	3.765	.000	.000
ELEVATION	1369.000	1370.000	1370.000	1371.000	1360.000	1330.000	203.624	203.765	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-1.692	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.794	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	1.692	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	1.549	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.000	.000	.029	.000	.000	.000
ELEVATION	1358.000	1356.000	1357.000	1349.000	1461.000	1450.000	1446.029	1421.000	1436.000	1438.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-1.058	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	3.474	3.504	.000	.000

ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	203.474	203.504	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	-.559	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.549	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.559	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.793	.559	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	3.474	3.474	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	203.474	203.474	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-.793	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-.559	-.793	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.793	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.154
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.000	1245.000	1566.154
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 5.00 MAX. TIMESTEP(SEC.) = 7.50 MEAN TIMESTEP(SEC.) = 6.20

MODEL TIME(HOURS) = 4.00 (SECONDS) = .144E+05 (TOTAL TIMESTEP NUMBER) = 1.4E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 15045.76

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.996	.442	.251	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.996	1561.442	1558.251	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-3.743	-1.657	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	3.743	1.657	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	12.446	4.844	3.694	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.249	.306	.694	1.148	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.249	1540.306	1541.694	1543.148	1545.000	1362.000
VEL-N	.000	.000	.000	.000	-.218	-1.622	-2.495	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-3.694	-4.844	-12.446	.000	.000
VEL-S	.000	.000	.000	.000	.000	.218	1.622	2.495	.000	.000
VEL-W	.000	.000	.000	.000	.000	4.348	5.948	8.839	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.306
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.306
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1.789
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	5.284

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	1.485	.535	.946	.248	.000	.000	.000	.000	.251	.253
ELEVATION	1522.485	1522.535	1520.946	1521.248	1525.000	1525.000	1510.000	1506.000	1502.251	1515.253

VEL-N	1.789	.230	-1.561	.000	.000	.000	.000	.000	-2.560	2.737
VEL-E	-8.839	-5.948	-4.348	.000	.000	.000	.000	.000	.000	-3.713
VEL-S	-.230	1.561	.000	.000	.000	.000	.000	.000	.000	2.560
VEL-W	7.488	5.096	3.713	.000	.000	.000	.000	.000	2.405	6.034

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.615	.844	.445	.252	.248	.085	.000	.000	.000	.000
ELEVATION	1505.615	1503.844	1501.445	1499.252	1498.248	1495.085	1359.000	1359.000	1349.000	1349.000
VEL-N	1.807	2.526	1.599	.000	.000	.000	.000	.000	.000	.000
VEL-E	-5.096	-7.488	-5.284	.000	.000	.000	.000	.000	.000	.000
VEL-S	-2.737	-1.807	-2.526	-1.599	.000	.000	.000	.000	.000	.000
VEL-W	4.848	9.756	6.097	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.246	.293	.522	.880	.284	.399	.252	.250	.000
ELEVATION	1350.000	1477.246	1476.293	1478.522	1478.880	1486.284	1482.399	1487.252	1478.250	1494.000
VEL-N	.000	.000	.000	1.544	1.032	2.572	-1.863	.000	.000	.000
VEL-E	.000	.000	.000	-6.097	-9.756	-4.848	-6.034	-2.405	.000	.000
VEL-S	.000	.000	-1.544	-1.032	-2.572	1.863	.000	.000	.000	.000
VEL-W	.000	.000	3.803	5.428	9.700	3.502	4.731	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.247	.248	.409	.252	.827	.663	.427	.250
ELEVATION	1496.000	1476.000	1473.247	1470.248	1466.409	1466.252	1461.827	1458.663	1455.427	1454.250
VEL-N	.000	.000	.920	.000	.356	1.838	3.194	2.256	.989	.000
VEL-E	.000	.000	.000	.000	-4.731	-3.502	-9.700	-5.428	-3.803	.000
VEL-S	.000	.000	.000	-.920	.000	-.356	-1.838	-3.194	-2.256	-.989
VEL-W	.000	.000	2.129	.000	4.624	3.185	7.677	6.053	4.746	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.924	1.923	.592	.719	.819
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.924	1432.923	1435.592	1440.719	1445.819
VEL-N	.000	.000	.000	.000	.000	.000	.000	2.163	3.211	3.562
VEL-E	.000	.000	.000	.000	.000	.000	.000	-4.746	-6.053	-7.677
VEL-S	.000	.000	.000	.000	.000	.000	-2.163	-3.211	-3.562	-1.170
VEL-W	.000	.000	.000	.000	.000	.000	1.524	4.862	6.506	5.507

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.250	.486	.247	.072	.252	.000	.251	.516	.252	.547
ELEVATION	1448.250	1446.486	1449.247	1452.073	1457.252	1442.000	1436.251	1432.516	1432.252	1431.547
VEL-N	1.170	-.998	1.035	.000	.000	.000	.000	.513	.000	3.054
VEL-E	-3.185	-4.624	.000	.000	-2.129	.000	-1.918	-4.331	-2.982	-5.507
VEL-S	.998	-1.035	.000	.000	.000	.000	.000	.000	-.513	.000
VEL-W	2.982	4.331	1.918	.000	.000	.000	.000	3.889	.000	5.014

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.658	1.120	.383	.000	.000	4.193	.000	.000	.000	.000
ELEVATION	1425.658	1422.120	1432.383	1440.000	1363.000	204.193	1305.000	1270.000	1260.000	1430.000
VEL-N	2.675	-3.173	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-5.688	-4.862	-1.524	.000	.000	.513	.000	.000	.000	.000
VEL-S	-3.054	-2.675	3.173	.000	.000	.000	.000	.000	.000	.000
VEL-W	5.855	6.385	1.710	.000	.000	.797	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.249	.726	.927	.333	.290	.250	.633	.025	.000	.337
ELEVATION	1429.249	1411.726	1411.927	1414.333	1413.290	1415.250	1417.633	1423.025	1410.000	1405.337
VEL-N	.000	.000	.925	1.749	-.980	1.048	1.403	.000	.000	1.002
VEL-E	-1.710	-6.385	-5.855	-5.014	.000	.000	-3.889	.000	.000	-2.907
VEL-S	.000	-.925	-1.749	.980	-1.048	-1.403	.000	.000	.000	.000
VEL-W	.000	9.533	5.463	4.001	3.390	2.592	2.907	.000	.000	3.341

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.251	.500	.396	.428	1.549	.244	.140	.000	.000	.000
ELEVATION	1403.251	1396.500	1398.396	1400.428	1386.549	1400.244	1388.140	1265.000	1260.000	1258.000
VEL-N	1.953	-1.395	-1.483	4.420	.000	.000	.000	.000	.000	.000
VEL-E	-2.592	-3.390	-4.001	-5.463	-9.533	.000	.000	.000	.000	.000
VEL-S	-1.002	-1.953	1.395	1.483	-4.420	.000	.000	.000	.000	.000
VEL-W	3.130	3.822	3.552	3.565	6.130	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	4.207	.000	.000	.000	.000	.000	.000	1.218
ELEVATION	1260.000	1300.000	204.207	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1376.218
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-.797	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-5.659
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	7.429

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	1.384	.251	.690	.459	.903	2.946	.000	.000	.252	.846
ELEVATION	1381.384	1385.251	1380.690	1385.459	1385.903	1385.946	1402.000	1391.000	1384.252	1371.846
VEL-N	5.659	1.472	-1.332	2.034	.967	.613	.000	.000	2.199	1.564
VEL-E	-6.130	-3.565	-3.552	-3.822	-3.130	-3.341	.000	.000	-1.672	-3.436
VEL-S	-1.472	1.332	-2.034	-.967	-.613	.000	.000	.000	.000	-2.199
VEL-W	2.417	2.367	3.884	3.436	1.672	.000	.000	.000	1.762	.969

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.601	.250	.292	.811	.666	.000	.000	.000	.000	.000
ELEVATION	1370.601	1375.250	1379.292	1363.811	1350.666	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	-1.617	-1.586	3.256	6.185	.000	.000	.000	.000	.000	.000
VEL-E	-3.884	-2.367	-2.417	-7.429	.000	.000	.000	.000	.000	.000
VEL-S	-1.564	1.617	1.586	-3.256	-6.185	.000	.000	.000	.000	.000
VEL-W	1.404	4.521	2.488	6.439	6.897	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	12.642	13.542	.224	.836
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	212.642	213.542	1330.224	1335.836
VEL-N	.000	.000	.000	.000	.000	.000	.000	-8.722	.000	3.628
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-6.897
VEL-S	.000	.000	.000	.000	.000	.000	8.722	.000	-3.628	-3.997
VEL-W	.000	.000	.000	.000	.000	.000	.000	-10.568	.000	7.936

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.413	.237	.811	.498	.995	.250	.000	.000	.000	.000
ELEVATION	1345.413	1371.237	1345.811	1370.498	1370.995	1376.250	1380.000	1387.000	1380.000	1378.000
VEL-N	3.997	4.772	-4.735	7.333	.839	1.069	.000	.000	.000	.000
VEL-E	-6.439	-2.488	-4.521	-1.404	-.969	-1.762	.000	.000	.000	.000
VEL-S	-4.772	4.735	-7.333	-.839	-1.069	.000	.000	.000	.000	.000
VEL-W	6.062	6.627	5.679	2.800	.724	.753	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.250	.354	.420	.929	1.421	2.549	.255	13.374	12.365	.000
ELEVATION	1374.250	1370.354	1365.420	1335.929	1321.421	1317.549	1310.255	213.374	212.365	1376.000
VEL-N	1.053	1.739	5.726	7.577	5.174	7.068	27.844	-8.154	.000	.000
VEL-E	-.753	-.724	-2.517	-5.679	-6.627	-6.062	-7.936	.000	10.568	.000
VEL-S	.000	-1.053	-1.739	-5.726	-7.577	-5.174	-7.068	-27.844	8.154	.000
VEL-W	.771	.000	.000	.000	.000	.000	27.950	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	4.476	.000	.000	.000	.000	.000	.038	.000	.000	.000
ELEVATION	204.476	1330.000	1345.000	1360.000	1371.000	1371.000	1371.038	1373.000	1375.000	1370.000

VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-27.950	.000	.000	.000	.000	.000	-.771	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	1.463	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.000	.000	.000	4.323	4.393	.000	.000
ELEVATION	1369.000	1370.000	1370.000	1371.000	1360.000	1330.000	204.323	204.393	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-1.314	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.463	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	1.314	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	1.268	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.000	.000	.099	.000	.000	.000
ELEVATION	1358.000	1356.000	1357.000	1349.000	1461.000	1450.000	1446.099	1421.000	1436.000	1438.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	4.239	4.281	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	204.239	204.281	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.268	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	1.139	.000	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	4.239	4.260	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	204.239	204.260	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-1.139	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.139	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.139	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	-.513	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.154
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.000	1245.000	1566.154
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 4.00 MAX. TIMESTEP(SEC.) = 5.50 MEAN TIMESTEP(SEC.) = 4.77

MODEL TIME(HOURS) = 4.25 (SECONDS) = .153E+05 (TOTAL TIMESTEP NUMBER) = 1.9E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 14049.67

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.956	.422	.250	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.956	1561.422	1558.250	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-3.631	-1.619	.000

VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	3.631	1.619	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	12.116	4.698	3.692	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.250	.295	.667	1.103	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.250	1540.295	1541.667	1543.104	1545.000	1362.000
VEL-N	.000	.000	.000	.000	-.192	-1.570	-2.415	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-3.692	-4.698	-12.116	.000	.000
VEL-S	.000	.000	.000	.000	.000	.192	1.570	2.415	.000	.000
VEL-W	.000	.000	.000	.000	.000	4.249	5.774	8.610	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.292
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.292
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1.718
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	5.124

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	1.434	.509	.903	.249	.000	.000	.000	.000	.251	.254
ELEVATION	1522.434	1522.509	1520.903	1521.249	1525.000	1525.000	1510.000	1506.000	1502.251	1515.254
VEL-N	1.718	.274	-1.519	.000	.000	.000	.000	.000	-2.557	2.744
VEL-E	-8.610	-5.774	-4.249	.000	.000	.000	.000	.000	.000	-3.613
VEL-S	-.274	1.519	.000	.000	.000	.000	.000	.000	.000	2.557
VEL-W	7.309	4.930	3.613	.000	.000	.000	.000	.000	.000	6.045

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.588	.815	.425	.250	.249	.099	.000	.000	.000	.000
ELEVATION	1505.589	1503.815	1501.425	1499.250	1498.250	1495.099	1359.000	1359.000	1349.000	1349.000
VEL-N	1.756	2.456	1.560	.000	.000	.000	.000	.000	.000	.000
VEL-E	-4.930	-7.309	-5.124	.000	.000	.000	.000	.000	.000	.000
VEL-S	-2.744	-1.756	-2.456	-1.560	.000	.000	.000	.000	.000	.000
VEL-W	4.689	9.527	5.916	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.247	.283	.499	.848	.268	.381	.249	.249	.000
ELEVATION	1350.000	1477.247	1476.283	1478.499	1478.848	1486.268	1482.381	1487.249	1478.249	1494.000
VEL-N	.000	.000	.000	1.497	.993	2.472	-1.790	.000	.000	.000
VEL-E	.000	.000	.000	-5.916	-9.527	-4.689	-6.045	.000	.000	.000
VEL-S	.000	.000	-1.497	-.993	-2.472	1.790	.000	.000	.000	.000
VEL-W	.000	.000	3.717	5.267	9.467	3.420	4.585	.000	1.390	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.251	.247	.392	.250	.798	.636	.410	.249
ELEVATION	1496.000	1476.000	1473.251	1470.247	1466.392	1466.250	1461.798	1458.636	1455.410	1454.249
VEL-N	.000	.000	.000	.000	.331	1.836	3.112	2.190	.967	.000
VEL-E	.000	.000	-1.390	.000	-4.585	-3.420	-9.467	-5.267	-3.717	.000
VEL-S	.000	.000	.000	.000	.000	-.331	-1.836	-3.112	-2.190	-.967
VEL-W	.000	.000	.000	.000	4.494	3.174	7.500	5.886	4.618	3.455

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.895	1.888	.568	.691	.792
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.895	1432.888	1435.568	1440.691	1445.792
VEL-N	.000	.000	.000	.000	.000	.000	.000	2.111	3.125	3.477
VEL-E	.000	.000	.000	.000	.000	.000	-3.455	-4.618	-5.886	-7.500
VEL-S	.000	.000	.000	.000	.000	.000	-2.111	-3.125	-3.477	-1.175
VEL-W	.000	.000	.000	.000	.000	.000	1.464	4.734	6.340	5.382

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.250	.465	.248	.117	.249	.000	.251	.494	.251	.529
ELEVATION	1448.250	1446.465	1449.248	1452.117	1457.249	1442.000	1436.251	1432.494	1432.251	1431.529
VEL-N	1.175	-1.001	1.040	.000	.000	.000	.000	.482	.000	2.986
VEL-E	-3.174	-4.494	.000	.000	.000	.000	-1.921	-4.211	-2.982	-5.382
VEL-S	1.001	-1.040	.000	.000	.000	.000	.000	.000	-.482	.000
VEL-W	2.982	4.211	1.921	.000	.000	.000	.000	3.779	.000	4.900

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.634	1.080	.370	.000	.000	4.899	.000	.000	.000	.000
ELEVATION	1425.634	1422.080	1432.370	1440.000	1363.000	204.899	1305.000	1270.000	1260.000	1430.000
VEL-N	2.616	-3.108	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-5.545	-4.734	-1.464	.000	.000	1.027	.000	.000	.000	.000
VEL-S	-2.986	-2.616	3.108	.000	.000	.000	.000	.000	.000	.000
VEL-W	5.714	6.227	1.686	.000	.000	1.087	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.249	.700	.897	.321	.279	.252	.606	.061	.000	.323
ELEVATION	1429.249	1411.700	1411.897	1414.321	1413.279	1415.252	1417.606	1423.061	1410.000	1405.323
VEL-N	.000	.000	.897	1.716	-.957	.000	1.365	.000	.000	.983
VEL-E	-1.686	-6.227	-5.714	-4.900	.000	.000	-3.779	.000	.000	-2.822
VEL-S	.000	-.897	-1.716	.957	.000	-1.365	.000	.000	.000	.000
VEL-W	.000	9.309	5.335	3.911	3.303	.000	2.822	.000	.000	3.247

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.250	.483	.382	.411	1.493	.242	.202	.000	.000	.000
ELEVATION	1403.250	1396.483	1398.382	1400.411	1386.493	1400.242	1388.202	1265.000	1260.000	1258.000
VEL-N	1.956	-1.363	-1.445	4.309	.000	.000	.000	.000	.000	.000
VEL-E	.000	-3.303	-3.911	-5.335	-9.309	.000	.000	.000	.000	.000
VEL-S	-.983	-1.956	1.363	1.445	-4.309	.000	.000	.000	.000	.000
VEL-W	3.134	3.737	3.470	3.504	5.979	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	4.914	.000	.000	.000	.000	.000	.000	1.180
ELEVATION	1260.000	1300.000	204.914	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1376.180
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-1.087	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-5.530
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	7.264

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	1.337	.251	.667	.443	.878	2.918	.000	.000	.250	.821
ELEVATION	1381.337	1385.251	1380.667	1385.443	1385.878	1385.918	1402.000	1391.000	1384.250	1371.821
VEL-N	5.530	1.480	-1.335	1.990	.938	.583	.000	.000	2.193	1.532
VEL-E	-5.979	-3.504	-3.470	-3.737	-3.134	-3.247	.000	.000	-1.636	-3.361
VEL-S	-1.480	1.335	-1.990	-.938	-.583	.000	.000	.000	.000	-2.193
VEL-W	2.338	2.364	3.800	3.361	1.636	.000	.000	.000	1.759	.951

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.576	.249	.276	.783	.643	.000	.000	.000	.000	.000
ELEVATION	1370.576	1375.249	1379.276	1363.783	1350.643	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	-1.615	-1.549	3.136	6.042	.000	.000	.000	.000	.000	.000
VEL-E	-3.800	-2.364	-2.338	-7.264	.000	.000	.000	.000	.000	.000
VEL-S	-1.532	1.615	1.549	-3.136	-6.042	.000	.000	.000	.000	.000
VEL-W	1.343	4.505	2.420	6.295	6.743	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	14.662	15.524	.209	.796
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	214.662	215.524	1330.209	1335.796
VEL-N	.000	.000	.000	.000	.000	.000	.000	-11.997	.000	3.496

VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-6.743
VEL-S	.000	.000	.000	.000	.000	.000	11.997	.000	-3.496	-3.924
VEL-W	.000	.000	.000	.000	.000	.000	.000	-14.391	.000	7.700

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.395	.250	.782	.481	.968	.251	.000	.000	.000	.000
ELEVATION	1345.395	1371.250	1345.782	1370.481	1370.968	1376.251	1380.000	1387.000	1380.000	1378.000
VEL-N	3.924	.000	.000	7.171	.813	1.073	.000	.000	.000	.000
VEL-E	-6.295	-2.420	-4.505	-1.343	-.951	-1.759	.000	.000	.000	.000
VEL-S	.000	.000	-7.171	-.813	-1.073	.000	.000	.000	.000	.000
VEL-W	5.949	.000	5.569	2.741	.701	.754	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.250	.343	.408	.900	1.371	2.472	.296	15.340	14.365	.000
ELEVATION	1374.250	1370.343	1365.408	1335.900	1321.371	1317.472	1310.296	215.340	214.365	1376.000
VEL-N	1.054	1.703	5.619	7.422	5.093	6.892	.000	-11.709	.000	.000
VEL-E	-.754	-.701	-2.467	-5.569	.000	-5.949	-7.700	.000	14.391	.000
VEL-S	.000	-1.054	-1.703	-5.619	-7.422	-5.093	-6.892	.000	11.709	.000
VEL-W	.852	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	5.096	.000	.000	.000	.000	.000	.089	.000	.000	.000
ELEVATION	205.096	1330.000	1345.000	1360.000	1371.000	1371.000	1371.089	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-.852	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	1.250	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.000	.000	.000	5.026	5.072	.000	.000
ELEVATION	1369.000	1370.000	1370.000	1371.000	1360.000	1330.000	205.026	205.072	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-1.029	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.250	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	1.029	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	1.464	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.000	.000	.168	.000	.000	.000
ELEVATION	1358.000	1356.000	1357.000	1349.000	1461.000	1450.000	1446.168	1421.000	1436.000	1438.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	4.943	5.017	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	204.943	205.017	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	.825	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.464	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-.825	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	1.588	-.825	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	4.943	4.973	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	204.943	204.973	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-1.588	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.825	-1.588	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.588	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	-1.027	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.154
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.000	1245.000	1566.154
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 3.50 MAX. TIMESTEP(SEC.) = 4.50 MEAN TIMESTEP(SEC.) = 3.96

MODEL TIME(HOURS) = 4.50 (SECONDS) = .162E+05 (TOTAL TIMESTEP NUMBER) = 2.4E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 13059.57

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.916	.401	.250	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.916	1561.401	1558.250	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-3.516	-1.581	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	3.516	1.581	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	11.775	4.546	3.690	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.249	.284	.638	1.058	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.249	1540.284	1541.638	1543.058	1545.000	1362.000
VEL-N	.000	.000	.000	.000	-.166	-1.517	-2.334	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-3.690	-4.546	-11.775	.000	.000
VEL-S	.000	.000	.000	.000	.000	.166	1.517	2.334	.000	.000
VEL-W	.000	.000	.000	.000	.000	4.147	5.594	8.374	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.278
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.278
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1.643
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	4.957

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	1.380	.484	.861	.248	.000	.000	.000	.000	.252	.252
ELEVATION	1522.380	1522.484	1520.861	1521.248	1525.000	1525.000	1510.000	1506.000	1502.252	1515.252
VEL-N	1.643	.310	-1.475	.000	.000	.000	.000	.000	-2.558	2.733
VEL-E	-8.374	-5.594	-4.147	.000	.000	.000	.000	.000	.000	-3.508
VEL-S	-.310	1.475	.000	.000	.000	.000	.000	.000	.000	2.558
VEL-W	7.121	4.763	3.508	.000	.000	.000	.000	.000	2.410	6.014

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.563	.784	.405	.251	.249	.113	.000	.000	.000	.000
ELEVATION	1505.563	1503.784	1501.405	1499.251	1498.249	1495.113	1359.000	1359.000	1349.000	1349.000
VEL-N	1.706	2.384	1.524	.000	.000	.000	.000	.000	.000	.000
VEL-E	-4.763	-7.121	-4.957	.000	.000	.000	.000	.000	.000	.000
VEL-S	-2.733	-1.706	-2.384	-1.524	.000	.000	.000	.000	.000	.000
VEL-W	4.531	9.289	5.728	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60

DEPTH	.000	.248	.271	.475	.816	.251	.364	.251	.249	.000
ELEVATION	1350.000	1477.248	1476.271	1478.475	1478.816	1486.251	1482.364	1487.251	1478.249	1494.000
VEL-N	.000	.000	.000	1.447	.953	2.369	-1.713	.000	.000	.000
VEL-E	.000	.000	.000	-5.728	-9.289	-4.531	-6.014	-2.410	.000	.000
VEL-S	.000	.000	-1.447	-.953	-2.369	1.713	.000	.000	.000	.000
VEL-W	.000	.000	3.608	5.099	9.225	3.339	4.446	.000	1.391	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.249	.249	.374	.249	.768	.608	.392	.249
ELEVATION	1496.000	1476.000	1473.249	1470.249	1466.374	1466.249	1461.768	1458.608	1455.392	1454.249
VEL-N	.000	.000	.921	.000	.304	1.836	3.027	2.123	.942	.000
VEL-E	.000	.000	-1.391	.000	-4.446	-3.339	-9.225	-5.099	-3.608	.000
VEL-S	.000	.000	.000	-.921	.000	-.304	-1.836	-3.027	-2.123	-.942
VEL-W	.000	.000	2.131	.000	4.354	3.161	7.317	5.713	4.484	3.454

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.858	1.852	.543	.663	.763
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.859	1432.852	1435.543	1440.663	1445.763
VEL-N	.000	.000	.000	.000	.000	.000	.000	2.054	3.036	3.390
VEL-E	.000	.000	.000	.000	.000	.000	-3.454	-4.484	-5.713	-7.317
VEL-S	.000	.000	.000	.000	.000	.000	-2.054	-3.036	-3.390	.000
VEL-W	.000	.000	.000	.000	.000	.000	1.412	4.600	6.169	5.254

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.252	.444	.249	.156	.252	.000	.251	.472	.249	.511
ELEVATION	1448.252	1446.444	1449.249	1452.156	1457.252	1442.000	1436.250	1432.472	1432.249	1431.511
VEL-N	.000	.000	1.045	.000	.000	.000	.000	.449	.644	2.916
VEL-E	-3.161	-4.354	.000	.000	-2.131	.000	-1.922	-4.087	.000	-5.254
VEL-S	.000	-1.045	.000	.000	.000	.000	.000	.000	-.449	-.644
VEL-W	.000	4.087	1.922	.000	.000	.000	.000	3.666	3.261	4.781

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.610	1.037	.356	.000	.000	5.612	.000	.000	.000	.000
ELEVATION	1425.610	1422.037	1432.356	1440.000	1363.000	205.612	1305.000	1270.000	1260.000	1430.000
VEL-N	2.554	-3.030	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-5.396	-4.600	-1.412	.000	.000	-1.626	.000	.000	.000	.000
VEL-S	-2.916	-2.554	3.030	.000	.000	.000	.000	.000	.000	.000
VEL-W	5.567	6.058	1.657	.000	.000	-.837	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.250	.672	.867	.310	.270	.249	.580	.098	.000	.307
ELEVATION	1429.250	1411.672	1411.867	1414.310	1413.270	1415.249	1417.580	1423.098	1410.000	1405.307
VEL-N	.000	.000	.870	1.682	-.932	1.050	1.330	.000	.000	.959
VEL-E	-1.657	-6.058	-5.567	-4.781	-3.261	.000	-3.666	.000	.000	-2.735
VEL-S	.000	-.870	-1.682	.932	-1.050	-1.330	.000	.000	.000	.000
VEL-W	.000	9.063	5.202	3.819	3.201	2.583	2.735	.000	.000	3.141

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.250	.466	.368	.394	1.434	.240	.272	.000	.000	.000
ELEVATION	1403.250	1396.467	1398.368	1400.394	1386.434	1400.240	1388.272	1265.000	1260.000	1258.000
VEL-N	1.947	-1.331	-1.406	4.194	.000	.000	.000	.000	.000	.000
VEL-E	-2.583	-3.201	-3.819	-5.202	-9.063	.000	.000	.000	.000	.000
VEL-S	-.959	-1.947	1.331	1.406	-4.194	.000	.000	.000	.000	.000
VEL-W	3.119	3.644	3.386	3.442	5.819	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	5.568	.000	.000	.000	.000	.000	.000	1.140
ELEVATION	1260.000	1300.000	205.568	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1376.140
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.837	.000	.000	.000	.000	.000	.000	.000

VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-5.393
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	7.088

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	1.288	.251	.643	.426	.848	2.883	.000	.000	.251	.791
ELEVATION	1381.288	1385.251	1380.643	1385.426	1385.848	1385.883	1402.000	1391.000	1384.251	1371.791
VEL-N	5.393	1.492	-1.340	1.938	.902	.541	.000	.000	2.204	1.492
VEL-E	-5.819	-3.442	-3.386	-3.644	-3.119	-3.141	.000	.000	-1.591	-3.273
VEL-S	-1.492	1.340	-1.938	-.902	-.541	.000	.000	.000	.000	-2.204
VEL-W	2.256	2.367	3.708	3.273	1.591	.000	.000	.000	1.763	.925

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.550	.249	.260	.753	.618	.000	.000	.000	.000	.000
ELEVATION	1370.550	1375.249	1379.260	1363.753	1350.618	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	-1.621	-1.514	3.012	5.886	.000	.000	.000	.000	.000	.000
VEL-E	-3.708	-2.367	-2.256	-7.088	.000	.000	.000	.000	.000	.000
VEL-S	-1.492	1.621	1.514	-3.012	-5.886	.000	.000	.000	.000	.000
VEL-W	1.272	4.513	2.371	6.129	6.573	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	17.216	15.930	.208	.756
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	217.216	215.930	1330.208	1335.756
VEL-N	.000	.000	.000	.000	.000	.000	.000	11.892	27.700	3.490
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-6.573
VEL-S	.000	.000	.000	.000	.000	.000	-11.892	-27.700	-3.490	-3.824
VEL-W	.000	.000	.000	.000	.000	.000	.000	13.860	27.702	7.673

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.380	.251	.755	.465	.943	.250	.000	.000	.000	.000
ELEVATION	1345.380	1371.251	1345.755	1370.464	1370.943	1376.250	1380.000	1387.000	1380.000	1378.000
VEL-N	3.824	.000	.000	7.005	.791	1.075	.000	.000	.000	.000
VEL-E	-6.129	-2.371	-4.513	-1.272	-.925	-1.763	.000	.000	.000	.000
VEL-S	.000	.000	-7.005	-.791	-1.075	.000	.000	.000	.000	.000
VEL-W	5.797	.000	5.437	2.679	.681	.754	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.250	.329	.396	.871	1.323	2.390	.270	16.526	17.710	.000
ELEVATION	1374.250	1370.328	1365.396	1335.871	1321.323	1317.390	1310.270	216.526	217.710	1376.000
VEL-N	1.056	1.654	5.502	7.265	4.995	6.758	29.850	12.514	.000	.000
VEL-E	-.754	-.681	-2.419	-5.437	.000	-5.797	-7.673	-27.702	-13.860	.000
VEL-S	.000	-1.056	-1.654	-5.502	-7.265	-4.995	-6.758	-29.850	-12.514	.000
VEL-W	.935	.000	.000	.000	.000	.000	30.006	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	5.748	.000	.000	.000	.000	.000	.145	.000	.000	.000
ELEVATION	205.748	1330.000	1345.000	1360.000	1371.000	1371.000	1371.145	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-30.006	.000	.000	.000	.000	.000	-.935	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.651	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.000	.000	.000	5.703	5.708	.000	.000
ELEVATION	1369.000	1370.000	1370.000	1371.000	1360.000	1330.000	205.703	205.708	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-1.216	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-.651	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	1.216	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220

DEPTH	.000	.000	.000	.000	.000	.000	.231	.000	.000	.000
ELEVATION	1358.000	1356.000	1357.000	1349.000	1461.000	1450.000	1446.231	1421.000	1436.000	1438.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	5.655	5.611	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	205.655	205.611	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	-1.686	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	1.686	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-1.207	1.686	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	5.655	5.560	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	205.655	205.560	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	1.207	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-1.686	1.207	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-1.207	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	1.626	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.154
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.000	1245.000	1566.154
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 3.00 MAX. TIMESTEP(SEC.) = 4.00 MEAN TIMESTEP(SEC.) = 3.38

MODEL TIME(HOURS) = 4.75 (SECONDS) = .171E+05 (TOTAL TIMESTEP NUMBER) = 3.0E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 12066.01

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.874	.380	.250	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.874	1561.380	1558.250	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-3.395	-1.538	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	3.395	1.538	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	11.415	4.387	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.249	.272	.608	1.011	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.249	1540.272	1541.608	1543.011	1545.000	1362.000
VEL-N	.000	.000	.000	.000	-.141	-1.462	-2.249	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-4.387	-11.415	.000	.000
VEL-S	.000	.000	.000	.000	.000	.141	1.462	2.249	.000	.000
VEL-W	.000	.000	.000	.000	.000	4.063	5.405	8.125	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.264

ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.264
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1.567
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	4.784

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	1.325	.457	.817	.249	.000	.000	.000	.000	.251	.248
ELEVATION	1522.325	1522.457	1520.818	1521.249	1525.000	1525.000	1510.000	1506.000	1502.251	1515.248
VEL-N	1.567	.338	-1.429	.000	.000	.000	.000	.000	-2.537	2.704
VEL-E	-8.125	-5.405	-4.063	.000	.000	.000	.000	.000	.000	-3.393
VEL-S	-.338	1.429	.000	.000	.000	.000	.000	.000	.000	2.537
VEL-W	6.922	4.591	3.393	.000	.000	.000	.000	.000	2.406	5.941

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.528	.751	.384	.249	.248	.127	.000	.000	.000	.000
ELEVATION	1505.528	1503.751	1501.384	1499.249	1498.248	1495.127	1359.000	1359.000	1349.000	1349.000
VEL-N	1.636	2.305	1.484	.745	.000	.000	.000	.000	.000	.000
VEL-E	-4.591	-6.922	-4.784	.000	.000	.000	.000	.000	.000	.000
VEL-S	-2.704	-1.636	-2.305	-1.484	-.745	.000	.000	.000	.000	.000
VEL-W	4.400	9.024	5.528	3.580	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.250	.261	.450	.783	.250	.350	.251	.250	.000
ELEVATION	1350.000	1477.250	1476.261	1478.450	1478.783	1486.250	1482.350	1487.250	1478.250	1494.000
VEL-N	.000	.000	.000	1.394	.913	2.375	-1.716	.000	.000	.000
VEL-E	.000	.000	-3.580	-5.528	-9.024	-4.400	-5.941	-2.406	.000	.000
VEL-S	.000	.000	-1.394	-.913	-2.375	1.716	.000	.000	.000	.000
VEL-W	.000	.000	3.492	4.923	8.967	3.342	4.335	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.249	.249	.358	.252	.735	.579	.373	.250
ELEVATION	1496.000	1476.000	1473.249	1470.249	1466.358	1466.252	1461.735	1458.579	1455.373	1454.250
VEL-N	.000	.000	.000	.000	.277	1.855	2.933	2.052	.915	.000
VEL-E	.000	.000	.000	.000	-4.335	-3.342	-8.967	-4.923	-3.492	.000
VEL-S	.000	.000	.000	.000	.000	-.277	-1.855	-2.933	-2.052	-.915
VEL-W	.000	.000	.000	.000	4.229	3.160	7.117	5.530	4.342	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.819	1.813	.518	.634	.734
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.819	1432.813	1435.518	1440.634	1445.734
VEL-N	.000	.000	.000	.000	.000	.000	.000	1.994	2.942	3.296
VEL-E	.000	.000	.000	.000	.000	.000	.000	-4.342	-5.530	-7.117
VEL-S	.000	.000	.000	.000	.000	.000	-1.994	-2.942	-3.296	.000
VEL-W	.000	.000	.000	.000	.000	.000	1.360	4.459	5.986	5.117

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.249	.425	.250	.192	.250	.018	.251	.451	.249	.491
ELEVATION	1448.249	1446.425	1449.250	1452.192	1457.250	1442.018	1436.251	1432.451	1432.249	1431.491
VEL-N	.000	.000	1.050	.000	.000	.000	.000	.418	.652	2.842
VEL-E	-3.160	-4.229	.000	.000	.000	.000	-1.924	-3.969	.000	-5.117
VEL-S	.000	-1.050	.000	.000	.000	.000	.000	.000	-.418	-.652
VEL-W	.000	3.969	1.924	.000	.000	.000	.000	3.556	3.258	4.656

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.584	.993	.340	.000	.000	6.198	.000	.000	.000	.000
ELEVATION	1425.584	1421.993	1432.340	1440.000	1363.000	206.198	1305.000	1270.000	1260.000	1430.000
VEL-N	2.488	-2.944	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-5.237	-4.459	-1.360	.000	.000	1.557	.000	.000	.000	.000
VEL-S	-2.842	-2.488	2.944	.000	.000	.000	.000	.000	.000	.000

VEL-W	5.409	5.878	1.628	.000	.000	1.351	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.247	.645	.835	.298	.257	.251	.553	.137	.000	.291
ELEVATION	1429.247	1411.645	1411.835	1414.298	1413.257	1415.251	1417.553	1423.137	1410.000	1405.291
VEL-N	.000	-3.922	.841	1.645	-.906	.000	1.294	.000	.000	.938
VEL-E	-1.628	-5.878	-5.409	-4.656	-3.258	.000	-3.556	.000	.000	-2.645
VEL-S	3.922	-.841	-1.645	.906	.000	-1.294	.000	.000	.000	.000
VEL-W	5.001	8.801	5.060	3.720	3.111	.000	2.645	.000	.000	3.030

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.250	.447	.353	.376	1.370	.249	.340	.000	.000	.000
ELEVATION	1403.250	1396.447	1398.353	1400.376	1386.370	1400.249	1388.340	1265.000	1260.000	1258.000
VEL-N	1.958	-1.297	-1.364	4.070	.000	.000	.000	.000	.000	.000
VEL-E	.000	-3.111	-3.720	-5.060	-8.801	-5.001	.000	.000	.000	.000
VEL-S	-.938	-1.958	1.297	1.364	-4.070	.000	.000	.000	.000	.000
VEL-W	3.135	3.539	3.296	3.379	5.646	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	6.219	.000	.000	.000	.000	.000	.000	1.095
ELEVATION	1260.000	1300.000	206.219	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1376.095
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-1.351	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-5.241
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	6.891

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	1.234	.252	.618	.407	.812	2.845	.000	.000	.252	.759
ELEVATION	1381.234	1385.252	1380.618	1385.407	1385.812	1385.845	1402.000	1391.000	1384.252	1371.759
VEL-N	5.241	1.506	-1.348	1.882	.859	.513	.000	.000	2.210	1.448
VEL-E	-5.646	-3.379	-3.296	-3.539	-3.135	-3.030	.000	.000	-1.540	-3.177
VEL-S	-1.506	1.348	-1.882	-.859	-.513	.000	.000	.000	.000	-2.210
VEL-W	2.172	2.360	3.609	3.177	1.540	.000	.000	.000	1.760	.897

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.523	.250	.255	.722	.593	.000	.000	.000	.000	.000
ELEVATION	1370.523	1375.250	1379.255	1363.722	1350.593	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	-1.497	2.976	5.721	.000	.000	.000	.000	.000	.000
VEL-E	-3.609	-2.360	-2.172	-6.891	.000	.000	.000	.000	.000	.000
VEL-S	-1.448	.000	1.497	-2.976	-5.721	.000	.000	.000	.000	.000
VEL-W	1.204	.000	2.345	5.957	6.398	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	18.298	19.178	.248	.717
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	218.298	219.178	1330.248	1335.717
VEL-N	.000	.000	.000	.000	.000	.000	.000	-15.076	.000	3.371
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-6.398
VEL-S	.000	.000	.000	.000	.000	.000	15.076	.000	-3.371	-3.727
VEL-W	.000	.000	.000	.000	.000	.000	.000	-17.827	.000	7.381

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.365	.247	.725	.447	.916	.250	.000	.000	.000	.000
ELEVATION	1345.365	1371.247	1345.725	1370.447	1370.916	1376.250	1380.000	1387.000	1380.000	1378.000
VEL-N	3.727	.000	.000	6.823	.768	.000	.000	.000	.000	.000
VEL-E	-5.957	-2.345	.000	-1.204	-.897	-1.760	.000	.000	.000	.000
VEL-S	.000	.000	-6.823	-.768	.000	.000	.000	.000	.000	.000
VEL-W	5.649	.000	5.311	2.611	.660	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.249	.313	.382	.839	1.273	2.303	.258	18.963	17.957	.000

ELEVATION	1374.249	1370.313	1365.382	1335.839	1321.273	1317.303	1310.258	218.963	217.957	1376.000
VEL-N	1.058	1.603	5.377	7.089	4.890	6.549	28.555	-14.863	.000	.000
VEL-E	.000	-.660	-2.368	-5.311	.000	-5.649	-7.381	.000	17.827	.000
VEL-S	.000	-1.058	-1.603	-5.377	-7.089	-4.890	-6.549	-28.555	14.863	.000
VEL-W	1.020	.000	.000	.000	.000	.000	28.710	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	6.355	.000	.000	.000	.000	.000	.206	.000	.000	.000
ELEVATION	206.355	1330.000	1345.000	1360.000	1371.000	1371.000	1371.206	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-28.710	.000	.000	.000	.000	.000	-1.020	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	1.409	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.000	.000	.000	6.286	6.333	.000	.000
ELEVATION	1369.000	1370.000	1370.000	1371.000	1360.000	1330.000	206.286	206.333	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.409	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	1.865	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.000	.000	.250	.000	.025	.000
ELEVATION	1358.000	1356.000	1357.000	1349.000	1461.000	1450.000	1446.250	1421.000	1436.025	1438.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	6.226	6.304	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	206.226	206.304	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	1.407	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.865	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-1.407	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	1.972	-1.407	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	6.226	6.269	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	206.226	206.269	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-1.972	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	1.407	-1.972	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.972	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	-1.557	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.154
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.000	1245.000	1566.154
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 2.50 MAX. TIMESTEP(SEC.) = 3.50 MEAN TIMESTEP(SEC.) = 2.97

MODEL TIME(HOURS) = 5.00 (SECONDS) = .180E+05 (TOTAL TIMESTEP NUMBER) = 3.7E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 11070.72

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.831	.359	.250	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.831	1561.359	1558.250	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-3.269	-1.500	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	3.269	1.500	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	11.037	4.219	3.688	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.249	.262	.577	.962	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.249	1540.262	1541.577	1542.962	1545.000	1362.000
VEL-N	.000	.000	.000	.000	-.094	-1.403	-2.160	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-3.688	-4.219	-11.037	.000	.000
VEL-S	.000	.000	.000	.000	.000	.094	1.403	2.160	.000	.000
VEL-W	.000	.000	.000	.000	.000	3.933	5.207	7.863	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.251
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.251
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1.488
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	4.630

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	1.268	.431	.772	.250	.000	.000	.000	.000	.251	.249
ELEVATION	1522.268	1522.431	1520.772	1521.250	1525.000	1525.000	1510.000	1506.000	1502.251	1515.249
VEL-N	1.488	.361	-1.381	.000	.000	.000	.000	.000	-2.541	2.723
VEL-E	-7.863	-5.207	-3.933	.000	.000	.000	.000	.000	.000	-3.287
VEL-S	-.361	1.381	.000	.000	.000	.000	.000	.000	.000	2.541
VEL-W	6.711	4.413	3.287	.000	.000	.000	.000	.000	.000	5.973

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.492	.717	.362	.251	.249	.141	.000	.000	.000	.000
ELEVATION	1505.492	1503.717	1501.361	1499.251	1498.249	1495.141	1359.000	1359.000	1349.000	1349.000
VEL-N	1.559	2.221	1.440	.000	.000	.000	.000	.000	.000	.000
VEL-E	-4.413	-6.711	-4.630	.000	.000	.000	.000	.000	.000	.000
VEL-S	-2.723	-1.559	-2.221	-1.440	.000	.000	.000	.000	.000	.000
VEL-W	4.253	8.746	5.310	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.249	.251	.424	.747	.254	.333	.248	.250	.000
ELEVATION	1350.000	1477.249	1476.251	1478.424	1478.747	1486.254	1482.333	1487.248	1478.250	1494.000
VEL-N	.000	.000	.000	1.344	.871	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-5.310	-8.746	-4.253	-5.973	.000	.000	.000
VEL-S	.000	.000	-1.344	-.871	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	3.430	4.728	8.702	.000	4.197	.000	1.392	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.251	.249	.342	.247	.703	.549	.353	.250
ELEVATION	1496.000	1476.000	1473.251	1470.249	1466.342	1466.247	1461.703	1458.549	1455.353	1454.250
VEL-N	.000	.000	.000	1.233	.252	1.849	2.840	1.975	.886	.000
VEL-E	.000	.000	-1.392	.000	-4.197	.000	-8.702	-4.728	-3.430	.000
VEL-S	.000	.000	.000	.000	-1.233	-.252	-1.849	-2.840	-1.975	-.886
VEL-W	.000	.000	.000	2.440	4.096	3.164	6.912	5.337	4.179	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.778	1.771	.491	.603	.704
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.778	1432.771	1435.491	1440.603	1445.703
VEL-N	.000	.000	.000	.000	.000	.000	.000	1.929	2.843	3.195
VEL-E	.000	.000	.000	.000	.000	.000	.000	-4.179	-5.337	-6.912
VEL-S	.000	.000	.000	.000	.000	.000	-1.929	-2.843	-3.195	-1.191
VEL-W	.000	.000	.000	.000	.000	.000	1.299	4.306	5.795	4.969

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.249	.406	.250	.227	.249	.039	.249	.432	.252	.470
ELEVATION	1448.249	1446.406	1449.250	1452.227	1457.249	1442.039	1436.249	1432.432	1432.252	1431.470
VEL-N	1.191	-1.014	.000	.000	.000	.000	.000	.392	.000	2.764
VEL-E	-3.164	-4.096	-2.440	.000	.000	.000	.000	-3.851	-2.984	-4.969
VEL-S	1.014	.000	.000	.000	.000	.000	.000	.000	-.392	.000
VEL-W	2.984	3.851	.000	.000	.000	.000	.000	3.455	.000	4.523

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.558	.947	.324	.000	.000	6.832	.000	.000	.000	.000
ELEVATION	1425.557	1421.947	1432.324	1440.000	1363.000	206.832	1305.000	1270.000	1260.000	1430.000
VEL-N	2.419	-2.853	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-5.072	-4.306	-1.299	.000	.000	-2.014	.000	.000	.000	.000
VEL-S	-2.764	-2.419	2.853	.000	.000	.000	.000	.000	.000	.000
VEL-W	5.246	5.694	1.585	.000	.000	-1.234	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.247	.615	.802	.285	.251	.249	.529	.176	.000	.276
ELEVATION	1429.247	1411.615	1411.802	1414.285	1413.251	1415.249	1417.529	1423.176	1410.000	1405.276
VEL-N	.000	.000	.806	1.603	-.883	1.055	1.261	.000	.000	.913
VEL-E	-1.585	-5.694	-5.246	-4.523	.000	.000	-3.455	.000	.000	-2.560
VEL-S	.000	-.806	-1.603	.883	-1.055	-1.261	.000	.000	.000	.000
VEL-W	.000	8.556	4.911	3.612	3.076	2.580	2.560	.000	.000	2.926

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.251	.427	.338	.357	1.309	.245	.408	.000	.000	.000
ELEVATION	1403.251	1396.427	1398.338	1400.357	1386.309	1400.245	1388.408	1265.000	1260.000	1258.000
VEL-N	.000	-1.260	-1.320	3.938	-3.497	3.223	.000	.000	.000	.000
VEL-E	-2.580	-3.076	-3.612	-4.911	-8.556	.000	.000	.000	.000	.000
VEL-S	-.913	.000	1.260	1.320	-3.938	3.497	-3.223	.000	.000	.000
VEL-W	.000	3.432	3.199	3.301	5.470	4.607	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	6.789	.000	.000	.000	.000	.000	.000	1.050
ELEVATION	1260.000	1300.000	206.789	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1376.050
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	1.234	.000	.000	.000	.000	.000	.000	-4.607
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-5.084
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	6.689

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	1.180	.250	.592	.388	.778	2.808	.000	.000	.251	.727
ELEVATION	1381.180	1385.250	1380.592	1385.388	1385.778	1385.808	1402.000	1391.000	1384.251	1371.727
VEL-N	5.084	1.507	-1.343	1.823	.821	.468	.000	.000	2.208	1.404
VEL-E	-5.470	-3.301	-3.199	-3.432	.000	-2.926	.000	.000	-1.493	-3.077
VEL-S	-1.507	1.343	-1.823	-.821	-.468	.000	.000	.000	.000	-2.208
VEL-W	2.088	2.357	3.508	3.077	1.493	.000	.000	.000	1.760	.870

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.496	.250	.253	.691	.568	.000	.000	.000	.000	.000
ELEVATION	1370.496	1375.250	1379.254	1363.691	1350.568	1365.000	1292.000	1296.000	200.000	200.000

VEL-N	.000	.000	.000	5.560	.000	.000	.000	.000	.000	.000
VEL-E	-3.508	-2.357	-2.088	-6.689	.000	.000	.000	.000	.000	.000
VEL-S	-1.404	.000	.000	.000	-5.560	.000	.000	.000	.000	.000
VEL-W	1.130	.000	.000	5.789	6.215	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	20.637	19.349	.250	.678
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	220.637	219.349	1330.250	1335.678
VEL-N	.000	.000	.000	.000	.000	.000	.000	15.516	.000	3.273
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-6.215
VEL-S	.000	.000	.000	.000	.000	.000	-15.516	.000	-3.273	-3.622
VEL-W	.000	.000	.000	.000	.000	.000	.000	18.157	.000	7.163

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.349	.247	.696	.428	.888	.250	.000	.000	.000	.000
ELEVATION	1345.349	1371.247	1345.696	1370.428	1370.888	1376.250	1380.000	1387.000	1380.000	1378.000
VEL-N	3.622	.000	.000	6.631	.742	.000	.000	.000	.000	.000
VEL-E	-5.789	.000	.000	-1.130	-.870	-1.760	.000	.000	.000	.000
VEL-S	.000	.000	-6.631	-.742	.000	.000	.000	.000	.000	.000
VEL-W	5.492	.000	5.168	2.540	.637	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.250	.298	.368	.806	1.221	2.214	.253	19.921	21.090	.000
ELEVATION	1374.250	1370.298	1365.368	1335.806	1321.221	1317.214	1310.253	219.921	221.090	1376.000
VEL-N	.000	1.551	5.246	6.905	4.777	6.351	28.218	16.056	.000	.000
VEL-E	.000	-.637	-2.313	-5.168	.000	-5.492	-7.163	.000	-18.157	.000
VEL-S	.000	.000	-1.551	-5.246	-6.905	-4.777	-6.351	-28.218	-16.056	.000
VEL-W	.000	.000	.000	.000	.000	.000	28.396	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	6.945	.000	.000	.000	.000	.006	.250	.000	.000	.000
ELEVATION	206.945	1330.000	1345.000	1360.000	1371.000	1371.006	1371.250	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.236	.000	.000	.000
VEL-E	-28.396	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	-.236	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.542	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.014	.000	.000	.000	.000	6.910	6.897	.000	.000
ELEVATION	1369.000	1370.014	1370.000	1371.000	1360.000	1330.000	206.910	206.897	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-1.847	.000	.000	.000
VEL-E	.000	-.542	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	1.847	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-1.291	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.000	.000	.250	.000	.056	.000
ELEVATION	1358.000	1356.000	1357.000	1349.000	1461.000	1450.000	1446.250	1421.000	1436.056	1438.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	6.861	6.797	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	206.861	206.797	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	-2.116	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	1.291	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	2.116	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-1.800	2.116	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	6.861	6.769	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	206.861	206.769	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	1.800	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-2.116	1.800	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-1.800	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	2.014	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.154
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.000	1245.000	1566.154
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 2.00 MAX. TIMESTEP(SEC.) = 3.00 MEAN TIMESTEP(SEC.) = 2.68

MODEL TIME(HOURS) = 5.25 (SECONDS) = .189E+05 (TOTAL TIMESTEP NUMBER) = 4.5E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 10078.67

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.786	.336	.251	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.786	1561.336	1558.251	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-3.137	-1.456	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	3.137	1.456	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	10.639	4.043	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.250	.252	.544	.912	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.250	1540.252	1541.544	1542.912	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	-1.344	-2.068	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-4.043	-10.639	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.344	2.068	.000	.000
VEL-W	.000	.000	.000	.000	.000	3.864	4.996	7.588	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.250
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1.404
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	4.630

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	1.207	.404	.731	.249	.000	.000	.000	.000	.252	.248
ELEVATION	1522.207	1522.404	1520.731	1521.250	1525.000	1525.000	1510.000	1506.000	1502.252	1515.248
VEL-N	1.404	.380	-1.328	.000	.000	.000	.000	.000	-2.539	2.721
VEL-E	-7.588	-4.996	-3.864	.000	.000	.000	.000	.000	.000	-3.184
VEL-S	-.380	1.328	.000	.000	.000	.000	.000	.000	.000	2.539
VEL-W	6.486	4.227	3.184	.000	.000	.000	.000	.000	.000	5.959

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.456	.680	.339	.251	.248	.155	.000	.000	.000	.000
ELEVATION	1505.456	1503.680	1501.339	1499.251	1498.248	1495.155	1359.000	1359.000	1349.000	1349.000
VEL-N	1.481	2.134	1.398	.000	.000	.000	.000	.000	.000	.000
VEL-E	-4.227	-6.486	-4.630	.000	.000	.000	.000	.000	.000	.000
VEL-S	-2.721	-1.481	-2.134	-1.398	.000	.000	.000	.000	.000	.000
VEL-W	4.111	8.448	5.089	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.248	.252	.396	.710	.250	.318	.249	.249	.000
ELEVATION	1350.000	1477.248	1476.252	1478.396	1478.710	1486.250	1482.318	1487.249	1478.249	1494.000
VEL-N	.000	.000	-.746	1.298	.825	2.385	-1.723	.000	.000	.000
VEL-E	.000	.000	.000	-5.089	-8.448	-4.111	-5.959	.000	.000	.000
VEL-S	.000	.746	-1.298	-.825	-2.385	1.723	.000	.000	.000	.000
VEL-W	.000	3.576	3.430	4.519	8.414	3.335	4.052	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.249	.250	.326	.252	.669	.516	.333	.252
ELEVATION	1496.000	1476.000	1473.249	1470.250	1466.326	1466.252	1461.669	1458.516	1455.333	1454.252
VEL-N	.000	.000	.000	.000	.226	.000	2.740	1.894	.859	.000
VEL-E	.000	.000	.000	.000	-4.052	-3.335	-8.414	-4.519	-3.430	-3.576
VEL-S	.000	.000	.000	.000	.000	-.226	.000	-2.740	-1.894	-.859
VEL-W	.000	.000	.000	.000	3.972	.000	6.693	5.124	4.022	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.737	1.727	.464	.570	.671
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.737	1432.727	1435.464	1440.570	1445.671
VEL-N	.000	.000	.000	.000	.000	.000	.000	1.863	2.736	3.090
VEL-E	.000	.000	.000	.000	.000	.000	.000	-4.022	-5.124	-6.693
VEL-S	.000	.000	.000	.000	.000	.000	-1.863	-2.736	-3.090	.000
VEL-W	.000	.000	.000	.000	.000	.000	1.234	4.148	5.585	4.821

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.250	.387	.249	.250	.250	.061	.250	.412	.249	.450
ELEVATION	1448.250	1446.387	1449.250	1452.250	1457.250	1442.061	1436.250	1432.412	1432.249	1431.450
VEL-N	.000	.000	.000	.000	.000	.000	.000	.363	.000	2.686
VEL-E	.000	-3.972	.000	.000	.000	.000	.000	-3.735	.000	-4.821
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	-.363	.000
VEL-W	.000	3.735	.000	.000	.000	.000	.000	3.351	.000	4.387

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.530	.898	.307	.000	.000	7.318	.000	.000	.000	.000
ELEVATION	1425.530	1421.898	1432.307	1440.000	1363.000	207.318	1305.000	1270.000	1260.000	1430.000
VEL-N	2.346	-2.756	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-4.894	-4.148	-1.234	.000	.000	1.560	.000	.000	.000	.000
VEL-S	-2.686	-2.346	2.756	.000	.000	.000	.000	.000	.000	.000
VEL-W	5.073	5.490	1.554	.000	.000	1.317	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.250	.583	.768	.272	.251	.249	.504	.214	.000	.260
ELEVATION	1429.250	1411.583	1411.768	1414.271	1413.251	1415.249	1417.504	1423.214	1410.000	1405.260
VEL-N	.000	.000	.777	1.558	-.862	1.054	1.227	.000	.000	.892
VEL-E	-1.554	-5.490	-5.073	-4.387	.000	.000	-3.351	.000	.000	-2.473
VEL-S	.000	-.777	-1.558	.862	-1.054	-1.227	.000	.000	.000	.000
VEL-W	.000	8.255	4.753	3.496	3.072	2.578	2.473	.000	.000	2.818

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.251	.411	.321	.337	1.242	.246	.471	.000	.000	.000
ELEVATION	1403.251	1396.411	1398.321	1400.337	1386.242	1400.246	1388.471	1265.000	1260.000	1258.000
VEL-N	.000	-1.219	-1.272	3.798	.000	.000	.000	.000	.000	.000

VEL-E	-2.578	-3.072	-3.496	-4.753	-8.255	.000	.000	.000	.000	.000
VEL-S	-.892	.000	1.219	1.272	-3.798	.000	.000	.000	.000	.000
VEL-W	.000	3.335	3.096	3.229	5.284	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	7.361	.000	.000	.000	.000	.000	.000	.999
ELEVATION	1260.000	1300.000	207.361	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.999
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-1.317	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-4.916
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	6.474

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	1.122	.250	.565	.369	.745	2.771	.000	.000	.252	.695
ELEVATION	1381.122	1385.250	1380.565	1385.369	1385.745	1385.771	1402.000	1391.000	1384.252	1371.695
VEL-N	4.916	1.521	-1.350	1.767	.782	.432	.000	.000	.000	1.363
VEL-E	-5.284	-3.229	-3.096	-3.335	.000	-2.818	.000	.000	-1.444	-2.980
VEL-S	-1.521	1.350	-1.767	-.782	-.432	.000	.000	.000	.000	.000
VEL-W	2.001	2.359	3.401	2.980	1.444	.000	.000	.000	.000	.844

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.468	.251	.251	.659	.541	.000	.000	.000	.000	.000
ELEVATION	1370.468	1375.251	1379.251	1363.659	1350.541	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	-1.494	2.962	5.380	.000	.000	.000	.000	.000	.000
VEL-E	-3.401	-2.359	-2.001	-6.474	.000	.000	.000	.000	.000	.000
VEL-S	-1.363	.000	1.494	-2.962	-5.380	.000	.000	.000	.000	.000
VEL-W	1.054	.000	2.337	5.598	6.023	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	21.295	22.795	.231	.637
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	221.295	222.795	1330.231	1335.637
VEL-N	.000	.000	.000	.000	.000	.000	.000	-14.674	.000	3.125
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-6.023
VEL-S	.000	.000	.000	.000	.000	.000	14.674	.000	-3.125	-3.510
VEL-W	.000	.000	.000	.000	.000	.000	.000	-17.081	.000	6.939

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.332	.247	.665	.408	.860	.249	.000	.000	.000	.000
ELEVATION	1345.332	1371.247	1345.665	1370.408	1370.860	1376.249	1380.000	1387.000	1380.000	1378.000
VEL-N	3.510	.000	.000	6.433	.717	1.082	.000	.000	.000	.000
VEL-E	-5.598	-2.337	.000	-1.054	-.844	.000	.000	.000	.000	.000
VEL-S	.000	.000	-6.433	-.717	-1.082	.000	.000	.000	.000	.000
VEL-W	5.322	.000	5.012	2.469	.614	.753	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.249	.286	.355	.772	1.168	2.122	.250	22.320	20.733	.000
ELEVATION	1374.249	1370.286	1365.355	1335.772	1321.168	1317.122	1310.250	222.320	220.733	1376.000
VEL-N	1.061	1.506	5.120	6.718	4.660	6.149	28.135	-14.004	.000	.000
VEL-E	-.753	-.614	-2.259	-5.012	.000	-5.322	-6.939	.000	17.081	.000
VEL-S	.000	-1.061	-1.506	-5.120	-6.718	-4.660	-6.149	-28.135	14.004	.000
VEL-W	1.076	.000	.000	.000	.000	.000	28.316	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	7.469	.000	.000	.000	.000	.023	.251	.000	.000	.000
ELEVATION	207.469	1330.000	1345.000	1360.000	1371.000	1371.023	1371.250	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-28.316	.000	.000	.000	.000	.000	-1.076	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	1.722	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.058	.000	.000	.000	.000	7.383	7.473	.000	.000
ELEVATION	1369.000	1370.058	1370.000	1371.000	1360.000	1330.000	207.383	207.473	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	.902	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.722	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-.902	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	2.196	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.000	.000	.249	.000	.083	.000
ELEVATION	1358.000	1356.000	1357.000	1349.000	1461.000	1450.000	1446.250	1421.000	1436.083	1438.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	7.331	7.445	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	207.331	207.445	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	1.601	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-2.196	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-1.601	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	1.932	-1.601	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	7.331	7.422	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	207.331	207.422	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-1.932	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	1.601	-1.932	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.932	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	-1.560	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.154
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.000	1245.000	1566.154
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 2.00 MAX. TIMESTEP(SEC.) = 2.50 MEAN TIMESTEP(SEC.) = 2.42

MODEL TIME(HOURS) = 5.50 (SECONDS) = .198E+05 (TOTAL TIMESTEP NUMBER) = 5.3E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 9085.13

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.740	.313	.250	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.740	1561.313	1558.250	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-2.998	-1.412	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	2.998	1.412	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	10.216	3.856	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20

DEPTH	.000	.000	.000	.000	.250	.251	.508	.859	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.250	1540.251	1541.508	1542.859	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	-1.286	-1.972	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-3.856	-10.216	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.286	1.972	.000	.000
VEL-W	.000	.000	.000	.000	.000	3.862	4.770	7.296	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.252
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.252
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1.316
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	1.143	.376	.679	.249	.000	.000	.000	.000	.251	.247
ELEVATION	1522.143	1522.376	1520.679	1521.250	1525.000	1525.000	1510.000	1506.000	1502.251	1515.247
VEL-N	1.316	.393	-1.274	.000	.000	.000	.000	.000	-2.534	2.719
VEL-E	-7.296	-4.770	-3.862	.000	.000	.000	.000	.000	.000	-3.054
VEL-S	-.393	1.274	.000	.000	.000	.000	.000	.000	.000	2.534
VEL-W	6.245	4.029	3.054	.000	.000	.000	.000	.000	.000	5.945

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.417	.642	.315	.250	.250	.168	.000	.000	.000	.000
ELEVATION	1505.417	1503.642	1501.315	1499.250	1498.250	1495.168	1359.000	1359.000	1349.000	1349.000
VEL-N	1.397	2.042	1.356	.000	.000	.000	.000	.000	.000	.000
VEL-E	-4.029	-6.245	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	-2.719	-1.397	-2.042	-1.356	.000	.000	.000	.000	.000	.000
VEL-W	3.960	8.129	4.872	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.249	.250	.368	.670	.250	.302	.247	.251	.000
ELEVATION	1350.000	1477.249	1476.250	1478.368	1478.670	1486.250	1482.302	1487.247	1478.251	1494.000
VEL-N	.000	.000	.000	1.251	.776	2.395	-1.730	1.934	-2.238	.000
VEL-E	.000	.000	.000	-4.872	-8.129	-3.960	-5.945	.000	.000	.000
VEL-S	.000	.000	-1.251	-.776	-2.395	1.730	-1.934	2.238	.000	.000
VEL-W	.000	.000	3.422	4.305	8.104	3.340	3.909	2.559	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.248	.250	.310	.249	.635	.483	.316	.250
ELEVATION	1496.000	1476.000	1473.248	1470.250	1466.310	1466.249	1461.635	1458.483	1455.316	1454.250
VEL-N	.000	.000	.000	.000	.197	1.863	2.632	1.814	.835	.000
VEL-E	.000	.000	.000	-2.559	-3.909	-3.340	-8.104	-4.305	-3.422	.000
VEL-S	.000	.000	.000	.000	.000	-.197	-1.863	-2.632	-1.814	-.835
VEL-W	.000	.000	.000	.000	3.842	3.160	6.454	4.903	3.881	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.694	1.685	.437	.536	.637
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.694	1432.685	1435.437	1440.536	1445.637
VEL-N	.000	.000	.000	.000	.000	.000	.000	1.796	2.626	2.976
VEL-E	.000	.000	.000	.000	.000	.000	.000	-3.881	-4.903	-6.454
VEL-S	.000	.000	.000	.000	.000	.000	-1.796	-2.626	-2.976	.000
VEL-W	.000	.000	.000	.000	.000	.000	1.173	3.991	5.363	4.657

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.251	.369	.250	.249	.250	.092	.250	.393	.248	.428
ELEVATION	1448.251	1446.369	1449.250	1452.249	1457.250	1442.092	1436.250	1432.393	1432.248	1431.428
VEL-N	.000	.000	1.057	.923	.000	.000	.000	.334	.677	2.599
VEL-E	-3.160	-3.842	.000	.000	.000	-1.315	-1.920	-3.610	.000	-4.657

VEL-S	.000	-1.057	-.923	.000	.000	-.737	.000	.000	-.334	-.677
VEL-W	.000	3.610	1.920	1.315	.000	.000	.000	3.247	3.253	4.236

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.501	.850	.290	.000	.000	7.813	.000	.000	.000	.000
ELEVATION	1425.501	1421.850	1432.290	1440.000	1363.000	207.813	1305.000	1270.000	1260.000	1430.000
VEL-N	2.266	-2.658	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-4.705	-3.991	-1.173	.000	.000	1.881	.000	.000	.000	.000
VEL-S	-2.599	-2.266	2.658	.000	.000	.000	.000	.000	.000	.000
VEL-W	4.889	5.289	1.514	.000	.000	1.512	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.247	.552	.732	.257	.251	.249	.483	.250	.002	.250
ELEVATION	1429.247	1411.552	1411.732	1414.257	1413.251	1415.249	1417.483	1423.250	1410.002	1405.250
VEL-N	.000	.000	.740	1.509	-.839	1.055	1.199	.000	.000	.879
VEL-E	-1.514	-5.289	-4.889	-4.236	-3.253	.000	-3.247	.000	.000	-2.406
VEL-S	.000	-.740	-1.509	.839	-1.055	-1.199	.000	.000	.000	.000
VEL-W	.000	7.971	4.587	3.372	3.062	2.581	2.406	.000	.000	2.749

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.251	.393	.304	.317	1.175	.249	.530	.000	.000	.000
ELEVATION	1403.251	1396.393	1398.304	1400.317	1386.175	1400.249	1388.530	1265.000	1260.000	1258.000
VEL-N	.000	-1.175	-1.222	3.648	.000	.000	.000	.000	.000	.000
VEL-E	-2.581	-3.062	-3.372	-4.587	-7.971	.000	.000	.000	.000	.000
VEL-S	-.879	.000	1.175	1.222	-3.648	.000	.000	.000	.000	.000
VEL-W	.000	3.231	2.986	3.149	5.091	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	7.868	.000	.000	.000	.000	.000	.000	.948
ELEVATION	1260.000	1300.000	207.868	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.948
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-1.512	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-4.741
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	6.248

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	1.063	.250	.538	.351	.712	2.735	.000	.000	.250	.666
ELEVATION	1381.063	1385.250	1380.538	1385.351	1385.712	1385.735	1402.000	1391.000	1384.250	1371.666
VEL-N	4.741	1.529	-1.352	1.711	.741	.408	.000	.000	2.210	1.320
VEL-E	-5.091	-3.149	-2.986	-3.231	.000	-2.749	.000	.000	-1.396	-2.885
VEL-S	-1.529	1.352	-1.711	-.741	-.408	.000	.000	.000	.000	-2.210
VEL-W	1.913	2.363	3.292	2.885	1.396	.000	.000	.000	1.759	.817

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.442	.250	.251	.626	.514	.000	.000	.000	.000	.000
ELEVATION	1370.442	1375.250	1379.251	1363.626	1350.514	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	-1.642	-1.499	2.964	5.196	.000	.000	.000	.000	.000	.000
VEL-E	-3.292	-2.363	-1.913	-6.248	.000	.000	.000	.000	.000	.000
VEL-S	-1.320	1.642	1.499	-2.964	-5.196	.000	.000	.000	.000	.000
VEL-W	.976	4.528	2.335	5.405	5.822	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	22.607	24.447	.253	.596
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	222.607	224.447	1330.253	1335.596
VEL-N	.000	.000	.000	.000	.000	.000	.000	-17.079	.000	3.060
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-5.822
VEL-S	.000	.000	.000	.000	.000	.000	17.079	.000	-3.060	-3.394
VEL-W	.000	.000	.000	.000	.000	.000	.000	-19.744	.000	6.734

NODE	161	162	163	164	165	166	167	168	169	170

DEPTH	.315	.246	.635	.389	.832	.251	.000	.000	.000	.000
ELEVATION	1345.315	1371.246	1345.635	1370.389	1370.832	1376.251	1380.000	1387.000	1380.000	1378.000
VEL-N	3.394	.000	.000	6.232	.693	.000	.000	.000	.000	.000
VEL-E	-5.405	-2.335	-4.528	-.976	-.817	-1.759	.000	.000	.000	.000
VEL-S	.000	.000	-6.232	-.693	.000	.000	.000	.000	.000	.000
VEL-W	5.147	.000	4.848	2.399	.592	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.250	.273	.342	.739	1.115	2.029	.250	23.848	21.895	.000
ELEVATION	1374.250	1370.273	1365.342	1335.740	1321.115	1317.029	1310.250	223.848	221.895	1376.000
VEL-N	.000	1.464	4.999	6.531	4.542	5.952	28.303	-16.283	.000	.000
VEL-E	.000	-.592	-2.206	-4.848	.000	-5.147	-6.734	.000	19.744	.000
VEL-S	.000	.000	-1.464	-4.999	-6.531	-4.542	-5.952	-28.303	16.283	.000
VEL-W	.000	.000	.000	.000	.000	.000	28.496	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	7.967	.000	.000	.000	.000	.037	.250	.000	.000	.000
ELEVATION	207.967	1330.000	1345.000	1360.000	1371.000	1371.037	1371.250	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-28.496	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	1.733	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.101	.000	.000	.000	.000	7.878	7.984	.000	.000
ELEVATION	1369.000	1370.101	1370.000	1371.000	1360.000	1330.000	207.878	207.984	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	1.039	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.733	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-1.039	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	2.479	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.000	.000	.250	.001	.107	.000
ELEVATION	1358.000	1356.000	1357.000	1349.000	1461.000	1450.000	1446.250	1421.001	1436.107	1438.000
VEL-N	.000	.000	.000	.000	.000	.000	.737	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	-1.054	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	1.054	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	7.823	7.962	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	207.823	207.962	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	1.927	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-2.479	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-1.927	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	2.223	-1.927	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	7.823	7.939	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	207.823	207.939	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-2.223	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	1.927	-2.223	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	2.223	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	-1.881	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.154
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.000	1245.000	1566.154
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 2.00 MAX. TIMESTEP(SEC.) = 2.50 MEAN TIMESTEP(SEC.) = 2.25

MODEL TIME(HOURS) = 5.75 (SECONDS) = .207E+05 (TOTAL TIMESTEP NUMBER) = 6.1E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 8092.32

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.691	.289	.250	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.691	1561.289	1558.250	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-2.850	-1.366	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	2.850	1.366	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	9.764	3.656	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.250	.250	.471	.805	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.250	1540.250	1541.471	1542.805	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	-1.224	-1.870	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-3.656	-9.764	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.224	1.870	.000	.000
VEL-W	.000	.000	.000	.000	.000	3.849	4.526	6.984	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.251
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.251
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1.225
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	1.075	.346	.630	.249	.000	.000	.000	.000	.251	.249
ELEVATION	1522.075	1522.346	1520.630	1521.250	1525.000	1525.000	1510.000	1506.000	1502.251	1515.249
VEL-N	1.225	.402	-1.214	.000	.000	.000	.000	.000	-2.542	2.741
VEL-E	-6.984	-4.526	-3.849	.000	.000	.000	.000	.000	.000	-2.936
VEL-S	-.402	1.214	.000	.000	.000	.000	.000	.000	.000	2.542
VEL-W	5.988	3.818	2.936	.000	.000	.000	.000	.000	.000	5.981

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.377	.602	.292	.250	.248	.182	.000	.000	.000	.000
ELEVATION	1505.377	1503.602	1501.292	1499.250	1498.248	1495.182	1359.000	1359.000	1349.000	1349.000
VEL-N	1.304	1.944	1.311	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.818	-5.988	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	-2.741	-1.304	-1.944	-1.311	.000	.000	.000	.000	.000	.000
VEL-W	3.784	7.789	4.626	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.250	.250	.339	.629	.251	.282	.249	.250	.000
ELEVATION	1350.000	1477.250	1476.250	1478.339	1478.629	1486.251	1482.282	1487.249	1478.250	1494.000
VEL-N	.000	.000	.000	1.204	.726	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-4.626	-7.789	-3.784	-5.981	.000	.000	.000
VEL-S	.000	.000	-1.204	-.726	.000	.000	.000	.000	.000	.000

VEL-W	.000	.000	3.427	4.076	7.781	.000	3.753	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.249	.249	.293	.250	.598	.449	.296	.250
ELEVATION	1496.000	1476.000	1473.249	1470.249	1466.293	1466.250	1461.598	1458.449	1455.296	1454.250
VEL-N	.000	.000	.000	.000	.164	.000	2.519	1.726	.807	.000
VEL-E	.000	.000	.000	.000	-3.753	.000	-7.781	-4.076	-3.427	.000
VEL-S	.000	.000	.000	.000	.000	-.164	.000	-2.519	-1.726	-.807
VEL-W	.000	.000	.000	.000	3.703	.000	6.206	4.668	3.714	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.651	1.641	.410	.501	.603
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.651	1432.641	1435.410	1440.501	1445.603
VEL-N	.000	.000	.000	.000	.000	.000	.000	1.725	2.511	2.858
VEL-E	.000	.000	.000	.000	.000	.000	.000	-3.714	-4.668	-6.206
VEL-S	.000	.000	.000	.000	.000	.000	-1.725	-2.511	-2.858	.000
VEL-W	.000	.000	.000	.000	.000	.000	1.110	3.826	5.128	4.477

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.250	.349	.250	.250	.249	.120	.249	.374	.249	.402
ELEVATION	1448.250	1446.349	1449.250	1452.250	1457.249	1442.120	1436.249	1432.374	1432.249	1431.402
VEL-N	.000	.000	.000	.000	.000	.000	.000	.305	.000	2.492
VEL-E	.000	-3.703	.000	.000	.000	.000	.000	-3.483	.000	-4.477
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	-.305	.000
VEL-W	.000	3.483	.000	.000	.000	.000	.000	3.138	.000	4.099

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.470	.799	.273	.000	.000	8.290	.000	.000	.000	.000
ELEVATION	1425.470	1421.799	1432.273	1440.000	1363.000	208.290	1305.000	1270.000	1260.000	1430.000
VEL-N	2.176	-2.556	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-4.501	-3.826	-1.110	.000	.000	2.261	.000	.000	.000	.000
VEL-S	-2.492	-2.176	2.556	.000	.000	.000	.000	.000	.000	.000
VEL-W	4.684	5.076	1.478	.000	.000	1.747	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.247	.520	.693	.251	.250	.250	.455	.250	.012	.250
ELEVATION	1429.247	1411.520	1411.693	1414.251	1413.250	1415.250	1417.454	1423.250	1410.012	1405.250
VEL-N	.000	.000	.699	1.495	-.831	.000	1.159	.000	.000	.878
VEL-E	-1.478	-5.076	-4.684	-4.099	.000	.000	-3.138	.000	.000	-2.339
VEL-S	.000	-.699	-1.495	.831	.000	-1.159	.000	.000	.000	.000
VEL-W	.000	7.666	4.406	3.319	3.076	.000	2.339	.000	.000	2.749

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.250	.373	.286	.295	1.107	.246	.587	.000	.000	.000
ELEVATION	1403.250	1396.373	1398.286	1400.295	1386.107	1400.246	1388.587	1265.000	1260.000	1258.000
VEL-N	.000	-1.129	-1.168	3.484	-3.526	3.202	.000	.000	.000	.000
VEL-E	.000	-3.076	-3.319	-4.406	-7.666	.000	.000	.000	.000	.000
VEL-S	-.878	.000	1.129	1.168	-3.484	3.526	-3.202	.000	.000	.000
VEL-W	.000	3.118	2.868	3.067	4.885	4.627	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	8.335	.000	.000	.000	.000	.000	.000	.897
ELEVATION	1260.000	1300.000	208.335	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.897
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-1.747	.000	.000	.000	.000	.000	.000	-4.627
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-4.556
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	6.010

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	1.002	.250	.510	.333	.684	2.705	.000	.000	.250	.636

ELEVATION	1381.002	1385.250	1380.510	1385.333	1385.684	1385.705	1402.000	1391.000	1384.250	1371.636
VEL-N	4.556	1.541	-1.357	1.654	.709	.388	.000	.000	2.212	1.278
VEL-E	-4.885	-3.067	-2.868	-3.118	.000	-2.749	.000	.000	-1.355	-2.787
VEL-S	-1.541	1.357	-1.654	-.709	-.388	.000	.000	.000	.000	-2.212
VEL-W	1.821	2.357	3.174	2.787	1.355	.000	.000	.000	1.758	.790

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.416	.251	.250	.592	.486	.000	.000	.000	.000	.000
ELEVATION	1370.416	1375.250	1379.250	1363.592	1350.486	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	-1.491	2.958	5.006	.000	.000	.000	.000	.000	.000
VEL-E	-3.174	-2.357	-1.821	-6.010	.000	.000	.000	.000	.000	.000
VEL-S	-1.278	.000	1.491	-2.958	-5.006	.000	.000	.000	.000	.000
VEL-W	.910	.000	2.333	5.204	5.614	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	24.042	25.510	.233	.552
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	224.042	225.510	1330.233	1335.552
VEL-N	.000	.000	.000	.000	.000	.000	.000	-19.708	.000	2.900
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-5.614
VEL-S	.000	.000	.000	.000	.000	.000	19.708	.000	-2.900	-3.271
VEL-W	.000	.000	.000	.000	.000	.000	.000	-22.966	.000	6.387

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.298	.247	.604	.370	.806	.250	.000	.000	.000	.000
ELEVATION	1345.298	1371.247	1345.604	1370.370	1370.806	1376.250	1380.000	1387.000	1380.000	1378.000
VEL-N	3.271	.000	.000	6.024	.670	.000	.000	.000	.000	.000
VEL-E	-5.204	-2.333	.000	-.910	-.790	-1.758	.000	.000	.000	.000
VEL-S	.000	.000	-6.024	-.670	.000	.000	.000	.000	.000	.000
VEL-W	4.960	.000	4.700	2.327	.570	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.249	.262	.330	.707	1.063	1.937	.260	25.044	23.451	.000
ELEVATION	1374.249	1370.262	1365.330	1335.707	1321.063	1316.937	1310.260	225.044	223.451	1376.000
VEL-N	1.064	1.424	4.880	6.342	4.422	5.722	.000	-19.164	.000	.000
VEL-E	.000	-.570	-2.154	-4.700	.000	-4.960	-6.387	.000	22.966	.000
VEL-S	.000	-1.064	-1.424	-4.880	-6.342	-4.422	-5.722	.000	19.164	.000
VEL-W	1.076	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	8.414	.000	.000	.000	.000	.049	.250	.000	.000	.000
ELEVATION	208.414	1330.000	1345.000	1360.000	1371.000	1371.049	1371.250	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-1.076	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	2.063	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.142	.000	.000	.000	.000	8.345	8.439	.000	.000
ELEVATION	1369.000	1370.142	1370.000	1371.000	1360.000	1330.000	208.345	208.439	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	1.528	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-2.063	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-1.528	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	2.753	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.000	.000	.249	.005	.129	.000
ELEVATION	1358.000	1356.000	1357.000	1349.000	1461.000	1450.000	1446.249	1421.005	1436.129	1438.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	8.299	8.414	.000	.000
EVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	208.299	208.414	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	2.326	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-2.753	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-2.326	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	2.563	-2.326	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	8.299	8.394	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	208.299	208.394	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-2.563	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	2.326	-2.563	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	2.563	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	-2.261	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.154
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.000	1245.000	1566.154
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 1.50 MAX. TIMESTEP(SEC.) = 2.50 MEAN TIMESTEP(SEC.) = 2.07

MODEL TIME(HOURS) = 6.00 (SECONDS) = .216E+05 (TOTAL TIMESTEP NUMBER) = 7.0E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 7099.49

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.640	.264	.250	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.640	1561.264	1558.250	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-2.692	-1.316	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	2.692	1.316	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	9.278	3.441	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.250	.250	.432	.747	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.250	1540.250	1541.432	1542.747	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	-1.160	-1.762	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-3.441	-9.278	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.160	1.762	.000	.000
VEL-W	.000	.000	.000	.000	.000	3.854	4.265	6.649	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.249
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.249
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1.128
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	4.630

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	1.004	.316	.578	.249	.000	.000	.000	.000	.250	.248
ELEVATION	1522.004	1522.316	1520.578	1521.250	1525.000	1525.000	1510.000	1506.000	1502.250	1515.249
VEL-N	1.128	.406	-1.150	.000	.000	.000	.000	.000	-2.539	2.743
VEL-E	-6.649	-4.265	-3.854	.000	.000	.000	.000	.000	.000	-2.805
VEL-S	-.406	1.150	.000	.000	.000	.000	.000	.000	.000	2.539
VEL-W	5.712	3.595	2.805	.000	.000	.000	.000	.000	.000	5.976

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.336	.560	.270	.251	.250	.194	.000	.000	.000	.000
ELEVATION	1505.336	1503.560	1501.270	1499.251	1498.250	1495.194	1359.000	1359.000	1349.000	1349.000
VEL-N	1.207	1.839	1.263	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.595	-5.712	-4.630	.000	.000	.000	.000	.000	.000	.000
VEL-S	-2.743	-1.207	-1.839	-1.263	.000	.000	.000	.000	.000	.000
VEL-W	3.614	7.423	4.361	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.248	.249	.309	.585	.252	.265	.248	.249	.000
ELEVATION	1350.000	1477.248	1476.249	1478.309	1478.585	1486.252	1482.266	1487.248	1478.249	1494.000
VEL-N	.000	.000	.000	1.153	.673	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-4.361	-7.423	-3.614	-5.976	.000	.000	.000
VEL-S	.000	.000	-1.153	-.673	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	3.417	3.830	7.426	.000	3.598	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.249	.249	.277	.248	.560	.413	.277	.250
ELEVATION	1496.000	1476.000	1473.249	1470.249	1466.277	1466.248	1461.560	1458.413	1455.277	1454.250
VEL-N	.000	.000	.921	.000	.125	1.882	2.396	1.637	.782	.000
VEL-E	.000	.000	.000	.000	-3.598	.000	-7.426	-3.830	-3.417	.000
VEL-S	.000	.000	.000	-.921	.000	-.125	-1.882	-2.396	-1.637	-.782
VEL-W	.000	.000	2.130	.000	3.564	3.163	5.930	4.417	3.556	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.607	1.598	.382	.465	.570
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.607	1432.598	1435.382	1440.465	1445.570
VEL-N	.000	.000	.000	.000	.000	.000	.000	1.651	2.390	2.739
VEL-E	.000	.000	.000	.000	.000	.000	.000	-3.556	-4.417	-5.930
VEL-S	.000	.000	.000	.000	.000	.000	-1.651	-2.390	-2.739	.000
VEL-W	.000	.000	.000	.000	.000	.000	1.048	3.653	4.883	4.279

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.251	.329	.250	.249	.250	.147	.250	.353	.248	.369
ELEVATION	1448.251	1446.329	1449.250	1452.249	1457.250	1442.147	1436.250	1432.353	1432.248	1431.369
VEL-N	.000	.000	.000	.000	.000	.000	.000	.272	.700	2.353
VEL-E	-3.163	-3.564	.000	.000	-2.130	.000	.000	-3.350	.000	-4.279
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	-.272	-.700
VEL-W	.000	3.350	.000	.000	.000	.000	.000	3.025	3.249	3.957

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.435	.746	.255	.000	.000	8.713	.000	.000	.000	.000
ELEVATION	1425.435	1421.746	1432.255	1440.000	1363.000	208.713	1305.000	1270.000	1260.000	1430.000
VEL-N	2.071	-2.452	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-4.278	-3.653	-1.048	.000	.000	2.576	.000	.000	.000	.000
VEL-S	-2.353	-2.071	2.452	.000	.000	.000	.000	.000	.000	.000
VEL-W	4.448	4.841	1.446	.000	.000	1.951	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.250	.485	.651	.251	.252	.249	.419	.250	.021	.250
ELEVATION	1429.250	1411.485	1411.651	1414.251	1413.252	1415.249	1417.419	1423.250	1410.021	1405.250

VEL-N	.000	.000	.656	1.509	-.831	1.054	1.112	.000	.000	.878
VEL-E	-1.446	-4.841	-4.448	-3.957	-3.249	.000	-3.025	.000	.000	-2.258
VEL-S	.000	-.656	-1.509	.831	-1.054	-1.112	.000	.000	.000	.000
VEL-W	.000	7.316	4.201	3.325	.000	2.579	2.258	.000	.000	2.753

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.251	.349	.270	.270	1.032	.245	.640	.000	.000	.000
ELEVATION	1403.251	1396.349	1398.270	1400.270	1386.032	1400.245	1388.640	1265.000	1260.000	1258.000
VEL-N	.000	-1.087	-1.110	3.294	.000	.000	.000	.000	.000	.000
VEL-E	-2.579	.000	-3.325	-4.201	-7.316	.000	.000	.000	.000	.000
VEL-S	-.878	.000	1.087	1.110	-3.294	.000	.000	.000	.000	.000
VEL-W	.000	2.994	2.757	2.968	4.666	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	8.767	.000	.000	.000	.000	.000	.000	.841
ELEVATION	1260.000	1300.000	208.767	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.841
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-1.951	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-4.358
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	5.761

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.937	.249	.483	.314	.654	2.674	.000	.000	.251	.604
ELEVATION	1380.937	1385.249	1380.483	1385.314	1385.654	1385.674	1402.000	1391.000	1384.251	1371.604
VEL-N	4.358	1.549	-1.357	1.591	.676	.365	.000	.000	.000	1.235
VEL-E	-4.666	-2.968	-2.757	-2.994	.000	-2.753	.000	.000	-1.312	-2.680
VEL-S	-1.549	1.357	-1.591	-.676	-.365	.000	.000	.000	.000	.000
VEL-W	1.723	2.355	3.060	2.680	1.312	.000	.000	.000	.000	.764

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.390	.250	.252	.554	.457	.000	.000	.000	.000	.000
ELEVATION	1370.390	1375.250	1379.252	1363.554	1350.457	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	.000	.000	4.800	.000	.000	.000	.000	.000	.000
VEL-E	-3.060	-2.355	-1.723	-5.761	.000	.000	.000	.000	.000	.000
VEL-S	-1.235	.000	.000	.000	-4.800	.000	.000	.000	.000	.000
VEL-W	.839	.000	.000	4.983	5.389	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	25.168	26.877	.249	.507
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	225.168	226.877	1330.249	1335.507
VEL-N	.000	.000	.000	.000	.000	.000	.000	-22.073	.000	2.811
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-5.389
VEL-S	.000	.000	.000	.000	.000	.000	22.073	.000	-2.811	-3.133
VEL-W	.000	.000	.000	.000	.000	.000	.000	-25.626	.000	6.119

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.279	.248	.571	.350	.779	.249	.000	.000	.000	.000
ELEVATION	1345.279	1371.249	1345.572	1370.350	1370.779	1376.249	1380.000	1387.000	1380.000	1378.000
VEL-N	3.133	.000	.000	5.812	.646	1.090	.000	.000	.000	.000
VEL-E	-4.983	.000	.000	-.839	-.764	.000	.000	.000	.000	.000
VEL-S	.000	.000	-5.812	-.646	-1.090	.000	.000	.000	.000	.000
VEL-W	4.751	.000	4.530	2.255	.548	.753	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.250	.251	.318	.674	1.010	1.840	.255	26.330	24.460	.000
ELEVATION	1374.250	1370.251	1365.318	1335.674	1321.010	1316.840	1310.255	226.330	224.460	1376.000
VEL-N	.000	1.384	4.763	6.147	4.295	5.508	.000	-21.420	.000	.000
VEL-E	-.753	-.548	-2.101	-4.530	.000	-4.751	-6.119	.000	25.626	.000
VEL-S	.000	.000	-1.384	-4.763	-6.147	-4.295	-5.508	.000	21.420	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	8.835	.000	.000	.000	.000	.060	.250	.000	.000	.000
ELEVATION	208.835	1330.000	1345.000	1360.000	1371.000	1371.060	1371.250	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	2.259	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.182	.000	.000	.000	.000	8.763	8.868	.000	.000
ELEVATION	1369.000	1370.182	1370.000	1371.000	1360.000	1330.000	208.763	208.868	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	1.849	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-2.259	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-1.849	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	3.025	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.000	.000	.249	.008	.148	.000
ELEVATION	1358.000	1356.000	1357.000	1349.000	1461.000	1450.000	1446.249	1421.008	1436.148	1438.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	8.720	8.852	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	208.720	208.852	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	2.659	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-3.025	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-2.659	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	2.861	-2.659	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	8.720	8.834	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	208.720	208.834	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-2.861	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	2.659	-2.861	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	2.861	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	-2.576	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.154
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.000	1245.000	1566.154
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 2.00 MAX. TIMESTEP(SEC.) = 2.00 MEAN TIMESTEP(SEC.) = 2.00

MODEL TIME(HOURS) = 6.25 (SECONDS) = .225E+05 (TOTAL TIMESTEP NUMBER) = 8.0E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 6563.11

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.610	.251	.250	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.610	1561.251	1558.250	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-2.600	-1.293	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	2.600	1.293	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	8.983	3.328	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.250	.250	.403	.711	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.250	1540.250	1541.403	1542.711	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	-1.112	-1.692	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-3.328	-8.983	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.112	1.692	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	4.057	6.435	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.250
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1.065
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.957	.292	.528	.249	.000	.000	.000	.000	.249	.249
ELEVATION	1521.957	1522.292	1520.528	1521.250	1525.000	1525.000	1510.000	1506.000	1502.249	1515.249
VEL-N	1.065	.398	-1.097	.000	.000	.000	.000	.000	.000	.000
VEL-E	-6.435	-4.057	.000	.000	.000	.000	.000	.000	.000	-2.674
VEL-S	-.398	1.097	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	5.514	3.406	2.674	.000	.000	.000	.000	.000	2.400	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.298	.528	.251	.249	.250	.206	.000	.000	.000	.000
ELEVATION	1505.298	1503.528	1501.251	1499.249	1498.250	1495.206	1359.000	1359.000	1349.000	1349.000
VEL-N	1.117	1.760	1.228	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.406	-5.514	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	-1.117	-1.760	-1.228	.000	.000	.000	.000	.000	.000
VEL-W	3.455	7.138	4.174	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.249	.250	.283	.552	.250	.252	.249	.250	.000
ELEVATION	1350.000	1477.249	1476.250	1478.283	1478.552	1486.250	1482.252	1487.249	1478.250	1494.000
VEL-N	.000	.000	.000	1.111	.633	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-4.174	-7.138	-3.455	.000	-2.400	.000	.000
VEL-S	.000	.000	-1.111	-.633	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	3.425	3.617	7.133	.000	3.498	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.249	.249	.259	.249	.526	.381	.258	.250
ELEVATION	1496.000	1476.000	1473.249	1470.249	1466.259	1466.249	1461.526	1458.381	1455.258	1454.250
VEL-N	.000	.000	.921	.000	.000	1.891	2.287	1.551	.756	.000
VEL-E	.000	.000	.000	.000	-3.498	.000	-7.133	-3.617	-3.425	.000
VEL-S	.000	.000	.000	-.921	.000	.000	-1.891	-2.287	-1.551	-.756
VEL-W	.000	.000	2.130	.000	3.413	3.167	5.693	4.183	3.395	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.563	1.555	.355	.432	.542
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.563	1432.555	1435.355	1440.432	1445.542
VEL-N	.000	.000	.000	.000	.000	.000	.000	1.576	2.274	2.630

VEL-E	.000	.000	.000	.000	.000	.000	.000	-3.395	-4.183	-5.693
VEL-S	.000	.000	.000	.000	.000	.000	-1.576	-2.274	-2.630	.000
VEL-W	.000	.000	.000	.000	.000	.000	.967	3.482	4.649	4.095

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.251	.309	.250	.250	.251	.172	.250	.333	.249	.337
ELEVATION	1448.251	1446.309	1449.250	1452.250	1457.250	1442.172	1436.250	1432.333	1432.249	1431.337
VEL-N	.000	.000	1.068	.000	.000	.000	.000	.238	.712	2.218
VEL-E	-3.167	-3.413	.000	.000	-2.130	.000	-1.920	-3.207	.000	-4.095
VEL-S	.000	-1.068	.000	.000	.000	.000	.000	.000	-.238	-.712
VEL-W	.000	3.207	1.920	.000	.000	.000	.000	2.909	3.246	3.811

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.400	.691	.252	.000	.000	9.127	.000	.000	.000	.000
ELEVATION	1425.400	1421.691	1432.252	1440.000	1363.000	209.127	1305.000	1270.000	1260.000	1430.000
VEL-N	1.965	-2.434	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-4.060	-3.482	-.967	.000	.000	2.771	.000	.000	.000	.000
VEL-S	-2.218	-1.965	2.434	.000	.000	.000	.000	.000	.000	.000
VEL-W	4.210	4.594	1.437	.000	.000	2.062	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.250	.448	.606	.252	.251	.249	.384	.249	.030	.250
ELEVATION	1429.250	1411.448	1411.606	1414.251	1413.251	1415.249	1417.384	1423.249	1410.030	1405.250
VEL-N	.000	.000	.610	.000	.000	1.054	1.064	.000	.000	.879
VEL-E	-1.437	-4.594	-4.210	-3.811	-3.246	.000	-2.909	.000	.000	-2.175
VEL-S	.000	-.610	.000	.000	-1.054	-1.064	.000	.000	.000	.000
VEL-W	.000	6.952	4.001	.000	.000	2.582	2.175	.000	.000	2.754

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.251	.326	.252	.251	.953	.249	.687	.000	.000	.000
ELEVATION	1403.251	1396.326	1398.252	1400.251	1385.953	1400.249	1388.687	1265.000	1260.000	1258.000
VEL-N	.000	-1.044	-1.056	3.140	.000	.000	.000	.000	.000	.000
VEL-E	-2.582	.000	.000	-4.001	-6.952	.000	.000	.000	.000	.000
VEL-S	-.879	.000	1.044	1.056	-3.140	.000	.000	.000	.000	.000
VEL-W	.000	2.864	2.644	2.894	4.421	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	9.159	.000	.000	.000	.000	.000	.000	.779
ELEVATION	1260.000	1300.000	209.159	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.779
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-2.062	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-4.135
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	5.476

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.866	.250	.453	.295	.622	2.640	.000	.000	.250	.572
ELEVATION	1380.866	1385.250	1380.453	1385.295	1385.622	1385.640	1402.000	1391.000	1384.250	1371.572
VEL-N	4.135	1.567	-1.366	1.525	.640	.345	.000	.000	.000	1.188
VEL-E	-4.421	-2.894	-2.644	-2.864	.000	-2.754	.000	.000	-1.266	-2.568
VEL-S	-1.567	1.366	-1.525	-.640	-.345	.000	.000	.000	.000	.000
VEL-W	1.618	2.362	2.933	2.568	1.266	.000	.000	.000	.000	.735

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.363	.251	.250	.516	.426	.000	.000	.000	.000	.000
ELEVATION	1370.363	1375.251	1379.250	1363.516	1350.426	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	.000	.000	4.573	.000	.000	.000	.000	.000	.000
VEL-E	-2.933	-2.362	-1.618	-5.476	.000	.000	.000	.000	.000	.000
VEL-S	-1.188	.000	.000	.000	-4.573	.000	.000	.000	.000	.000
VEL-W	.763	.000	.000	4.743	5.142	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	26.481	27.492	.235	.459
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	226.481	227.492	1330.235	1335.459
VEL-N	.000	.000	.000	.000	.000	.000	.000	-23.096	.000	2.648
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-5.142
VEL-S	.000	.000	.000	.000	.000	.000	23.096	.000	-2.648	-2.987
VEL-W	.000	.000	.000	.000	.000	.000	.000	-27.149	.000	5.848

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.259	.249	.538	.330	.751	.250	.000	.000	.000	.000
ELEVATION	1345.259	1371.249	1345.538	1370.330	1370.750	1376.250	1380.000	1387.000	1380.000	1378.000
VEL-N	2.987	.000	.000	5.589	.622	1.094	.000	.000	.000	.000
VEL-E	-4.743	.000	.000	-.763	-.735	.000	.000	.000	.000	.000
VEL-S	.000	.000	-5.589	-.622	-1.094	.000	.000	.000	.000	.000
VEL-W	4.530	.000	4.349	2.175	.523	.753	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.250	.250	.303	.639	.955	1.740	.250	27.183	26.052	.000
ELEVATION	1374.250	1370.250	1365.303	1335.639	1320.955	1316.740	1310.250	227.183	226.052	1376.000
VEL-N	.000	1.384	4.620	5.936	4.161	5.288	.000	-23.059	.000	.000
VEL-E	-.753	-.523	-2.044	-4.349	.000	-4.530	-5.848	.000	27.149	.000
VEL-S	.000	.000	-1.384	-4.620	-5.936	-4.161	-5.288	.000	23.059	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	9.214	.000	.000	.000	.000	.068	.250	.000	.000	.000
ELEVATION	209.214	1330.000	1345.000	1360.000	1371.000	1371.068	1371.250	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	2.249	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.220	.000	.000	.000	.000	9.163	9.231	.000	.000
ELEVATION	1369.000	1370.220	1370.000	1371.000	1360.000	1330.000	209.163	209.231	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	2.087	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-2.249	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-2.087	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	3.106	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.000	.000	.250	.012	.164	.000
ELEVATION	1358.000	1356.000	1357.000	1349.000	1461.000	1450.000	1446.250	1421.012	1436.164	1438.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	9.133	9.214	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	209.133	209.214	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	2.867	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-3.106	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-2.867	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	3.013	-2.867	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	9.133	9.200	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	209.133	209.200	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-3.013	.000	.000

VEL-E	.000	.000	.000	.000	.000	.000	2.867	-3.013	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	3.013	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	-2.771	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.154
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.000	1245.000	1566.154
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 1.50 MAX. TIMESTEP(SEC.) = 2.00 MEAN TIMESTEP(SEC.) = 1.80

MODEL TIME(HOURS) = 6.50 (SECONDS) = .234E+05 (TOTAL TIMESTEP NUMBER) = 9.1E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 6025.52

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.578	.252	.251	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.578	1561.252	1558.250	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-2.529	-1.295	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	2.529	1.295	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	8.670	3.340	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.250	.250	.383	.675	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.250	1540.250	1541.383	1542.675	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	-1.079	-1.624	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-3.340	-8.670	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.079	1.624	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	3.921	6.216	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.004	.000	.000	.000	.000	.000	.251
ELEVATION	1360.000	1369.000	1368.000	1365.004	1365.000	1363.000	1361.000	1358.000	1523.000	1521.251
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1.006
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.913	.277	.494	.249	.000	.000	.000	.000	.250	.251
ELEVATION	1521.913	1522.277	1520.494	1521.250	1525.000	1525.000	1510.000	1506.000	1502.250	1515.251
VEL-N	1.006	.401	-1.066	.000	.000	.000	.000	.000	.000	.000
VEL-E	-6.216	-3.921	.000	.000	.000	.000	.000	.000	.000	-2.589
VEL-S	-.401	1.066	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	5.333	3.276	2.589	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.272	.501	.251	.250	.248	.217	.000	.000	.000	.000
ELEVATION	1505.272	1503.500	1501.251	1499.250	1498.248	1495.217	1359.000	1359.000	1349.000	1349.000
VEL-N	1.052	1.708	1.229	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.276	-5.333	.000	.000	.000	.000	.000	.000	.000	.000

VEL-S	.000	-1.052	-1.708	-1.229	.000	.000	.000	.000	.000	.000
VEL-W	3.351	6.885	4.182	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.248	.250	.266	.524	.248	.250	.249	.250	.000
ELEVATION	1350.000	1477.248	1476.250	1478.266	1478.524	1486.248	1482.250	1487.249	1478.250	1494.000
VEL-N	.000	.000	.000	1.082	.596	2.411	-1.734	.000	.000	.000
VEL-E	.000	.000	.000	-4.182	-6.885	-3.351	.000	.000	.000	.000
VEL-S	.000	.000	-1.082	-.596	-2.411	1.734	.000	.000	.000	.000
VEL-W	.000	.000	3.426	3.463	6.888	3.335	3.478	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.250	.250	.251	.250	.500	.358	.252	.249
ELEVATION	1496.000	1476.000	1473.250	1470.250	1466.251	1466.250	1461.500	1458.358	1455.252	1454.249
VEL-N	.000	.000	.000	.000	.000	1.896	2.203	1.499	.746	.000
VEL-E	.000	.000	.000	.000	-3.478	-3.335	-6.888	-3.463	-3.426	.000
VEL-S	.000	.000	.000	.000	.000	.000	-1.896	-2.203	-1.499	-.746
VEL-W	.000	.000	.000	.000	3.343	3.163	5.502	4.013	3.336	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.526	1.518	.334	.409	.521
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.526	1432.518	1435.334	1440.409	1445.521
VEL-N	.000	.000	.000	.000	.000	.000	.000	1.519	2.188	2.549
VEL-E	.000	.000	.000	.000	.000	.000	.000	-3.336	-4.013	-5.502
VEL-S	.000	.000	.000	.000	.000	.000	-1.519	-2.188	-2.549	.000
VEL-W	.000	.000	.000	.000	.000	.000	.898	3.349	4.484	3.956

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.250	.293	.249	.250	.249	.195	.250	.316	.248	.314
ELEVATION	1448.250	1446.293	1449.249	1452.250	1457.249	1442.195	1436.250	1432.316	1432.248	1431.314
VEL-N	.000	.000	.000	.000	1.191	.000	.000	.210	.000	2.116
VEL-E	-3.163	-3.343	.000	.000	.000	.000	.000	-3.099	.000	-3.956
VEL-S	.000	.000	.000	-1.191	.000	.000	.000	.000	-.210	.000
VEL-W	.000	3.099	.000	.000	1.545	.000	.000	2.809	.000	3.709

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.375	.651	.251	.000	.000	9.554	.000	.000	.000	.000
ELEVATION	1425.375	1421.651	1432.251	1440.000	1363.000	209.554	1305.000	1270.000	1260.000	1430.000
VEL-N	1.885	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.902	-3.349	-.898	.000	.000	-2.414	.000	.000	.000	.000
VEL-S	-2.116	-1.885	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	4.035	4.406	.000	.000	.000	-1.619	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.246	.420	.562	.252	.250	.250	.351	.249	.038	.251
ELEVATION	1429.246	1411.420	1411.562	1414.252	1413.250	1415.250	1417.351	1423.249	1410.038	1405.251
VEL-N	.000	-3.940	.554	.000	.000	.000	1.019	.000	.000	.000
VEL-E	.000	-4.406	-4.035	-3.709	.000	.000	-2.809	.000	.000	-2.095
VEL-S	3.940	-.554	.000	.000	.000	-1.019	.000	.000	.000	.000
VEL-W	4.999	6.643	3.854	.000	3.078	.000	2.095	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.248	.309	.250	.250	.894	.249	.731	.000	.000	.000
ELEVATION	1403.248	1396.309	1398.250	1400.250	1385.894	1400.249	1388.731	1265.000	1260.000	1258.000
VEL-N	1.965	-1.044	-1.055	3.141	.000	.000	.000	.000	.000	.000
VEL-E	.000	-3.078	.000	-3.854	-6.643	-4.999	.000	.000	.000	.000
VEL-S	.000	-1.965	1.044	1.055	-3.141	.000	.000	.000	.000	.000
VEL-W	3.134	2.744	2.634	2.890	4.228	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130

DEPTH	.000	.000	9.483	.000	.000	.000	.000	.000	.000	.729
ELEVATION	1260.000	1300.000	209.483	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.729
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	1.619	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-3.948
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	5.217

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.808	.249	.426	.276	.592	2.606	.000	.000	.249	.541
ELEVATION	1380.808	1385.249	1380.426	1385.276	1385.592	1385.606	1402.000	1391.000	1384.249	1371.541
VEL-N	3.948	1.573	-1.366	1.461	.604	.330	.000	.000	2.216	1.140
VEL-E	-4.228	-2.890	-2.634	-2.744	-3.134	.000	.000	.000	-1.221	-2.458
VEL-S	-1.573	1.366	-1.461	-.604	-.330	.000	.000	.000	.000	-2.216
VEL-W	1.534	2.360	2.815	2.458	1.221	.000	.000	.000	1.758	.705

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.338	.248	.251	.476	.393	.000	.000	.000	.000	.000
ELEVATION	1370.338	1375.248	1379.251	1363.476	1350.393	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	-1.654	.000	.000	4.335	.000	.000	.000	.000	.000	.000
VEL-E	-2.815	-2.360	-1.534	-5.217	.000	.000	.000	.000	.000	.000
VEL-S	-1.140	1.654	.000	.000	-4.335	.000	.000	.000	.000	.000
VEL-W	.693	4.521	.000	4.552	4.879	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	28.456	26.300	.250	.407
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	228.456	226.300	1330.250	1335.406
VEL-N	.000	.000	.000	.000	.000	.000	.000	18.459	.000	2.535
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-4.879
VEL-S	.000	.000	.000	.000	.000	.000	-18.459	.000	-2.535	-2.951
VEL-W	.000	.000	.000	.000	.000	.000	.000	22.011	.000	5.597

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.253	.244	.508	.310	.721	.250	.000	.000	.000	.000
ELEVATION	1345.253	1371.244	1345.508	1370.310	1370.721	1376.250	1380.000	1387.000	1380.000	1378.000
VEL-N	2.951	.000	.000	5.356	.596	1.096	.000	.000	.000	.000
VEL-E	-4.552	.000	-4.521	-.693	-.705	-1.758	.000	.000	.000	.000
VEL-S	.000	.000	-5.356	-.596	-1.096	.000	.000	.000	.000	.000
VEL-W	4.473	.000	4.175	2.098	.498	.753	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.250	.250	.291	.604	.902	1.633	.262	27.135	29.218	.000
ELEVATION	1374.250	1370.250	1365.291	1335.604	1320.902	1316.633	1310.262	227.135	229.218	1376.000
VEL-N	.000	.000	4.497	5.721	4.029	5.067	.000	19.428	.000	.000
VEL-E	-.753	-.498	-1.986	-4.175	.000	-4.473	-5.597	.000	-22.011	.000
VEL-S	.000	.000	.000	-4.497	-5.721	-4.029	-5.067	.000	-19.428	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	9.583	.000	.000	.000	.000	.076	.250	.000	.000	.000
ELEVATION	209.583	1330.000	1345.000	1360.000	1371.000	1371.076	1371.250	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	-1.133	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.002	.250	.001	.000	.000	.000	9.592	9.515	.000	.000
ELEVATION	1369.002	1370.250	1370.001	1371.000	1360.000	1330.000	209.592	209.515	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-2.237	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	1.133	.000	.000

VEL-S	.000	.000	.000	.000	.000	.000	.000	2.237	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-2.100	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.000	.000	.250	.015	.180	.000
ELEVATION	1358.000	1356.000	1357.000	1349.000	1461.000	1450.000	1446.250	1421.015	1436.180	1438.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-1.545	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	9.574	9.434	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	209.574	209.434	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	-2.532	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	2.100	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	2.532	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-2.351	2.532	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	9.574	9.423	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	209.574	209.423	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	2.351	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-2.532	2.351	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-2.351	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	2.414	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.154
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.000	1245.000	1566.154
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 1.50 MAX. TIMESTEP(SEC.) = 2.00 MEAN TIMESTEP(SEC.) = 1.75

MODEL TIME(HOURS) = 6.75 (SECONDS) = .243E+05 (TOTAL TIMESTEP NUMBER) = 1.0E+04

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 5489.13

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.546	.251	.249	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.546	1561.251	1558.249	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-2.451	-1.292	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	2.451	1.292	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	8.341	3.336	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.250	.250	.360	.638	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.250	1540.250	1541.360	1542.638	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	-1.043	-1.553	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-3.336	-8.341	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.043	1.553	.000	.000

VEL-W	.000	.000	.000	.000	.000	3.871	3.786	5.987	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.023	.000	.000	.000	.000	.000	.251
ELEVATION	1360.000	1369.000	1368.000	1365.023	1365.000	1363.000	1361.000	1358.000	1523.000	1521.251
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.946
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.868	.267	.467	.249	.000	.000	.000	.000	.251	.247
ELEVATION	1521.868	1522.267	1520.467	1521.250	1525.000	1525.000	1510.000	1506.000	1502.251	1515.247
VEL-N	.946	.410	-1.045	.000	.000	.000	.000	.000	-2.538	2.748
VEL-E	-5.987	-3.786	-3.871	.000	.000	.000	.000	.000	.000	-2.520
VEL-S	-.410	1.045	.000	.000	.000	.000	.000	.000	.000	2.538
VEL-W	5.145	3.147	2.520	.000	.000	.000	.000	.000	.000	5.958

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.251	.472	.251	.249	.249	.227	.000	.000	.000	.000
ELEVATION	1505.251	1503.472	1501.251	1499.249	1498.249	1495.228	1359.000	1359.000	1349.000	1349.000
VEL-N	.996	1.654	1.229	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.147	-5.145	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	-2.748	-.996	-1.654	-1.229	.000	.000	.000	.000	.000	.000
VEL-W	3.252	6.623	4.179	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.250	.250	.252	.493	.251	.251	.249	.250	.000
ELEVATION	1350.000	1477.250	1476.250	1478.252	1478.493	1486.251	1482.251	1487.249	1478.250	1494.000
VEL-N	.000	.000	.000	1.058	.557	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-4.179	-6.623	-3.252	-5.958	.000	.000	.000
VEL-S	.000	.000	-1.058	-.557	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	3.425	3.340	6.640	.000	3.467	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.249	.249	.251	.249	.474	.334	.251	.250
ELEVATION	1496.000	1476.000	1473.249	1470.249	1466.251	1466.249	1461.474	1458.334	1455.251	1454.250
VEL-N	.000	.000	.000	.000	.000	.000	2.118	1.454	.746	.000
VEL-E	.000	.000	.000	.000	-3.467	.000	-6.640	-3.340	-3.425	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-2.118	-1.454	-.746
VEL-W	.000	.000	.000	.000	.000	.000	5.314	3.835	3.334	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.495	1.486	.318	.386	.499
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.495	1432.486	1435.318	1440.386	1445.499
VEL-N	.000	.000	.000	.000	.000	.000	.000	1.474	2.109	2.467
VEL-E	.000	.000	.000	.000	.000	.000	.000	-3.334	-3.835	-5.314
VEL-S	.000	.000	.000	.000	.000	.000	-1.474	-2.109	-2.467	.000
VEL-W	.000	.000	.000	.000	.000	.000	.831	3.242	4.313	3.814

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.250	.279	.250	.249	.250	.218	.249	.302	.248	.292
ELEVATION	1448.250	1446.279	1449.250	1452.249	1457.250	1442.218	1436.249	1432.302	1432.248	1431.292
VEL-N	.000	.000	.000	.000	.000	.000	.000	.182	.730	2.013
VEL-E	.000	.000	.000	.000	.000	.000	.000	-3.010	.000	-3.814
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	-.182	-.730
VEL-W	.000	3.010	.000	.000	.000	.000	.000	2.730	3.247	3.606

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.351	.620	.250	.000	.000	9.879	.000	.000	.000	.000

ELEVATION	1425.351	1421.620	1432.250	1440.000	1363.000	209.879	1305.000	1270.000	1260.000	1430.000
VEL-N	1.808	-2.436	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.745	-3.242	-.831	.000	.000	-2.589	.000	.000	.000	.000
VEL-S	-2.013	-1.808	2.436	.000	.000	.000	.000	.000	.000	.000
VEL-W	3.867	4.251	1.433	.000	.000	-1.758	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.249	.396	.522	.252	.251	.249	.325	.250	.046	.250
ELEVATION	1429.249	1411.396	1411.522	1414.252	1413.251	1415.249	1417.325	1423.250	1410.046	1405.250
VEL-N	.000	.000	.499	.000	.000	1.054	.983	.000	.000	.878
VEL-E	-1.433	-4.251	-3.867	-3.606	-3.247	.000	-2.730	.000	.000	-2.033
VEL-S	.000	-.499	.000	.000	-1.054	-.983	.000	.000	.000	.000
VEL-W	.000	6.401	3.722	.000	.000	2.578	2.033	.000	.000	2.761

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.250	.294	.250	.250	.847	.250	.770	.000	.000	.000
ELEVATION	1403.250	1396.294	1398.250	1400.250	1385.847	1400.250	1388.770	1265.000	1260.000	1258.000
VEL-N	.000	-1.048	-1.057	3.153	.000	.000	.000	.000	.000	.000
VEL-E	-2.578	.000	.000	-3.722	-6.401	.000	.000	.000	.000	.000
VEL-S	-.878	.000	1.048	1.057	-3.153	.000	.000	.000	.000	.000
VEL-W	.000	2.657	2.636	2.889	4.069	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	9.800	.000	.000	.000	.000	.000	.000	.692
ELEVATION	1260.000	1300.000	209.800	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.692
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	1.758	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-3.796
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	5.016

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.759	.251	.405	.261	.562	2.576	.000	.000	.251	.513
ELEVATION	1380.759	1385.251	1380.405	1385.261	1385.562	1385.576	1402.000	1391.000	1384.251	1371.513
VEL-N	3.796	.000	.000	1.410	.571	.291	.000	.000	.000	1.099
VEL-E	-4.069	-2.889	-2.636	-2.657	.000	-2.761	.000	.000	-1.181	-2.372
VEL-S	.000	.000	-1.410	-.571	-.291	.000	.000	.000	.000	.000
VEL-W	1.463	.000	2.723	2.372	1.181	.000	.000	.000	.000	.682

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.318	.248	.251	.444	.366	.000	.000	.000	.000	.000
ELEVATION	1370.318	1375.248	1379.251	1363.444	1350.366	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	-1.662	.000	.000	4.137	.000	.000	.000	.000	.000	.000
VEL-E	-2.723	.000	-1.463	-5.016	.000	.000	.000	.000	.000	.000
VEL-S	-1.099	1.662	.000	.000	-4.137	.000	.000	.000	.000	.000
VEL-W	.638	4.538	.000	4.405	4.655	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	29.417	27.022	.235	.367
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	229.417	227.022	1330.234	1335.367
VEL-N	.000	.000	.000	.000	.000	.000	.000	19.815	.000	2.384
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-4.655
VEL-S	.000	.000	.000	.000	.000	.000	-19.815	.000	-2.384	-2.936
VEL-W	.000	.000	.000	.000	.000	.000	.000	23.673	.000	5.328

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.252	.242	.481	.294	.693	.250	.000	.000	.000	.000
ELEVATION	1345.252	1371.242	1345.481	1370.294	1370.693	1376.250	1380.000	1387.000	1380.000	1378.000
VEL-N	2.936	4.754	-4.733	5.168	.571	.000	.000	.000	.000	.000
VEL-E	-4.405	.000	-4.538	-.638	-.682	.000	.000	.000	.000	.000
VEL-S	-4.754	4.733	-5.168	-.571	.000	.000	.000	.000	.000	.000

VEL-W	4.447	6.618	4.011	2.030	.474	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.250	.250	.279	.574	.855	1.547	.254	27.950	30.259	.000
ELEVATION	1374.250	1370.250	1365.279	1335.574	1320.855	1316.547	1310.254	227.950	230.259	1376.000
VEL-N	.000	1.386	4.369	5.533	3.894	4.868	.000	20.921	.000	.000
VEL-E	.000	-.474	-1.931	-4.011	-6.618	-4.447	-5.328	.000	-23.673	.000
VEL-S	.000	.000	-1.386	-4.369	-5.533	-3.894	-4.868	.000	-20.921	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	9.900	.000	.000	.000	.000	.083	.250	.000	.000	.000
ELEVATION	209.900	1330.000	1345.000	1360.000	1371.000	1371.083	1371.250	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.233	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	-.233	.000	.000	.000	.000
VEL-W	-1.303	.000	.000	.000	.000	.000	.746	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.012	.250	.005	.000	.000	.000	9.915	9.825	.000	.000
ELEVATION	1369.012	1370.250	1370.005	1371.000	1360.000	1330.000	209.915	209.825	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-2.368	.000	.000	.000
VEL-E	.000	-.746	.000	.000	.000	.000	.000	1.303	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	2.368	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-2.324	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.000	.000	.249	.018	.194	.000
ELEVATION	1358.000	1356.000	1357.000	1349.000	1461.000	1450.000	1446.249	1421.017	1436.194	1438.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	9.899	9.742	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	209.899	209.742	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	-2.713	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	2.324	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	2.713	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-2.552	2.713	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	9.899	9.732	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	209.899	209.732	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	2.552	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-2.713	2.552	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-2.552	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	2.589	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.154
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.000	1245.000	1566.154
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 1.50 MAX. TIMESTEP(SEC.) = 2.00 MEAN TIMESTEP(SEC.) = 1.75

MODEL TIME(HOURS) = 7.00 (SECONDS) = .252E+05 (TOTAL TIMESTEP NUMBER) = 1.1E+04

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 4952.73

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.511	.250	.250	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.511	1561.250	1558.250	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-2.371	-1.292	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	2.371	1.292	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	7.991	3.336	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.250	.250	.341	.599	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.250	1540.250	1541.341	1542.599	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	-1.012	-1.481	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-3.336	-7.991	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.012	1.481	.000	.000
VEL-W	.000	.000	.000	.000	.000	3.872	3.640	5.741	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.042	.000	.000	.000	.000	.000	.250
ELEVATION	1360.000	1369.000	1368.000	1365.042	1365.000	1363.000	1361.000	1358.000	1523.000	1521.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.881
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.819	.250	.435	.249	.000	.000	.000	.000	.249	.249
ELEVATION	1521.819	1522.250	1520.435	1521.250	1525.000	1525.000	1510.000	1506.000	1502.250	1515.249
VEL-N	.881	.408	-1.005	.000	.000	.000	.000	.000	.000	.000
VEL-E	-5.741	-3.640	-3.872	.000	.000	.000	.000	.000	.000	-2.427
VEL-S	-.408	1.005	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	4.941	3.074	2.427	.000	.000	.000	.000	.000	2.402	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.251	.444	.250	.249	.248	.238	.000	.000	.000	.000
ELEVATION	1505.251	1503.444	1501.250	1499.249	1498.248	1495.238	1359.000	1359.000	1349.000	1349.000
VEL-N	1.008	1.600	1.228	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.074	-4.941	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	-1.008	-1.600	-1.228	.000	.000	.000	.000	.000	.000
VEL-W	3.258	6.353	4.169	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.248	.250	.252	.463	.252	.251	.249	.250	.000
ELEVATION	1350.000	1477.248	1476.250	1478.252	1478.463	1486.252	1482.251	1487.249	1478.250	1494.000
VEL-N	.000	.000	.000	.000	.508	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-4.169	-6.353	-3.258	.000	-2.402	.000	.000
VEL-S	.000	.000	.000	-.508	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	6.375	.000	3.485	.000	1.388	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.250	.249	.252	.249	.447	.311	.251	.250
ELEVATION	1496.000	1476.000	1473.250	1470.249	1466.252	1466.249	1461.447	1458.311	1455.251	1454.250

VEL-N	.000	.000	.000	1.244	.000	.000	2.030	1.414	.748	.000
VEL-E	.000	.000	-1.388	.000	-3.485	.000	-6.375	.000	.000	.000
VEL-S	.000	.000	.000	.000	-1.244	.000	.000	-2.030	-1.414	-.748
VEL-W	.000	.000	.000	2.441	3.343	.000	5.110	3.663	3.350	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.468	1.460	.301	.361	.476
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.468	1432.460	1435.301	1440.361	1445.476
VEL-N	.000	.000	.000	.000	.000	.000	.000	1.422	2.023	2.380
VEL-E	.000	.000	.000	.000	.000	.000	.000	-3.350	-3.663	-5.110
VEL-S	.000	.000	.000	.000	.000	.000	-1.422	-2.023	-2.380	.000
VEL-W	.000	.000	.000	.000	.000	.000	.778	3.125	4.130	3.667

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.248	.264	.251	.249	.250	.239	.250	.288	.250	.268
ELEVATION	1448.248	1446.264	1449.251	1452.249	1457.250	1442.239	1436.250	1432.288	1432.250	1431.268
VEL-N	.000	.000	.000	.000	.000	.000	.000	.153	.000	1.906
VEL-E	.000	-3.343	-2.441	.000	.000	.000	.000	-2.892	.000	-3.667
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	-.153	.000
VEL-W	.000	2.892	.000	.000	.000	.000	.000	2.644	.000	3.506

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.327	.586	.251	.000	.000	10.176	.000	.000	.000	.000
ELEVATION	1425.327	1421.586	1432.251	1440.000	1363.000	210.176	1305.000	1270.000	1260.000	1430.000
VEL-N	1.725	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.578	-3.125	-.778	.000	.000	-2.758	.000	.000	.000	.000
VEL-S	-1.906	-1.725	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	3.687	4.086	.000	.000	.000	-1.889	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.249	.371	.481	.250	.249	.250	.300	.250	.053	.250
ELEVATION	1429.249	1411.371	1411.481	1414.250	1413.249	1415.250	1417.300	1423.250	1410.053	1405.250
VEL-N	.000	.000	.441	1.555	-.830	.000	.948	.000	.000	.879
VEL-E	.000	-4.086	-3.687	-3.506	.000	.000	-2.644	.000	.000	-1.972
VEL-S	.000	-.441	-1.555	.830	.000	-.948	.000	.000	.000	.000
VEL-W	.000	6.133	3.578	3.316	3.074	.000	1.972	.000	.000	2.762

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.250	.280	.252	.249	.802	.246	.806	.000	.000	.000
ELEVATION	1403.250	1396.280	1398.252	1400.249	1385.802	1400.246	1388.806	1265.000	1260.000	1258.000
VEL-N	.000	.000	-1.054	3.151	.000	.000	.000	.000	.000	.000
VEL-E	.000	-3.074	-3.316	-3.578	-6.133	.000	.000	.000	.000	.000
VEL-S	-.879	.000	.000	1.054	-3.151	.000	.000	.000	.000	.000
VEL-W	.000	2.578	.000	2.886	3.912	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	10.090	.000	.000	.000	.000	.000	.000	.662
ELEVATION	1260.000	1300.000	210.090	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.662
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	1.889	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-3.652
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	4.828

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.711	.251	.384	.251	.537	2.550	.000	.000	.250	.488
ELEVATION	1380.711	1385.251	1380.384	1385.251	1385.536	1385.550	1402.000	1391.000	1384.250	1371.488
VEL-N	3.652	.000	.000	1.375	.540	.279	.000	.000	.000	1.060
VEL-E	-3.912	-2.886	.000	-2.578	.000	-2.762	.000	.000	-1.144	-2.312
VEL-S	.000	.000	-1.375	-.540	-.279	.000	.000	.000	.000	.000
VEL-W	1.393	.000	2.634	2.312	1.144	.000	.000	.000	.000	.660

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.300	.247	.251	.411	.352	.000	.000	.000	.000	.000
ELEVATION	1370.300	1375.247	1379.250	1363.411	1350.352	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	-1.661	.000	.000	3.972	.000	.000	.000	.000	.000	.000
VEL-E	-2.634	.000	-1.393	-4.828	.000	.000	.000	.000	.000	.000
VEL-S	-1.060	1.661	.000	.000	-3.972	.000	.000	.000	.000	.000
VEL-W	.587	4.529	.000	4.262	4.448	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	30.294	27.665	.250	.332
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	230.294	227.665	1330.250	1335.332
VEL-N	.000	.000	.000	.000	.000	.000	.000	21.093	.000	2.319
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-4.448
VEL-S	.000	.000	.000	.000	.000	.000	-21.093	.000	-2.319	-2.945
VEL-W	.000	.000	.000	.000	.000	.000	.000	25.264	.000	5.099

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.250	.248	.455	.279	.669	.249	.000	.000	.000	.000
ELEVATION	1345.250	1371.248	1345.455	1370.279	1370.669	1376.249	1380.000	1387.000	1380.000	1378.000
VEL-N	2.945	.000	.000	4.995	.548	1.101	.000	.000	.000	.000
VEL-E	-4.262	.000	-4.529	-.587	-.660	.000	.000	.000	.000	.000
VEL-S	.000	.000	-4.995	-.548	-1.101	.000	.000	.000	.000	.000
VEL-W	4.459	.000	3.880	1.969	.452	.753	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.250	.250	.268	.547	.811	1.472	.250	28.681	31.209	.000
ELEVATION	1374.250	1370.250	1365.268	1335.547	1320.811	1316.472	1310.250	228.681	231.209	1376.000
VEL-N	.000	1.387	4.257	5.364	3.785	4.699	.000	22.323	.000	.000
VEL-E	-.753	-.452	-1.881	-3.880	.000	-4.459	-5.099	.000	-25.264	.000
VEL-S	.000	.000	-1.387	-4.257	-5.364	-3.785	-4.699	.000	-22.323	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	10.191	.000	.000	.000	.000	.089	.250	.000	.000	.000
ELEVATION	210.191	1330.000	1345.000	1360.000	1371.000	1371.089	1371.250	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	-1.449	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.021	.250	.008	.000	.000	.000	10.210	10.109	.000	.000
ELEVATION	1369.021	1370.250	1370.008	1371.000	1360.000	1330.000	210.210	210.109	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-2.502	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	1.449	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	2.502	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-2.527	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.000	.000	.250	.020	.207	.000
ELEVATION	1358.000	1356.000	1357.000	1349.000	1461.000	1450.000	1446.250	1421.020	1436.207	1438.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	10.197	10.022	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	210.197	210.022	1348.000	1348.000

VEL-N	.000	.000	.000	.000	.000	.000	-2.887	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	2.527	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	2.887	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-2.742	2.887	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	10.197	10.013	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	210.197	210.013	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	2.742	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-2.887	2.742	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-2.742	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	2.758	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.154
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.000	1245.000	1566.154
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 1.50 MAX. TIMESTEP(SEC.) = 2.00 MEAN TIMESTEP(SEC.) = 1.75

MODEL TIME(HOURS) = 7.25 (SECONDS) = .261E+05 (TOTAL TIMESTEP NUMBER) = 1.2E+04

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 4416.26

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.476	.250	.250	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.476	1561.250	1558.250	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-2.286	-1.292	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	2.286	1.292	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	7.618	3.331	3.677	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.250	.251	.308	.559	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.250	1540.251	1541.308	1542.559	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	-.959	-1.399	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-3.677	-3.331	-7.618	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.959	1.399	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	3.501	5.485	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.059	.000	.000	.000	.000	.000	.249
ELEVATION	1360.000	1369.000	1368.000	1365.059	1365.000	1363.000	1361.000	1358.000	1523.000	1521.249
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.815
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	4.632

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.769	.250	.399	.249	.000	.000	.000	.000	.250	.250
ELEVATION	1521.769	1522.250	1520.399	1521.250	1525.000	1525.000	1510.000	1506.000	1502.250	1515.250
VEL-N	.815	.431	-1.014	.000	.000	.000	.000	.000	.000	.000

VEL-E	-5.485	-3.501	.000	.000	.000	.000	.000	.000	.000	-2.342
VEL-S	-.431	1.014	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	4.730	3.074	2.342	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.250	.415	.251	.250	.250	.247	.000	.000	.000	.000
ELEVATION	1505.250	1503.415	1501.251	1499.250	1498.250	1495.247	1359.000	1359.000	1349.000	1349.000
VEL-N	1.013	1.544	1.228	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.074	-4.730	-4.632	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	-1.013	-1.544	-1.228	.000	.000	.000	.000	.000	.000
VEL-W	3.251	6.076	4.168	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.249	.250	.251	.434	.250	.249	.248	.250	.000
ELEVATION	1350.000	1477.249	1476.250	1478.251	1478.434	1486.250	1482.249	1487.248	1478.250	1494.000
VEL-N	.000	.000	.000	1.056	.458	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-4.168	-6.076	-3.251	.000	.000	.000	.000
VEL-S	.000	.000	-1.056	-.458	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	3.342	6.107	.000	3.472	.000	1.390	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.250	.249	.251	.250	.420	.289	.250	.249
ELEVATION	1496.000	1476.000	1473.250	1470.249	1466.251	1466.250	1461.420	1458.289	1455.250	1454.249
VEL-N	.000	.000	.000	1.245	.000	.000	1.937	1.367	.747	.000
VEL-E	.000	.000	-1.390	.000	-3.472	.000	-6.107	-3.342	.000	.000
VEL-S	.000	.000	.000	.000	-1.245	.000	.000	-1.937	-1.367	-.747
VEL-W	.000	.000	.000	2.441	3.341	.000	4.900	3.476	3.339	3.483

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.442	1.434	.284	.338	.451
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.442	1432.434	1435.284	1440.338	1445.451
VEL-N	.000	.000	.000	.000	.000	.000	.000	1.369	1.938	2.285
VEL-E	.000	.000	.000	.000	.000	.000	-3.483	-3.339	-3.476	-4.900
VEL-S	.000	.000	.000	.000	.000	.000	-1.369	-1.938	-2.285	.000
VEL-W	.000	.000	.000	.000	.000	.000	.716	3.004	3.951	3.523

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.250	.251	.250	.249	.250	.249	.249	.276	.249	.251
ELEVATION	1448.250	1446.251	1449.250	1452.249	1457.250	1442.249	1436.249	1432.276	1432.249	1431.251
VEL-N	.000	.000	.000	.000	.000	.000	.000	.126	.000	1.823
VEL-E	.000	-3.341	-2.441	.000	.000	.000	.000	-2.793	.000	-3.523
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	-.126	.000
VEL-W	.000	2.793	.000	.000	.000	.000	.000	2.568	.000	3.419

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.302	.554	.250	.000	.000	10.425	.000	.000	.000	.000
ELEVATION	1425.302	1421.554	1432.250	1440.000	1363.000	210.425	1305.000	1270.000	1260.000	1430.000
VEL-N	1.639	-2.443	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.409	-3.004	-.716	.000	.000	-3.040	.000	.000	.000	.000
VEL-S	-1.823	-1.639	2.443	.000	.000	.000	.000	.000	.000	.000
VEL-W	3.502	3.919	1.433	.000	.000	-2.101	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.249	.347	.438	.251	.249	.250	.278	.249	.062	.250
ELEVATION	1429.249	1411.347	1411.438	1414.251	1413.249	1415.250	1417.278	1423.249	1410.062	1405.250
VEL-N	.000	.000	.381	.000	.000	.000	.917	.000	.000	.000
VEL-E	-1.433	-3.919	-3.502	-3.419	.000	.000	-2.568	.000	.000	-1.915
VEL-S	.000	-.381	.000	.000	.000	-.917	.000	.000	.000	.000
VEL-W	.000	5.874	3.433	.000	.000	.000	1.915	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.249	.255	.250	.250	.761	.246	.839	.000	.000	.000
ELEVATION	1403.249	1396.255	1398.250	1400.250	1385.761	1400.246	1388.839	1265.000	1260.000	1258.000
VEL-N	.000	-1.057	-1.055	3.157	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-3.433	-5.874	.000	.000	.000	.000	.000
VEL-S	.000	.000	1.057	1.055	-3.157	.000	.000	.000	.000	.000
VEL-W	.000	2.495	2.638	2.891	3.749	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	10.367	.000	.000	.000	.000	.000	.000	.637
ELEVATION	1260.000	1300.000	210.367	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.637
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	2.101	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-3.499
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	4.640

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.656	.250	.364	.250	.513	2.524	.000	.000	.250	.467
ELEVATION	1380.656	1385.250	1380.364	1385.250	1385.513	1385.524	1402.000	1391.000	1384.250	1371.467
VEL-N	3.499	1.603	-1.377	1.376	.507	.272	.000	.000	2.225	1.025
VEL-E	-3.749	-2.891	-2.638	-2.495	.000	.000	.000	.000	-1.111	-2.311
VEL-S	-1.603	1.377	-1.376	-.507	-.272	.000	.000	.000	.000	-2.225
VEL-W	1.314	2.361	2.530	2.311	1.111	.000	.000	.000	1.758	.640

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.281	.251	.250	.373	.345	.000	.000	.000	.000	.000
ELEVATION	1370.281	1375.251	1379.250	1363.373	1350.345	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	.000	.000	3.809	.000	.000	.000	.000	.000	.000
VEL-E	-2.530	-2.361	-1.314	-4.640	.000	.000	.000	.000	.000	.000
VEL-S	-1.025	.000	.000	.000	-3.809	.000	.000	.000	.000	.000
VEL-W	.541	.000	.000	4.093	4.277	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	30.763	28.994	.233	.298
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	230.763	228.994	1330.233	1335.298
VEL-N	.000	.000	.000	.000	.000	.000	.000	23.660	.000	2.180
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-4.277
VEL-S	.000	.000	.000	.000	.000	.000	-23.660	.000	-2.180	-2.952
VEL-W	.000	.000	.000	.000	.000	.000	.000	27.878	.000	4.974

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.251	.247	.429	.264	.646	.250	.000	.000	.000	.000
ELEVATION	1345.251	1371.247	1345.429	1370.264	1370.646	1376.250	1380.000	1387.000	1380.000	1378.000
VEL-N	2.952	.000	.000	4.818	.528	.000	.000	.000	.000	.000
VEL-E	-4.093	.000	.000	-.541	-.640	-1.758	.000	.000	.000	.000
VEL-S	.000	.000	-4.818	-.528	.000	.000	.000	.000	.000	.000
VEL-W	4.468	.000	3.740	1.908	.433	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.249	.250	.258	.521	.772	1.394	.239	29.707	31.347	.000
ELEVATION	1374.250	1370.250	1365.258	1335.521	1320.772	1316.394	1310.239	229.707	231.347	1376.000
VEL-N	.000	1.389	4.153	5.196	3.677	4.546	27.407	24.179	.000	.000
VEL-E	.000	-.433	-1.835	-3.740	.000	-4.468	-4.974	.000	-27.878	.000
VEL-S	.000	.000	-1.389	-4.153	-5.196	-3.677	-4.546	-27.407	-24.179	.000
VEL-W	.000	.000	.000	.000	.000	.000	27.665	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	10.453	.000	.000	.000	.000	.096	.250	.000	.000	.000
ELEVATION	210.453	1330.000	1345.000	1360.000	1371.000	1371.096	1371.250	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

VEL-E	-27.665	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	-1.894	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.029	.250	.011	.000	.000	.000	10.454	10.386	.000	.000
ELEVATION	1369.029	1370.250	1370.011	1371.000	1360.000	1330.000	210.454	210.386	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-2.705	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	1.894	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	2.705	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-2.868	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.000	.000	.249	.026	.218	.000
ELEVATION	1358.000	1356.000	1357.000	1349.000	1461.000	1450.000	1446.249	1421.026	1436.218	1438.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	10.441	10.325	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	210.441	210.325	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	-3.177	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	2.868	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	3.177	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-3.059	3.177	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	10.441	10.317	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	210.441	210.317	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	3.059	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-3.177	3.059	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-3.059	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	3.040	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.154
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.000	1245.000	1566.154
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 1.00 MAX. TIMESTEP(SEC.) = 2.00 MEAN TIMESTEP(SEC.) = 1.53

MODEL TIME(HOURS) = 7.50 (SECONDS) = .270E+05 (TOTAL TIMESTEP NUMBER) = 1.3E+04

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 3879.75

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.439	.251	.250	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.439	1561.251	1558.250	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-2.197	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

VEL-S	.000	.000	.000	.000	.000	.000	2.197	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	7.214	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.250	.249	.270	.517	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.250	1540.249	1541.270	1542.517	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	-.900	-1.311	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-7.214	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.900	1.311	.000	.000
VEL-W	.000	.000	.000	.000	.000	3.866	3.345	5.211	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.076	.000	.000	.000	.000	.000	.250
ELEVATION	1360.000	1369.000	1368.000	1365.076	1365.000	1363.000	1361.000	1358.000	1523.000	1521.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.746
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.717	.250	.363	.249	.000	.000	.000	.000	.251	.247
ELEVATION	1521.717	1522.250	1520.363	1521.250	1525.000	1525.000	1510.000	1506.000	1502.250	1515.247
VEL-N	.746	.455	-1.027	.000	.000	.000	.000	.000	-2.535	2.742
VEL-E	-5.211	-3.345	-3.866	.000	.000	.000	.000	.000	.000	-2.243
VEL-S	-.455	1.027	.000	.000	.000	.000	.000	.000	.000	2.535
VEL-W	4.506	3.077	2.243	.000	.000	.000	.000	.000	.000	5.949

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.252	.385	.250	.249	.250	.250	.000	.000	.000	.000
ELEVATION	1505.252	1503.385	1501.250	1499.249	1498.250	1495.250	1359.000	1359.000	1349.000	1349.000
VEL-N	.000	1.485	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.077	-4.506	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	-2.742	.000	-1.485	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	5.779	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.249	.250	.249	.403	.248	.252	.248	.250	.000
ELEVATION	1350.000	1477.249	1476.250	1478.249	1478.403	1486.248	1482.252	1487.248	1478.250	1494.000
VEL-N	.000	.000	.000	1.056	.406	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-5.779	.000	-5.949	.000	.000	.000
VEL-S	.000	.000	-1.056	-.406	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	3.418	3.338	5.822	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.249	.250	.250	.249	.393	.267	.251	.249
ELEVATION	1496.000	1476.000	1473.249	1470.250	1466.250	1466.249	1461.393	1458.267	1455.251	1454.249
VEL-N	.000	.000	.922	.000	.000	1.915	1.842	1.323	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-5.822	-3.338	-3.418	.000
VEL-S	.000	.000	.000	-.922	.000	.000	-1.915	-1.842	-1.323	.000
VEL-W	.000	.000	2.128	.000	3.342	3.161	4.678	3.300	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.417	1.409	.266	.311	.415
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.417	1432.409	1435.266	1440.311	1445.415
VEL-N	.000	.000	.000	.000	.000	.000	.000	1.315	1.844	2.161
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	-3.300	-4.678
VEL-S	.000	.000	.000	.000	.000	.000	-1.315	-1.844	-2.161	.000
VEL-W	.000	.000	.000	.000	.000	.000	.662	2.885	3.740	3.398

NODE	81	82	83	84	85	86	87	88	89	90

DEPTH	.250	.251	.249	.250	.250	.250	.250	.262	.249	.251
ELEVATION	1448.250	1446.251	1449.249	1452.250	1457.250	1442.250	1436.250	1432.262	1432.249	1431.251
VEL-N	.000	.000	1.077	.000	.000	.000	.000	.086	.000	1.828
VEL-E	-3.161	-3.342	.000	.000	-2.128	.000	-1.920	-2.794	.000	-3.398
VEL-S	.000	-1.077	.000	.000	.000	.000	.000	.000	-.086	.000
VEL-W	.000	2.794	1.920	.000	.000	.000	.000	2.447	.000	3.419

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.282	.522	.250	.000	.000	10.674	.000	.000	.000	.000
ELEVATION	1425.282	1421.522	1432.250	1440.000	1363.000	210.674	1305.000	1270.000	1260.000	1430.000
VEL-N	1.566	-2.446	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.239	-2.885	-.662	.000	.000	-3.201	.000	.000	.000	.000
VEL-S	-1.828	-1.566	2.446	.000	.000	.000	.000	.000	.000	.000
VEL-W	3.344	3.758	1.434	.000	.000	-2.224	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.249	.325	.400	.251	.250	.250	.251	.250	.070	.250
ELEVATION	1429.249	1411.325	1411.400	1414.251	1413.250	1415.250	1417.251	1423.250	1410.070	1405.250
VEL-N	.000	.000	.329	.000	.000	.000	.880	.000	.000	.000
VEL-E	-1.434	-3.758	-3.344	-3.419	.000	.000	-2.447	.000	.000	-1.846
VEL-S	.000	-.329	.000	.000	.000	-.880	.000	.000	.000	.000
VEL-W	.000	5.616	3.296	.000	.000	.000	1.846	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.249	.250	.249	.251	.719	.250	.868	.000	.000	.000
ELEVATION	1403.249	1396.250	1398.249	1400.251	1385.719	1400.250	1388.868	1265.000	1260.000	1258.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-3.296	-5.616	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	2.476	.000	.000	3.591	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	10.612	.000	.000	.000	.000	.000	.000	.609
ELEVATION	1260.000	1300.000	210.612	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.609
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	2.224	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-3.343
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	4.443

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.607	.248	.341	.251	.487	2.497	.000	.000	.250	.437
ELEVATION	1380.607	1385.248	1380.341	1385.251	1385.487	1385.497	1402.000	1391.000	1384.250	1371.437
VEL-N	3.343	1.607	-1.377	.000	.470	.253	.000	.000	.000	.978
VEL-E	-3.591	.000	.000	-2.476	.000	.000	.000	.000	-1.074	.000
VEL-S	-1.607	1.377	.000	-.470	-.253	.000	.000	.000	.000	.000
VEL-W	1.242	2.357	2.429	.000	1.074	.000	.000	.000	.000	.612

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.265	.250	.249	.337	.337	.000	.000	.000	.000	.000
ELEVATION	1370.265	1375.250	1379.249	1363.337	1350.337	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	.000	.000	3.647	.000	.000	.000	.000	.000	.000
VEL-E	-2.429	-2.357	-1.242	-4.443	.000	.000	.000	.000	.000	.000
VEL-S	-.978	.000	.000	.000	-3.647	.000	.000	.000	.000	.000
VEL-W	.454	.000	.000	3.927	4.099	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	31.477	29.570	.244	.266
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	231.477	229.570	1330.244	1335.266
VEL-N	.000	.000	.000	.000	.000	.000	.000	24.870	.000	2.112
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-4.099

VEL-S	.000	.000	.000	.000	.000	.000	-24.870	.000	-2.112	-2.953
VEL-W	.000	.000	.000	.000	.000	.000	.000	29.352	.000	4.773

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.252	.245	.400	.252	.621	.250	.000	.000	.000	.000
ELEVATION	1345.252	1371.245	1345.400	1370.252	1370.621	1376.250	1380.000	1387.000	1380.000	1378.000
VEL-N	2.953	4.762	-4.748	4.676	.505	1.107	.000	.000	.000	.000
VEL-E	-3.927	.000	.000	-.454	-.612	.000	.000	.000	.000	.000
VEL-S	-4.762	4.748	-4.676	-.505	-1.107	.000	.000	.000	.000	.000
VEL-W	4.469	6.638	3.558	1.860	.411	.753	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.250	.250	.251	.493	.731	1.316	.239	30.336	32.098	.000
ELEVATION	1374.250	1370.250	1365.250	1335.493	1320.731	1316.316	1310.239	230.336	232.098	1376.000
VEL-N	.000	1.390	4.071	5.006	3.551	4.372	27.401	25.443	.000	.000
VEL-E	-.753	-.411	-1.788	-3.558	-6.638	-4.469	-4.773	.000	-29.352	.000
VEL-S	.000	.000	-1.390	-4.071	-5.006	-3.551	-4.372	-27.401	-25.443	.000
VEL-W	.000	.000	.000	.000	.000	.000	27.664	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	10.696	.000	.000	.000	.000	.101	.250	.000	.000	.000
ELEVATION	210.696	1330.000	1345.000	1360.000	1371.000	1371.101	1371.250	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-27.664	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	-2.024	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.037	.250	.014	.000	.000	.000	10.700	10.625	.000	.000
ELEVATION	1369.037	1370.250	1370.014	1371.000	1360.000	1330.000	210.700	210.625	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-2.825	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	2.024	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	2.825	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-3.060	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.000	.000	.250	.036	.229	.000
ELEVATION	1358.000	1356.000	1357.000	1349.000	1461.000	1450.000	1446.250	1421.036	1436.229	1438.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	10.689	10.563	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	210.689	210.563	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	-3.343	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	3.060	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	3.343	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-3.237	3.343	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	10.689	10.556	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	210.689	210.556	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	3.237	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-3.343	3.237	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-3.237	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	3.201	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250

DEPTH	.000	.000	.000	.000	.000	.000	.000	.005	.000	.154
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.005	1245.000	1566.154
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 1.50 MAX. TIMESTEP(SEC.) = 1.50 MEAN TIMESTEP(SEC.) = 1.50

MODEL TIME(HOURS) = 7.75 (SECONDS) = .279E+05 (TOTAL TIMESTEP NUMBER) = 1.5E+04

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 3626.37

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.419	.250	.250	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.419	1561.250	1558.250	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-2.150	-1.292	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	2.150	1.292	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	6.994	3.338	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.250	.250	.251	.493	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.250	1540.250	1541.251	1542.493	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	-.867	-1.259	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-3.338	-6.994	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.867	1.259	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	3.252	5.045	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.092	.000	.000	.000	.000	.000	.250
ELEVATION	1360.000	1369.000	1368.000	1365.092	1365.000	1363.000	1361.000	1358.000	1523.000	1521.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.701
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.682	.251	.326	.249	.000	.000	.000	.000	.249	.250
ELEVATION	1521.682	1522.251	1520.326	1521.250	1525.000	1525.000	1510.000	1506.000	1502.250	1515.250
VEL-N	.701	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-5.045	-3.252	.000	.000	.000	.000	.000	.000	.000	-2.149
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	4.346	.000	2.149	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.249	.362	.250	.250	.249	.250	.000	.000	.000	.000
ELEVATION	1505.249	1503.362	1501.250	1499.250	1498.249	1495.250	1359.000	1359.000	1349.000	1349.000
VEL-N	1.026	1.441	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	-4.346	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	-1.026	-1.441	.000	.000	.000	.000	.000	.000	.000
VEL-W	3.252	5.547	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.249	.250	.249	.379	.248	.250	.249	.250	.000

ELEVATION	1350.000	1477.249	1476.250	1478.249	1478.379	1486.248	1482.250	1487.249	1478.250	1494.000
VEL-N	.000	.000	.000	1.055	.361	2.432	-1.732	.000	.000	.000
VEL-E	.000	.000	.000	.000	-5.547	-3.252	.000	.000	.000	.000
VEL-S	.000	.000	-1.055	-.361	-2.432	1.732	.000	.000	.000	.000
VEL-W	.000	.000	.000	3.338	5.574	3.327	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.249	.249	.250	.250	.367	.251	.250	.249
ELEVATION	1496.000	1476.000	1473.249	1470.249	1466.250	1466.250	1461.367	1458.251	1455.250	1454.249
VEL-N	.000	.000	.000	.000	.000	.000	1.762	1.293	.000	.000
VEL-E	.000	.000	.000	.000	.000	-3.327	-5.574	-3.338	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-1.762	-1.293	.000
VEL-W	.000	.000	.000	.000	3.345	.000	4.477	3.167	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.394	1.386	.251	.285	.380
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.394	1432.386	1435.251	1440.285	1445.380
VEL-N	.000	.000	.000	.000	.000	.000	.000	1.267	1.752	2.035
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	-3.167	-4.477
VEL-S	.000	.000	.000	.000	.000	.000	-1.267	-1.752	-2.035	.000
VEL-W	.000	.000	.000	.000	.000	.000	.606	2.777	3.525	3.273

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.249	.251	.249	.250	.249	.250	.249	.252	.249	.251
ELEVATION	1448.249	1446.251	1449.249	1452.250	1457.250	1442.250	1436.249	1432.252	1432.250	1431.251
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.747	1.829
VEL-E	.000	-3.345	.000	.000	.000	.000	.000	-2.799	.000	-3.273
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.747
VEL-W	.000	2.799	.000	.000	.000	.000	.000	2.414	3.252	3.422

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.261	.489	.249	.000	.000	10.899	.000	.000	.000	.000
ELEVATION	1425.261	1421.489	1432.249	1440.000	1363.000	210.899	1305.000	1270.000	1260.000	1430.000
VEL-N	1.491	-2.446	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.064	-2.777	-.606	.000	.000	-3.351	.000	.000	.000	.000
VEL-S	-1.829	-1.491	2.446	.000	.000	.000	.000	.000	.000	.000
VEL-W	3.180	3.591	1.431	.000	.000	-2.338	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.248	.302	.362	.250	.251	.250	.250	.250	.078	.250
ELEVATION	1429.248	1411.302	1411.362	1414.250	1413.251	1415.250	1417.250	1423.250	1410.078	1405.250
VEL-N	.000	.000	.275	1.586	-.829	.000	.879	.000	.000	.000
VEL-E	-1.431	-3.591	-3.180	-3.422	-3.252	.000	-2.414	.000	.000	-1.845
VEL-S	.000	-.275	-1.586	.829	.000	-.879	.000	.000	.000	.000
VEL-W	.000	5.359	3.158	3.315	.000	.000	1.845	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.250	.250	.251	.251	.675	.249	.895	.000	.000	.000
ELEVATION	1403.250	1396.250	1398.251	1400.251	1385.675	1400.249	1388.895	1265.000	1260.000	1258.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-3.315	-3.158	-5.359	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	3.437	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	10.832	.000	.000	.000	.000	.000	.000	.578
ELEVATION	1260.000	1300.000	210.832	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.578
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	2.338	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-3.197

VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	4.259

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.567	.249	.317	.250	.455	2.466	.000	.000	.250	.407
ELEVATION	1380.567	1385.249	1380.317	1385.250	1385.455	1385.466	1402.000	1391.000	1384.250	1371.407
VEL-N	3.197	.000	.000	.000	.425	.266	.000	.000	.000	.922
VEL-E	-3.437	.000	.000	.000	.000	.000	.000	.000	-1.029	.000
VEL-S	.000	.000	.000	-.425	-.266	.000	.000	.000	.000	.000
VEL-W	1.188	.000	2.314	.000	1.029	.000	.000	.000	.000	.583

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.263	.248	.250	.310	.315	.000	.000	.000	.000	.000
ELEVATION	1370.262	1375.248	1379.250	1363.310	1350.315	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	.000	.000	3.449	.000	.000	.000	.000	.000	.000
VEL-E	-2.314	.000	-1.188	-4.259	.000	.000	.000	.000	.000	.000
VEL-S	-.922	.000	.000	.000	-3.449	.000	.000	.000	.000	.000
VEL-W	.447	.000	.000	3.804	3.931	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	32.126	30.087	.242	.252
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	232.126	230.087	1330.242	1335.252
VEL-N	.000	.000	.000	.000	.000	.000	.000	26.003	.000	2.067
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-3.931
VEL-S	.000	.000	.000	.000	.000	.000	-26.003	.000	-2.067	-2.957
VEL-W	.000	.000	.000	.000	.000	.000	.000	30.719	.000	4.596

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.250	.249	.374	.251	.593	.250	.000	.000	.000	.000
ELEVATION	1345.250	1371.249	1345.374	1370.251	1370.593	1376.250	1380.000	1387.000	1380.000	1378.000
VEL-N	2.957	.000	.000	4.659	.476	.000	.000	.000	.000	.000
VEL-E	-3.804	.000	.000	-.447	-.583	.000	.000	.000	.000	.000
VEL-S	.000	.000	-4.659	-.476	.000	.000	.000	.000	.000	.000
VEL-W	4.478	.000	3.412	1.856	.387	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.249	.250	.251	.464	.684	1.235	.244	30.901	32.786	.000
ELEVATION	1374.249	1370.250	1365.251	1335.464	1320.684	1316.235	1310.244	230.901	232.786	1376.000
VEL-N	1.066	1.390	4.075	4.810	3.421	4.170	.000	26.690	.000	.000
VEL-E	.000	-.387	-1.746	-3.412	.000	-4.478	-4.596	.000	-30.719	.000
VEL-S	.000	-1.066	-1.390	-4.075	-4.810	-3.421	-4.170	.000	-26.690	.000
VEL-W	1.076	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	10.910	.000	.000	.000	.000	.107	.250	.000	.000	.000
ELEVATION	210.910	1330.000	1345.000	1360.000	1371.000	1371.107	1371.250	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-1.076	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	-1.944	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.044	.250	.016	.000	.000	.000	10.923	10.843	.000	.000
ELEVATION	1369.044	1370.250	1370.016	1371.000	1360.000	1330.000	210.923	210.843	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-2.924	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	1.944	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	2.924	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-3.240	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.000	.000	.249	.045	.239	.000

ELEVATION	1358.000	1356.000	1357.000	1349.000	1461.000	1450.000	1446.249	1421.045	1436.239	1438.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	10.915	10.778	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	210.915	210.778	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	-3.498	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	3.240	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	3.498	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-3.403	3.498	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	10.915	10.772	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	210.915	210.772	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	3.403	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-3.498	3.403	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-3.403	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	3.351	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.013	.000	.154
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.013	1245.000	1566.154
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 1.50 MAX. TIMESTEP(SEC.) = 1.50 MEAN TIMESTEP(SEC.) = 1.50

MODEL TIME(HOURS) = 8.00 (SECONDS) = .288E+05 (TOTAL TIMESTEP NUMBER) = 1.6E+04

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 3372.98

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.400	.250	.249	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.400	1561.250	1558.249	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-2.105	-1.291	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	2.105	1.291	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	6.782	3.335	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.250	.249	.251	.470	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.250	1540.249	1541.251	1542.470	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	.000	-1.221	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-3.335	-6.782	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	1.221	.000	.000
VEL-W	.000	.000	.000	.000	.000	3.879	.000	4.888	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.107	.000	.000	.000	.000	.000	.249
ELEVATION	1360.000	1369.000	1368.000	1365.107	1365.000	1363.000	1361.000	1358.000	1523.000	1521.249

VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.663
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	4.625

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.654	.248	.305	.249	.000	.000	.000	.000	.250	.251
ELEVATION	1521.654	1522.248	1520.305	1521.250	1525.000	1525.000	1510.000	1506.000	1502.250	1515.251
VEL-N	.663	.480	-1.040	.000	.000	.000	.000	.000	.000	.000
VEL-E	-4.888	.000	-3.879	.000	.000	.000	.000	.000	.000	-2.086
VEL-S	-.480	1.040	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	4.219	3.074	2.086	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.250	.346	.251	.248	.249	.250	.000	.000	.000	.000
ELEVATION	1505.250	1503.346	1501.251	1499.249	1498.249	1495.250	1359.000	1359.000	1349.000	1349.000
VEL-N	1.031	1.409	.000	.745	.000	.000	.000	.000	.000	.000
VEL-E	-3.074	-4.219	-4.625	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	-1.031	-1.409	.000	-.745	.000	.000	.000	.000	.000
VEL-W	3.245	5.378	.000	3.572	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.248	.251	.249	.364	.249	.250	.248	.250	.000
ELEVATION	1350.000	1477.248	1476.251	1478.249	1478.364	1486.249	1482.250	1487.248	1478.250	1494.000
VEL-N	.000	.000	.000	1.055	.335	.000	.000	.000	.000	.000
VEL-E	.000	.000	-3.572	.000	-5.378	-3.245	.000	.000	.000	.000
VEL-S	.000	.000	-1.055	-.335	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	3.338	5.412	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.249	.249	.249	.249	.349	.250	.250	.249
ELEVATION	1496.000	1476.000	1473.249	1470.249	1466.249	1466.249	1461.349	1458.250	1455.250	1454.249
VEL-N	.000	.000	.000	.000	.000	1.922	1.721	1.291	.746	.000
VEL-E	.000	.000	.000	.000	.000	.000	-5.412	-3.338	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-1.922	-1.721	-1.291	-.746
VEL-W	.000	.000	.000	.000	.000	3.162	4.329	3.162	3.341	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.375	1.368	.251	.268	.355
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.375	1432.368	1435.251	1440.268	1445.355
VEL-N	.000	.000	.000	.000	.000	.000	.000	1.269	1.712	1.948
VEL-E	.000	.000	.000	.000	.000	.000	.000	-3.341	-3.162	-4.329
VEL-S	.000	.000	.000	.000	.000	.000	-1.269	-1.712	-1.948	.000
VEL-W	.000	.000	.000	.000	.000	.000	.561	2.775	3.386	3.180

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.250	.251	.249	.249	.250	.250	.249	.252	.249	.251
ELEVATION	1448.250	1446.251	1449.249	1452.249	1457.250	1442.250	1436.249	1432.252	1432.249	1431.251
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.162	.000	.000	.000	.000	.000	.000	-2.802	.000	-3.180
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	2.802	.000	.000	.000	.000	.000	2.413	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.250	.465	.251	.000	.000	11.103	.000	.000	.000	.000
ELEVATION	1425.250	1421.465	1432.250	1440.000	1363.000	211.103	1305.000	1270.000	1260.000	1430.000
VEL-N	1.453	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-2.961	-2.775	-.561	.000	.000	-3.491	.000	.000	.000	.000
VEL-S	.000	-1.453	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	3.097	3.460	.000	.000	.000	-2.444	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.249	.283	.332	.249	.250	.249	.251	.250	.085	.250
ELEVATION	1429.249	1411.283	1411.332	1414.249	1413.250	1415.249	1417.251	1423.250	1410.085	1405.250
VEL-N	.000	.000	.234	1.597	-.830	.000	.879	1.143	.000	.879
VEL-E	.000	-3.460	-3.097	.000	.000	.000	-2.413	.000	-1.152	-1.848
VEL-S	.000	-.234	-1.597	.830	.000	-.879	-1.143	.441	.000	.000
VEL-W	.000	5.130	3.052	3.314	.000	.000	1.848	1.152	.000	2.770

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.250	.250	.251	.250	.634	.249	.919	.000	.000	.000
ELEVATION	1403.250	1396.250	1398.251	1400.250	1385.634	1400.249	1388.919	1265.000	1260.000	1258.000
VEL-N	.000	.000	-1.055	3.175	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-3.314	-3.052	-5.130	.000	.000	.000	.000	.000
VEL-S	-.879	.000	.000	1.055	-3.175	.000	.000	.000	.000	.000
VEL-W	.000	2.476	.000	2.891	3.287	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	11.033	.000	.000	.000	.000	.000	.000	.541
ELEVATION	1260.000	1300.000	211.033	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.541
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	2.444	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-3.052
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	4.073

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.529	.251	.302	.250	.427	2.439	.000	.000	.250	.387
ELEVATION	1380.529	1385.251	1380.302	1385.250	1385.427	1385.439	1402.000	1391.000	1384.250	1371.387
VEL-N	3.052	.000	.000	1.384	.385	.246	.000	.000	.000	.882
VEL-E	-3.287	-2.891	.000	-2.476	.000	-2.770	.000	.000	-.991	-2.316
VEL-S	.000	.000	-1.384	-.385	-.246	.000	.000	.000	.000	.000
VEL-W	1.134	.000	2.234	2.316	.991	.000	.000	.000	.000	.564

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.263	.250	.248	.291	.267	.000	.000	.000	.000	.000
ELEVATION	1370.263	1375.250	1379.248	1363.291	1350.267	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	-1.490	2.980	3.215	.000	.000	.000	.000	.000	.000
VEL-E	-2.234	.000	-1.134	-4.073	.000	.000	.000	.000	.000	.000
VEL-S	-.882	.000	1.490	-2.980	-3.215	.000	.000	.000	.000	.000
VEL-W	.000	.000	2.331	3.706	3.701	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	32.716	30.554	.233	.251
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	232.716	230.554	1330.233	1335.251
VEL-N	.000	.000	.000	.000	.000	.000	.000	27.063	.000	2.044
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-3.701
VEL-S	.000	.000	.000	.000	.000	.000	-27.063	.000	-2.044	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	31.973	.000	4.665

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.251	.246	.353	.250	.567	.250	.000	.000	.000	.000
ELEVATION	1345.251	1371.246	1345.353	1370.250	1370.568	1376.250	1380.000	1387.000	1380.000	1378.000
VEL-N	.000	.000	.000	4.674	.448	.000	.000	.000	.000	.000
VEL-E	-3.706	-2.331	.000	.000	-.564	.000	.000	.000	.000	.000
VEL-S	.000	.000	-4.674	-.448	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	3.281	1.860	.365	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.250	.250	.251	.441	.650	1.167	.255	31.413	33.410	.000
ELEVATION	1374.250	1370.250	1365.250	1335.441	1320.650	1316.167	1310.255	231.413	233.410	1376.000

VEL-N	.000	.000	4.082	4.651	3.317	4.038	.000	27.739	.000	.000
VEL-E	.000	-.365	-1.706	-3.281	.000	.000	-4.665	.000	-31.973	.000
VEL-S	.000	.000	.000	-4.082	-4.651	-3.317	-4.038	.000	-27.739	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	11.105	.000	.000	.000	.000	.112	.250	.000	.000	.000
ELEVATION	211.105	1330.000	1345.000	1360.000	1371.000	1371.112	1371.250	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	-2.249	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.050	.250	.018	.000	.000	.000	11.126	11.038	.000	.000
ELEVATION	1369.050	1370.250	1370.018	1371.000	1360.000	1330.000	211.126	211.038	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-3.048	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	2.249	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	3.048	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-3.399	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.000	.000	.249	.054	.249	.000
ELEVATION	1358.000	1356.000	1357.000	1349.000	1461.000	1450.000	1446.249	1421.054	1436.249	1438.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-.441	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	11.119	10.974	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	211.119	210.974	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	-3.643	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	3.399	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	3.643	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-3.556	3.643	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	11.119	10.968	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	211.119	210.968	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	3.556	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-3.643	3.556	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-3.556	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	3.491	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.020	.000	.154
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.021	1245.000	1566.154
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 1.50 MAX. TIMESTEP(SEC.) = 1.50 MEAN TIMESTEP(SEC.) = 1.50

MODEL TIME(HOURS) = 8.25 (SECONDS) = .297E+05 (TOTAL TIMESTEP NUMBER) = 1.7E+04

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 3119.59

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.380	.250	.250	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.380	1561.250	1558.250	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-2.057	-1.291	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	2.057	1.291	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	6.559	3.338	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.250	.250	.251	.446	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.250	1540.250	1541.251	1542.446	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	-.867	-1.183	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-3.338	-6.559	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.867	1.183	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	3.251	4.724	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.122	.000	.000	.000	.000	.000	.249
ELEVATION	1360.000	1369.000	1368.000	1365.122	1365.000	1363.000	1361.000	1358.000	1523.000	1521.249
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.624
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.623	.251	.286	.249	.000	.000	.000	.000	.249	.248
ELEVATION	1521.623	1522.251	1520.286	1521.250	1525.000	1525.000	1510.000	1506.000	1502.249	1515.248
VEL-N	.624	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-4.724	-3.251	.000	.000	.000	.000	.000	.000	.000	-2.034
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	4.084	.000	2.034	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.249	.329	.249	.250	.249	.250	.000	.000	.000	.000
ELEVATION	1505.249	1503.329	1501.249	1499.250	1498.249	1495.250	1359.000	1359.000	1349.000	1349.000
VEL-N	1.037	1.379	1.227	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	-4.084	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	-1.037	-1.379	-1.227	.000	.000	.000	.000	.000	.000
VEL-W	3.256	5.199	4.167	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.248	.250	.251	.349	.249	.250	.249	.250	.000
ELEVATION	1350.000	1477.248	1476.250	1478.251	1478.349	1486.249	1482.250	1487.249	1478.250	1494.000
VEL-N	.000	.000	.000	1.057	.304	2.439	-1.734	.000	.000	.000
VEL-E	.000	.000	.000	-4.167	-5.199	-3.256	.000	.000	.000	.000
VEL-S	.000	.000	-1.057	-.304	-2.439	1.734	.000	.000	.000	.000
VEL-W	.000	.000	.000	3.343	5.241	3.328	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.250	.249	.250	.250	.331	.251	.250	.250
ELEVATION	1496.000	1476.000	1473.250	1470.249	1466.250	1466.250	1461.331	1458.251	1455.250	1454.250
VEL-N	.000	.000	.000	.000	.000	.000	1.684	1.292	.000	.000
VEL-E	.000	.000	.000	.000	.000	-3.328	-5.241	-3.343	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-1.684	-1.292	.000
VEL-W	.000	.000	.000	.000	3.340	.000	4.186	3.168	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.362	1.353	.249	.251	.331
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.362	1432.353	1435.249	1440.251	1445.331
VEL-N	.000	.000	.000	.000	.000	.000	.000	1.270	1.671	1.861
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	-3.168	-4.186
VEL-S	.000	.000	.000	.000	.000	.000	-1.270	-1.671	-1.861	.000
VEL-W	.000	.000	.000	.000	.000	.000	.521	2.772	3.244	3.095

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.250	.251	.249	.250	.249	.250	.250	.251	.249	.250
ELEVATION	1448.250	1446.251	1449.249	1452.250	1457.249	1442.250	1436.250	1432.251	1432.249	1431.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.827
VEL-E	.000	-3.340	.000	.000	.000	.000	.000	-2.793	.000	-3.095
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	2.793	.000	.000	.000	.000	.000	2.410	.000	3.418

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.252	.449	.250	.000	.000	11.289	.000	.000	.000	.000
ELEVATION	1425.252	1421.449	1432.250	1440.000	1363.000	211.289	1305.000	1270.000	1260.000	1430.000
VEL-N	1.460	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-2.898	-2.772	-.521	.000	.000	-3.623	.000	.000	.000	.000
VEL-S	-1.827	-1.460	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	3.106	3.373	.000	.000	.000	-2.542	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.248	.272	.312	.250	.249	.250	.250	.249	.092	.250
ELEVATION	1429.248	1411.272	1411.312	1414.250	1413.249	1415.250	1417.250	1423.250	1410.092	1405.250
VEL-N	.000	.000	.205	1.601	-.829	.000	.878	.000	.000	.879
VEL-E	.000	-3.373	-3.106	-3.418	.000	.000	-2.410	.000	.000	-1.846
VEL-S	.000	-.205	-1.601	.829	.000	-.878	.000	.000	.000	.000
VEL-W	.000	4.992	2.978	3.313	.000	.000	1.846	.000	.000	2.769

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.250	.250	.251	.249	.610	.249	.941	.000	.000	.000
ELEVATION	1403.250	1396.250	1398.251	1400.249	1385.610	1400.249	1388.941	1265.000	1260.000	1258.000
VEL-N	.000	.000	-1.054	3.174	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-3.313	-2.978	-4.992	.000	.000	.000	.000	.000
VEL-S	-.879	.000	.000	1.054	-3.174	.000	.000	.000	.000	.000
VEL-W	.000	2.477	.000	2.887	3.194	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	11.215	.000	.000	.000	.000	.000	.000	.513
ELEVATION	1260.000	1300.000	211.215	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.513
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	2.542	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-2.956
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	3.919

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.504	.250	.289	.251	.407	2.418	.000	.000	.250	.370
ELEVATION	1380.504	1385.250	1380.289	1385.251	1385.407	1385.417	1402.000	1391.000	1384.250	1371.370
VEL-N	2.956	.000	.000	.000	.354	.240	.000	.000	.000	.850
VEL-E	-3.194	-2.887	.000	-2.477	.000	-2.769	.000	.000	-.961	.000
VEL-S	.000	.000	.000	-.354	-.240	.000	.000	.000	.000	.000
VEL-W	1.098	.000	2.171	.000	.961	.000	.000	.000	.000	.550

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.263	.250	.249	.272	.250	.000	.000	.000	.000	.000
ELEVATION	1370.263	1375.250	1379.249	1363.272	1350.250	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	.000	.000	3.081	.000	.000	.000	.000	.000	.000

VEL-E	-2.171	.000	-1.098	-3.919	.000	.000	.000	.000	.000	.000
VEL-S	-.850	.000	.000	.000	-3.081	.000	.000	.000	.000	.000
VEL-W	.478	.000	.000	3.624	3.613	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	33.249	30.970	.232	.251
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	233.249	230.970	1330.232	1335.251
VEL-N	.000	.000	.000	.000	.000	.000	.000	28.036	.000	2.037
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-3.613
VEL-S	.000	.000	.000	.000	.000	.000	-28.036	.000	-2.037	-2.949
VEL-W	.000	.000	.000	.000	.000	.000	.000	33.137	.000	4.670

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.249	.250	.335	.252	.546	.250	.000	.000	.000	.000
ELEVATION	1345.249	1371.250	1345.335	1370.252	1370.546	1376.250	1380.000	1387.000	1380.000	1378.000
VEL-N	2.949	.000	.000	.000	.426	.000	.000	.000	.000	.000
VEL-E	-3.624	.000	.000	-.478	-.550	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.426	.000	.000	.000	.000	.000	.000
VEL-W	4.474	.000	3.178	.000	.346	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.250	.250	.250	.424	.621	1.115	.238	31.887	33.974	.000
ELEVATION	1374.250	1370.250	1365.250	1335.424	1320.621	1316.115	1310.239	231.887	233.974	1376.000
VEL-N	.000	.000	4.079	4.534	3.226	3.924	27.455	28.747	.000	.000
VEL-E	.000	-.346	-1.673	-3.178	.000	-4.474	-4.670	.000	-33.137	.000
VEL-S	.000	.000	.000	-4.079	-4.534	-3.226	-3.924	-27.455	-28.747	.000
VEL-W	.000	.000	.000	.000	.000	.000	27.734	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	11.297	.000	.000	.000	.000	.116	.250	.000	.000	.000
ELEVATION	211.297	1330.000	1345.000	1360.000	1371.000	1371.116	1371.250	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-27.734	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	-2.362	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.056	.250	.020	.000	.000	.000	11.311	11.216	.000	.000
ELEVATION	1369.056	1370.250	1370.020	1371.000	1360.000	1330.000	211.311	211.216	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-3.140	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	2.362	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	3.140	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-3.547	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.000	.000	.250	.066	.250	.000
ELEVATION	1358.000	1356.000	1357.000	1349.000	1461.000	1450.000	1446.250	1421.066	1436.250	1438.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.003	.000	.000	.000	.000	11.305	11.151	.000	.000
ELEVATION	1428.000	1425.003	1421.000	1411.000	1415.000	1419.000	211.305	211.151	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	-3.778	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	3.547	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	3.778	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-3.699	3.778	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	11.305	11.146	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	211.305	211.146	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	3.699	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-3.778	3.699	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-3.699	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	3.623	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.027	.000	.154
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.027	1245.000	1566.154
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 1.50 MAX. TIMESTEP(SEC.) = 1.50 MEAN TIMESTEP(SEC.) = 1.50

MODEL TIME(HOURS) = 8.50 (SECONDS) = .306E+05 (TOTAL TIMESTEP NUMBER) = 1.8E+04

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 2866.49

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.360	.250	.250	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.360	1561.250	1558.250	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-2.008	-1.292	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	2.008	1.292	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	6.325	3.338	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.250	.250	.250	.422	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.250	1540.250	1541.250	1542.422	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	-.867	-1.143	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-3.338	-6.325	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.867	1.143	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	3.250	4.551	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.135	.000	.000	.000	.000	.000	.250
ELEVATION	1360.000	1369.000	1368.000	1365.135	1365.000	1363.000	1361.000	1358.000	1523.000	1521.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.583
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.592	.251	.268	.249	.000	.000	.000	.000	.249	.250
ELEVATION	1521.592	1522.251	1520.268	1521.250	1525.000	1525.000	1510.000	1506.000	1502.249	1515.250
VEL-N	.583	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-4.551	-3.250	.000	.000	.000	.000	.000	.000	.000	-1.988
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	3.942	.000	1.988	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50

DEPTH	.249	.311	.250	.248	.250	.250	.000	.000	.000	.000
ELEVATION	1505.249	1503.311	1501.250	1499.248	1498.250	1495.250	1359.000	1359.000	1349.000	1349.000
VEL-N	1.040	1.344	.000	.745	.000	.000	.000	.000	.000	.000
VEL-E	.000	-3.942	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	-1.040	-1.344	.000	-.745	.000	.000	.000	.000	.000
VEL-W	3.249	5.012	.000	3.576	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.248	.251	.249	.327	.250	.249	.248	.250	.000
ELEVATION	1350.000	1477.248	1476.251	1478.249	1478.327	1486.250	1482.249	1487.248	1478.250	1494.000
VEL-N	.000	.000	.000	1.054	.264	.000	.000	.000	.000	.000
VEL-E	.000	.000	-3.576	.000	-5.012	-3.249	.000	.000	.000	.000
VEL-S	.000	.000	-1.054	-.264	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	3.414	3.335	5.084	.000	3.469	.000	1.389	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.250	.250	.251	.248	.323	.251	.251	.250
ELEVATION	1496.000	1476.000	1473.250	1470.250	1466.251	1466.248	1461.323	1458.251	1455.251	1454.250
VEL-N	.000	.000	.000	.000	.000	.000	1.664	1.291	.000	.000
VEL-E	.000	.000	-1.389	.000	-3.469	.000	-5.084	-3.335	-3.414	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-1.664	-1.291	.000
VEL-W	.000	.000	.000	.000	.000	.000	4.019	3.167	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.349	1.341	.250	.251	.301
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.349	1432.341	1435.250	1440.251	1445.301
VEL-N	.000	.000	.000	.000	.000	.000	.000	1.275	1.672	1.789
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	-3.167	-4.019
VEL-S	.000	.000	.000	.000	.000	.000	-1.275	-1.672	-1.789	-1.283
VEL-W	.000	.000	.000	.000	.000	.000	.486	2.778	3.245	2.983

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.249	.250	.250	.250	.250	.250	.250	.250	.250	.250
ELEVATION	1448.249	1446.250	1449.250	1452.250	1457.250	1442.250	1436.250	1432.250	1432.250	1431.250
VEL-N	1.283	-1.057	.000	.000	.000	.000	.000	.000	.000	1.830
VEL-E	.000	.000	.000	.000	.000	.000	.000	-2.793	-2.982	-2.983
VEL-S	1.057	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	2.982	2.793	.000	.000	.000	.000	.000	2.407	.000	3.413

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.251	.430	.249	.000	.000	11.355	.000	.000	.000	.000
ELEVATION	1425.251	1421.430	1432.249	1440.000	1363.000	211.355	1305.000	1270.000	1260.000	1430.000
VEL-N	1.460	-2.454	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-2.895	-2.778	-.486	.000	.000	3.339	.000	.000	.000	.000
VEL-S	-1.830	-1.460	2.454	.000	.000	.000	.000	.000	.000	.000
VEL-W	3.100	3.270	1.430	.000	.000	2.412	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.247	.259	.289	.250	.250	.249	.251	.249	.099	.250
ELEVATION	1429.247	1411.259	1411.289	1414.250	1413.250	1415.249	1417.251	1423.249	1410.099	1405.250
VEL-N	.000	.000	.172	.000	.000	.000	.000	.000	.000	.000
VEL-E	-1.430	-3.270	-3.100	-3.413	.000	.000	-2.407	.000	.000	.000
VEL-S	.000	-.172	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	4.840	2.893	.000	.000	.000	.000	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.249	.250	.250	.250	.584	.246	.962	.000	.000	.000
ELEVATION	1403.249	1396.250	1398.250	1400.250	1385.584	1400.246	1388.962	1265.000	1260.000	1258.000
VEL-N	.000	-1.055	.000	.000	-3.575	3.137	.000	.000	.000	.000
VEL-E	.000	.000	.000	-2.893	-4.840	.000	.000	.000	.000	.000

VEL-S	.000	.000	1.055	.000	.000	3.575	-3.137	.000	.000	.000
VEL-W	.000	.000	2.641	.000	3.100	4.644	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	11.431	.000	.000	.000	.000	.000	.000	.503
ELEVATION	1260.000	1300.000	211.431	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.503
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-2.412	.000	.000	.000	.000	.000	.000	-4.644
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-2.867
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	3.807

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.483	.249	.277	.250	.389	2.398	.000	.000	.250	.355
ELEVATION	1380.483	1385.249	1380.277	1385.250	1385.389	1385.398	1402.000	1391.000	1384.250	1371.355
VEL-N	2.867	1.631	-1.388	1.390	.326	.236	.000	.000	.000	.821
VEL-E	-3.100	.000	-2.641	.000	.000	.000	.000	.000	-.936	-2.323
VEL-S	-1.631	1.388	-1.390	-.326	-.236	.000	.000	.000	.000	.000
VEL-W	1.068	2.359	2.100	2.323	.936	.000	.000	.000	.000	.535

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.260	.251	.250	.250	.250	.000	.000	.000	.000	.000
ELEVATION	1370.260	1375.251	1379.250	1363.250	1350.250	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	.000	.000	2.990	.000	.000	.000	.000	.000	.000
VEL-E	-2.100	-2.359	-1.068	-3.807	.000	.000	.000	.000	.000	.000
VEL-S	-.821	.000	.000	.000	-2.990	.000	.000	.000	.000	.000
VEL-W	.413	.000	.000	3.519	3.613	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	32.274	34.509	.240	.250
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	232.274	234.509	1330.240	1335.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	-26.372	.000	2.057
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-3.613
VEL-S	.000	.000	.000	.000	.000	.000	26.372	.000	-2.057	-2.953
VEL-W	.000	.000	.000	.000	.000	.000	.000	-31.096	.000	4.633

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.250	.248	.323	.250	.529	.250	.000	.000	.000	.000
ELEVATION	1345.250	1371.248	1345.323	1370.250	1370.529	1376.250	1380.000	1387.000	1380.000	1378.000
VEL-N	2.953	.000	.000	4.658	.406	1.117	.000	.000	.000	.000
VEL-E	-3.519	.000	.000	-.413	-.535	.000	.000	.000	.000	.000
VEL-S	.000	.000	-4.658	-.406	-1.117	.000	.000	.000	.000	.000
VEL-W	4.487	.000	3.093	1.853	.330	.754	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.250	.250	.251	.408	.599	1.068	.251	33.720	31.390	.000
ELEVATION	1374.250	1370.250	1365.251	1335.408	1320.599	1316.068	1310.251	233.720	231.390	1376.000
VEL-N	.000	1.389	.000	4.431	3.158	3.805	.000	-26.704	.000	.000
VEL-E	-.754	-.330	-1.644	-3.093	.000	-4.487	-4.633	.000	31.096	.000
VEL-S	.000	.000	-1.389	.000	-4.431	-3.158	-3.805	.000	26.704	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	11.410	.000	.000	.000	.000	.121	.250	.000	.000	.000
ELEVATION	211.410	1330.000	1345.000	1360.000	1371.000	1371.121	1371.250	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	2.314	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210

DEPTH	.061	.249	.022	.000	.000	.000	11.365	11.477	.000	.000
ELEVATION	1369.061	1370.249	1370.022	1371.000	1360.000	1330.000	211.365	211.477	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	2.693	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-2.314	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-2.693	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	3.516	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.000	.000	.249	.079	.250	.000
ELEVATION	1358.000	1356.000	1357.000	1349.000	1461.000	1450.000	1446.249	1421.079	1436.250	1438.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.006	.000	.000	.000	.000	11.348	11.513	.000	.000
ELEVATION	1428.000	1425.006	1421.000	1411.000	1415.000	1419.000	211.348	211.513	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	3.465	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-3.516	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-3.465	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	3.516	-3.465	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	11.348	11.508	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	211.348	211.508	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-3.516	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	3.465	-3.516	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	3.516	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	-3.339	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.033	.000	.154
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.033	1245.000	1566.154
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 1.00 MAX. TIMESTEP(SEC.) = 1.50 MEAN TIMESTEP(SEC.) = 1.49

MODEL TIME(HOURS) = 8.75 (SECONDS) = .315E+05 (TOTAL TIMESTEP NUMBER) = 2.0E+04

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 2613.03

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.339	.250	.249	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.339	1561.250	1558.250	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-1.957	-1.291	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.957	1.291	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	6.078	3.335	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.250	.249	.251	.397	.000	.000

ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.250	1540.249	1541.251	1542.397	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	.000	-1.102	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-3.335	-6.078	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	1.102	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	4.368	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.148	.000	.000	.000	.000	.000	.250
ELEVATION	1360.000	1369.000	1368.000	1365.148	1365.000	1363.000	1361.000	1358.000	1523.000	1521.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.541
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.560	.250	.252	.249	.000	.000	.000	.000	.250	.249
ELEVATION	1521.560	1522.250	1520.251	1521.250	1525.000	1525.000	1510.000	1506.000	1502.250	1515.249
VEL-N	.541	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-4.368	.000	.000	.000	.000	.000	.000	.000	.000	-1.942
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	3.792	.000	1.942	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.249	.293	.249	.249	.248	.250	.000	.000	.000	.000
ELEVATION	1505.250	1503.293	1501.249	1499.249	1498.248	1495.250	1359.000	1359.000	1349.000	1349.000
VEL-N	1.046	1.307	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	-3.792	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	-1.046	-1.307	.000	.000	.000	.000	.000	.000	.000
VEL-W	3.251	4.814	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.250	.250	.249	.306	.250	.249	.248	.250	.000
ELEVATION	1350.000	1477.250	1476.250	1478.249	1478.306	1486.250	1482.249	1487.248	1478.250	1494.000
VEL-N	.000	.000	.000	1.054	.220	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-4.814	-3.251	.000	.000	.000	.000
VEL-S	.000	.000	-1.054	-.220	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	3.337	4.886	.000	3.468	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.249	.249	.250	.249	.313	.252	.250	.250
ELEVATION	1496.000	1476.000	1473.249	1470.249	1466.250	1466.250	1461.313	1458.252	1455.250	1454.250
VEL-N	.000	.000	.000	.000	.000	.000	1.644	1.296	.747	.000
VEL-E	.000	.000	.000	.000	-3.468	.000	-4.886	-3.337	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-1.644	-1.296	-.747
VEL-W	.000	.000	.000	.000	3.337	.000	3.829	3.175	3.335	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.338	1.330	.251	.252	.266
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.338	1432.330	1435.251	1440.252	1445.266
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	1.669	1.709
VEL-E	.000	.000	.000	.000	.000	.000	.000	-3.335	-3.175	-3.829
VEL-S	.000	.000	.000	.000	.000	.000	.000	-1.669	-1.709	.000
VEL-W	.000	.000	.000	.000	.000	.000	.456	.000	3.251	2.848

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.249	.251	.249	.249	.250	.250	.251	.251	.249	.251
ELEVATION	1448.249	1446.251	1449.249	1452.249	1457.250	1442.250	1436.251	1432.251	1432.249	1431.250
VEL-N	.000	.000	1.076	.000	.000	1.305	.000	.000	.000	.000
VEL-E	.000	-3.337	.000	.000	.000	.000	-1.919	-2.794	.000	-2.848
VEL-S	.000	-1.076	.000	.000	.000	.000	-1.305	.000	.000	.000

VEL-W	.000	2.794	1.919	.000	.000	1.666	.000	2.411	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.250	.408	.249	.000	.000	11.626	.000	.000	.000	.000
EVATION	1425.250	1421.408	1432.249	1440.000	1363.000	211.626	1305.000	1270.000	1260.000	1430.000
VEL-N	.000	-2.457	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-2.891	.000	-.456	.000	.000	-3.521	.000	.000	.000	.000
VEL-S	.000	.000	2.457	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	3.179	1.435	.000	.000	-2.473	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.250	.251	.266	.248	.250	.249	.251	.249	.105	.250
ELEVATION	1429.250	1411.251	1411.266	1414.248	1413.250	1415.249	1417.251	1423.249	1410.105	1405.250
VEL-N	.000	.000	.119	1.612	-.829	1.054	.880	.000	.000	.878
VEL-E	-1.435	-3.179	.000	.000	.000	.000	-2.411	.000	.000	-1.848
VEL-S	.000	-.119	-1.612	.829	-1.054	-.880	.000	.000	.000	.000
VEL-W	.000	4.740	2.806	3.312	.000	2.577	1.848	.000	.000	2.773

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.250	.250	.250	.250	.554	.248	.981	.000	.000	.000
ELEVATION	1403.250	1396.250	1398.250	1400.250	1385.554	1400.248	1388.981	1265.000	1260.000	1258.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-2.577	.000	-3.312	-2.806	-4.740	.000	.000	.000	.000	.000
VEL-S	-.878	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	2.993	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	11.545	.000	.000	.000	.000	.000	.000	.472
ELEVATION	1260.000	1300.000	211.545	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.472
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	2.473	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-2.770
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	3.702

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.458	.249	.263	.249	.372	2.382	.000	.000	.249	.342
ELEVATION	1380.458	1385.249	1380.263	1385.249	1385.372	1385.382	1402.000	1391.000	1384.249	1371.342
VEL-N	2.770	1.636	-1.391	1.388	.301	.237	.000	.000	2.233	.794
VEL-E	-2.993	.000	.000	.000	.000	-2.773	.000	.000	-.913	-2.318
VEL-S	-1.636	1.391	-1.388	-.301	-.237	.000	.000	.000	.000	-2.233
VEL-W	1.033	2.357	2.032	2.318	.913	.000	.000	.000	1.756	.521

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.260	.250	.250	.250	.250	.000	.000	.000	.000	.000
ELEVATION	1370.260	1375.250	1379.250	1363.250	1350.250	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	.000	.000	2.987	.000	.000	.000	.000	.000	.000
VEL-E	-2.032	-2.357	-1.033	-3.702	.000	.000	.000	.000	.000	.000
VEL-S	-.794	.000	.000	.000	-2.987	.000	.000	.000	.000	.000
VEL-W	.428	.000	.000	3.515	3.610	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	34.175	31.744	.238	.250
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	234.175	231.744	1330.238	1335.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	27.569	.000	2.052
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-3.610
VEL-S	.000	.000	.000	.000	.000	.000	-27.569	.000	-2.052	-2.953
VEL-W	.000	.000	.000	.000	.000	.000	.000	32.057	.000	4.576

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.249	.249	.309	.250	.513	.250	.000	.000	.000	.000

ELEVATION	1345.250	1371.249	1345.308	1370.250	1370.513	1376.250	1380.000	1387.000	1380.000	1378.000
VEL-N	2.953	.000	.000	4.658	.389	.000	.000	.000	.000	.000
VEL-E	-3.515	.000	.000	-.428	-.521	-1.756	.000	.000	.000	.000
VEL-S	.000	.000	-4.658	-.389	.000	.000	.000	.000	.000	.000
VEL-W	4.490	.000	2.999	1.854	.317	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.249	.250	.250	.395	.576	1.022	.241	32.682	35.008	.000
ELEVATION	1374.249	1370.250	1365.250	1335.395	1320.576	1316.022	1310.241	232.682	235.008	1376.000
VEL-N	1.065	1.389	4.079	4.321	3.086	3.685	.000	27.334	.000	.000
VEL-E	.000	-.317	-1.620	-2.999	.000	-4.490	-4.576	.000	-32.057	.000
VEL-S	.000	-1.065	-1.389	-4.079	-4.321	-3.086	-3.685	.000	-27.334	.000
VEL-W	1.076	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	11.615	.000	.000	.000	.000	.125	.250	.000	.000	.000
ELEVATION	211.615	1330.000	1345.000	1360.000	1371.000	1371.125	1371.250	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-1.076	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	-2.116	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.066	.249	.023	.000	.000	.000	11.642	11.537	.000	.000
ELEVATION	1369.066	1370.249	1370.023	1371.000	1360.000	1330.000	211.642	211.537	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-3.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	2.116	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	3.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-3.487	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.000	.000	.249	.093	.250	.000
ELEVATION	1358.000	1356.000	1357.000	1349.000	1461.000	1450.000	1446.249	1421.093	1436.250	1438.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	1.252	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.666	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-1.252	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.895	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.008	.000	.000	.000	.000	11.642	11.472	.000	.000
ELEVATION	1428.000	1425.009	1421.000	1411.000	1415.000	1419.000	211.642	211.472	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	-3.671	.000	.000	.000
VEL-E	.000	-.895	.000	.000	.000	.000	.000	3.487	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	3.671	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-3.611	3.671	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	11.642	11.469	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	211.642	211.469	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	3.611	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-3.671	3.611	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-3.611	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	3.521	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.039	.000	.154
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.039	1245.000	1566.154
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 1.00 MAX. TIMESTEP(SEC.) = 1.50 MEAN TIMESTEP(SEC.) = 1.34

MODEL TIME(HOURS) = 9.00 (SECONDS) = .324E+05 (TOTAL TIMESTEP NUMBER) = 2.1E+04

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 2359.89

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.317	.250	.249	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.317	1561.250	1558.249	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-1.900	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.900	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	5.815	.000	3.678	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.250	.251	.249	.370	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.250	1540.251	1541.249	1542.370	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	-.867	-1.060	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-3.678	.000	-5.815	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.867	1.060	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	3.252	4.174	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.160	.000	.000	.000	.000	.000	.250
ELEVATION	1360.000	1369.000	1368.000	1365.160	1365.000	1363.000	1361.000	1358.000	1523.000	1521.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.497
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.527	.250	.251	.249	.000	.000	.000	.000	.250	.250
ELEVATION	1521.527	1522.250	1520.250	1521.250	1525.000	1525.000	1510.000	1506.000	1502.250	1515.250
VEL-N	.497	.529	-1.055	.000	.000	.000	.000	.000	.000	.000
VEL-E	-4.174	-3.252	.000	.000	.000	.000	.000	.000	.000	-1.938
VEL-S	-.529	1.055	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	3.635	3.075	1.938	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.250	.274	.249	.249	.249	.250	.000	.000	.000	.000
ELEVATION	1505.250	1503.274	1501.249	1499.249	1498.249	1495.250	1359.000	1359.000	1349.000	1349.000
VEL-N	1.049	1.272	1.225	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.075	-3.635	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	-1.049	-1.272	-1.225	.000	.000	.000	.000	.000	.000
VEL-W	3.251	4.605	4.153	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.249	.249	.250	.288	.249	.251	.250	.250	.000
ELEVATION	1350.000	1477.249	1476.249	1478.250	1478.288	1486.249	1482.250	1487.250	1478.250	1494.000
VEL-N	.000	.000	.000	.000	.179	2.449	-1.735	.000	.000	.000
VEL-E	.000	.000	.000	-4.153	-4.605	-3.251	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.179	-2.449	1.735	.000	.000	.000	.000
VEL-W	.000	.000	3.421	.000	4.687	3.336	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.249	.249	.249	.251	.295	.250	.251	.249
ELEVATION	1496.000	1476.000	1473.249	1470.249	1466.249	1466.251	1461.295	1458.250	1455.251	1454.249
VEL-N	.000	.000	.000	.000	.000	.000	1.606	1.294	.746	.000
VEL-E	.000	.000	.000	.000	.000	-3.336	-4.687	.000	-3.421	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-1.606	-1.294	-.746
VEL-W	.000	.000	.000	.000	3.334	.000	3.685	3.173	3.334	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.327	1.320	.251	.251	.251
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.327	1432.320	1435.251	1440.251	1445.251
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	1.669	1.672
VEL-E	.000	.000	.000	.000	.000	.000	.000	-3.334	-3.173	-3.685
VEL-S	.000	.000	.000	.000	.000	.000	.000	-1.669	-1.672	.000
VEL-W	.000	.000	.000	.000	.000	.000	.425	.000	3.250	2.791

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.249	.251	.250	.250	.250	.250	.249	.250	.249	.250
ELEVATION	1448.249	1446.251	1449.250	1452.250	1457.250	1442.250	1436.249	1432.250	1432.249	1431.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	-3.334	.000	.000	.000	.000	.000	.000	.000	-2.791
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.250	.376	.250	.000	.000	11.659	.000	.000	.000	.000
ELEVATION	1425.250	1421.376	1432.250	1440.000	1363.000	211.659	1305.000	1270.000	1260.000	1430.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-2.889	.000	-.425	.000	.000	3.567	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	3.067	.000	.000	.000	2.566	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.249	.250	.251	.249	.250	.249	.249	.249	.110	.250
ELEVATION	1429.249	1411.250	1411.251	1414.249	1413.250	1415.249	1417.249	1423.249	1410.110	1405.250
VEL-N	.000	.000	.000	1.619	-.830	1.054	.879	.000	.000	.000
VEL-E	.000	-3.067	.000	.000	.000	.000	.000	.000	.000	-1.845
VEL-S	.000	.000	-1.619	.830	-1.054	-.879	.000	.000	.000	.000
VEL-W	.000	4.733	2.753	3.318	.000	2.583	1.845	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.249	.251	.251	.249	.522	.248	.998	.000	.000	.000
ELEVATION	1403.249	1396.251	1398.251	1400.249	1385.522	1400.248	1388.998	1265.000	1260.000	1258.000
VEL-N	1.973	.000	-1.055	3.184	.000	.000	.000	.000	.000	.000
VEL-E	-2.583	.000	-3.318	-2.753	-4.733	.000	.000	.000	.000	.000
VEL-S	.000	-1.973	.000	1.055	-3.184	.000	.000	.000	.000	.000
VEL-W	3.157	.000	.000	2.885	2.870	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	11.742	.000	.000	.000	.000	.000	.000	.432
ELEVATION	1260.000	1300.000	211.742	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.432
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-2.566	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-2.658
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	3.558

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.430	.250	.250	.250	.353	2.363	.000	.000	.250	.322
ELEVATION	1380.430	1385.250	1380.250	1385.250	1385.353	1385.363	1402.000	1391.000	1384.250	1371.322

VEL-N	2.658	.000	.000	.000	.270	.247	.000	.000	.000	.759
VEL-E	-2.870	-2.885	.000	.000	-3.157	.000	.000	.000	-.886	.000
VEL-S	.000	.000	.000	-.270	-.247	.000	.000	.000	.000	.000
VEL-W	.994	.000	.000	.000	.886	.000	.000	.000	.000	.502

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.261	.248	.250	.252	.249	.000	.000	.000	.000	.000
ELEVATION	1370.261	1375.248	1379.250	1363.252	1350.249	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-.994	-3.558	.000	.000	.000	.000	.000	.000
VEL-S	-.759	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	3.612	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	33.040	35.462	.247	.250
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	233.040	235.462	1330.247	1335.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	-27.997	.000	2.074
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-3.612
VEL-S	.000	.000	.000	.000	.000	.000	27.997	.000	-2.074	-2.953
VEL-W	.000	.000	.000	.000	.000	.000	.000	-32.969	.000	4.572

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.249	.248	.291	.249	.496	.249	.000	.000	.000	.000
ELEVATION	1345.249	1371.248	1345.291	1370.249	1370.496	1376.249	1380.000	1387.000	1380.000	1378.000
VEL-N	2.953	.000	.000	4.672	.371	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-.502	.000	.000	.000	.000	.000
VEL-S	.000	.000	-4.672	-.371	.000	.000	.000	.000	.000	.000
VEL-W	4.498	.000	2.881	1.855	.302	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.249	.250	.251	.377	.553	.975	.241	34.613	32.077	.000
ELEVATION	1374.249	1370.250	1365.251	1335.377	1320.553	1315.975	1310.241	234.613	232.077	1376.000
VEL-N	1.066	1.389	.000	4.204	3.010	3.577	.000	-28.259	.000	.000
VEL-E	.000	-.302	-1.593	-2.881	.000	-4.498	-4.572	.000	32.969	.000
VEL-S	.000	-1.066	-1.389	.000	-4.204	-3.010	-3.577	.000	28.259	.000
VEL-W	1.076	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	11.717	.000	.000	.000	.000	.129	.250	.000	.000	.000
ELEVATION	211.717	1330.000	1345.000	1360.000	1371.000	1371.129	1371.250	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-1.076	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	2.662	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.070	.250	.024	.000	.000	.000	11.664	11.787	.000	.000
ELEVATION	1369.070	1370.250	1370.024	1371.000	1360.000	1330.000	211.664	211.787	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	2.958	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-2.662	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-2.958	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	3.718	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.000	.000	.250	.104	.250	.000
ELEVATION	1358.000	1356.000	1357.000	1349.000	1461.000	1450.000	1446.250	1421.104	1436.250	1438.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.011	.000	.000	.000	.000	11.649	11.830	.000	.000
ELEVATION	1428.000	1425.011	1421.000	1411.000	1415.000	1419.000	211.649	211.830	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	3.702	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-3.718	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-3.702	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	3.740	-3.702	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	11.649	11.825	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	211.649	211.825	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-3.740	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	3.702	-3.740	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	3.740	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	-3.567	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.045	.000	.154
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.045	1245.000	1566.154
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 1.00 MAX. TIMESTEP(SEC.) = 1.50 MEAN TIMESTEP(SEC.) = 1.33

MODEL TIME(HOURS) = 9.25 (SECONDS) = .333E+05 (TOTAL TIMESTEP NUMBER) = 2.2E+04

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 2261.56

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.307	.250	.249	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.307	1561.250	1558.249	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-1.876	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.876	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	5.692	.000	3.675	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.250	.251	.250	.356	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.250	1540.251	1541.250	1542.356	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	-.868	-1.037	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-3.675	.000	-5.692	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.868	1.037	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	3.256	4.065	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.172	.000	.000	.000	.000	.000	.249
ELEVATION	1360.000	1369.000	1368.000	1365.172	1365.000	1363.000	1361.000	1358.000	1523.000	1521.249
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.469
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.505	.250	.251	.249	.000	.000	.000	.000	.249	.250
ELEVATION	1521.505	1522.250	1520.251	1521.250	1525.000	1525.000	1510.000	1506.000	1502.249	1515.250
VEL-N	.469	.537	-1.056	.000	.000	.000	.000	.000	.000	.000
VEL-E	-4.065	-3.256	.000	.000	.000	.000	.000	.000	.000	-1.940
VEL-S	-.537	1.056	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	3.523	3.076	1.940	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.251	.259	.250	.249	.250	.250	.000	.000	.000	.000
ELEVATION	1505.251	1503.259	1501.250	1499.249	1498.250	1495.250	1359.000	1359.000	1349.000	1349.000
VEL-N	.000	1.246	1.227	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.076	-3.523	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	-1.246	-1.227	.000	.000	.000	.000	.000	.000
VEL-W	.000	4.442	4.159	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.248	.250	.250	.277	.249	.250	.249	.250	.000
ELEVATION	1350.000	1477.249	1476.250	1478.250	1478.277	1486.249	1482.250	1487.249	1478.250	1494.000
VEL-N	.000	.000	.000	.000	.151	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-4.159	-4.442	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.151	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	4.511	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.250	.250	.249	.250	.266	.250	.250	.249
ELEVATION	1496.000	1476.000	1473.250	1470.250	1466.249	1466.250	1461.266	1458.250	1455.250	1454.249
VEL-N	.000	.000	.000	.000	.000	.000	1.540	1.294	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-4.511	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-1.540	-1.294	.000
VEL-W	.000	.000	.000	.000	.000	.000	3.544	3.167	.000	3.493

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.317	1.310	.249	.251	.250
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.317	1432.310	1435.249	1440.251	1445.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	1.281	.000	1.666
VEL-E	.000	.000	.000	.000	.000	.000	-3.493	.000	-3.167	-3.544
VEL-S	.000	.000	.000	.000	.000	.000	-1.281	.000	-1.666	.000
VEL-W	.000	.000	.000	.000	.000	.000	.384	2.785	.000	2.791

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.249	.250	.249	.250	.249	.250	.250	.251	.249	.249
ELEVATION	1448.249	1446.250	1449.249	1452.250	1457.249	1442.250	1436.250	1432.251	1432.249	1431.249
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.826
VEL-E	.000	.000	.000	.000	.000	.000	.000	-2.795	.000	-2.791
VEL-S	.000	.000	.000	.000	.000	-.932	.000	.000	.000	.000
VEL-W	.000	2.795	.000	.000	.000	.000	.000	2.408	.000	3.416

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.249	.345	.249	.000	.000	11.917	.000	.000	.000	.000
ELEVATION	1425.249	1421.345	1432.249	1440.000	1363.000	211.917	1305.000	1270.000	1260.000	1430.000
VEL-N	1.476	-2.463	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	-2.785	-.384	.000	.000	-3.722	.000	.000	.000	.000
VEL-S	-1.826	-1.476	2.463	.000	.000	.000	.000	.000	.000	.000
VEL-W	3.104	2.956	1.431	.000	.000	-2.622	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.248	.251	.252	.250	.249	.250	.250	.250	.115	.250
ELEVATION	1429.248	1411.251	1411.252	1414.250	1413.249	1415.250	1417.250	1423.250	1410.115	1405.250
VEL-N	.000	.000	.000	1.617	-.829	.000	.879	.000	.000	.879

VEL-E	-1.431	-2.956	-3.104	-3.416	.000	.000	-2.408	.000	.000	-1.846
VEL-S	.000	.000	-1.617	.829	.000	-.879	.000	.000	.000	.000
VEL-W	.000	4.744	2.752	3.311	3.076	.000	1.846	.000	.000	2.775

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.250	.252	.250	.248	.493	.247	1.015	.000	.000	.000
ELEVATION	1403.250	1396.252	1398.250	1400.249	1385.493	1400.247	1389.015	1265.000	1260.000	1258.000
VEL-N	.000	.000	-1.053	3.184	.000	.000	.000	.000	.000	.000
VEL-E	.000	-3.076	-3.311	-2.752	-4.744	.000	.000	.000	.000	.000
VEL-S	-.879	.000	.000	1.053	-3.184	.000	.000	.000	.000	.000
VEL-W	.000	2.483	.000	2.887	2.768	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	11.829	.000	.000	.000	.000	.000	.000	.388
ELEVATION	1260.000	1300.000	211.829	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.388
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	2.622	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-2.537
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	3.401

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.410	.251	.251	.251	.336	2.347	.000	.000	.250	.308
ELEVATION	1380.410	1385.251	1380.251	1385.250	1385.336	1385.347	1402.000	1391.000	1384.250	1371.308
VEL-N	2.537	.000	.000	1.392	.243	.000	.000	.000	.000	.730
VEL-E	-2.768	-2.887	.000	-2.483	.000	-2.775	.000	.000	-.865	-2.325
VEL-S	.000	.000	-1.392	-.243	.000	.000	.000	.000	.000	.000
VEL-W	.966	.000	1.971	2.325	.865	.000	.000	.000	.000	.487

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.259	.249	.250	.250	.250	.000	.000	.000	.000	.000
ELEVATION	1370.259	1375.249	1379.250	1363.250	1350.250	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	.000	.000	2.988	.000	.000	.000	.000	.000	.000
VEL-E	-1.971	.000	-.966	-3.401	.000	.000	.000	.000	.000	.000
VEL-S	-.730	.000	.000	.000	-2.988	.000	.000	.000	.000	.000
VEL-W	.456	.000	.000	3.518	.000	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	34.999	32.375	.244	.248
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	234.999	232.375	1330.244	1335.248
VEL-N	.000	.000	.000	.000	.000	.000	.000	29.068	.000	2.069
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-29.068	.000	-2.069	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	33.782	.000	4.640

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.251	.247	.273	.250	.480	.250	.000	.000	.000	.000
ELEVATION	1345.251	1371.247	1345.273	1370.250	1370.480	1376.250	1380.000	1387.000	1380.000	1378.000
VEL-N	.000	.000	.000	.000	.355	.000	.000	.000	.000	.000
VEL-E	-3.518	.000	.000	-.456	-.487	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.355	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	2.774	.000	.288	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.250	.250	.250	.362	.528	.920	.251	33.384	35.891	.000
ELEVATION	1374.250	1370.250	1365.250	1335.362	1320.528	1315.920	1310.251	233.384	235.891	1376.000
VEL-N	.000	1.389	4.078	4.084	2.927	3.473	.000	28.725	.000	.000
VEL-E	.000	-.288	-1.568	-2.774	.000	.000	-4.640	.000	-33.782	.000
VEL-S	.000	.000	-1.389	-4.078	-4.084	-2.927	-3.473	.000	-28.725	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	11.896	.000	.000	.000	.000	.133	.250	.000	.000	.000
ELEVATION	211.896	1330.000	1345.000	1360.000	1371.000	1371.133	1371.250	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	-2.460	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.074	.250	.026	.000	.000	.000	11.932	11.815	.000	.000
ELEVATION	1369.074	1370.250	1370.026	1371.000	1360.000	1330.000	211.932	211.815	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-3.179	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	2.460	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	3.179	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-3.699	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.000	.000	.249	.115	.250	.000
ELEVATION	1358.000	1356.000	1357.000	1349.000	1461.000	1450.000	1446.250	1421.115	1436.250	1438.000
VEL-N	.000	.000	.000	.000	.000	.000	.932	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	-1.310	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	1.310	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.013	.000	.000	.000	.000	11.933	11.748	.000	.000
ELEVATION	1428.000	1425.013	1421.000	1411.000	1415.000	1419.000	211.933	211.748	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	-3.877	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	3.699	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	3.877	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-3.828	3.877	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	11.933	11.746	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	211.933	211.746	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	3.828	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-3.877	3.828	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-3.828	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	3.722	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.049	.000	.154
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.049	1245.000	1566.154
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 1.00 MAX. TIMESTEP(SEC.) = 1.50 MEAN TIMESTEP(SEC.) = 1.33

MODEL TIME(HOURS) = 9.50 (SECONDS) = .342E+05 (TOTAL TIMESTEP NUMBER) = 2.4E+04

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 2163.24

NODE	1	2	3	4	5	6	7	8	9	10

DEPTH	.000	.000	.000	.000	.000	.000	.298	.250	.249	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.298	1561.250	1558.249	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-1.853	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.853	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	5.581	.000	3.678	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.250	.252	.251	.345	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.250	1540.252	1541.251	1542.345	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	-.870	-1.020	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-3.678	.000	-5.581	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.870	1.020	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	3.256	3.982	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.183	.000	.000	.000	.000	.000	.250
ELEVATION	1360.000	1369.000	1368.000	1365.183	1365.000	1363.000	1361.000	1358.000	1523.000	1521.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.449
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.491	.251	.250	.249	.000	.000	.000	.000	.250	.251
ELEVATION	1521.491	1522.251	1520.250	1521.250	1525.000	1525.000	1510.000	1506.000	1502.250	1515.250
VEL-N	.449	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.982	-3.256	.000	.000	.000	.000	.000	.000	.000	-1.939
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	3.456	.000	1.939	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.250	.251	.250	.250	.249	.250	.000	.000	.000	.000
ELEVATION	1505.250	1503.251	1501.250	1499.250	1498.249	1495.250	1359.000	1359.000	1349.000	1349.000
VEL-N	.000	1.228	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	-3.456	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	-1.228	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	4.350	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.250	.249	.249	.277	.250	.249	.250	.250	.000
ELEVATION	1350.000	1477.250	1476.250	1478.249	1478.277	1486.250	1482.249	1487.250	1478.250	1494.000
VEL-N	.000	.000	.000	.000	.152	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-4.350	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.152	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	4.428	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.249	.249	.249	.250	.252	.250	.249	.250
ELEVATION	1496.000	1476.000	1473.249	1470.249	1466.249	1466.250	1461.252	1458.250	1455.249	1454.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	1.294	.746	.000
VEL-E	.000	.000	.000	.000	.000	.000	-4.428	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	-1.294	-.746
VEL-W	.000	.000	.000	.000	.000	.000	.000	3.174	3.330	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.310	1.301	.251	.251	.248
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.310	1432.301	1435.251	1440.251	1445.249
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	1.668	1.668
VEL-E	.000	.000	.000	.000	.000	.000	.000	-3.330	-3.174	.000

VEL-S	.000	.000	.000	.000	.000	.000	.000	-1.668	-1.668	.000
VEL-W	.000	.000	.000	.000	.000	.000	.360	.000	3.255	2.791

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.250	.250	.250	.249	.250	.249	.249	.250	.249	.250
ELEVATION	1448.250	1446.250	1449.250	1452.249	1457.250	1442.250	1436.250	1432.250	1432.249	1431.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.825
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-2.791
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	3.415

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.250	.321	.249	.000	.000	11.918	.000	.000	.000	.000
ELEVATION	1425.250	1421.321	1432.249	1440.000	1363.000	211.918	1305.000	1270.000	1260.000	1430.000
VEL-N	.000	-2.466	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-2.888	.000	-.360	.000	.000	3.762	.000	.000	.000	.000
VEL-S	-1.825	.000	2.466	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	2.876	1.431	.000	.000	2.700	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.248	.250	.250	.250	.250	.249	.249	.250	.121	.250
ELEVATION	1429.248	1411.250	1411.250	1414.250	1413.250	1415.249	1417.249	1423.250	1410.120	1405.250
VEL-N	.000	.000	.000	.000	.000	1.054	.879	.000	.000	.000
VEL-E	-1.431	-2.876	.000	-3.415	.000	.000	.000	.000	.000	-1.844
VEL-S	.000	.000	.000	.000	-1.054	-.879	.000	.000	.000	.000
VEL-W	.000	4.737	2.751	.000	.000	2.584	1.844	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.249	.250	.250	.249	.464	.249	1.029	.000	.000	.000
ELEVATION	1403.249	1396.250	1398.250	1400.249	1385.464	1400.249	1389.029	1265.000	1260.000	1258.000
VEL-N	1.972	.000	-1.054	3.188	.000	.000	.000	.000	.000	.000
VEL-E	-2.584	.000	.000	-2.751	-4.737	.000	.000	.000	.000	.000
VEL-S	.000	-1.972	.000	1.054	-3.188	.000	.000	.000	.000	.000
VEL-W	3.159	.000	.000	2.887	2.689	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	12.008	.000	.000	.000	.000	.000	.000	.352
ELEVATION	1260.000	1300.000	212.008	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.352
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-2.700	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-2.452
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	3.264

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.403	.251	.250	.249	.326	2.336	.000	.000	.250	.299
ELEVATION	1380.403	1385.251	1380.250	1385.249	1385.326	1385.336	1402.000	1391.000	1384.250	1371.299
VEL-N	2.452	.000	.000	1.390	.224	.242	.000	.000	.000	.714
VEL-E	-2.689	-2.887	.000	.000	-3.159	.000	.000	.000	-.848	-2.323
VEL-S	.000	.000	-1.390	-.224	-.242	.000	.000	.000	.000	.000
VEL-W	.957	.000	1.967	2.323	.848	.000	.000	.000	.000	.479

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.260	.249	.249	.250	.251	.000	.000	.000	.000	.000
ELEVATION	1370.260	1375.249	1379.249	1363.250	1350.251	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	.000	.000	2.991	.000	.000	.000	.000	.000	.000
VEL-E	-1.967	.000	-.957	-3.264	.000	.000	.000	.000	.000	.000
VEL-S	-.714	.000	.000	.000	-2.991	.000	.000	.000	.000	.000
VEL-W	.458	.000	.000	3.516	3.607	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160

DEPTH	.000	.000	.000	.000	.000	.000	33.692	36.282	.238	.250
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	233.692	236.282	1330.238	1335.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	-29.363	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-3.607
VEL-S	.000	.000	.000	.000	.000	.000	29.363	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	-34.587	.000	.000

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.251	.250	.263	.251	.467	.249	.000	.000	.000	.000
ELEVATION	1345.251	1371.250	1345.263	1370.251	1370.467	1376.249	1380.000	1387.000	1380.000	1378.000
VEL-N	.000	.000	.000	.000	.341	.000	.000	.000	.000	.000
VEL-E	-3.516	.000	.000	-.458	-.479	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.341	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	2.707	.000	.276	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.250	.250	.251	.350	.509	.876	.235	35.379	32.653	.000
ELEVATION	1374.250	1370.250	1365.251	1335.350	1320.509	1315.876	1310.235	235.379	232.653	1376.000
VEL-N	.000	.000	.000	4.002	2.866	3.383	27.365	-29.728	.000	.000
VEL-E	.000	-.276	-1.547	-2.707	.000	.000	.000	.000	34.587	.000
VEL-S	.000	.000	.000	.000	-4.002	-2.866	-3.383	-27.365	29.728	.000
VEL-W	.000	.000	.000	.000	.000	.000	27.641	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	11.980	.000	.000	.000	.000	.136	.250	.000	.000	.000
ELEVATION	211.980	1330.000	1345.000	1360.000	1371.000	1371.136	1371.250	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-27.641	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	2.596	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.078	.249	.027	.000	.000	.000	11.921	12.050	.000	.000
ELEVATION	1369.078	1370.250	1370.027	1371.000	1360.000	1330.000	211.921	212.050	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	3.126	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-2.596	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-3.126	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	3.904	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.000	.000	.250	.127	.250	.000
ELEVATION	1358.000	1356.000	1357.000	1349.000	1461.000	1450.000	1446.250	1421.127	1436.250	1438.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.015	.000	.000	.000	.000	11.907	12.101	.000	.000
ELEVATION	1428.000	1425.015	1421.000	1411.000	1415.000	1419.000	211.907	212.101	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	3.905	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-3.904	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-3.905	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	3.935	-3.905	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	11.907	12.097	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	211.907	212.097	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-3.935	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	3.905	-3.935	.000	.000

VEL-S	.000	.000	.000	.000	.000	.000	3.935	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	-3.762	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.054	.000	.154
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.054	1245.000	1566.154
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 1.00 MAX. TIMESTEP(SEC.) = 1.50 MEAN TIMESTEP(SEC.) = 1.33

MODEL TIME(HOURS) = 9.75 (SECONDS) = .351E+05 (TOTAL TIMESTEP NUMBER) = 2.5E+04

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 2064.98

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.289	.250	.250	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.289	1561.250	1558.250	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-1.832	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.832	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	5.468	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.250	.250	.249	.334	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.250	1540.250	1541.249	1542.334	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	-.867	-1.001	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-5.468	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.867	1.001	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	3.248	3.897	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.194	.000	.000	.000	.000	.000	.250
ELEVATION	1360.000	1369.000	1368.000	1365.194	1365.000	1363.000	1361.000	1358.000	1523.000	1521.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.426
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.473	.250	.250	.249	.000	.000	.000	.000	.250	.247
ELEVATION	1521.473	1522.250	1520.250	1521.250	1525.000	1525.000	1510.000	1506.000	1502.250	1515.247
VEL-N	.426	.000	.000	.000	.000	.000	.000	.000	-2.535	2.744
VEL-E	-3.897	-3.248	.000	.000	.000	.000	.000	.000	.000	-1.942
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	2.535
VEL-W	3.396	.000	1.942	.000	.000	.000	.000	.000	.000	5.949

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.250	.251	.250	.250	.250	.250	.000	.000	.000	.000
ELEVATION	1505.250	1503.251	1501.250	1499.250	1498.250	1495.250	1359.000	1359.000	1349.000	1349.000
VEL-N	1.056	1.226	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	-3.396	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	-2.744	-1.056	-1.226	.000	.000	.000	.000	.000	.000	.000

VEL-W	3.246	4.340	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.250	.250	.249	.267	.249	.252	.250	.250	.000
ELEVATION	1350.000	1477.250	1476.250	1478.249	1478.267	1486.250	1482.252	1487.250	1478.250	1494.000
VEL-N	.000	.000	.000	1.056	.112	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-4.340	-3.246	-5.949	.000	.000	.000
VEL-S	.000	.000	-1.056	-.112	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	3.337	4.377	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.250	.249	.249	.249	.252	.252	.250	.250
ELEVATION	1496.000	1476.000	1473.250	1470.249	1466.249	1466.249	1461.252	1458.251	1455.250	1454.250
VEL-N	.000	.000	.000	.000	.000	.000	1.505	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-4.377	-3.337	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-1.505	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	3.478	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.305	1.295	.250	.249	.250
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.305	1432.295	1435.250	1440.249	1445.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	1.666	1.669
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-3.478
VEL-S	.000	.000	.000	.000	.000	.000	.000	-1.666	-1.669	.000
VEL-W	.000	.000	.000	.000	.000	.000	.338	.000	3.248	2.790

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.249	.250	.250	.249	.250	.249	.250	.249	.249	.251
ELEVATION	1448.249	1446.250	1449.250	1452.250	1457.250	1442.249	1436.250	1432.249	1432.249	1431.251
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.746	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-2.790
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.746
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	3.251	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.251	.303	.249	.000	.000	12.157	.000	.000	.000	.000
ELEVATION	1425.251	1421.303	1432.249	1440.000	1363.000	212.157	1305.000	1270.000	1260.000	1430.000
VEL-N	.000	-2.467	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-2.887	.000	-.338	.000	.000	-2.643	.000	.000	.000	.000
VEL-S	.000	.000	2.467	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	2.809	1.435	.000	.000	-1.861	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.250	.251	.249	.249	.251	.249	.249	.249	.126	.250
ELEVATION	1429.250	1411.251	1411.249	1414.249	1413.251	1415.249	1417.249	1423.249	1410.126	1405.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-1.435	-2.809	.000	.000	-3.251	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	2.746	.000	.000	.000	.000	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.249	.250	.250	.250	.439	.248	1.043	.000	.000	.000
ELEVATION	1403.249	1396.250	1398.250	1400.250	1385.439	1400.248	1389.043	1265.000	1260.000	1258.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-2.746	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	2.476	.000	.000	2.627	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	12.077	.000	.000	.000	.000	.000	.000	.326

ELEVATION	1260.000	1300.000	212.077	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.326
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	1.861	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-2.389
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	3.167

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.398	.249	.250	.251	.318	2.327	.000	.000	.250	.291
ELEVATION	1380.398	1385.249	1380.250	1385.251	1385.318	1385.327	1402.000	1391.000	1384.250	1371.291
VEL-N	2.389	.000	.000	.000	.211	.228	.000	.000	.000	.698
VEL-E	-2.627	.000	.000	-2.476	.000	.000	.000	.000	-.839	.000
VEL-S	.000	.000	.000	-.211	-.228	.000	.000	.000	.000	.000
VEL-W	.949	.000	1.968	.000	.839	.000	.000	.000	.000	.471

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.260	.249	.249	.250	.251	.000	.000	.000	.000	.000
ELEVATION	1370.260	1375.249	1379.249	1363.250	1350.250	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	.000	.000	2.988	.000	.000	.000	.000	.000	.000
VEL-E	-1.968	.000	-.949	-3.167	.000	.000	.000	.000	.000	.000
VEL-S	-.698	.000	.000	.000	-2.988	.000	.000	.000	.000	.000
VEL-W	.460	.000	.000	3.513	.000	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	35.563	33.195	.237	.248
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	235.563	233.195	1330.237	1335.248
VEL-N	.000	.000	.000	.000	.000	.000	.000	20.109	.000	2.049
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-20.109	.000	-2.049	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	24.012	.000	4.579

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.252	.244	.258	.251	.456	.250	.000	.000	.000	.000
ELEVATION	1345.252	1371.244	1345.258	1370.251	1370.456	1376.250	1380.000	1387.000	1380.000	1378.000
VEL-N	.000	4.744	-4.752	.000	.329	.000	.000	.000	.000	.000
VEL-E	-3.513	.000	.000	-.460	-.471	.000	.000	.000	.000	.000
VEL-S	-4.744	4.752	.000	-.329	.000	.000	.000	.000	.000	.000
VEL-W	.000	6.640	2.661	.000	.267	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.250	.250	.250	.343	.498	.845	.241	34.087	36.418	.000
ELEVATION	1374.250	1370.250	1365.250	1335.343	1320.498	1315.845	1310.241	234.087	236.418	1376.000
VEL-N	.000	.000	4.083	3.935	2.822	3.283	.000	21.081	.000	.000
VEL-E	.000	-.267	-1.531	-2.661	-6.640	.000	-4.579	.000	-24.012	.000
VEL-S	.000	.000	.000	-4.083	-3.935	-2.822	-3.283	.000	-21.081	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	12.138	.000	.000	.000	.000	.140	.250	.000	.000	.000
ELEVATION	212.138	1330.000	1345.000	1360.000	1371.000	1371.140	1371.250	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	-1.573	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.081	.250	.028	.000	.000	.000	12.170	12.064	.000	.000
ELEVATION	1369.081	1370.250	1370.028	1371.000	1360.000	1330.000	212.170	212.064	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-2.313	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	1.573	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	2.313	.000	.000

VEL-W	.000	.000	.000	.000	.000	.000	-2.601	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.000	.000	.250	.138	.250	.000
ELEVATION	1358.000	1356.000	1357.000	1349.000	1461.000	1450.000	1446.250	1421.138	1436.250	1438.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.017	.000	.000	.000	.000	12.171	12.002	.000	.000
ELEVATION	1428.000	1425.017	1421.000	1411.000	1415.000	1419.000	212.171	212.002	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	-2.755	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	2.601	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	2.755	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-2.700	2.755	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	12.171	12.000	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	212.171	212.000	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	2.700	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-2.755	2.700	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-2.700	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	2.643	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.059	.000	.154
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.058	1245.000	1566.154
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 1.00 MAX. TIMESTEP(SEC.) = 1.50 MEAN TIMESTEP(SEC.) = 1.25

MODEL TIME(HOURS) = 10.00 (SECONDS) = .360E+05 (TOTAL TIMESTEP NUMBER) = 2.7E+04

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 1966.56

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.280	.250	.250	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.280	1561.250	1558.250	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-1.810	-1.292	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.810	1.292	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	5.350	3.332	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.250	.249	.250	.323	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.250	1540.249	1541.250	1542.323	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	.000	-.982	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-3.332	-5.350	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.982	.000	.000
VEL-W	.000	.000	.000	.000	.000	3.878	.000	3.809	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.205	.000	.000	.000	.000	.000	.249
ELEVATION	1360.000	1369.000	1368.000	1365.205	1365.000	1363.000	1361.000	1358.000	1523.000	1521.249
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.398
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.453	.249	.251	.249	.000	.000	.000	.000	.250	.250
ELEVATION	1521.453	1522.250	1520.251	1521.250	1525.000	1525.000	1510.000	1506.000	1502.250	1515.250
VEL-N	.398	.556	-1.055	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.809	.000	-3.878	.000	.000	.000	.000	.000	.000	.000
VEL-S	-.556	1.055	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	3.327	3.073	.000	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.250	.250	.250	.249	.249	.250	.000	.000	.000	.000
ELEVATION	1505.250	1503.250	1501.250	1499.249	1498.249	1495.250	1359.000	1359.000	1349.000	1349.000
VEL-N	.000	1.225	.000	.745	.000	.000	.000	.000	.000	.000
VEL-E	-3.073	-3.327	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	-1.225	.000	-.745	.000	.000	.000	.000	.000
VEL-W	.000	4.337	.000	3.574	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.249	.251	.250	.259	.249	.249	.249	.250	.000
ELEVATION	1350.000	1477.249	1476.251	1478.250	1478.259	1486.249	1482.249	1487.249	1478.250	1494.000
VEL-N	.000	.000	.000	1.055	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-3.574	.000	-4.337	.000	.000	.000	.000	.000
VEL-S	.000	.000	-1.055	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	3.337	4.331	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.250	.249	.249	.250	.251	.251	.249	.249
ELEVATION	1496.000	1476.000	1473.250	1470.249	1466.249	1466.250	1461.251	1458.251	1455.249	1454.249
VEL-N	.000	.000	.000	.000	.000	.000	1.505	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-4.331	-3.337	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-1.505	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	3.474	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.299	1.292	.249	.249	.251
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.299	1432.292	1435.249	1440.249	1445.251
VEL-N	.000	.000	.000	.000	.000	.000	.000	1.283	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-3.474
VEL-S	.000	.000	.000	.000	.000	.000	-1.283	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.325	2.788	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.249	.250	.249	.250	.249	.250	.250	.250	.249	.248
ELEVATION	1448.250	1446.250	1449.249	1452.250	1457.250	1442.250	1436.250	1432.250	1432.249	1431.248
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-2.792	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	2.792	.000	.000	.000	.000	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.249	.286	.250	.000	.000	12.188	.000	.000	.000	.000
ELEVATION	1425.249	1421.286	1432.250	1440.000	1363.000	212.188	1305.000	1270.000	1260.000	1430.000

VEL-N	1.486	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	-2.788	-.325	.000	.000	4.010	.000	.000	.000	.000
VEL-S	.000	-1.486	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	3.102	2.746	.000	.000	.000	2.873	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.249	.250	.251	.249	.250	.249	.250	.250	.130	.250
ELEVATION	1429.249	1411.250	1411.251	1414.249	1413.250	1415.249	1417.250	1423.250	1410.130	1405.250
VEL-N	.000	.000	.000	1.615	-.829	.000	.000	.000	.000	.000
VEL-E	.000	-2.746	-3.102	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	-1.615	.829	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	2.746	3.311	.000	.000	.000	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.250	.250	.250	.250	.420	.249	1.056	.000	.000	.000
ELEVATION	1403.250	1396.250	1398.250	1400.250	1385.420	1400.249	1389.056	1265.000	1260.000	1258.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-3.311	-2.746	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	2.475	.000	.000	2.569	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	12.224	.000	.000	.000	.000	.000	.000	.305
ELEVATION	1260.000	1300.000	212.224	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.305
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-2.873	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-2.330
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	3.080

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.392	.249	.251	.250	.309	2.319	.000	.000	.249	.286
ELEVATION	1380.392	1385.249	1380.251	1385.250	1385.309	1385.319	1402.000	1391.000	1384.249	1371.286
VEL-N	2.330	1.646	-1.391	1.390	.195	.228	.000	.000	.000	.687
VEL-E	-2.569	.000	.000	-2.475	.000	.000	.000	.000	-.826	-2.323
VEL-S	-1.646	1.391	-1.390	-.195	-.228	.000	.000	.000	.000	.000
VEL-W	.941	2.354	1.970	2.323	.826	.000	.000	.000	.000	.466

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.260	.249	.250	.250	.250	.000	.000	.000	.000	.000
ELEVATION	1370.260	1375.249	1379.250	1363.250	1350.250	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-1.970	-2.354	-.941	-3.080	.000	.000	.000	.000	.000	.000
VEL-S	-.687	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.411	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	34.801	35.821	.238	.249
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	234.801	235.821	1330.238	1335.249
VEL-N	.000	.000	.000	.000	.000	.000	.000	-31.209	.000	2.053
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	31.209	.000	-2.053	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	-36.707	.000	4.598

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.250	.245	.253	.250	.448	.250	.000	.000	.000	.000
ELEVATION	1345.250	1371.245	1345.253	1370.250	1370.448	1376.250	1380.000	1387.000	1380.000	1378.000
VEL-N	.000	.000	.000	4.661	.319	1.124	.000	.000	.000	.000
VEL-E	.000	.000	.000	-.411	-.466	.000	.000	.000	.000	.000
VEL-S	.000	.000	-4.661	-.319	-1.124	.000	.000	.000	.000	.000
VEL-W	.000	.000	2.629	1.852	.259	.753	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.250	.250	.250	.336	.488	.822	.242	35.485	34.351	.000
ELEVATION	1374.250	1370.250	1365.250	1335.336	1320.488	1315.822	1310.242	235.485	234.351	1376.000
VEL-N	.000	.000	.000	3.892	2.796	3.234	.000	-31.496	.000	.000
VEL-E	-.753	-.259	-1.516	-2.629	.000	.000	-4.598	.000	36.707	.000
VEL-S	.000	.000	.000	.000	-3.892	-2.796	-3.234	.000	31.496	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	12.218	.000	.000	.000	.000	.143	.250	.000	.000	.000
ELEVATION	212.218	1330.000	1345.000	1360.000	1371.000	1371.143	1371.250	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	2.757	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.085	.250	.029	.000	.000	.000	12.193	12.249	.000	.000
ELEVATION	1369.085	1370.250	1370.029	1371.000	1360.000	1330.000	212.193	212.249	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	3.298	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-2.757	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-3.298	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	4.145	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.000	.000	.250	.149	.250	.000
ELEVATION	1358.000	1356.000	1357.000	1349.000	1461.000	1450.000	1446.250	1421.149	1436.250	1438.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.019	.000	.000	.000	.000	12.184	12.264	.000	.000
ELEVATION	1428.000	1425.019	1421.000	1411.000	1415.000	1419.000	212.184	212.264	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	4.168	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-4.145	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-4.168	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	4.187	-4.168	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	12.184	12.261	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	212.184	212.261	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-4.187	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	4.168	-4.187	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	4.187	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	-4.010	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.063	.000	.154
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.063	1245.000	1566.154
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 1.00 MAX. TIMESTEP(SEC.) = 1.50 MEAN TIMESTEP(SEC.) = 1.25

MAXIMUM WATER SURFACE VALUES FOR FLOOD PLAIN

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	1.162	.523	.270	.000
TIME	10.000	10.000	10.000	10.000	10.000	10.000	2.754	2.771	2.854	10.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.252	.358	.790	1.333	.000	.000
TIME	10.000	10.000	10.000	10.000	2.713	2.821	2.779	2.763	10.000	10.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.205	.000	.000	.000	.000	.000	.356
TIME	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	2.804

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	1.673	.659	1.096	.255	.000	.000	.000	.000	.315	.330
TIME	2.771	2.788	2.829	3.292	10.000	10.000	10.000	10.000	2.204	2.879

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.744	.958	.516	.269	.255	.250	.000	.000	.000	.000
TIME	2.804	2.821	2.821	2.879	2.887	8.281	10.000	10.000	10.000	10.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.254	.343	.605	1.001	.356	.488	.269	.286	.000
TIME	10.000	3.735	2.796	2.829	2.829	2.829	2.688	2.363	2.887	10.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.256	.270	.483	.286	.943	.761	.487	.262
TIME	10.000	10.000	3.079	2.887	2.917	2.521	2.846	2.863	2.846	2.763

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.967	1.976	.666	.821	.929
TIME	10.000	10.000	10.000	10.000	10.000	3.220	3.224	2.958	2.879	2.871

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.276	.555	.257	.251	.253	.251	.252	.614	.279	.619
TIME	2.371	2.079	3.270	5.307	3.663	9.228	3.866	2.171	2.838	2.917

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.744	1.220	.402	.000	.000	12.272	.000	.000	.000	.000
TIME	2.923	3.169	3.332	10.000	10.000	10.000	10.000	10.000	10.000	10.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.262	.808	1.030	.374	.342	.270	.693	.251	.130	.462
TIME	2.879	2.951	2.937	2.923	2.917	2.813	3.012	5.492	10.000	2.388

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.278	.638	.443	.479	1.690	.259	1.056	.000	.000	.000
TIME	2.713	2.937	2.964	2.975	3.213	3.474	10.000	10.000	10.000	10.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	12.224	.000	.000	.000	.000	.000	.000	1.307
TIME	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	3.241

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	1.513	.287	.745	.490	.941	2.986	.000	.000	.264	.884
TIME	3.005	2.504	3.227	3.349	3.584	3.556	10.000	10.000	3.012	3.548

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.650	.280	.339	.880	.716	.000	.000	.000	.000	.000
TIME	3.251	2.746	3.060	3.257	3.289	10.000	10.000	10.000	10.000	10.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	35.883	36.299	.308	.949
TIME	10.000	10.000	10.000	10.000	10.000	10.000	10.000	9.514	2.838	3.065

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.524	.268	.894	.531	1.036	.286	.000	.000	.000	.000
TIME	2.104	2.288	2.779	3.230	3.647	3.514	10.000	10.000	10.000	10.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.251	.355	.422	.951	1.453	2.599	.557	35.489	36.760	.000
TIME	3.831	3.994	3.937	3.655	3.638	3.653	2.887	10.000	10.000	10.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	12.258	.000	.000	.000	.000	.143	.251	.000	.000	.000
TIME	9.999	10.000	10.000	10.000	10.000	10.000	5.060	10.000	10.000	10.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.085	.250	.029	.000	.000	.000	12.284	12.249	.000	.000
TIME	10.000	6.961	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.000	.000	.251	.149	.250	.000
TIME	10.000	10.000	10.000	10.000	10.000	10.000	4.757	10.000	9.443	10.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.019	.000	.000	.000	.000	12.286	12.264	.000	.000
TIME	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	12.286	12.261	.000	.000
TIME	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.063	.000	.154
TIME	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000

==========
==========

*** DIFFUSION ROUTING ***

DHM EMERGENCY SPILLWAY OPERATION
15 HOUR SIMULATION

COMPARE TO 10 HOUR SIMULATION -
NEGLIGIBLE DIFFERENCES.

MIN. TIMESTEP(SEC.) = .50
MAX. TIMESTEP(SEC.) = 30.00
INCREASED TIMESTEP INTERVAL (SEC.) = .50
DECREASED TIMESTEP INTERVAL (SEC.) = .50
TOTAL SIMULATION(HOUR) = 15.00
UPDATE INTERVAL(TIMESTEPS) = 1
OUTPUT INTERVAL(HOUR) = .25
NUMBER OF NODAL POINTS FOR FLOOD PLAIN = 250
UNIFORM GRID SIDE(FEET) = 1000.000
NUMBER OF NODAL POINTS FOR CHANNEL = 0
RETENTION WATER DEPTH(FEET) = .2500
TOLERANCE OF CHANGE IN WATER DEPTH(FEET) = *****
PERCENTAGE OF CHANGE IN WATER DEPTH = 10.0 %

SHDSPIL9.OUT - FILE NAME

INPUT AND SUMMARY TABLE ONLY HERE IN-
FULL COPY ON DISK.

NODAL POINT DATA ENTRY:

*** FLOOD PLAIN INFORMATION ***
NC = CENTRAL GRID NODE
NN,NE,NS,NW = NORTH, EAST, SOUTH, WEST NODAL POINTS
NBAR = NODAL POINT MANNINGS ROUGHNESS COEFFICIENT
(NEGATIVE SIGN INDICATES A CHANNEL PASSING THROUGH)
ELEV = NODAL POINT ELEVATION
DEPTH = INITIAL WATER DEPTH AT NODE

NC	NN	NE	NS	NW	NBAR	ELEV.	DEPTH
1	169	245	156	2	.0200	1381.0	.0
2	199	1	180	3	.0200	1375.0	.0
3	200	2	186	4	.0250	1370.0	.0
4	5	3	187	48	.0250	1365.0	.0
5	6	200	4	47	.0250	1365.0	.0
6	24	201	5	28	.0250	1364.0	.0
7	0	0	8	18	.0180	1565.0	.0
8	7	0	9	17	.0250	1561.0	.0
9	8	0	10	16	.0250	1558.0	.0
10	9	0	11	15	.0250	1569.0	.0
11	10	0	12	14	.0250	1568.0	.0
12	11	0	0	13	.0250	1567.0	.0
13	14	12	0	36	.0250	1542.0	.0
14	15	11	13	35	.0250	1541.0	.0
15	16	10	14	34	.0250	1540.0	.0
16	17	9	15	33	.0180	1540.0	.0
17	18	8	16	32	.0250	1541.0	.0
18	19	7	17	31	.0180	1542.0	.0
19	0	0	18	30	.0250	1545.0	.0
20	238	21	25	95	.0250	1362.0	.0
21	227	205	22	20	.0250	1360.0	.0
22	21	204	23	25	.0250	1369.0	.0
23	22	203	24	26	.0250	1368.0	.0
24	23	202	6	27	.0250	1365.0	.0
25	20	22	26	74	.0250	1365.0	.0
26	25	23	27	73	.0250	1363.0	.0
27	26	24	28	72	.0350	1361.0	.0
28	27	6	47	51	.0250	1358.0	.0
29	0	0	30	44	.0250	1523.0	.0

30	29	19	31	43	.0180	1521.0	.0
31	30	18	32	42	.0350	1521.0	.0
32	31	17	33	41	.0250	1522.0	.0
33	32	16	34	40	.0250	1520.0	.0
34	33	15	35	39	.0350	1521.0	.0
35	34	14	36	38	.0250	1525.0	.0
36	35	13	0	37	.0250	1525.0	.0
37	38	36	0	60	.0350	1510.0	.0
38	39	35	37	59	.0250	1506.0	.0
39	40	34	38	58	.0350	1502.0	.0
40	41	33	39	57	.0180	1515.0	.0
41	42	32	40	56	.0250	1505.0	.0
42	43	31	41	55	.0250	1503.0	.0
43	44	30	42	54	.0180	1501.0	.0
44	45	29	43	53	.0250	1499.0	.0
45	46	0	44	52	.0250	1498.0	.0
46	248	0	45	0	.0250	1495.0	.0
47	28	5	48	50	.0250	1359.0	.0
48	47	4	213	49	.0250	1359.0	.0
49	50	48	214	0	.0250	1349.0	.0
50	51	47	49	0	.0250	1349.0	.0
51	72	28	50	0	.0200	1350.0	.0
52	0	45	53	70	.0250	1477.0	.0
53	52	44	54	69	.0250	1476.0	.0
54	53	43	55	68	.0250	1478.0	.0
55	54	42	56	67	.0180	1478.0	.0
56	55	41	57	66	.0250	1486.0	.0
57	56	40	58	65	.0180	1482.0	.0
58	57	39	59	64	.0250	1487.0	.0
59	58	38	60	63	.0250	1478.0	.0
60	59	37	61	62	.0350	1494.0	.0
61	60	0	0	0	.0350	1496.0	.0
62	63	60	0	215	.0250	1476.0	.0
63	64	59	62	85	.0350	1473.0	.0
64	65	58	63	83	.0350	1470.0	.0
65	66	57	64	82	.0250	1466.0	.0
66	67	56	65	81	.0250	1466.0	.0
67	68	55	66	80	.0180	1461.0	.0
68	69	54	67	79	.0250	1458.0	.0
69	70	53	68	78	.0250	1455.0	.0
70	71	52	69	77	.0250	1454.0	.0
71	0	0	70	76	.0250	1457.0	.0
72	73	27	51	235	.0250	1356.0	.0
73	74	26	72	126	.0250	1360.0	.0
74	95	25	73	125	.0250	1363.0	.0
75	0	0	76	0	.0200	1440.0	.0
76	75	71	77	94	.0250	1430.0	.0
77	76	70	78	93	.0250	1431.0	.0
78	77	69	79	92	.0250	1435.0	.0
79	78	68	80	92	.0250	1440.0	.0
80	79	67	81	90	.0250	1445.0	.0
81	80	66	82	89	.0250	1448.0	.0
82	81	65	83	88	.0250	1446.0	.0
83	82	64	84	87	.0350	1449.0	.0
84	83	0	85	86	.0350	1452.0	.0
85	84	63	215	217	.0350	1457.0	.0
86	87	84	217	218	.0350	1442.0	.0
87	88	83	86	108	.0350	1436.0	.0
88	89	82	87	107	.0250	1432.0	.0
89	90	81	88	105	.0250	1432.0	.0

90	91	80	89	104	.0250	1431.0	.0
91	92	79	90	103	.0250	1425.0	.0
92	93	78	91	102	.0250	1421.0	.0
93	94	77	92	101	.0250	1432.0	.0
94	0	76	93	100	.0200	1440.0	.0
95	96	20	74	124	.0250	1363.0	.0
96	97	238	95	123	.0250	200.0	.0
97	98	237	96	122	.0250	1305.0	.0
98	99	236	97	121	.0250	1270.0	.0
99	118	0	98	120	.0250	1260.0	.0
100	0	94	101	117	.0200	1430.0	.0
101	100	93	102	116	.0200	1429.0	.0
102	101	92	103	115	.0200	1411.0	.0
103	102	91	104	114	.0200	1411.0	.0
104	103	90	105	113	.0200	1414.0	.0
105	104	89	106	112	.0250	1413.0	.0
106	105	0	107	111	.0250	1415.0	.0
107	106	88	108	110	.0350	1417.0	.0
108	107	87	218	109	.0450	1423.0	.0
109	110	108	223	137	.0450	1410.0	.0
110	111	107	109	136	.0350	1405.0	.0
111	112	106	110	135	.0250	1403.0	.0
112	113	105	111	134	.0250	1396.0	.0
113	114	104	112	133	.0250	1398.0	.0
114	115	103	113	132	.0250	1400.0	.0
115	116	102	114	131	.0200	1385.0	.0
116	117	101	115	130	.0200	1400.0	.0
117	0	100	116	129	.0200	1388.0	.0
118	0	0	99	119	.0250	1265.0	.0
119	0	118	120	153	.0250	1260.0	.0
120	119	99	121	152	.0250	1258.0	.0
121	120	98	122	151	.0250	1260.0	.0
122	121	97	123	148	.0250	1300.0	.0
123	122	96	124	147	.0250	200.0	.0
124	123	95	125	128	.0250	1355.0	.0
125	124	74	126	127	.0250	1358.0	.0
126	125	73	235	0	.0200	1353.0	.0
127	128	125	0	0	.0250	1351.0	.0
128	147	124	127	247	.0250	200.0	.0
129	0	117	130	145	.0200	1430.0	.0
130	129	116	131	144	.0200	1375.0	.0
131	130	115	132	143	.0250	1380.0	.0
132	131	114	133	142	.0250	1385.0	.0
133	132	113	134	141	.0350	1380.0	.0
134	133	112	135	140	.0250	1385.0	.0
135	134	111	136	139	.0250	1385.0	.0
136	135	110	137	138	.0250	1383.0	.0
137	136	109	224	239	.0450	1402.0	.0
138	139	136	239	167	.0250	1391.0	.0
139	140	135	138	166	.0250	1384.0	.0
140	141	134	139	165	.0350	1371.0	.0
141	142	133	140	164	.0250	1365.0	.0
142	143	132	141	163	.0250	1375.0	.0
143	144	131	142	162	.0250	1379.0	.0
144	145	130	143	161	.0250	1363.0	.0
145	146	129	144	160	.0200	1350.0	.0
146	0	0	145	159	.0200	1365.0	.0
147	148	123	128	246	.0250	1292.0	.0
148	151	122	147	185	.0250	1296.0	.0
149	0	125	148	156	.0250	200.0	.0

150	0	0	149	155	.0250	200.0	.0
151	152	121	148	184	.0250	1257.0	.0
152	153	120	151	183	.0250	1250.0	.0
153	0	119	152	154	.0250	1255.0	.0
154	0	153	183	250	.0250	1247.0	.0
155	156	243	0	181	.0450	1385.0	.0
156	1	244	155	180	.0250	1383.0	.0
157	156	0	158	0	.0250	200.0	.0
158	157	0	159	179	.0250	200.0	.0
159	158	146	160	178	.0200	1330.0	.0
160	159	145	161	177	.0200	1335.0	.0
161	160	144	162	176	.0200	1345.0	.0
162	161	143	163	175	.0200	1371.0	.0
163	162	142	164	174	.0200	1345.0	.0
164	163	141	165	173	.0200	1370.0	.0
165	164	140	166	172	.0450	1370.0	.0
166	165	139	167	171	.0350	1376.0	.0
167	166	138	168	170	.0250	1380.0	.0
168	167	239	245	169	.0200	1387.0	.0
169	170	168	1	199	.0200	1380.0	.0
170	171	167	169	198	.0350	1378.0	.0
171	172	166	170	197	.0350	1374.0	.0
172	173	165	171	196	.0350	1370.0	.0
173	174	165	172	195	.0250	1365.0	.0
174	175	163	173	194	.0250	1335.0	.0
175	176	162	174	193	.0200	1320.0	.0
176	177	161	175	192	.0250	1315.0	.0
177	178	160	176	191	.0200	1310.0	.0
178	179	159	177	190	.0250	200.0	.0
179	180	158	178	189	.0250	200.0	.0
180	2	156	181	186	.0200	1376.0	.0
181	180	155	0	182	.0450	1375.0	.0
182	186	181	0	188	.0350	1370.0	.0
183	154	152	184	185	.0200	1242.0	.0
184	183	151	185	248	.0250	1257.0	.0
185	184	148	246	0	.0250	1285.0	.0
186	3	180	182	187	.0200	1370.0	.0
187	4	186	188	213	.0250	1363.0	.0
188	187	182	0	212	.0200	1264.0	.0
189	190	0	0	234	.0450	1355.0	.0
190	209	0	189	233	.0250	1357.0	.0
191	190	177	192	208	.0250	200.0	.0
192	191	176	193	207	.0250	1330.0	.0
193	192	175	194	206	.0200	1345.0	.0
194	193	174	195	205	.0250	1360.0	.0
195	194	173	196	204	.0250	1371.0	.0
196	195	172	197	203	.0250	1371.0	.0
197	196	171	198	202	.0250	1371.0	.0
198	197	170	199	201	.0350	1373.0	.0
199	198	169	2	200	.0250	1375.0	.0
200	201	199	3	5	.0200	1370.0	.0
201	202	198	200	6	.0200	1369.0	.0
202	203	197	201	24	.0250	1370.0	.0
203	204	196	202	23	.0250	1370.0	.0
204	205	195	203	22	.0250	1371.0	.0
205	206	194	204	21	.0250	1360.0	.0
206	207	193	205	227	.0250	1330.0	.0
207	208	192	206	228	.0250	200.0	.0
208	209	191	207	229	.0250	200.0	.0
209	210	0	190	232	.0350	1360.0	.0

210	211	0	209	231	.0250	1357.0	.0
211	212	0	210	230	.0250	1358.0	.0
212	213	188	211	229	.0250	1356.0	.0
213	48	187	212	214	.0250	1357.0	.0
214	49	213	229	0	.0250	1349.0	.0
215	85	62	0	216	.0350	1461.0	.0
216	217	215	0	220	.0450	1450.0	.0
217	86	85	216	219	.0450	1446.0	.0
218	108	86	219	223	.0450	1421.0	.0
219	218	217	220	222	.0450	1436.0	.0
220	219	216	0	221	.0450	1438.0	.0
221	222	220	0	226	.0450	1428.0	.0
222	223	219	221	225	.0450	1425.0	.0
223	109	218	222	224	.0450	1421.0	.0
224	137	223	225	0	.0450	1411.0	.0
225	224	222	226	0	.0450	1415.0	.0
226	225	221	0	0	.0450	1419.0	.0
227	228	206	21	238	.0250	200.0	.0
228	229	207	227	237	.0250	200.0	.0
229	214	212	230	0	.0250	1348.0	.0
230	229	211	231	0	.0250	1348.0	.0
231	230	210	232	0	.0250	1348.0	.0
232	231	209	233	0	.0250	1348.0	.0
233	232	190	234	0	.0250	1347.0	.0
234	233	189	0	0	.0250	1346.0	.0
235	126	72	0	0	.0250	1352.0	.0
236	235	229	237	98	.0250	1295.0	.0
237	236	228	238	97	.0250	200.0	.0
238	237	227	20	96	.0250	200.0	.0
239	138	137	240	168	.0250	1398.0	.0
240	239	224	241	245	.0350	1401.0	.0
241	240	225	242	244	.0450	1405.0	.0
242	241	226	0	243	.0450	1410.0	.0
243	244	242	0	155	.0250	1395.0	.0
244	245	241	243	156	.0350	1393.0	.0
245	168	240	244	1	.0250	1390.0	.0
246	185	147	247	0	.0250	1292.0	.0
247	246	128	0	0	.0250	1296.0	.0
248	0	0	46	0	.0250	1490.0	.0
249	250	183	248	0	.0250	1245.0	.0
250	0	0	7	19	.0250	1566.0	.0

INFLOW HYDROGRAPH AT NODE # 7

HOUR	CFS
.0	0.
1.0	1220.
1.3	1500.
2.0	14910.
2.5	19200.
2.8	19560.
3.0	19020.
6.0	7100.
7.5	3880.
9.0	2360.
15.0	0.

FOLLOWING THIS POINT,
THE NORMAL DHM OUTPUT HAS BEEN OMITTED,
UNTIL THE SUMMARY TABLE "MAXIMUM WATER SURFACE VALUES FOR FLOOD PLAIN"

SEE NOTE PREVIOUS PAGE

VEL-N	.000	.000	.000	.000	.000	.000	-2.848	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	2.280	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	2.848	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-3.417	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.000	.000	.249	.250	.250	.000
ELEVATION	1358.000	1356.000	1357.000	1349.000	1461.000	1450.000	1446.250	1421.250	1436.250	1438.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.036	.026	.000	.000	.000	13.580	13.336	.000	.000
ELEVATION	1428.000	1425.036	1421.026	1411.000	1415.000	1419.000	213.580	213.336	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	-3.507	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	3.417	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	3.507	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-3.492	3.507	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	13.580	13.336	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	213.580	213.336	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	3.492	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-3.507	3.492	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-3.492	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	3.372	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.097	.000	.154
ELEVATION	1405.000	1410.000	1395.000	1393.000	1390.000	1292.000	1296.000	1490.097	1245.000	1566.154
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 1.00 MAX. TIMESTEP(SEC.) = 1.50 MEAN TIMESTEP(SEC.) = 1.25

==========

MAXIMUM WATER SURFACE VALUES FOR FLOOD PLAIN

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.031	1.162	.523	.270	.000
TIME	15.000	15.000	15.000	15.000	15.000	15.000	2.754	2.771	2.854	15.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.252	.358	.790	1.333	.000	.000
TIME	15.000	15.000	15.000	15.000	2.713	2.821	2.779	2.763	15.000	15.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.251	.000	.000	.051	.000	.000	.356
TIME	15.000	15.000	15.000	11.993	15.000	15.000	15.000	15.000	15.000	2.804

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	1.673	.659	1.096	.255	.000	.000	.000	.000	.315	.330
TIME	2.771	2.788	2.829	3.292	15.000	15.000	15.000	15.000	2.204	2.879

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.744	.958	.516	.269	.255	.250	.000	.000	.000	.000
TIME	2.804	2.821	2.821	2.879	2.887	8.281	15.000	15.000	15.000	15.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.254	.343	.605	1.001	.356	.488	.269	.286	.000
TIME	15.000	3.735	2.796	2.829	2.829	2.829	2.688	2.363	2.887	15.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.256	.270	.483	.286	.943	.761	.487	.262
TIME	15.000	15.000	3.079	2.887	2.917	2.521	2.846	2.863	2.846	2.763

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.967	1.976	.666	.821	.929
TIME	15.000	15.000	15.000	15.000	15.000	3.220	3.224	2.958	2.879	2.871

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.276	.555	.257	.251	.253	.251	.252	.614	.279	.619
TIME	2.371	2.079	3.270	5.307	3.663	9.228	3.866	2.171	2.838	2.917

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.744	1.220	.402	.000	.000	13.563	.000	.000	.000	.000
TIME	2.923	3.169	3.332	15.000	15.000	15.000	15.000	15.000	15.000	15.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.262	.808	1.030	.374	.342	.270	.693	.251	.181	.462
TIME	2.879	2.951	2.937	2.923	2.917	2.813	3.012	5.492	15.000	2.388

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.278	.638	.443	.479	1.690	.259	1.169	.000	.000	.000
TIME	2.713	2.937	2.964	2.975	3.213	3.474	15.000	15.000	15.000	15.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	13.497	.000	.000	.000	.000	.000	.000	1.307
TIME	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	3.241

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	1.513	.287	.745	.490	.941	2.986	.000	.000	.264	.884
TIME	3.005	2.504	3.227	3.349	3.584	3.556	15.000	15.000	3.012	3.548

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.650	.280	.339	.880	.716	.000	.000	.000	.000	.000
TIME	3.251	2.746	3.060	3.257	3.289	15.000	15.000	15.000	15.000	15.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	39.401	39.303	.308	.949
TIME	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	2.838	3.065

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.524	.268	.894	.531	1.036	.286	.000	.000	.000	.000
TIME	2.104	2.288	2.779	3.230	3.647	3.514	15.000	15.000	15.000	15.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.251	.355	.422	.951	1.453	2.599	.557	38.869	40.565	.000
TIME	3.831	3.994	3.937	3.655	3.638	3.653	2.887	14.993	14.993	15.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	13.524	.000	.000	.000	.000	.181	.251	.000	.000	.000
TIME	14.993	15.000	15.000	15.000	15.000	15.000	5.060	15.000	15.000	15.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.124	.250	.040	.000	.000	.000	13.571	13.518	.000	.000
TIME	15.000	6.961	15.000	15.000	15.000	15.000	14.995	14.993	15.000	15.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.000	.000	.251	.252	.250	.000
TIME	15.000	15.000	15.000	15.000	15.000	15.000	4.757	13.067	9.443	15.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.036	.026	.000	.000	.000	13.580	13.547	.000	.000
TIME	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	13.580	13.546	.000	.000
TIME	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.097	.000	.154
TIME	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000

==========

==========

*** DIFFUSION ROUTING ***

DHM 5 HOUR SIMULATION
AT BREACH LOCATION A

MIN. TIMESTEP(SEC.) = .50
MAX. TIMESTEP(SEC.) = 30.00
INCREASED TIMESTEP INTERVAL (SEC.) = .50
DECREASED TIMESTEP INTERVAL (SEC.) = .50
TOTAL SIMULATION(HOUR) = 5.00
UPDATE INTERVAL(TIMESTEPS) = 1
OUTPUT INTERVAL(HOUR) = .25
NUMBER OF NODAL POINTS FOR FLOOD PLAIN = 250
UNIFORM GRID SIDE(FEET) = 1000.000
NUMBER OF NODAL POINTS FOR CHANNEL = 0
RETENTION WATER DEPTH(FEET) = .2500
TOLERANCE OF CHANGE IN WATER DEPTH(FEET) = *****
PERCENTAGE OF CHANGE IN WATER DEPTH = 10.0 %

SHDBRCHA.OUT : filename

NODAL POINT DATA ENTRY:

*** FLOOD PLAIN INFORMATION ***
NC = CENTRAL GRID NODE
NN,NE,NS,NW = NORTH, EAST, SOUTH, WEST NODAL POINTS
NBAR = NODAL POINT MANNINGS ROUGHNESS COEFFICIENT
(NEGATIVE SIGN INDICATES A CHANNEL PASSING THROUGH)
ELEV = NODAL POINT ELEVATION
DEPTH = INITIAL WATER DEPTH AT NODE

NC	NN	NE	NS	NW	NBAR	ELEV.	DEPTH
1	168	245	156	2	.0200	1381.0	.0
2	199	1	180	3	.0200	1375.0	.0
3	200	2	186	4	.0250	1370.0	.0
4	5	3	187	48	.0250	1365.0	.0
5	6	200	4	47	.0250	1365.0	.0
6	24	201	5	28	.0250	1364.0	.0
7	0	0	8	18	.0180	1565.0	.0
8	7	0	9	17	.0250	1561.0	.0
9	8	0	10	16	.0250	1558.0	.0
10	9	0	11	15	.0250	1569.0	.0
11	10	0	12	14	.0250	1568.0	.0
12	11	0	0	13	.0250	1567.0	.0
13	14	12	0	36	.0250	1542.0	.0
14	15	11	13	35	.0250	1541.0	.0
15	16	10	14	34	.0250	1540.0	.0
16	17	9	15	33	.0180	1540.0	.0
17	18	8	16	32	.0250	1541.0	.0
18	19	7	17	31	.0180	1542.0	.0
19	0	0	18	30	.0250	1545.0	.0
20	238	21	25	95	.0250	1362.0	.0
21	227	205	22	20	.0250	1360.0	.0
22	21	204	23	25	.0250	1369.0	.0
23	22	203	24	26	.0250	1368.0	.0
24	23	202	6	27	.0250	1365.0	.0
25	20	22	26	74	.0250	1365.0	.0
26	25	23	27	73	.0250	1363.0	.0
27	26	24	28	72	.0350	1361.0	.0
28	27	6	47	51	.0250	1358.0	.0
29	0	0	30	44	.0250	1523.0	.0

30	29	19	31	43	.0180	1521.0	.0
31	30	18	32	42	.0350	1521.0	.0
32	31	17	33	41	.0250	1522.0	.0
33	32	16	34	40	.0250	1520.0	.0
34	33	15	35	39	.0350	1521.0	.0
35	34	14	36	38	.0250	1525.0	.0
36	35	13	0	37	.0250	1525.0	.0
37	38	36	0	60	.0350	1510.0	.0
38	39	35	37	59	.0250	1506.0	.0
39	40	34	38	58	.0350	1502.0	.0
40	41	33	39	57	.0180	1515.0	.0
41	42	32	40	56	.0250	1505.0	.0
42	43	31	41	55	.0250	1503.0	.0
43	44	30	42	54	.0180	1501.0	.0
44	45	29	43	53	.0250	1499.0	.0
45	46	0	44	52	.0250	1498.0	.0
46	0	0	45	0	.0250	1495.0	.0
47	28	5	48	50	.0250	1359.0	.0
48	47	4	213	49	.0250	1359.0	.0
49	50	48	214	0	.0250	1349.0	.0
50	51	47	49	0	.0250	1349.0	.0
51	72	28	50	0	.0200	1350.0	.0
52	0	45	53	70	.0250	1477.0	.0
53	52	44	54	69	.0250	1476.0	.0
54	53	43	55	68	.0250	1478.0	.0
55	54	42	56	67	.0180	1478.0	.0
56	55	41	57	66	.0250	1486.0	.0
57	56	40	58	65	.0180	1482.0	.0
58	57	39	59	64	.0250	1487.0	.0
59	58	38	60	63	.0250	1478.0	.0
60	59	37	61	62	.0350	1494.0	.0
61	60	0	0	0	.0350	1496.0	.0
62	63	60	0	215	.0250	1476.0	.0
63	64	59	62	85	.0350	1473.0	.0
64	65	58	63	83	.0350	1470.0	.0
65	66	57	64	82	.0250	1466.0	.0
66	67	56	65	81	.0250	1466.0	.0
67	68	55	66	80	.0180	1461.0	.0
68	69	54	67	79	.0250	1458.0	.0
69	70	53	68	78	.0250	1455.0	.0
70	71	52	69	77	.0250	1454.0	.0
71	0	0	70	76	.0250	1457.0	.0
72	73	27	51	235	.0250	1356.0	.0
73	74	26	72	126	.0250	1360.0	.0
74	95	25	73	125	.0250	1363.0	.0
75	0	0	76	0	.0200	1440.0	.0
76	75	71	77	94	.0250	1430.0	.0
77	76	70	78	93	.0250	1431.0	.0
78	77	69	79	92	.0250	1435.0	.0
79	78	68	80	92	.0250	1440.0	.0
80	79	67	81	90	.0250	1445.0	.0
81	80	66	82	89	.0250	1448.0	.0
82	81	65	83	88	.0250	1446.0	.0
83	82	64	84	87	.0350	1449.0	.0
84	83	0	85	86	.0350	1452.0	.0
85	84	63	215	217	.0350	1457.0	.0
86	87	84	217	218	.0350	1442.0	.0
87	88	83	86	108	.0350	1436.0	.0
88	89	82	87	107	.0250	1432.0	.0
89	90	81	88	105	.0250	1432.0	.0

90	91	80	89	104	.0250	1431.0	.0
91	92	79	90	103	.0250	1425.0	.0
92	93	78	91	102	.0250	1421.0	.0
93	94	77	92	101	.0250	1432.0	.0
94	0	76	93	100	.0200	1440.0	.0
95	96	20	74	124	.0250	1363.0	.0
96	97	238	95	123	.0250	200.0	.0
97	98	237	96	122	.0250	1305.0	.0
98	99	236	97	121	.0250	1270.0	.0
99	118	0	98	120	.0250	1260.0	.0
100	0	94	101	117	.0200	1430.0	.0
101	100	93	102	116	.0200	1429.0	.0
102	101	92	103	115	.0200	1411.0	.0
103	102	91	104	114	.0200	1411.0	.0
104	103	90	105	113	.0200	1414.0	.0
105	104	89	106	112	.0250	1413.0	.0
106	105	0	107	111	.0250	1415.0	.0
107	106	88	108	110	.0350	1417.0	.0
108	107	87	218	109	.0450	1423.0	.0
109	110	108	223	137	.0450	1410.0	.0
110	111	107	109	136	.0350	1405.0	.0
111	112	106	110	135	.0250	1403.0	.0
112	113	105	111	134	.0250	1396.0	.0
113	114	104	112	133	.0250	1398.0	.0
114	115	103	113	132	.0250	1400.0	.0
115	116	102	114	131	.0200	1385.0	.0
116	117	101	115	130	.0200	1400.0	.0
117	0	100	116	129	.0200	1388.0	.0
118	0	0	99	119	.0250	1265.0	.0
119	0	118	120	153	.0250	1260.0	.0
120	119	99	121	152	.0250	1258.0	.0
121	120	98	122	151	.0250	1260.0	.0
122	121	97	123	148	.0250	1300.0	.0
123	122	96	124	147	.0250	200.0	.0
124	123	95	125	128	.0250	1355.0	.0
125	124	74	126	127	.0250	1358.0	.0
126	125	73	235	0	.0200	1353.0	.0
127	128	125	0	0	.0250	1351.0	.0
128	147	124	127	247	.0250	200.0	.0
129	0	117	130	145	.0200	1430.0	.0
130	129	116	131	144	.0200	1375.0	.0
131	130	115	132	143	.0250	1380.0	.0
132	131	114	133	142	.0250	1385.0	.0
133	132	113	134	141	.0350	1380.0	.0
134	133	112	135	140	.0250	1385.0	.0
135	134	111	136	139	.0250	1385.0	.0
136	135	110	137	138	.0250	1383.0	.0
137	136	109	224	239	.0450	1402.0	.0
138	139	136	239	167	.0250	1391.0	.0
139	140	135	138	166	.0250	1384.0	.0
140	141	134	139	165	.0350	1371.0	.0
141	142	133	140	164	.0250	1365.0	.0
142	143	132	141	163	.0250	1375.0	.0
143	144	131	142	162	.0250	1379.0	.0
144	145	130	143	161	.0250	1363.0	.0
145	146	129	144	160	.0200	1350.0	.0
146	0	0	145	159	.0200	1365.0	.0
147	148	123	128	246	.0250	1292.0	.0
148	151	122	147	185	.0250	1296.0	.0
149	0	125	148	156	.0250	200.0	.0

150	0	0	149	155	.0250	200.0	.0
151	152	121	148	184	.0250	1257.0	.0
152	153	120	151	183	.0250	1250.0	.0
153	0	119	152	154	.0250	1255.0	.0
154	0	153	183	250	.0250	1247.0	.0
155	156	243	0	181	.0450	1385.0	.0
156	1	244	155	180	.0250	1383.0	.0
157	156	0	158	0	.0250	200.0	.0
158	157	0	159	179	.0250	200.0	.0
159	158	146	160	178	.0200	1330.0	.0
160	159	145	161	177	.0200	1335.0	.0
161	160	144	162	176	.0200	1345.0	.0
162	161	143	163	175	.0200	1371.0	.0
163	162	142	164	174	.0200	1345.0	.0
164	163	141	165	173	.0200	1370.0	.0
165	164	140	166	172	.0450	1370.0	.0
166	165	139	167	171	.0350	1376.0	.0
167	166	138	168	170	.0250	1380.0	.0
168	167	239	245	169	.0200	1387.0	.0
169	170	168	1	199	.0200	1380.0	.0
170	171	167	169	198	.0350	1378.0	.0
171	172	166	170	197	.0350	1374.0	.0
172	173	165	171	196	.0350	1370.0	.0
173	174	165	172	195	.0250	1365.0	.0
174	175	163	173	194	.0250	1335.0	.0
175	176	162	174	193	.0200	1320.0	.0
176	177	161	175	192	.0250	1315.0	.0
177	178	160	176	191	.0200	1310.0	.0
178	179	159	177	190	.0250	200.0	.0
179	180	158	178	189	.0250	200.0	.0
180	2	156	181	186	.0200	1376.0	.0
181	180	155	0	182	.0450	1375.0	.0
182	186	181	0	188	.0350	1370.0	.0
183	154	152	184	185	.0200	1242.0	.0
184	183	151	185	248	.0250	1257.0	.0
185	184	148	246	0	.0250	1285.0	.0
186	3	180	182	187	.0200	1370.0	.0
187	4	186	188	213	.0250	1363.0	.0
188	187	182	0	212	.0200	1264.0	.0
189	190	0	0	234	.0450	1355.0	.0
190	209	0	189	233	.0250	1357.0	.0
191	190	177	192	208	.0250	200.0	.0
192	191	176	193	207	.0250	1330.0	.0
193	192	175	194	206	.0200	1345.0	.0
194	193	174	195	205	.0250	1360.0	.0
195	194	173	196	204	.0250	1371.0	.0
196	195	172	197	203	.0250	1371.0	.0
197	196	171	198	202	.0250	1371.0	.0
198	197	170	199	201	.0350	1373.0	.0
199	198	169	2	200	.0250	1375.0	.0
200	201	199	3	5	.0200	1370.0	.0
201	202	198	200	6	.0200	1369.0	.0
202	203	197	201	24	.0250	1370.0	.0
203	204	196	202	23	.0250	1370.0	.0
204	205	195	203	22	.0250	1371.0	.0
205	206	194	204	21	.0250	1360.0	.0
206	207	193	205	227	.0250	1330.0	.0
207	208	192	206	228	.0250	200.0	.0
208	209	191	207	229	.0250	200.0	.0
209	210	0	190	232	.0350	1360.0	.0

210	211	0	209	231	.0250	1357.0	.0
211	212	0	210	230	.0250	1358.0	.0
212	213	188	211	229	.0250	1356.0	.0
213	48	187	212	214	.0250	1357.0	.0
214	49	213	229	0	.0250	1349.0	.0
215	85	62	0	216	.0350	1461.0	.0
216	217	215	0	220	.0450	1450.0	.0
217	86	85	216	219	.0450	1446.0	.0
218	108	86	219	223	.0450	1421.0	.0
219	218	217	220	222	.0450	1436.0	.0
220	219	216	0	221	.0450	1438.0	.0
221	222	220	0	226	.0450	1428.0	.0
222	223	219	221	225	.0450	1425.0	.0
223	109	218	222	224	.0450	1421.0	.0
224	137	223	225	0	.0450	1411.0	.0
225	224	222	226	0	.0450	1415.0	.0
226	225	221	0	0	.0450	1419.0	.0
227	228	206	21	238	.0250	200.0	.0
228	229	207	227	237	.0250	200.0	.0
229	214	212	230	0	.0250	1348.0	.0
230	229	211	231	0	.0250	1348.0	.0
231	230	210	232	0	.0250	1348.0	.0
232	231	209	233	0	.0250	1348.0	.0
233	232	190	234	0	.0250	1347.0	.0
234	233	189	0	0	.0250	1346.0	.0
235	126	72	0	0	.0250	1352.0	.0
236	235	229	237	98	.0250	1295.0	.0
237	236	228	238	97	.0250	200.0	.0
238	237	227	20	96	.0250	200.0	.0
239	138	137	240	168	.0250	1398.0	.0
240	239	224	241	245	.0350	1401.0	.0
241	240	225	242	244	.0450	1405.0	.0
242	241	226	0	243	.0450	1410.0	.0
243	244	242	0	155	.0250	1395.0	.0
244	245	241	243	156	.0350	1393.0	.0
245	168	240	244	1	.0250	1390.0	.0
246	185	147	247	0	.0250	1292.0	.0
247	246	128	0	0	.0250	1296.0	.0
248	249	184	0	0	.0250	1250.0	.0
249	250	183	248	0	.0250	1245.0	.0
250	0	154	249	0	.0250	1245.0	.0

INFLOW HYDROGRAPH AT NODE # 7

HOUR	CFS
.0	0.
.5	6400.
1.0	12480.
1.5	10350.
2.0	6050.
2.3	2700.
2.8	2700.
3.0	2200.
3.5	800.
3.8	0.

MODEL TIME(HOURS) = .25 (SECONDS) = .915E+03 (TOTAL TIMESTEP NUMBER) = 6.0E+01

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 3253.33

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.388	.202	.000	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.388	1561.202	1558.000	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-1.933	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.933	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	6.568	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.000	.000	.070	.593	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.000	1540.000	1541.070	1542.593	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	.000	-1.264	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-6.568	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	1.264	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	4.442	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.268	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1521.268	1522.000	1520.000	1521.000	1525.000	1525.000	1510.000	1506.000	1502.000	1515.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-4.442	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = .50 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 15.25

MODEL TIME(HOURS) = .50 (SECONDS) = .181E+04 (TOTAL TIMESTEP NUMBER) = 9.0E+01

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 6450.66

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.593	.264	.108	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.593	1561.264	1558.108	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-2.570	-1.077	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	2.570	1.077	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	8.761	3.450	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.000	.137	.368	.668	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.000	1540.137	1541.368	1542.668	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	-.966	-1.593	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-3.450	-8.761	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.966	1.593	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	4.219	6.125	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.253
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.253
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.927

VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.873	.431	.059	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1521.873	1522.431	1520.059	1521.000	1525.000	1525.000	1510.000	1506.000	1502.000	1515.000
VEL-N	.927	.681	-1.124	.000	.000	.000	.000	.000	.000	.000
VEL-E	-6.125	-4.219	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	-.681	1.124	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	4.958	3.479	.000	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.194	.418	.245	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1505.194	1503.418	1501.245	1499.000	1498.000	1495.000	1359.000	1359.000	1349.000	1349.000
VEL-N	.000	1.517	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.479	-4.958	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	-1.517	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	6.058	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.000	.066	.461	.000	.000	.000	.000	.000
ELEVATION	1350.000	1477.000	1476.000	1478.066	1478.461	1486.000	1482.000	1487.000	1478.000	1494.000
VEL-N	.000	.000	.000	.000	.602	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-6.058	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.602	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	6.649	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.000	.000	.000	.000	.617	.054	.000	.000
ELEVATION	1496.000	1476.000	1473.000	1470.000	1466.000	1466.000	1461.617	1458.054	1455.000	1454.000
VEL-N	.000	.000	.000	.000	.000	.000	1.878	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-6.649	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-1.878	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	4.262	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.128
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1430.000	1431.000	1435.000	1440.000	1445.128
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-4.262
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = .75 (SECONDS) = .271E+04 (TOTAL TIMESTEP NUMBER) = 1.2E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 9490.66

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.756	.301	.242	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.756	1561.301	1558.242	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-3.001	-1.400	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	3.001	1.400	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	10.321	3.743	3.771	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.012	.271	.477	.864	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.012	1540.271	1541.477	1542.864	1545.000	1362.000
VEL-N	.000	.000	.000	.000	-.287	-1.233	-1.961	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-3.771	-3.743	-10.321	.000	.000
VEL-S	.000	.000	.000	.000	.000	.287	1.233	1.961	.000	.000
VEL-W	.000	.000	.000	.000	.000	3.957	4.543	7.292	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.271
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.271
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1.295
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	1.135	.356	.510	.000	.000	.000	.000	.000	.000	.146
ELEVATION	1522.135	1522.356	1520.510	1521.000	1525.000	1525.000	1510.000	1506.000	1502.000	1515.146
VEL-N	1.295	.365	-1.270	.000	.000	.000	.000	.000	.000	.000
VEL-E	-7.292	-4.543	-3.957	.000	.000	.000	.000	.000	.000	-2.296
VEL-S	-.365	1.270	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	6.081	3.504	2.296	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.256	.589	.282	.177	.000	.000	.000	.000	.000	.000
ELEVATION	1505.256	1503.589	1501.282	1499.177	1498.000	1495.000	1359.000	1359.000	1349.000	1349.000
VEL-N	.983	1.929	1.229	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.504	-6.081	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	-.983	-1.929	-1.229	.000	.000	.000	.000	.000	.000
VEL-W	3.313	7.649	4.785	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.126	.353	.600	.247	.065	.000	.000	.000
ELEVATION	1350.000	1477.000	1476.126	1478.353	1478.599	1486.247	1482.065	1487.000	1478.000	1494.000
VEL-N	.000	.000	.000	1.068	.641	2.495	-1.328	.000	.000	.000
VEL-E	.000	.000	.000	-4.785	-7.649	-3.313	.000	.000	.000	.000
VEL-S	.000	.000	-1.068	-.641	-2.495	1.328	.000	.000	.000	.000
VEL-W	.000	.000	.000	4.164	7.539	2.843	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.000	.000	.000	.144	.606	.477	.246	.000
ELEVATION	1496.000	1476.000	1473.000	1470.000	1466.000	1466.144	1461.606	1458.477	1455.246	1454.000
VEL-N	.000	.000	.000	.000	.000	.000	2.590	1.692	.000	.000
VEL-E	.000	.000	.000	.000	.000	-2.843	-7.539	-4.164	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-2.590	-1.692	.000
VEL-W	.000	.000	.000	.000	.000	.000	5.967	4.841	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	.000	.028	.367	.716	.520
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1430.000	1431.028	1435.367	1440.716	1445.521
VEL-N	.000	.000	.000	.000	.000	.000	.000	1.289	2.904	2.607
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	-4.841	-5.967
VEL-S	.000	.000	.000	.000	.000	.000	-1.289	-2.904	-2.607	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	3.225	5.197	3.850

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.291
ELEVATION	1448.000	1446.000	1449.000	1452.000	1457.000	1442.000	1436.000	1432.000	1432.000	1431.291

VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.943
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-3.850
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	3.814

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.834	.330	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1425.834	1421.330	1432.000	1440.000	1363.000	200.000	1305.000	1270.000	1260.000	1430.000
VEL-N	2.743	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-5.883	-3.225	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	-1.943	-2.743	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	6.171	1.741	.000	.000	.000	.000	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.000	.017	.634	.329	.026	.000	.000	.000	.000	.000
ELEVATION	1429.000	1411.017	1411.635	1414.329	1413.026	1415.000	1417.000	1423.000	1410.000	1405.000
VEL-N	.000	.000	.686	1.914	-.763	.000	.000	.000	.000	.000
VEL-E	.000	-1.741	-6.171	-3.814	.000	.000	.000	.000	.000	.000
VEL-S	.000	-.686	-1.914	.763	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	2.960	2.992	.000	.000	.000	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.000	.000	.105	.048	.000	.000	.000	.000	.000	.000
ELEVATION	1403.000	1396.000	1398.105	1400.048	1385.000	1400.000	1388.000	1265.000	1260.000	1258.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-2.992	-2.960	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 1.00 (SECONDS) = .361E+04 (TOTAL TIMESTEP NUMBER) = 1.5E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 12462.25

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.890	.373	.257	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.890	1561.373	1558.257	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-3.410	-1.511	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	3.410	1.511	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	11.534	4.308	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.046	.264	.597	1.020	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.046	1540.264	1541.597	1543.020	1545.000	1362.000
VEL-N	.000	.000	.000	.000	-.317	-1.443	-2.253	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-4.308	-11.534	.000	.000
VEL-S	.000	.000	.000	.000	.000	.317	1.443	2.253	.000	.000
VEL-W	.000	.000	.000	.000	.000	4.152	5.238	8.147	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.257
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.257
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1.559
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	4.695

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	1.325	.426	.701	.000	.000	.000	.000	.000	.123	.226
ELEVATION	1522.325	1522.426	1520.701	1521.000	1525.000	1525.000	1510.000	1506.000	1502.123	1515.226
VEL-N	1.559	.283	-1.391	.000	.000	.000	.000	.000	-2.109	2.823
VEL-E	-8.147	-5.238	-4.152	.000	.000	.000	.000	.000	.000	-3.115
VEL-S	-.283	1.391	.000	.000	.000	.000	.000	.000	.000	2.109
VEL-W	6.836	4.358	3.115	.000	.000	.000	.000	.000	.000	6.173

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.455	.720	.363	.236	.022	.000	.000	.000	.000	.000
ELEVATION	1505.455	1503.720	1501.363	1499.236	1498.022	1495.000	1359.000	1359.000	1349.000	1349.000
VEL-N	1.419	2.223	1.446	.552	.000	.000	.000	.000	.000	.000
VEL-E	-4.358	-6.836	-4.695	.000	.000	.000	.000	.000	.000	.000
VEL-S	-2.823	-1.419	-2.223	-1.446	-.552	.000	.000	.000	.000	.000
VEL-W	4.016	8.749	5.321	3.600	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.273	.412	.730	.286	.331	.000	.000	.000
ELEVATION	1350.000	1477.000	1476.273	1478.412	1478.730	1486.286	1482.331	1487.000	1478.000	1494.000
VEL-N	.000	.000	.000	1.326	.871	.000	.000	.000	.000	.000
VEL-E	.000	.000	-3.600	-5.321	-8.749	-4.016	-6.173	.000	.000	.000
VEL-S	.000	.000	-1.326	-.871	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	3.493	4.617	8.604	.000	4.089	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.000	.000	.426	.233	.695	.517	.355	.085
ELEVATION	1496.000	1476.000	1473.000	1470.000	1466.426	1466.233	1461.695	1458.517	1455.354	1454.085
VEL-N	.000	.000	.000	.000	.360	1.907	2.767	1.912	.762	.000
VEL-E	.000	.000	.000	.000	-4.089	.000	-8.604	-4.617	-3.493	.000
VEL-S	.000	.000	.000	.000	.000	-.360	-1.907	-2.767	-1.912	-.762
VEL-W	.000	.000	.000	.000	3.380	2.738	6.792	5.107	4.176	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	.047	.495	.448	.566	.696
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1430.047	1431.495	1435.448	1440.566	1445.696
VEL-N	.000	.000	.000	.000	.000	.000	.907	2.189	2.694	3.127
VEL-E	.000	.000	.000	.000	.000	.000	.000	-4.176	-5.107	-6.792
VEL-S	.000	.000	.000	.000	.000	-.907	-2.189	-2.694	-3.127	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	4.067	5.559	4.818

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.156	.114	.000	.000	.000	.000	.000	.000	.000	.426
ELEVATION	1448.156	1446.114	1449.000	1452.000	1457.000	1442.000	1436.000	1432.000	1432.000	1431.426
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	2.577
VEL-E	-2.738	-3.380	.000	.000	.000	.000	.000	.000	.000	-4.818
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	4.253

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.489	.734	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1425.489	1421.734	1432.000	1440.000	1363.000	200.000	1305.000	1270.000	1260.000	1430.000
VEL-N	2.244	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-4.738	-4.067	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	-2.577	-2.244	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	4.780	4.680	.000	.000	.000	.000	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.000	.444	.687	.267	.123	.000	.000	.000	.000	.000
ELEVATION	1429.000	1411.444	1411.687	1414.267	1413.123	1415.000	1417.000	1423.000	1410.000	1405.000
VEL-N	.000	.000	.780	1.570	-.748	.000	.000	.000	.000	.000
VEL-E	.000	-4.680	-4.780	-4.253	.000	.000	.000	.000	.000	.000
VEL-S	.000	-.780	-1.570	.748	.000	.000	.000	.000	.000	.000
VEL-W	.000	6.857	4.271	3.464	.000	.000	.000	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.000	.172	.324	.267	.936	.000	.000	.000	.000	.000
ELEVATION	1403.000	1396.172	1398.324	1400.267	1385.936	1400.000	1388.000	1265.000	1260.000	1258.000
VEL-N	.000	-1.082	-1.075	3.246	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-3.464	-4.271	-6.857	.000	.000	.000	.000	.000
VEL-S	.000	.000	1.082	1.075	-3.246	.000	.000	.000	.000	.000
VEL-W	.000	.000	3.126	2.936	4.401	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.652
ELEVATION	1260.000	1300.000	200.000	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.652
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-4.464
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	3.407

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	1.117	.271	.540	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1381.117	1385.271	1380.540	1385.000	1385.000	1383.000	1402.000	1391.000	1384.000	1371.000
VEL-N	4.464	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-4.401	-2.936	-3.126	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	2.054	.000	3.155	.000	.000	.000	.000	.000	.000	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.228	.121	.290	.101	.000	.000	.000	.000	.000	.000
ELEVATION	1365.228	1375.121	1379.290	1363.101	1350.000	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	-1.276	2.268	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.155	.000	-2.054	-3.407	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	1.276	-2.268	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	1.584	.000	.000	.000	.000	.000	.000	.000

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.000	.006	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1345.000	1371.006	1345.000	1370.000	1370.000	1376.000	1380.000	1387.000	1380.000	1378.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	-1.584	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 1.25 (SECONDS) = .451E+04 (TOTAL TIMESTEP NUMBER) = 1.8E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 11397.25

NODE	1	2	3	4	5	6	7	8	9	10

DEPTH	.000	.000	.000	.000	.000	.000	.844	.366	.254	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.844	1561.366	1558.254	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-3.312	-1.500	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	3.312	1.500	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	11.164	4.279	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.090	.255	.587	.977	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.090	1540.255	1541.587	1542.977	1545.000	1362.000
VEL-N	.000	.000	.000	.000	-.297	-1.428	-2.190	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-4.279	-11.164	.000	.000
VEL-S	.000	.000	.000	.000	.000	.297	1.428	2.190	.000	.000
VEL-W	.000	.000	.000	.000	.000	4.041	5.280	7.952	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.254
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.254
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1.517
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	4.674

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	1.287	.440	.767	.000	.000	.000	.000	.000	.294	.231
ELEVATION	1522.287	1522.440	1520.767	1521.000	1525.000	1525.000	1510.000	1506.000	1502.294	1515.231
VEL-N	1.517	.353	-1.407	.000	.000	.000	.000	.000	-2.731	2.922
VEL-E	-7.952	-5.280	-4.041	.000	.000	.000	.000	.000	.000	-3.327
VEL-S	-.353	1.407	.000	.000	.000	.000	.000	.000	.000	2.731
VEL-W	6.785	4.480	3.327	.000	.000	.000	.000	.000	2.043	6.403

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.499	.725	.370	.252	.055	.000	.000	.000	.000	.000
ELEVATION	1505.499	1503.725	1501.370	1499.252	1498.055	1495.000	1359.000	1359.000	1349.000	1349.000
VEL-N	1.539	2.248	1.444	.000	.000	.000	.000	.000	.000	.000
VEL-E	-4.480	-6.785	-4.674	.000	.000	.000	.000	.000	.000	.000
VEL-S	-2.922	-1.539	-2.248	-1.444	.000	.000	.000	.000	.000	.000
VEL-W	4.252	8.828	5.394	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.266	.431	.766	.245	.343	.116	.000	.000
ELEVATION	1350.000	1477.000	1476.266	1478.431	1478.766	1486.245	1482.343	1487.116	1478.000	1494.000
VEL-N	.000	.000	.000	1.387	.895	2.411	-1.749	.000	.000	.000
VEL-E	.000	.000	.000	-5.394	-8.828	-4.252	-6.403	-2.043	.000	.000
VEL-S	.000	.000	-1.387	-.895	-2.411	1.749	.000	.000	.000	.000
VEL-W	.000	.000	3.703	4.787	8.785	3.386	4.032	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.000	.000	.318	.259	.715	.556	.371	.237
ELEVATION	1496.000	1476.000	1473.000	1470.000	1466.318	1466.259	1461.715	1458.556	1455.371	1454.236
VEL-N	.000	.000	.000	.000	.180	1.962	2.856	2.007	.910	.000
VEL-E	.000	.000	.000	.000	-4.032	-3.386	-8.785	-4.787	-3.703	.000
VEL-S	.000	.000	.000	.000	.000	-.180	-1.962	-2.856	-2.007	-.910
VEL-W	.000	.000	.000	.000	3.917	3.228	6.930	5.392	4.297	3.583

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	.688	.843	.482	.616	.710
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1430.688	1431.843	1435.482	1440.616	1445.710
VEL-N	.000	.000	.000	.000	.000	.000	1.655	2.209	2.856	3.242
VEL-E	.000	.000	.000	.000	.000	.000	-3.583	-4.297	-5.392	-6.930

VEL-S	.000	.000	.000	.000	.000	-1.655	-2.209	-2.856	-3.242	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	4.267	5.904	5.022

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.267	.386	.000	.000	.000	.000	.000	.569	.181	.472
ELEVATION	1448.267	1446.386	1449.000	1452.000	1457.000	1442.000	1436.000	1432.569	1432.181	1431.472
VEL-N	.000	.000	.000	.000	.000	.000	.000	.625	.000	2.776
VEL-E	-3.228	-3.917	.000	.000	.000	.000	.000	-3.746	.000	-5.022
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	-.625	.000
VEL-W	.000	3.746	.000	.000	.000	.000	.000	3.577	.000	4.541

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.560	.819	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1425.560	1421.819	1432.000	1440.000	1363.000	200.000	1305.000	1270.000	1260.000	1430.000
VEL-N	2.471	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-5.122	-4.267	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	-2.776	-2.471	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	5.266	5.147	.000	.000	.000	.000	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.000	.527	.801	.286	.253	.006	.352	.000	.000	.012
ELEVATION	1429.000	1411.527	1411.801	1414.286	1413.253	1415.006	1417.352	1423.000	1410.000	1405.012
VEL-N	.000	.000	.936	1.609	-.881	.000	.697	.000	.000	.000
VEL-E	.000	-5.147	-5.266	-4.541	.000	.000	-3.577	.000	.000	-1.386
VEL-S	.000	-.936	-1.609	.881	.000	-.697	.000	.000	.000	.000
VEL-W	.000	7.723	4.876	3.623	.000	.000	1.386	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.000	.289	.336	.344	1.122	.000	.000	.000	.000	.000
ELEVATION	1403.000	1396.289	1398.336	1400.344	1386.122	1400.000	1388.000	1265.000	1260.000	1258.000
VEL-N	.000	-1.246	-1.299	3.876	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-3.623	-4.876	-7.723	.000	.000	.000	.000	.000
VEL-S	.000	.000	1.246	1.299	-3.876	.000	.000	.000	.000	.000
VEL-W	.000	2.535	3.205	3.349	4.899	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.897
ELEVATION	1260.000	1300.000	200.000	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.897
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-4.547
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	5.946

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	1.000	.264	.409	.240	.000	.000	.000	.000	.000	.000
ELEVATION	1381.000	1385.265	1380.409	1385.240	1385.000	1383.000	1402.000	1391.000	1384.000	1371.000
VEL-N	4.547	1.652	-1.469	.000	.000	.000	.000	.000	.000	.000
VEL-E	-4.899	-3.349	-3.205	-2.535	.000	.000	.000	.000	.000	.000
VEL-S	-1.652	1.469	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	1.822	2.371	3.161	.000	.000	.000	.000	.000	.000	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	1.715	.254	.255	.584	.417	.000	.000	.000	.000	.000
ELEVATION	1366.715	1375.254	1379.255	1363.584	1350.417	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	-1.503	3.156	4.681	.000	.000	.000	.000	.000	.000
VEL-E	-3.161	-2.371	-1.822	-5.946	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	1.503	-3.156	-4.681	.000	.000	.000	.000	.000
VEL-W	.000	.000	2.396	5.062	5.007	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160

DEPTH	.000	.000	.000	.000	.000	.000	.000	.071	.055	.536
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	200.000	200.071	1330.055	1335.536
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	2.367
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-5.007
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	-2.367	-3.239
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	5.941

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.285	.258	.227	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1345.285	1371.258	1345.227	1370.000	1370.000	1376.000	1380.000	1387.000	1380.000	1378.000
VEL-N	3.239	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-5.062	-2.396	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	5.026	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.000	.000	.000	.000	.560	.273	.667	.030	.000
ELEVATION	1374.000	1370.000	1365.000	1335.000	1320.000	1315.560	1310.273	200.667	200.030	1376.000
VEL-N	.000	.000	.000	.000	.000	2.459	.000	.752	.000	.000
VEL-E	.000	.000	.000	.000	.000	-5.026	-5.941	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-2.459	.000	-.752	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.456	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	200.456	1330.000	1345.000	1360.000	1371.000	1371.000	1371.000	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.479	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.000	.000	.000	.000	.016	.000	.000
ELEVATION	1369.000	1370.000	1370.000	1371.000	1360.000	1330.000	200.000	200.016	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-.479	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 1.50 (SECONDS) = .541E+04 (TOTAL TIMESTEP NUMBER) = 2.1E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 10314.18

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.796	.342	.259	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.796	1561.342	1558.259	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-3.173	-1.464	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	3.173	1.464	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	10.743	4.094	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.134	.251	.551	.924	.000	.000

ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.134	1540.251	1541.551	1542.923	1545.000	1362.000
VEL-N	.000	.000	.000	.000	-.275	-1.367	-2.093	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-4.094	-10.743	.000	.000
VEL-S	.000	.000	.000	.000	.000	.275	1.367	2.093	.000	.000
VEL-W	.000	.000	.000	.000	.000	4.014	5.053	7.661	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.250
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1.427
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	4.663

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	1.221	.410	.726	.000	.000	.000	.000	.000	.253	.223
ELEVATION	1522.221	1522.410	1520.726	1521.000	1525.000	1525.000	1510.000	1506.000	1502.253	1515.223
VEL-N	1.427	.375	-1.349	.000	.000	.000	.000	.000	-2.601	2.848
VEL-E	-7.661	-5.053	-4.014	.000	.000	.000	.000	.000	.000	-3.202
VEL-S	-.375	1.349	.000	.000	.000	.000	.000	.000	.000	2.601
VEL-W	6.545	4.278	3.202	.000	.000	.000	.000	.000	2.409	6.231

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.464	.687	.356	.244	.094	.000	.000	.000	.000	.000
ELEVATION	1505.464	1503.687	1501.356	1499.244	1498.094	1495.000	1359.000	1359.000	1349.000	1349.000
VEL-N	1.467	2.165	1.444	.638	.000	.000	.000	.000	.000	.000
VEL-E	-4.278	-6.545	-4.663	.000	.000	.000	.000	.000	.000	.000
VEL-S	-2.848	-1.467	-2.165	-1.444	-.638	.000	.000	.000	.000	.000
VEL-W	4.097	8.519	5.256	3.615	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.287	.405	.726	.238	.363	.239	.051	.000
ELEVATION	1350.000	1477.000	1476.287	1478.405	1478.726	1486.238	1482.363	1487.239	1478.051	1494.000
VEL-N	.000	.000	.000	1.303	.848	2.386	-1.723	1.926	-1.589	.000
VEL-E	.000	.000	-3.615	-5.256	-8.519	-4.097	-6.231	-2.409	.000	.000
VEL-S	.000	.000	-1.303	-.848	-2.386	1.723	-1.926	1.589	.000	.000
VEL-W	.000	.000	.000	4.565	8.520	3.343	4.142	1.839	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.000	.059	.331	.253	.688	.522	.323	.233
ELEVATION	1496.000	1476.000	1473.000	1470.059	1466.331	1466.253	1461.688	1458.521	1455.323	1454.233
VEL-N	.000	.000	.000	.000	.216	1.937	2.767	1.925	.884	.000
VEL-E	.000	.000	.000	-1.839	-4.142	-3.343	-8.520	-4.565	.000	.000
VEL-S	.000	.000	.000	.000	.000	-.216	-1.937	-2.767	-1.925	-.884
VEL-W	.000	.000	.000	.000	4.026	3.226	6.744	5.165	4.161	3.535

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	1.718	.979	.460	.579	.671
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1431.718	1431.979	1435.459	1440.579	1445.671
VEL-N	.000	.000	.000	.000	.000	.000	.923	2.093	2.750	3.110
VEL-E	.000	.000	.000	.000	.000	.000	-3.535	-4.161	-5.165	-6.744
VEL-S	.000	.000	.000	.000	.000	-.923	-2.093	-2.750	-3.110	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	4.133	5.674	4.846

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.273	.379	.000	.000	.000	.000	.000	.398	.249	.453
ELEVATION	1448.273	1446.379	1449.000	1452.000	1457.000	1442.000	1436.000	1432.398	1432.249	1431.453
VEL-N	.000	.000	.000	.000	.000	.000	.000	.345	.000	2.711
VEL-E	-3.226	-4.026	.000	.000	.000	.000	.000	-3.695	.000	-4.846
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	-.345	.000

VEL-W	.000	3.695	.000	.000	.000	.000	.000	3.281	.000	4.428

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.536	.782	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1425.536	1421.782	1432.000	1440.000	1363.000	200.000	1305.000	1270.000	1260.000	1430.000
VEL-N	2.404	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-4.946	-4.133	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	-2.711	-2.404	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	5.116	5.003	.000	.000	.000	.000	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.000	.508	.772	.275	.251	.254	.423	.000	.000	.348
ELEVATION	1429.000	1411.508	1411.772	1414.275	1413.251	1415.254	1417.423	1423.000	1410.000	1405.348
VEL-N	.000	.000	.897	1.574	-.880	.000	1.113	.000	.000	.940
VEL-E	.000	-5.003	-5.116	-4.428	.000	.000	-3.281	.000	.000	-2.513
VEL-S	.000	-.897	-1.574	.880	.000	-1.113	.000	.000	.000	.000
VEL-W	.000	7.549	4.766	3.531	3.224	.000	2.513	.000	.000	3.760

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.152	.386	.323	.337	1.096	.000	.000	.000	.000	.000
ELEVATION	1403.152	1396.386	1398.323	1400.337	1386.096	1400.000	1388.000	1265.000	1260.000	1258.000
VEL-N	.000	-1.236	-1.272	3.807	.000	.000	.000	.000	.000	.000
VEL-E	.000	-3.224	-3.531	-4.766	-7.549	.000	.000	.000	.000	.000
VEL-S	-.940	.000	1.236	1.272	-3.807	.000	.000	.000	.000	.000
VEL-W	.000	2.884	3.117	3.195	4.892	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.881
ELEVATION	1260.000	1300.000	200.000	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.881
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-4.584
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	5.999

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	1.011	.271	.469	.276	.032	.454	.000	.000	.000	.280
ELEVATION	1381.011	1385.271	1380.469	1385.276	1385.032	1383.454	1402.000	1391.000	1384.000	1371.280
VEL-N	4.584	.000	.000	.000	.000	.000	.000	.000	.000	1.181
VEL-E	-4.892	-3.195	-3.117	-2.884	.000	-3.760	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	1.849	.000	3.380	.000	.000	.000	.000	.000	.000	.375

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	3.422	.243	.283	.582	.486	.000	.000	.000	.000	.000
ELEVATION	1368.422	1375.243	1379.283	1363.582	1350.486	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	.000	.000	5.032	.000	.000	.000	.000	.000	.000
VEL-E	-3.380	.000	-1.849	-5.999	.000	.000	.000	.000	.000	.000
VEL-S	-1.181	.000	.000	.000	-5.032	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	5.239	5.582	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	.064	.862	.080	.660
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	200.064	200.862	1330.080	1335.660
VEL-N	.000	.000	.000	.000	.000	.000	.000	.957	.000	2.804
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-5.582
VEL-S	.000	.000	.000	.000	.000	.000	-.957	.000	-2.804	-3.250
VEL-W	.000	.000	.000	.000	.000	.000	.000	-1.422	.000	6.709

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.294	.197	.250	.000	.009	.000	.000	.000	.000	.000

ELEVATION	1345.294	1371.197	1345.250	1370.000	1370.009	1376.000	1380.000	1387.000	1380.000	1378.000
VEL-N	3.250	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-5.239	.000	.000	.000	-.375	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	5.052	.000	2.775	.000	.000	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.000	.000	.290	.307	.854	.321	1.757	1.382	.000
ELEVATION	1374.000	1370.000	1365.000	1335.290	1320.307	1315.854	1310.321	201.757	201.382	1376.000
VEL-N	.000	.000	.000	3.589	1.938	3.183	.000	1.816	.000	.000
VEL-E	.000	.000	.000	-2.775	.000	-5.052	-6.709	.000	1.422	.000
VEL-S	.000	.000	.000	.000	-3.589	-1.938	-3.183	.000	-1.816	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	1.471	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	201.471	1330.000	1345.000	1360.000	1371.000	1371.000	1371.000	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	1.638	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.000	.000	.000	.115	1.011	.000	.000
ELEVATION	1369.000	1370.000	1370.000	1371.000	1360.000	1330.000	200.115	201.011	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-1.153	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.638	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	1.153	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 1.75 (SECONDS) = .631E+04 (TOTAL TIMESTEP NUMBER) = 2.4E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 8164.18

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.694	.297	.260	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.694	1561.297	1558.260	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-2.880	-1.383	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	2.880	1.383	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	9.820	3.736	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.174	.262	.482	.812	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.174	1540.262	1541.482	1542.812	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	-1.244	-1.893	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-3.736	-9.820	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.244	1.893	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	4.638	7.048	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.273
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.273

VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1.252
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	1.091	.361	.655	.000	.000	.000	.000	.000	.236	.292
ELEVATION	1522.091	1522.361	1520.655	1521.000	1525.000	1525.000	1510.000	1506.000	1502.236	1515.292
VEL-N	1.252	.413	-1.240	.000	.000	.000	.000	.000	.000	.000
VEL-E	-7.048	-4.638	.000	.000	.000	.000	.000	.000	.000	-3.065
VEL-S	-.413	1.240	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	6.081	3.942	3.065	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.385	.617	.288	.257	.134	.000	.000	.000	.000	.000
ELEVATION	1505.385	1503.617	1501.288	1499.257	1498.134	1495.000	1359.000	1359.000	1349.000	1349.000
VEL-N	1.344	2.004	1.353	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.942	-6.081	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	-1.344	-2.004	-1.353	.000	.000	.000	.000	.000	.000
VEL-W	3.822	7.948	4.880	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.258	.359	.641	.276	.273	.238	.123	.000
ELEVATION	1350.000	1477.000	1476.258	1478.359	1478.641	1486.276	1482.273	1487.238	1478.123	1494.000
VEL-N	.000	.000	.000	1.229	.765	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-4.880	-7.948	-3.822	.000	.000	.000	.000
VEL-S	.000	.000	-1.229	-.765	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	4.218	8.032	.000	4.004	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.000	.148	.313	.214	.634	.473	.307	.239
ELEVATION	1496.000	1476.000	1473.000	1470.148	1466.313	1466.214	1461.634	1458.473	1455.307	1454.239
VEL-N	.000	.000	.000	.000	.203	1.865	2.610	1.820	.847	.000
VEL-E	.000	.000	.000	.000	-4.004	.000	-8.032	-4.218	.000	.000
VEL-S	.000	.000	.000	.000	.000	-.203	-1.865	-2.610	-1.820	-.847
VEL-W	.000	.000	.000	.000	3.874	3.165	6.399	4.849	4.016	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.266	1.283	.436	.529	.631
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.266	1432.283	1435.436	1440.529	1445.631
VEL-N	.000	.000	.000	.000	.000	.000	.420	1.917	2.615	2.943
VEL-E	.000	.000	.000	.000	.000	.000	.000	-4.016	-4.849	-6.399
VEL-S	.000	.000	.000	.000	.000	-.420	-1.917	-2.615	-2.943	-1.243
VEL-W	.000	.000	.000	.000	.000	.000	.535	3.996	5.350	4.605

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.243	.366	.000	.000	.000	.000	.000	.383	.267	.421
ELEVATION	1448.243	1446.366	1449.000	1452.000	1457.000	1442.000	1436.000	1432.383	1432.267	1431.421
VEL-N	1.243	-1.055	.000	.000	.000	.000	.000	.327	.000	2.584
VEL-E	-3.165	-3.874	.000	.000	.000	.000	.000	-3.555	-2.992	-4.605
VEL-S	1.055	.000	.000	.000	.000	.000	.000	.000	-.327	.000
VEL-W	2.992	3.555	.000	.000	.000	.000	.000	3.198	.000	4.223

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.497	.740	.173	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1425.497	1421.740	1432.173	1440.000	1363.000	200.000	1305.000	1270.000	1260.000	1430.000
VEL-N	2.292	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-4.686	-3.996	-.535	.000	.000	.000	.000	.000	.000	.000
VEL-S	-2.584	-2.292	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	4.876	4.820	.000	.000	.000	.000	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.000	.480	.727	.257	.249	.247	.456	.000	.000	.251
ELEVATION	1429.000	1411.480	1411.727	1414.257	1413.249	1415.247	1417.456	1423.000	1410.000	1405.251
VEL-N	.000	.000	.836	1.512	-.830	1.056	1.172	.000	.000	.864
VEL-E	.000	-4.820	-4.876	-4.223	.000	.000	-3.198	.000	.000	-2.352
VEL-S	.000	-.836	-1.512	.830	-1.056	-1.172	.000	.000	.000	.000
VEL-W	.000	7.275	4.569	3.376	.000	2.553	2.352	.000	.000	2.887

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.254	.447	.306	.313	1.037	.000	.000	.000	.000	.000
ELEVATION	1403.254	1396.447	1398.306	1400.313	1386.037	1400.000	1388.000	1265.000	1260.000	1258.000
VEL-N	.000	-1.156	-1.219	3.640	.000	.000	.000	.000	.000	.000
VEL-E	-2.553	.000	-3.376	-4.569	-7.275	.000	.000	.000	.000	.000
VEL-S	-.864	.000	1.156	1.219	-3.640	.000	.000	.000	.000	.000
VEL-W	.000	3.303	3.003	3.141	4.717	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.833
ELEVATION	1260.000	1300.000	200.000	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.833
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-4.419
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	5.794

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.971	.240	.504	.290	.238	1.132	.000	.000	.000	.440
ELEVATION	1380.971	1385.240	1380.504	1385.290	1385.238	1384.132	1402.000	1391.000	1384.000	1371.440
VEL-N	4.419	1.551	-1.361	1.496	-.176	.000	.000	.000	.000	1.006
VEL-E	-4.717	-3.141	-3.003	-3.303	.000	-2.887	.000	.000	.000	-2.545
VEL-S	-1.551	1.361	-1.496	.176	.000	.000	.000	.000	.000	.000
VEL-W	1.764	2.318	3.170	2.545	.000	.000	.000	.000	.000	.559

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.175	.252	.266	.557	.464	.000	.000	.000	.000	.000
ELEVATION	1370.175	1375.252	1379.266	1363.557	1350.464	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	.000	.000	4.881	.000	.000	.000	.000	.000	.000
VEL-E	-3.170	-2.318	-1.764	-5.794	.000	.000	.000	.000	.000	.000
VEL-S	-1.006	.000	.000	.000	-4.881	.000	.000	.000	.000	.000
VEL-W	.857	.000	.000	5.029	5.424	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	1.789	1.968	.096	.605
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	201.789	201.968	1330.096	1335.605
VEL-N	.000	.000	.000	.000	.000	.000	.000	1.402	.000	2.593
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-5.424
VEL-S	.000	.000	.000	.000	.000	.000	-1.402	.000	-2.593	-3.056
VEL-W	.000	.000	.000	.000	.000	.000	.000	-1.394	.000	5.172

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.271	.246	.255	.206	.096	.000	.000	.000	.000	.000
ELEVATION	1345.271	1371.246	1345.255	1370.206	1370.096	1376.000	1380.000	1387.000	1380.000	1378.000
VEL-N	3.056	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-5.029	.000	.000	-.857	-.559	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	4.722	.000	2.750	.000	.000	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.000	.000	.256	.304	.986	.091	2.433	2.237	.000
ELEVATION	1374.000	1370.000	1365.000	1335.256	1320.304	1315.986	1310.091	202.433	202.237	1376.000

VEL-N	.000	.000	.000	3.287	1.927	3.167	.000	2.169	.000	.000
VEL-E	.000	.000	.000	-2.750	.000	-4.722	-5.172	.000	1.394	.000
VEL-S	.000	.000	.000	.000	-3.287	-1.927	-3.167	.000	-2.169	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	2.058	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	202.058	1330.000	1345.000	1360.000	1371.000	1371.000	1371.000	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	2.015	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.000	.000	.000	1.349	1.748	.000	.000
ELEVATION	1369.000	1370.000	1370.000	1371.000	1360.000	1330.000	201.349	201.748	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-1.524	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-2.015	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	1.524	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	1.647	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	.004	.357	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	200.004	200.357	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	-.313	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.647	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.313	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.313	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	.004	.000	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	200.004	200.000	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-.313	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 2.00 (SECONDS) = .721E+04 (TOTAL TIMESTEP NUMBER) = 2.7E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 6003.49

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.577	.263	.253	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.577	1561.263	1558.253	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-2.566	-1.317	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	2.566	1.317	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	8.700	3.489	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.206	.247	.395	.684	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.206	1540.247	1541.395	1542.684	1545.000	1362.000
VEL-N	.000	.000	.000	.000	-.214	-1.109	-1.653	.000	.000	.000

VEL-E	.000	.000	.000	.000	.000	.000	-3.489	-8.700	.000	.000
VEL-S	.000	.000	.000	.000	.000	.214	1.109	1.653	.000	.000
VEL-W	.000	.000	.000	.000	.000	4.052	4.039	6.304	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.259
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.259
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1.044
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.935	.295	.555	.000	.000	.000	.000	.000	.264	.202
ELEVATION	1521.935	1522.295	1520.555	1521.000	1525.000	1525.000	1510.000	1506.000	1502.264	1515.202
VEL-N	1.044	.416	-1.107	.000	.000	.000	.000	.000	-2.542	2.778
VEL-E	-6.304	-4.039	-4.052	.000	.000	.000	.000	.000	.000	-2.730
VEL-S	-.416	1.107	.000	.000	.000	.000	.000	.000	.000	2.542
VEL-W	5.482	3.446	2.730	.000	.000	.000	.000	.000	.000	6.046

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.330	.528	.278	.241	.176	.000	.000	.000	.000	.000
ELEVATION	1505.330	1503.528	1501.278	1499.241	1498.176	1495.000	1359.000	1359.000	1349.000	1349.000
VEL-N	1.182	1.825	1.305	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.446	-5.482	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	-2.778	-1.182	-1.825	-1.305	.000	.000	.000	.000	.000	.000
VEL-W	3.659	7.180	4.543	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.241	.277	.560	.246	.321	.209	.196	.000
ELEVATION	1350.000	1477.000	1476.241	1478.277	1478.560	1486.246	1482.321	1487.209	1478.196	1494.000
VEL-N	.000	.000	.000	1.093	.643	2.559	-1.841	1.961	-2.056	.000
VEL-E	.000	.000	.000	-4.543	-7.180	-3.659	-6.046	.000	.000	.000
VEL-S	.000	.000	-1.093	-.643	-2.559	1.841	-1.961	2.056	.000	.000
VEL-W	.000	.000	3.504	3.467	7.237	3.288	3.688	2.493	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.000	.242	.279	.240	.542	.397	.291	.247
ELEVATION	1496.000	1476.000	1473.000	1470.242	1466.279	1466.240	1461.542	1458.397	1455.291	1454.247
VEL-N	.000	.000	.000	.000	.189	.000	2.375	1.631	.786	.000
VEL-E	.000	.000	.000	-2.493	-3.688	-3.288	-7.237	-3.467	-3.504	.000
VEL-S	.000	.000	.000	.000	.000	-.189	.000	-2.375	-1.631	-.786
VEL-W	.000	.000	.000	.000	3.597	.000	5.893	4.357	3.619	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.451	1.476	.383	.457	.562
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.451	1432.476	1435.383	1440.457	1445.562
VEL-N	.000	.000	.000	.000	.000	.000	-.306	1.696	2.380	2.719
VEL-E	.000	.000	.000	.000	.000	.000	.000	-3.619	-4.357	-5.893
VEL-S	.000	.000	.000	.000	.000	.306	-1.696	-2.380	-2.719	.000
VEL-W	.000	.000	.000	.000	.000	.000	.744	3.664	4.843	4.246

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.241	.301	.000	.000	.000	.000	.000	.344	.232	.358
ELEVATION	1448.241	1446.301	1449.000	1452.000	1457.000	1442.000	1436.000	1432.344	1432.232	1431.358
VEL-N	.000	.000	.000	.000	.000	.000	.000	.285	.000	2.329
VEL-E	.000	-3.597	.000	.000	.000	.000	.000	-3.136	.000	-4.246
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	-.285	.000
VEL-W	.000	3.136	.000	.000	.000	.000	.000	3.004	.000	4.045

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.429	.735	.261	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1425.429	1421.735	1432.261	1440.000	1363.000	200.000	1305.000	1270.000	1260.000	1430.000
VEL-N	2.063	-2.531	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-4.248	-3.664	-.744	.000	.000	.000	.000	.000	.000	.000
VEL-S	-2.329	-2.063	2.531	.000	.000	.000	.000	.000	.000	.000
VEL-W	4.424	4.752	1.132	.000	.000	.000	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.072	.463	.648	.269	.254	.244	.408	.000	.000	.261
ELEVATION	1429.072	1411.463	1411.648	1414.269	1413.254	1415.244	1417.408	1423.000	1410.000	1405.261
VEL-N	.000	.000	.675	1.626	-.882	1.081	1.108	.000	.000	.882
VEL-E	-1.132	-4.752	-4.424	-4.045	.000	.000	-3.004	.000	.000	-2.274
VEL-S	.000	-.675	-1.626	.882	-1.081	-1.108	.000	.000	.000	.000
VEL-W	.000	7.128	4.201	3.493	3.175	2.544	2.274	.000	.000	2.942

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.253	.400	.270	.274	.983	.000	.000	.000	.000	.000
ELEVATION	1403.253	1396.400	1398.270	1400.274	1385.983	1400.000	1388.000	1265.000	1260.000	1258.000
VEL-N	.000	-1.050	-1.110	3.341	.000	.000	.000	.000	.000	.000
VEL-E	-2.544	-3.175	-3.493	-4.201	-7.128	.000	.000	.000	.000	.000
VEL-S	-.882	.000	1.050	1.110	-3.341	.000	.000	.000	.000	.000
VEL-W	.000	3.026	2.702	2.955	4.546	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.787
ELEVATION	1260.000	1300.000	200.000	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.787
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-4.252
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	5.560

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.908	.264	.466	.272	.273	1.836	.000	.000	.075	.464
ELEVATION	1380.908	1385.264	1380.466	1385.272	1385.273	1384.836	1402.000	1391.000	1384.075	1371.464
VEL-N	4.252	.000	.000	1.445	.000	-.554	.000	.000	.000	.970
VEL-E	-4.546	-2.955	-2.702	-3.026	.000	-2.942	.000	.000	-.649	-2.451
VEL-S	.000	.000	-1.445	.000	.554	.000	.000	.000	.000	.000
VEL-W	1.687	.000	3.033	2.451	.649	.000	.000	.000	.000	.671

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.350	.220	.267	.523	.435	.000	.000	.000	.000	.000
ELEVATION	1370.350	1375.220	1379.267	1363.523	1350.435	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	-1.748	.000	.000	4.674	.000	.000	.000	.000	.000	.000
VEL-E	-3.033	.000	-1.687	-5.560	.000	.000	.000	.000	.000	.000
VEL-S	-.970	1.748	.000	.000	-4.674	.000	.000	.000	.000	.000
VEL-W	1.416	4.793	.000	4.814	5.199	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	3.103	3.104	.058	.552
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	203.103	203.104	1330.058	1335.552
VEL-N	.000	.000	.000	.000	.000	.000	.000	.581	.000	2.458
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-5.199
VEL-S	.000	.000	.000	.000	.000	.000	-.581	.000	-2.458	-2.933
VEL-W	.000	.000	.000	.000	.000	.000	.000	-.928	.000	6.321

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.291	.131	.635	.358	.315	.000	.000	.000	.000	.000
ELEVATION	1345.292	1371.131	1345.635	1370.358	1370.315	1376.000	1380.000	1387.000	1380.000	1378.000
VEL-N	2.933	4.825	-4.815	5.065	.098	.000	.000	.000	.000	.000

VEL-E	-4.814	.000	-4.793	-1.416	-.671	.000	.000	.000	.000	.000
VEL-S	-4.825	4.815	-5.065	-.098	.000	.000	.000	.000	.000	.000
VEL-W	4.513	6.762	4.335	1.385	.188	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.006	.030	.471	.690	1.211	.385	3.089	3.114	.000
ELEVATION	1374.000	1370.006	1365.030	1335.471	1320.690	1316.211	1310.385	203.089	203.114	1376.000
VEL-N	.000	.000	.000	4.872	3.229	4.075	.000	.791	.000	.000
VEL-E	.000	-.188	-.936	-4.335	-6.762	-4.513	-6.321	.000	.928	.000
VEL-S	.000	.000	.000	.000	-4.872	-3.229	-4.075	.000	-.791	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	2.100	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	202.100	1330.000	1345.000	1360.000	1371.000	1371.000	1371.000	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	1.179	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.000	.000	.000	1.729	2.013	.000	.000
ELEVATION	1369.000	1370.000	1370.000	1371.000	1360.000	1330.000	201.729	202.013	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-1.596	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.179	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	1.596	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	1.749	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	.532	1.195	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	200.532	201.195	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	-1.394	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.749	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	1.394	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.533	1.394	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	.532	.043	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	200.532	200.043	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-.533	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-1.394	-.533	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.533	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 2.25 (SECONDS) = .810E+04 (TOTAL TIMESTEP NUMBER) = 3.1E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 3252.13

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.399	.241	.254	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.399	1561.241	1558.254	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-2.122	-1.292	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

VEL-S	.000	.000	.000	.000	.000	.000	2.122	1.292	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	6.836	3.363	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.226	.245	.295	.489	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.226	1540.245	1541.296	1542.490	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	-.926	-1.289	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-3.363	-6.836	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.926	1.289	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	3.540	5.065	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.231
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.231
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.742
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	4.658

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.707	.268	.429	.000	.000	.000	.000	.000	.245	.250
ELEVATION	1521.707	1522.268	1520.429	1521.000	1525.000	1525.000	1510.000	1506.000	1502.245	1515.250
VEL-N	.742	.496	-1.076	.000	.000	.000	.000	.000	.000	.000
VEL-E	-5.065	-3.540	.000	.000	.000	.000	.000	.000	.000	-2.410
VEL-S	-.496	1.076	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	4.557	3.177	2.410	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.271	.397	.269	.247	.209	.000	.000	.000	.000	.000
ELEVATION	1505.271	1503.397	1501.269	1499.247	1498.208	1495.000	1359.000	1359.000	1349.000	1349.000
VEL-N	.000	1.541	1.231	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.177	-4.557	-4.658	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	-1.541	-1.231	.000	.000	.000	.000	.000	.000
VEL-W	.000	6.004	4.174	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.240	.274	.429	.224	.245	.250	.242	.000
ELEVATION	1350.000	1477.000	1476.240	1478.274	1478.429	1486.224	1482.245	1487.250	1478.242	1494.000
VEL-N	.000	.000	.000	.000	.471	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-4.174	-6.004	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.471	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	6.119	.000	3.635	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.000	.235	.267	.237	.430	.293	.241	.242
ELEVATION	1496.000	1476.000	1473.000	1470.235	1466.267	1466.237	1461.430	1458.293	1455.241	1454.242
VEL-N	.000	.000	.000	.000	.000	2.023	1.974	1.430	.749	.000
VEL-E	.000	.000	.000	.000	-3.635	.000	-6.119	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-2.023	-1.974	-1.430	-.749
VEL-W	.000	.000	.000	.000	3.468	3.149	4.887	3.692	3.402	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.461	1.480	.327	.368	.451
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.461	1432.480	1435.327	1440.368	1445.451
VEL-N	.000	.000	.000	.000	.000	.000	-.378	1.506	2.091	2.358
VEL-E	.000	.000	.000	.000	.000	.000	.000	-3.402	-3.692	-4.887
VEL-S	.000	.000	.000	.000	.000	.378	-1.506	-2.091	-2.358	.000
VEL-W	.000	.000	.000	.000	.000	.000	.790	3.295	4.202	3.655

NODE	81	82	83	84	85	86	87	88	89	90

DEPTH	.244	.269	.026	.000	.000	.000	.000	.301	.244	.278
ELEVATION	1448.244	1446.269	1449.026	1452.000	1457.000	1442.000	1436.000	1432.301	1432.244	1431.278
VEL-N	.000	.000	.000	.000	.000	.000	.000	.196	.000	1.977
VEL-E	-3.149	-3.468	.000	.000	.000	.000	.000	-2.898	.000	-3.655
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	-.196	.000
VEL-W	.000	2.898	.000	.000	.000	.000	.000	2.737	.000	3.645

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.350	.623	.266	.000	.000	.138	.000	.000	.000	.000
ELEVATION	1425.350	1421.623	1432.266	1440.000	1363.000	200.138	1305.000	1270.000	1260.000	1430.000
VEL-N	1.809	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.700	-3.295	-.790	.000	.000	-1.152	.000	.000	.000	.000
VEL-S	-1.977	-1.809	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	3.876	4.305	.000	.000	.000	.000	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.214	.421	.534	.254	.244	.241	.333	.000	.000	.255
ELEVATION	1429.214	1411.422	1411.534	1414.254	1413.244	1415.241	1417.333	1423.000	1410.000	1405.255
VEL-N	.000	-3.942	.522	1.608	-.841	1.045	1.003	.000	.000	.893
VEL-E	.000	-4.305	-3.876	-3.645	.000	.000	-2.737	.000	.000	-2.088
VEL-S	3.942	-.522	-1.608	.841	-1.045	-1.003	.000	.000	.000	.000
VEL-W	3.178	6.417	3.837	3.347	.000	2.589	2.088	.000	.000	2.879

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.268	.316	.270	.266	.857	.011	.000	.000	.000	.000
ELEVATION	1403.268	1396.316	1398.270	1400.266	1385.857	1400.010	1388.000	1265.000	1260.000	1258.000
VEL-N	.000	.000	-1.088	3.366	.000	.000	.000	.000	.000	.000
VEL-E	-2.589	.000	-3.347	-3.837	-6.417	-3.178	.000	.000	.000	.000
VEL-S	-.893	.000	.000	1.088	-3.366	.000	.000	.000	.000	.000
VEL-W	.000	2.759	.000	2.950	4.145	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.725
ELEVATION	1260.000	1300.000	200.000	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.725
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-3.938
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	5.184

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.794	.259	.392	.271	.299	2.330	.000	.000	.202	.387
ELEVATION	1380.794	1385.259	1380.392	1385.271	1385.299	1385.330	1402.000	1391.000	1384.202	1371.387
VEL-N	3.938	.000	.000	.000	.192	.000	.000	.000	.000	.873
VEL-E	-4.145	-2.950	.000	-2.759	.000	-2.879	.000	.000	-.788	.000
VEL-S	.000	.000	.000	-.192	.000	.000	.000	.000	.000	.000
VEL-W	1.531	.000	2.804	.000	.788	.000	.000	.000	.000	.627

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.298	.230	.233	.474	.396	.000	.000	.000	.000	.000
ELEVATION	1370.298	1375.230	1379.233	1363.474	1350.396	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	-1.449	3.003	4.317	.000	.000	.000	.000	.000	.000
VEL-E	-2.804	.000	-1.531	-5.184	.000	.000	.000	.000	.000	.000
VEL-S	-.873	.000	1.449	-3.003	-4.317	.000	.000	.000	.000	.000
VEL-W	1.363	.000	2.291	4.604	4.906	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	4.114	3.501	.230	.524
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	204.114	203.501	1330.230	1335.524
VEL-N	.000	.000	.000	.000	.000	.000	.000	3.879	.000	2.713
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-4.906

VEL-S	.000	.000	.000	.000	.000	.000	-3.879	.000	-2.713	-3.118
VEL-W	.000	.000	.000	.000	.000	.000	.000	4.276	.000	4.747

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.264	.242	.476	.312	.448	.000	.000	.000	.000	.000
ELEVATION	1345.264	1371.242	1345.476	1370.312	1370.448	1376.000	1380.000	1387.000	1380.000	1378.000
VEL-N	3.118	.000	.000	4.641	.317	.000	.000	.000	.000	.000
VEL-E	-4.604	-2.291	.000	-1.363	-.627	.000	.000	.000	.000	.000
VEL-S	.000	.000	-4.641	-.317	.000	.000	.000	.000	.000	.000
VEL-W	4.766	.000	4.129	1.822	.292	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.053	.250	.479	.686	1.410	.108	4.077	4.521	.000
ELEVATION	1374.000	1370.053	1365.250	1335.479	1320.686	1316.411	1310.108	204.077	204.521	1376.000
VEL-N	.000	.000	.000	4.991	3.351	4.145	.000	4.989	.000	.000
VEL-E	.000	-.292	-1.496	-4.129	.000	-4.766	-4.747	.000	-4.276	.000
VEL-S	.000	.000	.000	.000	-4.991	-3.351	-4.145	.000	-4.989	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	2.254	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	202.254	1330.000	1345.000	1360.000	1371.000	1371.000	1371.000	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	1.706	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.000	.000	.000	1.843	2.096	.000	.000
ELEVATION	1369.000	1370.000	1370.000	1371.000	1360.000	1330.000	201.843	202.096	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-1.383	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.706	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	1.383	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	1.775	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	1.154	1.380	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	201.154	201.380	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	-1.056	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.775	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	1.056	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.814	1.056	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	1.154	.996	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	201.154	200.996	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-.814	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-1.056	-.814	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.814	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	1.152	.000	.000

MIN. TIMESTEP(SEC.) = 26.50 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 29.57

MODEL TIME(HOURS) = 2.50 (SECONDS) = .900E+04 (TOTAL TIMESTEP NUMBER) = 4.1E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 2700.00

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.345	.251	.238	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.345	1561.251	1558.238	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-1.951	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.951	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	6.145	.000	3.715	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.236	.256	.247	.399	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.236	1540.256	1541.247	1542.399	1545.000	1362.000
VEL-N	.000	.000	.000	.000	-.112	-.884	-1.113	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-3.715	.000	-6.145	.000	.000
VEL-S	.000	.000	.000	.000	.000	.112	.884	1.113	.000	.000
VEL-W	.000	.000	.000	.000	.000	3.904	3.296	4.390	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.235
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.235
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.537
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	4.570

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.559	.245	.294	.000	.000	.000	.000	.000	.241	.257
ELEVATION	1521.559	1522.245	1520.294	1521.000	1525.000	1525.000	1510.000	1506.000	1502.241	1515.257
VEL-N	.537	.519	-1.049	.000	.000	.000	.000	.000	.000	.000
VEL-E	-4.390	-3.296	-3.904	.000	.000	.000	.000	.000	.000	-2.020
VEL-S	-.519	1.049	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	3.784	3.067	2.020	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.261	.290	.265	.232	.233	.000	.000	.000	.000	.000
ELEVATION	1505.261	1503.290	1501.265	1499.232	1498.233	1495.000	1359.000	1359.000	1349.000	1349.000
VEL-N	.000	1.293	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.067	-3.784	-4.570	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	-1.293	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	4.812	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.249	.236	.317	.218	.241	.220	.256	.000
ELEVATION	1350.000	1477.000	1476.249	1478.236	1478.317	1486.218	1482.241	1487.220	1478.256	1494.000
VEL-N	.000	.000	.000	.000	.273	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-4.812	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.273	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	3.424	.000	4.925	.000	3.492	.000	1.002	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.040	.247	.264	.241	.306	.249	.258	.236
ELEVATION	1496.000	1476.000	1473.040	1470.247	1466.264	1466.241	1461.306	1458.249	1455.258	1454.236
VEL-N	.000	.000	.000	.000	-.099	2.009	1.629	1.294	.000	.000
VEL-E	.000	.000	-1.002	.000	-3.492	.000	-4.925	.000	-3.424	.000
VEL-S	.000	.000	.000	.000	.000	.099	-2.009	-1.629	-1.294	.000
VEL-W	.000	.000	.000	.000	.000	3.127	3.898	3.261	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.402	1.392	.257	.275	.306

ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.402	1432.391	1435.257	1440.275	1445.306
VEL-N	.000	.000	.000	.000	.000	.000	.000	1.325	1.766	1.859
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	-3.261	-3.898
VEL-S	.000	.000	.000	.000	.000	.000	-1.325	-1.766	-1.859	.000
VEL-W	.000	.000	.000	.000	.000	.000	.603	2.906	3.456	3.028

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.239	.247	.048	.000	.000	.000	.000	.259	.243	.245
ELEVATION	1448.239	1446.246	1449.048	1452.000	1457.000	1442.000	1436.000	1432.259	1432.243	1431.245
VEL-N	.000	.000	.000	.000	.000	.000	.000	.092	.000	1.845
VEL-E	-3.127	.000	.000	.000	.000	.000	.000	-2.853	.000	-3.028
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	-.092	.000
VEL-W	.000	2.853	.000	.000	.000	.000	.000	2.428	.000	3.450

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.259	.453	.252	.000	.000	1.064	.000	.000	.000	.000
ELEVATION	1425.259	1421.453	1432.252	1440.000	1363.000	201.064	1305.000	1270.000	1260.000	1430.000
VEL-N	1.485	-2.529	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.017	-2.906	-.603	.000	.000	-1.324	.000	.000	.000	.000
VEL-S	-1.845	-1.485	2.529	.000	.000	.000	.000	.000	.000	.000
VEL-W	3.150	3.466	1.439	.000	.000	1.264	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.244	.304	.357	.247	.241	.236	.260	.000	.000	.245
ELEVATION	1429.244	1411.304	1411.357	1414.247	1413.241	1415.236	1417.260	1423.000	1410.000	1405.245
VEL-N	.000	.000	.236	1.618	-.830	.000	.000	.000	.000	.000
VEL-E	-1.439	-3.466	-3.150	-3.450	.000	.000	-2.428	.000	.000	.000
VEL-S	.000	-.236	-1.618	.830	.000	.000	.000	.000	.000	.000
VEL-W	.000	5.441	3.170	3.291	.000	.000	.000	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.234	.265	.257	.246	.690	.065	.000	.000	.000	.000
ELEVATION	1403.234	1396.265	1398.257	1400.246	1385.690	1400.065	1388.000	1265.000	1260.000	1258.000
VEL-N	.000	.000	-1.060	3.265	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-3.291	-3.170	-5.441	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	1.060	-3.265	.000	.000	.000	.000	.000
VEL-W	.000	2.540	.000	2.933	3.574	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	.233	.000	.000	.000	.000	.000	.000	.621
ELEVATION	1260.000	1300.000	200.233	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.621
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-1.264	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-3.451
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	4.632

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.636	.263	.310	.256	.395	2.400	.000	.000	.247	.398
ELEVATION	1380.636	1385.263	1380.310	1385.256	1385.395	1385.400	1402.000	1391.000	1384.247	1371.398
VEL-N	3.451	.000	.000	.000	.353	.000	.000	.000	2.258	.883
VEL-E	-3.574	-2.933	.000	-2.540	.000	.000	.000	.000	-.959	.000
VEL-S	.000	.000	.000	-.353	.000	.000	.000	.000	.000	-2.258
VEL-W	1.296	.000	2.335	.000	.959	.000	.000	.000	1.260	.607

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.278	.227	.232	.393	.333	.000	.000	.000	.000	.000
ELEVATION	1370.278	1375.227	1379.232	1363.393	1350.333	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	-1.437	2.971	3.818	.000	.000	.000	.000	.000	.000
VEL-E	-2.335	.000	-1.296	-4.632	.000	.000	.000	.000	.000	.000
VEL-S	-.883	.000	1.437	-2.971	-3.818	.000	.000	.000	.000	.000

VEL-W	1.141	.000	2.232	4.153	4.372	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	5.029	4.468	.015	.418
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	205.029	204.468	1330.015	1335.418
VEL-N	.000	.000	.000	.000	.000	.000	.000	4.881	.000	1.903
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-4.372
VEL-S	.000	.000	.000	.000	.000	.000	-4.881	.000	-1.903	-2.946
VEL-W	.000	.000	.000	.000	.000	.000	.000	5.403	.000	4.506

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.243	.222	.388	.298	.489	.046	.000	.000	.000	.000
ELEVATION	1345.243	1371.222	1345.388	1370.298	1370.489	1376.046	1380.000	1387.000	1380.000	1378.000
VEL-N	2.946	.000	.000	.000	.368	.000	.000	.000	.000	.000
VEL-E	-4.153	-2.232	.000	-1.141	-.607	-1.260	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.368	.000	.000	.000	.000	.000	.000
VEL-W	4.488	.000	3.668	.000	.322	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.131	.251	.437	.652	1.334	.137	4.961	5.360	.000
ELEVATION	1374.000	1370.131	1365.251	1335.438	1320.652	1316.334	1310.137	204.961	205.360	1376.000
VEL-N	.000	.000	.000	4.702	3.266	4.106	.000	5.644	.000	.000
VEL-E	.000	-.322	-1.570	-3.668	.000	-4.488	-4.506	.000	-5.403	.000
VEL-S	.000	.000	.000	.000	-4.702	-3.266	-4.106	.000	-5.644	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	2.239	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	202.239	1330.000	1345.000	1360.000	1371.000	1371.000	1371.000	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	1.446	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.000	.000	.000	1.900	2.099	.000	.000
ELEVATION	1369.000	1370.000	1370.000	1371.000	1360.000	1330.000	201.900	202.099	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-1.290	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.446	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	1.290	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	1.505	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	1.503	1.600	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	201.503	201.600	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	-.789	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.505	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.789	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.664	.789	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	1.503	1.428	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	201.503	201.428	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-.664	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-.789	-.664	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.664	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	1.324	.000	.000

MIN. TIMESTEP(SEC.) = 18.00 MAX. TIMESTEP(SEC.) = 28.00 MEAN TIMESTEP(SEC.) = 22.49

MODEL TIME(HOURS) = 2.75 (SECONDS) = .992E+04 (TOTAL TIMESTEP NUMBER) = 5.2E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 2700.00

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.345	.243	.255	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.345	1561.244	1558.255	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-1.976	-1.296	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.976	1.296	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	6.146	3.358	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.243	.242	.255	.400	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.243	1540.242	1541.255	1542.400	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	-.862	-1.108	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-3.358	-6.146	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.862	1.108	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	3.269	4.391	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.250
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.540
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.560	.253	.262	.000	.000	.000	.000	.000	.241	.253
ELEVATION	1521.560	1522.253	1520.262	1521.000	1525.000	1525.000	1510.000	1506.000	1502.241	1515.253
VEL-N	.540	.533	-1.079	.000	.000	.000	.000	.000	.000	.000
VEL-E	-4.391	-3.269	.000	.000	.000	.000	.000	.000	.000	-1.969
VEL-S	-.533	1.079	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	3.781	3.078	1.969	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.254	.288	.237	.240	.246	.002	.000	.000	.000	.000
ELEVATION	1505.254	1503.288	1501.237	1499.240	1498.246	1495.002	1359.000	1359.000	1349.000	1349.000
VEL-N	.000	1.308	1.211	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.078	-3.781	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	-1.308	-1.211	.000	.000	.000	.000	.000	.000
VEL-W	.000	4.793	4.130	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.005	.247	.260	.302	.236	.243	.236	.248	.000
ELEVATION	1350.000	1477.005	1476.247	1478.260	1478.302	1486.236	1482.243	1487.235	1478.248	1494.000
VEL-N	.000	.000	.000	.000	.230	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-4.130	-4.793	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.230	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	4.870	.000	.000	.000	1.062	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.078	.248	.240	.238	.311	.256	.243	.251
ELEVATION	1496.000	1476.000	1473.078	1470.248	1466.240	1466.238	1461.311	1458.256	1455.243	1454.251

VEL-N	.000	.000	.000	.000	.094	.000	1.636	.000	.759	.000
VEL-E	.000	.000	-1.062	.000	.000	.000	-4.870	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	-.094	.000	-1.636	.000	-.759
VEL-W	.000	.000	.000	.000	3.371	.000	3.752	.000	3.358	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.338	1.328	.266	.242	.267
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.338	1432.328	1435.266	1440.242	1445.267
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	1.690	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-3.358	.000	-3.752
VEL-S	.000	.000	.000	.000	.000	.000	.000	-1.690	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.488	.000	3.359	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.240	.261	.062	.000	.000	.000	.000	.256	.238	.232
ELEVATION	1448.240	1446.261	1449.062	1452.000	1457.000	1442.000	1436.000	1432.255	1432.238	1431.232
VEL-N	.000	.000	.000	.000	.000	.000	.000	.095	.000	1.844
VEL-E	.000	-3.371	.000	.000	.000	.000	.000	-2.838	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	-.095	.000
VEL-W	.000	2.838	.000	.000	.000	.000	.000	2.416	.000	3.427

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.260	.392	.248	.000	.000	1.457	.000	.000	.000	.000
ELEVATION	1425.260	1421.392	1432.248	1440.000	1363.000	201.457	1305.000	1270.000	1260.000	1430.000
VEL-N	1.501	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-2.978	.000	-.488	.000	.000	-1.024	.000	.000	.000	.000
VEL-S	-1.844	-1.501	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	3.177	3.172	.000	.000	.000	.738	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.236	.253	.262	.263	.239	.242	.259	.000	.000	.246
ELEVATION	1429.236	1411.253	1411.262	1414.263	1413.239	1415.242	1417.259	1423.000	1410.000	1405.246
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	-3.172	-3.177	-3.427	.000	.000	-2.416	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	4.800	2.742	.000	.000	.000	.000	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.232	.253	.241	.250	.544	.125	.000	.000	.000	.000
ELEVATION	1403.232	1396.253	1398.241	1400.250	1385.544	1400.125	1388.000	1265.000	1260.000	1258.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-2.742	-4.800	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	2.530	.000	.000	2.995	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	1.367	.000	.000	.000	.000	.000	.000	.480
ELEVATION	1260.000	1300.000	201.367	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.480
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-.738	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-2.800
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	3.758

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.463	.250	.258	.250	.363	2.364	.000	.000	.251	.352
ELEVATION	1380.463	1385.250	1380.258	1385.250	1385.363	1385.364	1402.000	1391.000	1384.251	1371.352
VEL-N	2.800	.000	.000	1.400	.293	.000	.000	.000	.000	.814
VEL-E	-2.995	.000	.000	-2.530	.000	.000	.000	.000	-.907	-2.336
VEL-S	.000	.000	-1.400	-.293	.000	.000	.000	.000	.000	.000
VEL-W	1.045	.000	2.020	2.336	.907	.000	.000	.000	.000	.547

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.269	.241	.232	.265	.254	.000	.000	.000	.000	.000
EVATION	1370.269	1375.241	1379.232	1363.265	1350.254	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	-1.470	3.001	3.041	.000	.000	.000	.000	.000	.000
VEL-E	-2.020	.000	-1.045	-3.758	.000	.000	.000	.000	.000	.000
VEL-S	-.814	.000	1.470	-3.001	-3.041	.000	.000	.000	.000	.000
VEL-W	-.139	.000	2.176	3.571	3.666	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	5.242	5.900	.174	.283
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	205.242	205.900	1330.174	1335.283
VEL-N	.000	.000	.000	.000	.000	.000	.000	-4.946	.000	1.957
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-3.666
VEL-S	.000	.000	.000	.000	.000	.000	4.946	.000	-1.957	-2.979
VEL-W	.000	.000	.000	.000	.000	.000	.000	-6.006	.000	4.615

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.238	.201	.314	.249	.472	.118	.000	.000	.000	.000
ELEVATION	1345.238	1371.201	1345.314	1370.249	1370.472	1376.118	1380.000	1387.000	1380.000	1378.000
VEL-N	2.979	.000	.000	5.011	.331	.000	.000	.000	.000	.000
VEL-E	-3.571	-2.176	.000	.139	-.547	.000	.000	.000	.000	.000
VEL-S	.000	.000	-5.011	-.331	.000	.000	.000	.000	.000	.000
VEL-W	4.524	.000	2.992	1.945	.290	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.224	.249	.376	.570	1.145	.273	5.783	4.995	.000
ELEVATION	1374.000	1370.224	1365.249	1335.376	1320.570	1316.145	1310.273	205.783	204.995	1376.000
VEL-N	.000	.000	4.151	4.124	3.035	3.918	.000	-4.842	.000	.000
VEL-E	.000	-.290	-1.564	-2.992	.000	-4.524	-4.615	.000	6.006	.000
VEL-S	.000	.000	.000	-4.151	-4.124	-3.035	-3.918	.000	4.842	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	2.052	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	202.052	1330.000	1345.000	1360.000	1371.000	1371.000	1371.000	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.770	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.000	.000	.000	1.880	2.005	.000	.000
ELEVATION	1369.000	1370.000	1370.000	1371.000	1360.000	1330.000	201.880	202.005	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-1.072	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-.770	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	1.072	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	1.153	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	1.660	1.708	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	201.660	201.708	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	-.589	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.153	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.589	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.533	.589	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	1.660	1.619	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	201.660	201.619	1398.000	1401.000

VEL-N	.000	.000	.000	.000	.000	.000	.000	-.533	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-.589	-.533	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.533	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	1.024	.000	.000

MIN. TIMESTEP(SEC.) = 16.00 MAX. TIMESTEP(SEC.) = 19.50 MEAN TIMESTEP(SEC.) = 17.94

MODEL TIME(HOURS) = 3.00 (SECONDS) = .108E+05 (TOTAL TIMESTEP NUMBER) = 6.3E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 2196.56

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.305	.253	.246	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.305	1561.253	1558.246	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-1.864	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.864	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	5.677	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.246	.245	.245	.361	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.246	1540.245	1541.245	1542.361	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	-.871	-1.050	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-5.677	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.871	1.050	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	3.302	4.111	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.240
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.240
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.498
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.523	.250	.265	.000	.000	.000	.000	.000	.247	.219
ELEVATION	1521.523	1522.250	1520.265	1521.000	1525.000	1525.000	1510.000	1506.000	1502.247	1515.219
VEL-N	.498	.540	-1.067	.000	.000	.000	.000	.000	.000	.000
VEL-E	-4.111	-3.302	.000	.000	.000	.000	.000	.000	.000	-1.897
VEL-S	-.540	1.067	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	3.623	3.121	1.897	.000	.000	.000	.000	.000	2.383	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.253	.276	.255	.250	.245	.007	.000	.000	.000	.000
ELEVATION	1505.253	1503.276	1501.255	1499.250	1498.245	1495.007	1359.000	1359.000	1349.000	1349.000
VEL-N	1.072	1.299	1.260	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.121	-3.623	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	-1.072	-1.299	-1.260	.000	.000	.000	.000	.000	.000
VEL-W	3.242	4.606	4.246	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.018	.243	.262	.289	.252	.247	.245	.248	.000
ELEVATION	1350.000	1477.018	1476.243	1478.262	1478.289	1486.252	1482.247	1487.245	1478.248	1494.000
VEL-N	.000	.000	.000	.000	.197	.000	.000	.000	.000	.000

VEL-E	.000	.000	.000	-4.246	-4.606	-3.242	.000	-2.383	.000	.000
VEL-S	.000	.000	.000	-.197	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	4.732	.000	3.507	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.104	.250	.261	.247	.296	.252	.235	.241
ELEVATION	1496.000	1476.000	1473.104	1470.250	1466.261	1466.247	1461.296	1458.252	1455.235	1454.241
VEL-N	.000	.000	.000	.000	.000	.000	1.601	.000	.739	.000
VEL-E	.000	.000	.000	.000	-3.507	.000	-4.732	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-1.601	.000	-.739
VEL-W	.000	.000	.000	.000	.000	.000	3.741	.000	3.337	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.320	1.320	.257	.247	.260
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.320	1432.320	1435.257	1440.247	1445.260
VEL-N	.000	.000	.000	.000	.000	.000	.000	1.289	1.698	1.714
VEL-E	.000	.000	.000	.000	.000	.000	.000	-3.337	.000	-3.741
VEL-S	.000	.000	.000	.000	.000	.000	-1.289	-1.698	-1.714	.000
VEL-W	.000	.000	.000	.000	.000	.000	.428	2.804	3.326	2.821

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.242	.240	.076	.000	.000	.000	.000	.257	.248	.257
ELEVATION	1448.242	1446.240	1449.076	1452.000	1457.000	1442.000	1436.000	1432.257	1432.248	1431.257
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-2.790	.000	-2.821
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	2.790	.000	.000	.000	.000	.000	2.408	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.249	.374	.254	.000	.000	1.811	.000	.000	.000	.000
ELEVATION	1425.249	1421.374	1432.254	1440.000	1363.000	201.811	1305.000	1270.000	1260.000	1430.000
VEL-N	1.489	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-2.945	-2.804	-.428	.000	.000	-.470	.000	.000	.000	.000
VEL-S	.000	-1.489	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	3.136	3.059	.000	.000	.000	.000	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.230	.249	.262	.236	.249	.242	.253	.000	.000	.247
ELEVATION	1429.230	1411.249	1411.262	1414.235	1413.249	1415.242	1417.253	1423.000	1410.000	1405.247
VEL-N	.000	.000	.000	1.640	-.837	.000	.000	.000	.000	.000
VEL-E	.000	-3.059	-3.136	.000	.000	.000	-2.408	.000	.000	.000
VEL-S	.000	.000	-1.640	.837	.000	.000	.000	.000	.000	.000
VEL-W	.000	4.763	2.706	3.365	.000	.000	.000	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.240	.252	.253	.244	.537	.179	.000	.000	.000	.000
ELEVATION	1403.240	1396.252	1398.253	1400.244	1385.537	1400.179	1388.000	1265.000	1260.000	1258.000
VEL-N	.000	-1.063	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-3.365	-2.706	-4.763	.000	.000	.000	.000	.000
VEL-S	.000	.000	1.063	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	2.496	2.627	.000	2.919	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	1.790	.000	.000	.000	.000	.000	.000	.406
ELEVATION	1260.000	1300.000	201.790	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.406
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-2.623
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	3.501

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.439	.238	.259	.260	.340	2.342	.000	.000	.247	.309
ELEVATION	1380.438	1385.238	1380.259	1385.260	1385.340	1385.342	1402.000	1391.000	1384.247	1371.309
VEL-N	2.623	1.677	-1.396	.000	.259	.000	.000	.000	.000	.748
VEL-E	-2.919	.000	-2.627	-2.496	.000	.000	.000	.000	-.872	.000
VEL-S	-1.677	1.396	.000	-.259	.000	.000	.000	.000	.000	.000
VEL-W	.999	2.385	.000	.000	.872	.000	.000	.000	.000	.507

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.236	.264	.233	.266	.248	.000	.000	.000	.000	.000
ELEVATION	1370.236	1375.264	1379.233	1363.266	1350.248	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	-1.496	3.002	2.979	.000	.000	.000	.000	.000	.000
VEL-E	.000	-2.385	-.999	-3.501	.000	.000	.000	.000	.000	.000
VEL-S	-.748	.000	1.496	-3.002	-2.979	.000	.000	.000	.000	.000
VEL-W	.427	.000	2.280	3.512	.000	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	6.083	5.329	.226	.235
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	206.083	205.329	1330.226	1335.235
VEL-N	.000	.000	.000	.000	.000	.000	.000	5.096	.000	2.032
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-5.096	.000	-2.032	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	5.946	.000	4.643

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.251	.234	.265	.258	.442	.202	.000	.000	.000	.000
ELEVATION	1345.251	1371.234	1345.265	1370.258	1370.442	1376.202	1380.000	1387.000	1380.000	1378.000
VEL-N	.000	.000	.000	.000	.318	.000	.000	.000	.000	.000
VEL-E	-3.512	-2.280	.000	-.427	-.507	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.318	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	2.793	.000	.255	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.250	.251	.352	.520	.987	.288	5.683	6.337	.000
ELEVATION	1374.000	1370.250	1365.251	1335.352	1320.520	1315.987	1310.288	205.683	206.337	1376.000
VEL-N	.000	.000	.000	4.086	2.871	3.636	.000	5.381	.000	.000
VEL-E	.000	-.255	-1.499	-2.793	.000	.000	-4.643	.000	-5.946	.000
VEL-S	.000	.000	.000	.000	-4.086	-2.871	-3.636	.000	-5.381	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	1.955	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	201.955	1330.000	1345.000	1360.000	1371.000	1371.000	1371.000	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.429	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.000	.000	.000	1.898	1.940	.000	.000
ELEVATION	1369.000	1370.000	1370.000	1371.000	1360.000	1330.000	201.898	201.940	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-.664	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-.429	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.664	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.573	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	1.839	1.840	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	201.839	201.840	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	-.559	.000	.000	.000

VEL-E	.000	.000	.000	.000	.000	.000	.000	-.573	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.559	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-.302	.559	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	1.839	1.797	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	201.839	201.797	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.302	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-.559	.302	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-.302	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.470	.000	.000

MIN. TIMESTEP(SEC.) = 14.50 MAX. TIMESTEP(SEC.) = 17.00 MEAN TIMESTEP(SEC.) = 15.58

MODEL TIME(HOURS) = 3.25 (SECONDS) = .117E+05 (TOTAL TIMESTEP NUMBER) = 7.6E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 1492.69

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.266	.244	.248	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.266	1561.244	1558.248	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-1.760	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	1.760	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	5.227	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.249	.241	.251	.273	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.249	1540.241	1541.251	1542.273	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	-.876	-.906	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-5.227	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.876	.906	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	3.261	3.377	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.251
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.251
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.344
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.410	.252	.255	.000	.000	.000	.000	.000	.242	.253
ELEVATION	1521.410	1522.252	1520.255	1521.000	1525.000	1525.000	1510.000	1506.000	1502.242	1515.253
VEL-N	.344	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.377	-3.261	.000	.000	.000	.000	.000	.000	.000	-1.961
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	3.214	.000	1.961	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.247	.250	.248	.249	.249	.010	.000	.000	.000	.000
ELEVATION	1505.247	1503.250	1501.248	1499.249	1498.249	1495.010	1359.000	1359.000	1349.000	1349.000
VEL-N	.000	1.227	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	-3.214	.000	.000	.000	.000	.000	.000	.000	.000

VEL-S	.000	.000	-1.227	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	4.390	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.027	.245	.246	.262	.229	.238	.248	.248	.000
ELEVATION	1350.000	1477.027	1476.245	1478.246	1478.262	1486.229	1482.238	1487.248	1478.248	1494.000
VEL-N	.000	.000	.000	.000	.116	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-4.390	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.116	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	4.413	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.128	.249	.243	.236	.270	.246	.239	.241
ELEVATION	1496.000	1476.000	1473.128	1470.249	1466.243	1466.236	1461.270	1458.246	1455.239	1454.241
VEL-N	.000	.000	.000	.000	.101	.000	1.537	.000	.740	.000
VEL-E	.000	.000	.000	.000	.000	.000	-4.413	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	-.101	.000	-1.537	.000	-.740
VEL-W	.000	.000	.000	.000	3.354	.000	3.559	.000	3.297	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.300	1.298	.256	.236	.263
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.300	1432.298	1435.256	1440.236	1445.263
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	1.651	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-3.297	.000	-3.559
VEL-S	.000	.000	.000	.000	.000	.000	.000	-1.651	.000	-1.292
VEL-W	.000	.000	.000	.000	.000	.000	.361	.000	3.263	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.235	.264	.090	.000	.000	.000	.000	.246	.251	.250
ELEVATION	1448.235	1446.264	1449.090	1452.000	1457.000	1442.000	1436.000	1432.246	1432.251	1431.250
VEL-N	1.292	-1.058	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	-3.354	.000	.000	.000	.000	.000	.000	-2.959	.000
VEL-S	1.058	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	2.959	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.249	.309	.253	.000	.000	1.955	.000	.000	.000	.000
ELEVATION	1425.249	1421.309	1432.253	1440.000	1363.000	201.955	1305.000	1270.000	1260.000	1430.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-2.859	.000	-.361	.000	.000	-.658	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	2.874	.000	.000	.000	-.313	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.240	.248	.259	.240	.249	.248	.243	.000	.000	.240
ELEVATION	1429.240	1411.248	1411.259	1414.240	1413.249	1415.248	1417.243	1423.000	1410.000	1405.240
VEL-N	.000	.000	.125	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	-2.874	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	-.125	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	4.766	2.828	.000	.000	.000	.000	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.242	.246	.249	.238	.462	.223	.000	.000	.000	.000
ELEVATION	1403.242	1396.246	1398.249	1400.238	1385.462	1400.223	1388.000	1265.000	1260.000	1258.000
VEL-N	.000	-1.058	-1.058	3.204	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-2.828	-4.766	.000	.000	.000	.000	.000
VEL-S	.000	.000	1.058	1.058	-3.204	.000	.000	.000	.000	.000
VEL-W	.000	.000	2.666	2.882	2.681	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130

DEPTH	.000	.000	1.934	.000	.000	.000	.000	.000	.000	.372
ELEVATION	1260.000	1300.000	201.934	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.372
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.313	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-2.518
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	3.331

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.413	.256	.258	.242	.312	2.325	.000	.000	.243	.300
ELEVATION	1380.413	1385.256	1380.258	1385.242	1385.312	1385.325	1402.000	1391.000	1384.243	1371.300
VEL-N	2.518	.000	.000	1.398	.192	.319	.000	.000	2.252	.701
VEL-E	-2.681	-2.882	-2.666	.000	.000	.000	.000	.000	-.830	-2.344
VEL-S	.000	.000	-1.398	-.192	-.319	.000	.000	.000	.000	-2.252
VEL-W	.975	.000	1.970	2.344	.830	.000	.000	.000	1.756	.473

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.239	.253	.235	.271	.241	.000	.000	.000	.000	.000
ELEVATION	1370.239	1375.253	1379.235	1363.271	1350.241	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	-1.493	2.985	.000	.000	.000	.000	.000	.000	.000
VEL-E	-1.970	.000	-.975	-3.331	.000	.000	.000	.000	.000	.000
VEL-S	-.701	.000	1.493	-2.985	.000	.000	.000	.000	.000	.000
VEL-W	.417	.000	2.235	.000	3.635	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	6.406	5.723	.233	.253
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	206.406	205.723	1330.233	1335.253
VEL-N	.000	.000	.000	.000	.000	.000	.000	5.407	.000	2.045
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-3.635
VEL-S	.000	.000	.000	.000	.000	.000	-5.407	.000	-2.045	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	6.266	.000	3.915

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.238	.218	.244	.250	.443	.252	.000	.000	.000	.000
ELEVATION	1345.238	1371.218	1345.244	1370.250	1370.443	1376.252	1380.000	1387.000	1380.000	1378.000
VEL-N	.000	.000	.000	.000	.322	.000	.000	.000	.000	.000
VEL-E	.000	-2.235	.000	-.417	-.473	-1.756	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.322	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	2.626	.000	.256	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.008	.250	.245	.346	.498	.933	.159	6.081	6.657	.000
ELEVATION	1374.008	1370.250	1365.245	1335.346	1320.498	1315.933	1310.159	206.081	206.657	1376.000
VEL-N	.000	.000	4.091	3.929	2.805	3.305	.000	5.805	.000	.000
VEL-E	.000	-.256	-1.512	-2.626	.000	.000	-3.915	.000	-6.266	.000
VEL-S	.000	.000	.000	-4.091	-3.929	-2.805	-3.305	.000	-5.805	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	2.095	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	202.095	1330.000	1345.000	1360.000	1371.000	1371.000	1371.000	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.828	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.000	.000	.000	2.010	2.051	.000	.000
ELEVATION	1369.000	1370.000	1370.000	1371.000	1360.000	1330.000	202.010	202.051	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-.614	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-.828	.000	.000

VEL-S	.000	.000	.000	.000	.000	.000	.000	.614	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.363	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	1.986	1.974	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	201.986	201.974	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	-.458	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-.363	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.458	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-.379	.458	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	1.986	1.944	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	201.986	201.944	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.379	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-.458	.379	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-.379	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.658	.000	.000

MIN. TIMESTEP(SEC.) = 13.00 MAX. TIMESTEP(SEC.) = 15.00 MEAN TIMESTEP(SEC.) = 14.14

MODEL TIME(HOURS) = 3.50 (SECONDS) = .126E+05 (TOTAL TIMESTEP NUMBER) = 9.0E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 799.72

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.251	.237	.251	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.251	1561.237	1558.251	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	-1.289	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	1.289	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	3.333	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.250	.245	.262	.241	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.250	1540.245	1541.262	1542.241	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	.000	-.872	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-3.333	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.872	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	3.256	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.249
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.249
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.259	.246	.249	.000	.000	.000	.000	.000	.245	.245
ELEVATION	1521.259	1522.246	1520.249	1521.000	1525.000	1525.000	1510.000	1506.000	1502.245	1515.245
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.256	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

VEL-W	2.635	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.245	.250	.242	.249	.247	.013	.000	.000	.000	.000
ELEVATION	1505.245	1503.250	1501.242	1499.249	1498.247	1495.013	1359.000	1359.000	1349.000	1349.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	-2.635	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.036	.249	.245	.240	.235	.244	.249	.248	.000
ELEVATION	1350.000	1477.036	1476.249	1478.245	1478.240	1486.235	1482.244	1487.249	1478.248	1494.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	4.315	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.144	.249	.244	.247	.252	.249	.238	.243
ELEVATION	1496.000	1476.000	1473.144	1470.249	1466.244	1466.247	1461.252	1458.249	1455.238	1454.243
VEL-N	.000	.000	.000	.000	.000	.000	1.501	.000	.741	.000
VEL-E	.000	.000	.000	.000	.000	.000	-4.315	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-1.501	.000	-.741
VEL-W	.000	.000	.000	.000	.000	.000	3.476	.000	3.336	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.268	1.263	.265	.247	.258
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.268	1432.263	1435.265	1440.247	1445.258
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	1.698	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-3.336	.000	-3.476
VEL-S	.000	.000	.000	.000	.000	.000	.000	-1.698	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.211	.000	3.299	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.241	.250	.099	.000	.000	.000	.000	.255	.246	.241
ELEVATION	1448.241	1446.250	1449.099	1452.000	1457.000	1442.000	1436.000	1432.255	1432.246	1431.241
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.824
VEL-E	.000	.000	.000	.000	.000	.000	.000	-2.813	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	2.813	.000	.000	.000	.000	.000	.000	.000	3.379

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.256	.248	.249	.000	.000	2.051	.000	.000	.000	.000
ELEVATION	1425.256	1421.248	1432.249	1440.000	1363.000	202.051	1305.000	1270.000	1260.000	1430.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-2.909	.000	-.211	.000	.000	.448	.000	.000	.000	.000
VEL-S	-1.824	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.459	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.228	.245	.249	.245	.249	.245	.249	.000	.000	.246
ELEVATION	1429.228	1411.245	1411.249	1414.245	1413.249	1415.245	1417.249	1423.000	1410.000	1405.246
VEL-N	.000	.000	.104	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-3.379	.000	.000	.000	.000	.000	.000
VEL-S	.000	-.104	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	2.703	.000	.000	.000	.000	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.241	.248	.244	.238	.321	.238	.003	.000	.000	.000

ELEVATION	1403.240	1396.248	1398.244	1400.238	1385.321	1400.238	1388.003	1265.000	1260.000	1258.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-2.703	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	2.220	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	2.064	.000	.000	.000	.000	.000	.000	.290
ELEVATION	1260.000	1300.000	202.064	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.290
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-.459	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	-2.140
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	3.062

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.323	.244	.249	.243	.263	2.270	.000	.000	.250	.249
ELEVATION	1380.323	1385.244	1380.249	1385.243	1385.263	1385.270	1402.000	1391.000	1384.250	1371.249
VEL-N	2.140	.000	.000	.000	.104	.238	.000	.000	.000	.000
VEL-E	-2.220	.000	.000	.000	.000	.000	.000	.000	-.760	.000
VEL-S	.000	.000	.000	-.104	-.238	.000	.000	.000	.000	.000
VEL-W	.850	.000	.000	.000	.760	.000	.000	.000	.000	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.237	.246	.234	.256	.259	.000	.000	.000	.000	.000
ELEVATION	1370.236	1375.245	1379.234	1363.256	1350.259	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	-1.479	2.998	3.015	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-.850	-3.062	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	1.479	-2.998	-3.015	.000	.000	.000	.000	.000
VEL-W	.459	.000	2.323	3.524	.000	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	6.291	6.963	.230	.233
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	206.291	206.963	1330.230	1335.233
VEL-N	.000	.000	.000	.000	.000	.000	.000	-5.561	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	5.561	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	-6.524	.000	.000

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.256	.248	.245	.257	.440	.249	.000	.000	.000	.000
ELEVATION	1345.256	1371.248	1345.245	1370.257	1370.440	1376.249	1380.000	1387.000	1380.000	1378.000
VEL-N	.000	.000	.000	.000	.318	.000	.000	.000	.000	.000
VEL-E	-3.524	-2.323	.000	-.459	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.318	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.255	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.025	.249	.245	.303	.447	.836	.237	6.780	6.008	.000
ELEVATION	1374.025	1370.249	1365.245	1335.303	1320.447	1315.836	1310.237	206.780	206.008	1376.000
VEL-N	.000	.000	4.095	3.635	2.624	3.241	.000	-5.385	.000	.000
VEL-E	.000	-.255	-1.510	.000	.000	.000	.000	.000	6.524	.000
VEL-S	.000	.000	.000	-4.095	-3.635	-2.624	-3.241	.000	5.385	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	2.161	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	202.161	1330.000	1345.000	1360.000	1371.000	1371.000	1371.000	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.000	.000	.000	2.131	2.144	.000	.000
ELEVATION	1369.000	1370.000	1370.000	1371.000	1360.000	1330.000	202.131	202.144	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-.331	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.331	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.748	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	2.073	2.124	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	202.073	202.124	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	.408	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-.748	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-.408	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.667	-.408	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	2.073	2.099	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	202.073	202.099	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-.667	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.408	-.667	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.667	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	-.448	.000	.000

MIN. TIMESTEP(SEC.) = 12.00 MAX. TIMESTEP(SEC.) = 14.00 MEAN TIMESTEP(SEC.) = 12.91

MODEL TIME(HOURS) = 3.75 (SECONDS) = .135E+05 (TOTAL TIMESTEP NUMBER) = 1.1E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 129.72

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.246	.247	.245	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.246	1561.247	1558.245	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.250	.240	.238	.238	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.250	1540.240	1541.238	1542.238	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.250
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.244	.242	.248	.000	.000	.000	.000	.000	.246	.247
ELEVATION	1521.245	1522.242	1520.248	1521.000	1525.000	1525.000	1510.000	1506.000	1502.246	1515.247
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1.927
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	1.927	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.238	.244	.246	.237	.246	.014	.000	.000	.000	.000
ELEVATION	1505.238	1503.244	1501.246	1499.237	1498.246	1495.015	1359.000	1359.000	1349.000	1349.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.040	.242	.244	.242	.231	.248	.249	.249	.000
ELEVATION	1350.000	1477.040	1476.242	1478.244	1478.242	1486.231	1482.248	1487.249	1478.249	1494.000
VEL-N	.000	.000	.000	.000	.089	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.089	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	4.289	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.150	.249	.249	.243	.267	.239	.245	.245
ELEVATION	1496.000	1476.000	1473.150	1470.249	1466.249	1466.243	1461.267	1458.239	1455.245	1454.245
VEL-N	.000	.000	.000	.000	.000	1.957	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-4.289	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-1.957	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	3.173	.000	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.262	1.257	.246	.243	.238
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.262	1432.257	1435.246	1440.243	1445.238
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.253	.249	.103	.000	.000	.000	.000	.249	.244	.236
ELEVATION	1448.253	1446.249	1449.103	1452.000	1457.000	1442.000	1436.000	1432.249	1432.244	1431.236
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.173	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.243	.247	.247	.000	.000	2.174	.000	.000	.000	.000
ELEVATION	1425.243	1421.246	1432.247	1440.000	1363.000	202.174	1305.000	1270.000	1260.000	1430.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-.688	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	-.389	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.227	.249	.244	.249	.242	.249	.249	.000	.000	.246
ELEVATION	1429.227	1411.249	1411.244	1414.249	1413.242	1415.249	1417.249	1423.000	1410.000	1405.246

VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.238	.246	.246	.249	.246	.224	.007	.000	.000	.000
ELEVATION	1403.238	1396.246	1398.246	1400.249	1385.246	1400.224	1388.007	1265.000	1260.000	1258.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	2.153	.000	.000	.000	.000	.000	.000	.249
ELEVATION	1260.000	1300.000	202.153	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.389	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.246	.246	.248	.240	.250	2.256	.000	.000	.246	.250
ELEVATION	1380.246	1385.246	1380.248	1385.240	1385.250	1385.256	1402.000	1391.000	1384.246	1371.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.231	.237	.240	.234	.250	.000	.000	.000	.000	.000
ELEVATION	1370.231	1375.237	1379.240	1363.234	1350.250	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.513	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	6.967	6.250	.153	.248
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	206.967	206.250	1330.153	1335.248
VEL-N	.000	.000	.000	.000	.000	.000	.000	5.654	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-5.654	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	6.683	.000	.000

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.237	.235	.256	.249	.361	.247	.000	.000	.000	.000
ELEVATION	1345.237	1371.235	1345.256	1370.249	1370.361	1376.247	1380.000	1387.000	1380.000	1378.000
VEL-N	.000	.000	.000	.000	.232	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-.513	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.232	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	2.654	.000	.179	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.033	.250	.245	.265	.325	.641	.106	6.632	7.176	.000
ELEVATION	1374.033	1370.250	1365.245	1335.265	1320.324	1315.641	1310.106	206.632	207.176	1376.000
VEL-N	.000	.000	4.071	.000	2.170	2.848	27.705	5.848	.000	.000
VEL-E	.000	-.179	-1.381	-2.654	.000	.000	.000	.000	-6.683	.000
VEL-S	.000	.000	.000	-4.071	.000	-2.170	-2.848	-27.705	-5.848	.000
VEL-W	.000	.000	.000	.000	.000	.000	27.765	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	2.300	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	202.300	1330.000	1345.000	1360.000	1371.000	1371.000	1371.000	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-27.765	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	-.379	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.000	.000	.000	2.215	2.199	.000	.000
ELEVATION	1369.000	1370.000	1370.000	1371.000	1360.000	1330.000	202.215	202.199	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-.614	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.379	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.614	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-.490	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	2.193	2.163	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	202.193	202.163	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	-.707	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.490	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.707	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-.583	.707	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	2.193	2.149	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	202.193	202.149	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.583	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-.707	.583	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-.583	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.688	.000	.000

MIN. TIMESTEP(SEC.) = 11.50 MAX. TIMESTEP(SEC.) = 12.50 MEAN TIMESTEP(SEC.) = 12.06

MODEL TIME(HOURS) = 4.00 (SECONDS) = .144E+05 (TOTAL TIMESTEP NUMBER) = 1.2E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 129.72

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.238	.239	.249	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.238	1561.239	1558.249	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.250	.243	.239	.240	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.250	1540.243	1541.239	1542.240	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.250
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.248	.237	.246	.000	.000	.000	.000	.000	.247	.219
ELEVATION	1521.248	1522.237	1520.246	1521.000	1525.000	1525.000	1510.000	1506.000	1502.247	1515.219
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.243	.238	.250	.237	.246	.014	.000	.000	.000	.000
ELEVATION	1505.243	1503.238	1501.250	1499.237	1498.246	1495.015	1359.000	1359.000	1349.000	1349.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.040	.242	.245	.243	.240	.241	.235	.250	.000
ELEVATION	1350.000	1477.040	1476.242	1478.245	1478.243	1486.240	1482.241	1487.235	1478.250	1494.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.155	.249	.243	.244	.249	.248	.245	.245
ELEVATION	1496.000	1476.000	1473.155	1470.249	1466.243	1466.244	1461.249	1458.248	1455.245	1454.245
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.262	1.253	.239	.238	.237
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.262	1432.253	1435.239	1440.238	1445.237
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.238	.243	.107	.000	.000	.000	.000	.246	.244	.239
ELEVATION	1448.238	1446.243	1449.107	1452.000	1457.000	1442.000	1436.000	1432.246	1432.244	1431.239
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.242	.243	.244	.000	.000	2.204	.000	.000	.000	.000
ELEVATION	1425.242	1421.243	1432.244	1440.000	1363.000	202.204	1305.000	1270.000	1260.000	1430.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

VEL-E	.000	.000	.000	.000	.000	.583	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.465	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.230	.243	.250	.241	.241	.246	.244	.000	.000	.242
ELEVATION	1429.230	1411.243	1411.250	1414.241	1413.241	1415.246	1417.244	1423.000	1410.000	1405.241
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.247	.245	.248	.235	.250	.224	.007	.000	.000	.000
ELEVATION	1403.247	1396.245	1398.248	1400.235	1385.250	1400.224	1388.007	1265.000	1260.000	1258.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	2.222	.000	.000	.000	.000	.000	.000	.244
ELEVATION	1260.000	1300.000	202.222	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.244
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-.465	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.247	.239	.250	.248	.250	2.259	.000	.000	.248	.248
ELEVATION	1380.247	1385.239	1380.250	1385.248	1385.250	1385.259	1402.000	1391.000	1384.248	1371.248
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.230	.247	.231	.239	.245	.000	.000	.000	.000	.000
ELEVATION	1370.230	1375.247	1379.231	1363.239	1350.245	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	6.636	7.301	.166	.237
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	206.636	207.301	1330.166	1335.237
VEL-N	.000	.000	.000	.000	.000	.000	.000	-5.807	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	5.807	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	-6.667	.000	.000

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.234	.242	.244	.243	.298	.249	.000	.000	.000	.000
ELEVATION	1345.234	1371.242	1345.244	1370.243	1370.298	1376.249	1380.000	1387.000	1380.000	1378.000
VEL-N	.000	.000	.000	.000	.143	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.143	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.111	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.036	.249	.251	.243	.263	.434	.232	7.087	6.332	.000
ELEVATION	1374.036	1370.249	1365.251	1335.243	1320.263	1315.434	1310.232	207.087	206.332	1376.000
VEL-N	.000	.000	.000	.000	1.913	2.277	.000	-5.592	.000	.000
VEL-E	.000	-.111	-1.269	.000	.000	.000	.000	.000	6.667	.000
VEL-S	.000	.000	.000	.000	.000	-1.913	-2.277	.000	5.592	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	2.242	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	202.242	1330.000	1345.000	1360.000	1371.000	1371.000	1371.000	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.462	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.000	.000	.000	2.224	2.257	.000	.000
ELEVATION	1369.000	1370.000	1370.000	1371.000	1360.000	1330.000	202.224	202.257	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	.475	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-.462	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-.475	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.712	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	2.210	2.255	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	202.210	202.255	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	.619	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-.712	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-.619	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.679	-.619	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	2.210	2.247	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	202.210	202.247	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-.679	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.619	-.679	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.679	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	-.583	.000	.000

MIN. TIMESTEP(SEC.) = 11.50 MAX. TIMESTEP(SEC.) = 12.00 MEAN TIMESTEP(SEC.) = 11.64

MODEL TIME(HOURS) = 4.25 (SECONDS) = .153E+05 (TOTAL TIMESTEP NUMBER) = 1.4E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 129.72

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.238	.239	.249	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.238	1561.239	1558.249	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20

DEPTH	.000	.000	.000	.000	.250	.243	.239	.240	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.250	1540.243	1541.239	1542.240	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.250
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.248	.237	.246	.000	.000	.000	.000	.000	.247	.219
ELEVATION	1521.248	1522.237	1520.246	1521.000	1525.000	1525.000	1510.000	1506.000	1502.247	1515.219
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.243	.238	.250	.237	.246	.014	.000	.000	.000	.000
ELEVATION	1505.243	1503.238	1501.250	1499.237	1498.246	1495.015	1359.000	1359.000	1349.000	1349.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.040	.242	.245	.243	.240	.241	.235	.250	.000
ELEVATION	1350.000	1477.040	1476.242	1478.245	1478.243	1486.240	1482.241	1487.235	1478.250	1494.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.155	.249	.243	.244	.249	.248	.245	.245
ELEVATION	1496.000	1476.000	1473.155	1470.249	1466.243	1466.244	1461.249	1458.248	1455.245	1454.245
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.262	1.253	.239	.238	.237
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.262	1432.253	1435.239	1440.238	1445.237
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.238	.243	.107	.000	.000	.000	.000	.246	.244	.239
ELEVATION	1448.238	1446.243	1449.107	1452.000	1457.000	1442.000	1436.000	1432.246	1432.244	1431.239
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.242	.243	.244	.000	.000	2.264	.000	.000	.000	.000
ELEVATION	1425.242	1421.243	1432.244	1440.000	1363.000	202.264	1305.000	1270.000	1260.000	1430.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-.643	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	-.425	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.230	.243	.250	.241	.241	.246	.244	.000	.000	.242
ELEVATION	1429.230	1411.243	1411.250	1414.241	1413.241	1415.246	1417.244	1423.000	1410.000	1405.241
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.247	.245	.248	.235	.250	.224	.007	.000	.000	.000
ELEVATION	1403.247	1396.245	1398.248	1400.235	1385.250	1400.224	1388.007	1265.000	1260.000	1258.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	2.243	.000	.000	.000	.000	.000	.000	.244
ELEVATION	1260.000	1300.000	202.243	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.244
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.425	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.247	.239	.250	.248	.250	2.259	.000	.000	.248	.248
ELEVATION	1380.247	1385.239	1380.250	1385.248	1385.250	1385.259	1402.000	1391.000	1384.248	1371.248
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.230	.247	.231	.239	.245	.000	.000	.000	.000	.000
ELEVATION	1370.230	1375.247	1379.231	1363.239	1350.245	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	7.152	6.381	.166	.237
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	207.152	206.381	1330.166	1335.237
VEL-N	.000	.000	.000	.000	.000	.000	.000	5.445	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-5.445	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	6.502	.000	.000

NODE	161	162	163	164	165	166	167	168	169	170

DEPTH	.234	.242	.250	.248	.258	.249	.000	.000	.000	.000
ELEVATION	1345.234	1371.242	1345.250	1370.248	1370.258	1376.249	1380.000	1387.000	1380.000	1378.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.036	.250	.244	.253	.255	.291	.201	6.691	7.379	.000
ELEVATION	1374.036	1370.250	1365.244	1335.253	1320.255	1315.291	1310.201	206.691	207.379	1376.000
VEL-N	.000	.000	4.052	.000	1.897	1.835	.000	5.689	.000	.000
VEL-E	.000	.000	-1.208	.000	.000	.000	.000	.000	-6.502	.000
VEL-S	.000	.000	.000	-4.052	.000	-1.897	-1.835	.000	-5.689	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	2.274	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	202.274	1330.000	1345.000	1360.000	1371.000	1371.000	1371.000	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	-.402	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.000	.000	.000	2.279	2.254	.000	.000
ELEVATION	1369.000	1370.000	1370.000	1371.000	1360.000	1330.000	202.279	202.254	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-.561	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.402	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.561	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-.581	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	2.272	2.232	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	202.272	202.232	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	-.667	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.581	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.667	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-.622	.667	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	2.272	2.227	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	202.272	202.227	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.622	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-.667	.622	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-.622	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.643	.000	.000

MIN. TIMESTEP(SEC.) = 11.00 MAX. TIMESTEP(SEC.) = 11.50 MEAN TIMESTEP(SEC.) = 11.42

MODEL TIME(HOURS) = 4.50 (SECONDS) = .162E+05 (TOTAL TIMESTEP NUMBER) = 1.5E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 129.72

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.238	.239	.249	.000

ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.238	1561.239	1558.249	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.250	.243	.239	.240	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.250	1540.243	1541.239	1542.240	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.250
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.248	.237	.246	.000	.000	.000	.000	.000	.247	.219
ELEVATION	1521.248	1522.237	1520.246	1521.000	1525.000	1525.000	1510.000	1506.000	1502.247	1515.219
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.243	.238	.250	.237	.246	.014	.000	.000	.000	.000
ELEVATION	1505.243	1503.238	1501.250	1499.237	1498.246	1495.015	1359.000	1359.000	1349.000	1349.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.040	.242	.245	.243	.240	.241	.235	.250	.000
ELEVATION	1350.000	1477.040	1476.242	1478.245	1478.243	1486.240	1482.241	1487.235	1478.250	1494.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.155	.249	.243	.244	.249	.248	.245	.245
ELEVATION	1496.000	1476.000	1473.155	1470.249	1466.243	1466.244	1461.249	1458.248	1455.245	1454.245
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.262	1.253	.239	.238	.237
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.262	1432.253	1435.239	1440.238	1445.237
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.238	.243	.107	.000	.000	.000	.000	.246	.244	.239
ELEVATION	1448.238	1446.243	1449.107	1452.000	1457.000	1442.000	1436.000	1432.246	1432.244	1431.239
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.242	.243	.244	.000	.000	2.285	.000	.000	.000	.000
ELEVATION	1425.242	1421.243	1432.244	1440.000	1363.000	202.285	1305.000	1270.000	1260.000	1430.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-.647	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	-.439	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.230	.243	.250	.241	.241	.246	.244	.000	.000	.242
ELEVATION	1429.230	1411.243	1411.250	1414.241	1413.241	1415.246	1417.244	1423.000	1410.000	1405.241
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.247	.245	.248	.235	.250	.224	.007	.000	.000	.000
ELEVATION	1403.247	1396.245	1398.248	1400.235	1385.250	1400.224	1388.007	1265.000	1260.000	1258.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	2.264	.000	.000	.000	.000	.000	.000	.244
ELEVATION	1260.000	1300.000	202.264	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.244
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.439	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.247	.239	.250	.248	.250	2.259	.000	.000	.248	.248
ELEVATION	1380.247	1385.239	1380.250	1385.248	1385.250	1385.259	1402.000	1391.000	1384.248	1371.248
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.230	.247	.231	.239	.245	.000	.000	.000	.000	.000
ELEVATION	1370.230	1375.247	1379.231	1363.239	1350.245	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	7.197	6.411	.166	.237

ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	207.197	206.411	1330.166	1335.237
VEL-N	.000	.000	.000	.000	.000	.000	.000	5.516	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-5.516	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	6.590	.000	.000

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.234	.242	.250	.248	.258	.249	.000	.000	.000	.000
ELEVATION	1345.234	1371.242	1345.250	1370.248	1370.258	1376.249	1380.000	1387.000	1380.000	1378.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.036	.250	.244	.261	.246	.252	.194	6.727	7.428	.000
ELEVATION	1374.036	1370.250	1365.244	1335.261	1320.246	1315.252	1310.193	206.727	207.428	1376.000
VEL-N	.000	.000	4.091	.000	1.859	1.713	.000	5.766	.000	.000
VEL-E	.000	.000	-1.208	.000	.000	.000	.000	.000	-6.590	.000
VEL-S	.000	.000	.000	-4.091	.000	-1.859	-1.713	.000	-5.766	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	2.288	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	202.288	1330.000	1345.000	1360.000	1371.000	1371.000	1371.000	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	-.418	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.000	.000	.000	2.295	2.268	.000	.000
ELEVATION	1369.000	1370.000	1370.000	1371.000	1360.000	1330.000	202.295	202.268	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-.556	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.418	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.556	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-.613	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	2.292	2.249	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	202.292	202.249	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	-.671	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.613	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.671	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-.642	.671	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	2.292	2.246	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	202.292	202.246	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.642	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-.671	.642	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-.642	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.647	.000	.000

MIN. TIMESTEP(SEC.) = 11.00 MAX. TIMESTEP(SEC.) = 11.50 MEAN TIMESTEP(SEC.) = 11.25

MODEL TIME(HOURS) = 4.75 (SECONDS) = .171E+05 (TOTAL TIMESTEP NUMBER) = 1.7E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 129.72

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.238	.239	.249	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.238	1561.239	1558.249	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.250	.243	.239	.240	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.250	1540.243	1541.239	1542.240	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.250
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.248	.237	.246	.000	.000	.000	.000	.000	.247	.219
ELEVATION	1521.248	1522.237	1520.246	1521.000	1525.000	1525.000	1510.000	1506.000	1502.247	1515.219
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.243	.238	.250	.237	.246	.014	.000	.000	.000	.000
ELEVATION	1505.243	1503.238	1501.250	1499.237	1498.246	1495.015	1359.000	1359.000	1349.000	1349.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.040	.242	.245	.243	.240	.241	.235	.250	.000
ELEVATION	1350.000	1477.040	1476.242	1478.245	1478.243	1486.240	1482.241	1487.235	1478.250	1494.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.155	.249	.243	.244	.249	.248	.245	.245
ELEVATION	1496.000	1476.000	1473.155	1470.249	1466.243	1466.244	1461.249	1458.248	1455.245	1454.245
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.262	1.253	.239	.238	.237
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.262	1432.253	1435.239	1440.238	1445.237
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.238	.243	.107	.000	.000	.000	.000	.246	.244	.239
ELEVATION	1448.238	1446.243	1449.107	1452.000	1457.000	1442.000	1436.000	1432.246	1432.244	1431.239
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.242	.243	.244	.000	.000	2.299	.000	.000	.000	.000
ELEVATION	1425.242	1421.243	1432.244	1440.000	1363.000	202.299	1305.000	1270.000	1260.000	1430.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-.689	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	-.466	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.230	.243	.250	.241	.241	.246	.244	.000	.000	.242
ELEVATION	1429.230	1411.243	1411.250	1414.241	1413.241	1415.246	1417.244	1423.000	1410.000	1405.241
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.247	.245	.248	.235	.250	.224	.007	.000	.000	.000
ELEVATION	1403.247	1396.245	1398.248	1400.235	1385.250	1400.224	1388.007	1265.000	1260.000	1258.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	2.279	.000	.000	.000	.000	.000	.000	.244
ELEVATION	1260.000	1300.000	202.279	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.244
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.466	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.247	.239	.250	.248	.250	2.259	.000	.000	.248	.248
ELEVATION	1380.247	1385.239	1380.250	1385.248	1385.250	1385.259	1402.000	1391.000	1384.248	1371.248
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.230	.247	.231	.239	.245	.000	.000	.000	.000	.000
ELEVATION	1370.230	1375.247	1379.231	1363.239	1350.245	1365.000	1292.000	1296.000	200.000	200.000

VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	7.221	6.481	.166	.237
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	207.221	206.481	1330.166	1335.237
VEL-N	.000	.000	.000	.000	.000	.000	.000	5.881	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-5.881	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	6.973	.000	.000

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.234	.242	.250	.248	.258	.249	.000	.000	.000	.000
ELEVATION	1345.234	1371.242	1345.250	1370.248	1370.258	1376.249	1380.000	1387.000	1380.000	1378.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.036	.250	.244	.259	.247	.258	.151	6.786	7.431	.000
ELEVATION	1374.036	1370.250	1365.244	1335.259	1320.247	1315.258	1310.151	206.786	207.431	1376.000
VEL-N	.000	.000	4.083	.000	1.861	1.623	.000	6.073	.000	.000
VEL-E	.000	.000	-1.207	.000	.000	.000	.000	.000	-6.973	.000
VEL-S	.000	.000	.000	-4.083	.000	-1.861	-1.623	.000	-6.073	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	2.309	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	202.309	1330.000	1345.000	1360.000	1371.000	1371.000	1371.000	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	-.439	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.000	.000	.000	2.313	2.290	.000	.000
ELEVATION	1369.000	1370.000	1370.000	1371.000	1360.000	1330.000	202.313	202.290	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	-.603	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.439	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.603	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-.637	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	2.307	2.267	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	202.307	202.267	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	-.719	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.637	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.719	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	-.679	.719	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	2.307	2.263	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	202.307	202.263	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.679	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-.719	.679	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-.679	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.689	.000	.000

MIN. TIMESTEP(SEC.) = 11.00 MAX. TIMESTEP(SEC.) = 11.50 MEAN TIMESTEP(SEC.) = 11.24

MODEL TIME(HOURS) = 5.00 (SECONDS) = .180E+05 (TOTAL TIMESTEP NUMBER) = 1.9E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 7 IS EQUAL TO 129.72

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.238	.239	.249	.000
ELEVATION	1381.000	1375.000	1370.000	1365.000	1365.000	1364.000	1565.238	1561.239	1558.249	1569.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.250	.243	.239	.240	.000	.000
ELEVATION	1568.000	1567.000	1542.000	1541.000	1540.250	1540.243	1541.239	1542.240	1545.000	1362.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.250
ELEVATION	1360.000	1369.000	1368.000	1365.000	1365.000	1363.000	1361.000	1358.000	1523.000	1521.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.248	.237	.246	.000	.000	.000	.000	.000	.247	.219
ELEVATION	1521.248	1522.237	1520.246	1521.000	1525.000	1525.000	1510.000	1506.000	1502.247	1515.219
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.243	.238	.250	.237	.246	.014	.000	.000	.000	.000
ELEVATION	1505.243	1503.238	1501.250	1499.237	1498.246	1495.015	1359.000	1359.000	1349.000	1349.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.040	.242	.245	.243	.240	.241	.235	.250	.000
ELEVATION	1350.000	1477.040	1476.242	1478.245	1478.243	1486.240	1482.241	1487.235	1478.250	1494.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.155	.249	.243	.244	.249	.248	.245	.245
ELEVATION	1496.000	1476.000	1473.155	1470.249	1466.243	1466.244	1461.249	1458.248	1455.245	1454.245
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.262	1.253	.239	.238	.237
ELEVATION	1457.000	1356.000	1360.000	1363.000	1440.000	1432.262	1432.253	1435.239	1440.238	1445.237
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.238	.243	.107	.000	.000	.000	.000	.246	.244	.239
ELEVATION	1448.238	1446.243	1449.107	1452.000	1457.000	1442.000	1436.000	1432.246	1432.244	1431.239
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.242	.243	.244	.000	.000	2.286	.000	.000	.000	.000
ELEVATION	1425.242	1421.243	1432.244	1440.000	1363.000	202.286	1305.000	1270.000	1260.000	1430.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.645	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.465	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.230	.243	.250	.241	.241	.246	.244	.000	.000	.242
ELEVATION	1429.230	1411.243	1411.250	1414.241	1413.241	1415.246	1417.244	1423.000	1410.000	1405.241
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.247	.245	.248	.235	.250	.224	.007	.000	.000	.000
ELEVATION	1403.247	1396.245	1398.248	1400.235	1385.250	1400.224	1388.007	1265.000	1260.000	1258.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	2.305	.000	.000	.000	.000	.000	.000	.244
ELEVATION	1260.000	1300.000	202.305	1355.000	1358.000	1353.000	1351.000	200.000	1430.000	1375.244
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-.465	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.247	.239	.250	.248	.250	2.259	.000	.000	.248	.248
ELEVATION	1380.247	1385.239	1380.250	1385.248	1385.250	1385.259	1402.000	1391.000	1384.248	1371.248
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.230	.247	.231	.239	.245	.000	.000	.000	.000	.000
ELEVATION	1370.230	1375.247	1379.231	1363.239	1350.245	1365.000	1292.000	1296.000	200.000	200.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	6.805	7.474	.166	.237
ELEVATION	1257.000	1250.000	1255.000	1247.000	1385.000	1383.000	206.805	207.474	1330.166	1335.237
VEL-N	.000	.000	.000	.000	.000	.000	.000	-5.858	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	5.858	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	-6.818	.000	.000

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.234	.242	.250	.248	.258	.249	.000	.000	.000	.000
ELEVATION	1345.234	1371.242	1345.250	1370.248	1370.258	1376.249	1380.000	1387.000	1380.000	1378.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.036	.250	.247	.249	.258	.248	.119	7.277	6.517	.000
ELEVATION	1374.036	1370.250	1365.247	1335.249	1320.258	1315.248	1310.119	207.277	206.517	1376.000
VEL-N	.000	.000	.000	3.241	.000	1.527	.000	-5.663	.000	.000
VEL-E	.000	.000	-1.195	.000	.000	.000	.000	.000	6.818	.000
VEL-S	.000	.000	.000	.000	-3.241	.000	-1.527	.000	5.663	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	2.326	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	202.326	1330.000	1345.000	1360.000	1371.000	1371.000	1371.000	1373.000	1375.000	1370.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.350	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.000	.000	.000	2.313	2.333	.000	.000
ELEVATION	1369.000	1370.000	1370.000	1371.000	1360.000	1330.000	202.313	202.333	1360.000	1357.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-.350	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.756	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	2.285	2.331	.000	.000
ELEVATION	1428.000	1425.000	1421.000	1411.000	1415.000	1419.000	202.285	202.331	1348.000	1348.000
VEL-N	.000	.000	.000	.000	.000	.000	.641	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-.756	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-.641	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.681	-.641	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	2.285	2.325	.000	.000
ELEVATION	1348.000	1348.000	1347.000	1346.000	1352.000	1295.000	202.285	202.325	1398.000	1401.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	-.681	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.641	-.681	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.681	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	-.645	.000	.000

MIN. TIMESTEP(SEC.) = 11.00 MAX. TIMESTEP(SEC.) = 11.50 MEAN TIMESTEP(SEC.) = 11.09

==========

MAXIMUM WATER SURFACE VALUES FOR FLOOD PLAIN

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.000	.000	.890	.380	.263	.000
TIME	5.001	5.001	5.001	5.001	5.001	5.001	1.004	1.071	1.362	5.001
NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.250	.295	.614	1.025	.000	.000
TIME	5.001	5.001	5.001	5.001	5.001	.962	1.062	1.021	5.001	5.001
NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.284
TIME	5.001	5.001	5.001	5.001	5.001	5.001	5.001	5.001	5.001	1.329
NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	1.344	.453	.769	.000	.000	.000	.000	.000	.295	.292
TIME	1.046	1.112	1.212	5.001	5.001	5.001	5.001	5.001	1.237	1.754
NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.509	.744	.379	.263	.253	.014	.000	.000	.000	.000
TIME	1.137	1.096	1.112	1.021	2.745	5.001	5.001	5.001	5.001	5.001
NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.040	.291	.439	.780	.295	.408	.268	.264	.000
TIME	5.001	5.001	1.287	1.137	1.129	1.337	.921	1.946	2.353	5.001
NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.155	.267	.438	.279	.735	.561	.377	.257
TIME	5.001	5.001	5.001	2.195	1.029	1.354	1.137	1.146	1.196	1.712
NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	2.495	1.511	.490	.750	.747
TIME	5.001	5.001	5.001	5.001	5.001	2.146	2.188	1.212	.721	1.146
NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.274	.543	.107	.000	.000	.000	.000	.588	.277	.479
TIME	1.329	1.137	5.001	5.001	5.001	5.001	5.001	1.229	1.829	1.171
NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.865	.822	.272	.000	.000	2.314	.000	.000	.000	.000
TIME	.737	1.229	2.163	5.001	5.001	4.998	5.001	5.001	5.001	5.001
NODE	101	102	103	104	105	106	107	108	109	110

DEPTH	.257	.570	.952	.348	.291	.262	.600	.000	.000	.429
TIME	2.293	.846	.787	.729	1.529	1.637	1.337	5.001	5.001	1.446
NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.275	.482	.451	.554	1.243	.255	.007	.000	.000	.000
TIME	1.787	1.629	.896	.837	.912	3.373	5.001	5.001	5.001	5.001
NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	2.305	.000	.000	.000	.000	.000	.000	.900
TIME	5.001	5.001	5.001	5.001	5.001	5.001	5.001	5.001	5.001	1.046
NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	1.163	.298	.544	.290	.409	2.422	.000	.000	.256	.475
TIME	.987	.896	1.012	1.754	2.443	2.455	5.001	5.001	2.396	1.904
NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	5.418	.278	.306	.794	.574	.000	.000	.000	.000	.000
TIME	1.946	2.029	1.021	1.087	1.137	5.001	5.001	5.001	5.001	5.001
NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	7.248	7.476	.288	.665
TIME	5.001	5.001	5.001	5.001	5.001	5.001	4.998	4.835	1.629	1.496
NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.558	.267	.644	.367	.490	.256	.000	.000	.000	.000
TIME	1.129	1.887	1.946	1.954	2.532	3.301	5.001	5.001	5.001	5.001
NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.036	.251	.264	.498	.738	1.447	.426	7.297	7.489	.000
TIME	5.001	2.831	2.258	2.286	2.273	2.179	2.037	4.988	4.991	5.001
NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	2.582	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	2.046	5.001	5.001	5.001	5.001	5.001	5.001	5.001	5.001	5.001
NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.000	.000	.000	2.333	2.340	.000	.000
TIME	5.001	5.001	5.001	5.001	5.001	5.001	4.998	4.994	5.001	5.001
NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	2.318	2.331	.000	.000
TIME	5.001	5.001	5.001	5.001	5.001	5.001	4.998	5.001	5.001	5.001
NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	2.318	2.325	.000	.000
TIME	5.001	5.001	5.001	5.001	5.001	5.001	4.998	5.001	5.001	5.001

*** DIFFUSION ROUTING ***

OHM 5-HOUR SIMULATION
FOR BREACH AT LOCATION B

MIN. TIMESTEP(SEC.) = .50
MAX. TIMESTEP(SEC.) = 30.00
INCREASED TIMESTEP INTERVAL (SEC.) = .50
DECREASED TIMESTEP INTERVAL (SEC.) = .50
TOTAL SIMULATION(HOUR) = 5.00
UPDATE INTERVAL(TIMESTEPS) = 1
OUTPUT INTERVAL(HOUR) = .25
NUMBER OF NODAL POINTS FOR FLOOD PLAIN = 246
UNIFORM GRID SIDE(FEET) = 1000.000
NUMBER OF NODAL POINTS FOR CHANNEL = 19
RETENTION WATER DEPTH(FEET) = .2500
TOLERANCE OF CHANGE IN WATER DEPTH(FEET) = *****
PERCENTAGE OF CHANGE IN WATER DEPTH = 10.0 % SHDBRCHB.OUT: filename

---

NODAL POINT DATA ENTRY:

*** FLOOD PLAIN INFORMATION ***
NC = CENTRAL GRID NODE
NN,NE,NS,NW = NORTH, EAST, SOUTH, WEST NODAL POINTS
NBAR = NODAL POINT MANNINGS ROUGHNESS COEFFICIENT
(NEGATIVE SIGN INDICATES A CHANNEL PASSING THROUGH)
ELEV = NODAL POINT ELEVATION
DEPTH = INITIAL WATER DEPTH AT NODE

NC	NN	NE	NS	NW	NBAR	ELEV.	DEPTH
1	0	238	2	0	-.0250	1343.0	.0
2	1	239	3	0	-.0450	1343.0	.0
3	2	240	10	0	-.0450	1342.0	.0
4	0	0	5	17	.0250	1561.0	.0
5	4	0	6	16	.0200	1558.0	.0
6	5	0	7	15	.0250	1558.0	.0
7	6	0	8	14	.0350	1688.0	.0
8	7	0	9	13	.0350	1555.0	.0
9	8	0	10	12	.0250	1553.0	.0
10	3	241	11	0	-.0350	1342.0	.0
11	10	242	19	0	-.0350	1342.0	.0
12	13	9	11	29	.0350	1537.0	.0
13	14	8	12	28	.0350	1541.0	.0
14	15	7	13	27	.0350	1540.0	.0
15	16	6	14	26	.0450	1541.0	.0
16	17	5	15	25	.0450	1541.0	.0
17	18	4	16	24	.0250	1541.0	.0
18	0	0	17	23	.0250	1542.0	.0
19	11	243	20	0	-.0350	1342.0	.0
20	19	244	21	0	-.0450	1341.0	.0
21	20	245	22	0	-.0450	1341.0	.0
22	21	246	39	0	-.0450	1340.0	.0
23	0	18	24	38	.0250	1530.0	.0
24	23	17	25	37	.0200	1529.0	.0
25	24	16	26	36	.0350	1529.0	.0
26	25	15	27	35	.0250	1527.0	.0
27	26	14	28	34	.0350	1523.0	.0
28	27	13	29	33	.0450	1524.0	.0
29	28	12	30	32	.0450	1523.0	.0

30	29	11	0	31	.0350	1518.0	.0
31	32	30	0	50	.0350	1503.0	.0
32	33	29	31	49	.0450	1505.0	.0
33	34	28	32	48	.0350	1506.0	.0
34	35	27	33	47	.0350	1510.0	.0
35	36	26	34	46	.0350	1512.0	.0
36	37	25	35	45	.0350	1513.0	.0
37	38	24	36	44	.0350	1515.0	.0
38	0	23	37	43	.0350	1518.0	.0
39	22	151	40	0	-.0350	1339.0	.0
40	39	150	41	0	-.0350	1337.0	.0
41	40	149	120	61	-.0350	1342.0	.0
42	0	0	43	59	.0350	1501.0	.0
43	42	38	44	58	.0450	1500.0	.0
44	43	37	45	57	.0450	1504.0	.0
45	44	36	46	56	.0450	1502.0	.0
46	45	35	47	55	.0350	1500.0	.0
47	46	34	48	54	.0350	1497.0	.0
48	47	33	49	53	.0250	1495.0	.0
49	48	32	50	52	.0250	1494.0	.0
50	49	31	0	51	.0350	1493.0	.0
51	52	50	0	72	.0250	1481.0	.0
52	53	49	51	71	.0250	1480.0	.0
53	54	48	52	70	.0350	1483.0	.0
54	55	47	53	69	.0350	1483.0	.0
55	56	46	54	68	.0350	1488.0	.0
56	57	45	55	67	.0350	1489.0	.0
57	58	44	56	66	.0450	1489.0	.0
58	59	43	57	65	.0450	1486.0	.0
59	60	42	58	64	.0450	1484.0	.0
60	0	0	59	63	.0250	1480.0	.0
61	0	41	75	0	-.0250	1337.0	.0
62	0	0	63	89	.0350	1457.0	.0
63	62	60	64	88	.0450	1469.0	.0
64	63	59	65	87	.0450	1472.0	.0
65	64	58	66	86	.0450	1474.0	.0
66	65	57	67	85	.0450	1478.0	.0
67	66	56	68	84	.0450	1478.0	.0
68	67	55	69	83	.0450	1475.0	.0
69	68	54	70	82	.0450	1470.0	.0
70	69	53	71	81	.0250	1470.0	.0
71	70	52	72	80	.0350	1468.0	.0
72	71	51	73	79	.0250	1467.0	.0
73	72	0	74	78	.0250	1466.0	.0
74	73	0	75	77	.0350	1460.0	.0
75	61	120	90	0	-.0250	1337.0	.0
76	77	75	0	105	.0350	1449.0	.0
77	78	74	76	104	.0350	1455.0	.0
78	79	73	77	103	.0250	1453.0	.0
79	80	72	78	102	.0350	1456.0	.0
80	81	71	79	101	.0450	1458.0	.0
81	82	70	80	100	.0450	1457.0	.0
82	83	69	81	99	.0450	1459.0	.0
83	84	68	82	98	.0350	1460.0	.0
84	85	67	83	97	.0450	1462.0	.0
85	86	66	84	96	.0450	1463.0	.0
86	87	65	85	95	.0450	1459.0	.0
87	88	64	86	94	.0450	1456.0	.0
88	89	63	87	93	.0450	1454.0	.0
89	0	62	88	92	.0250	1450.0	.0

90	75	91	0	0	-.0250	1336.0	.0
91	120	0	0	90	.0350	1344.0	.0
92	0	89	93	119	.0350	1438.0	.0
93	92	88	94	118	.0250	1441.0	.0
94	93	87	95	117	.0350	1443.0	.0
95	94	86	96	116	.0450	1447.0	.0
96	95	85	97	115	.0450	1450.0	.0
97	96	84	98	114	.0450	1450.0	.0
98	97	83	99	113	.0250	1448.0	.0
99	98	82	100	112	.0450	1447.0	.0
100	99	81	101	111	.0350	1447.0	.0
101	100	80	102	110	.0450	1446.0	.0
102	101	79	103	109	.0450	1443.0	.0
103	102	78	104	108	.0250	1442.0	.0
104	103	77	105	107	.0250	1440.0	.0
105	104	76	0	106	.0250	1438.0	.0
106	107	105	0	135	.0350	1427.0	.0
107	108	104	106	134	.0350	1428.0	.0
108	109	103	107	133	.0250	1430.0	.0
109	110	102	108	132	.0350	1432.0	.0
110	111	101	109	131	.0450	1433.0	.0
111	112	100	110	130	.0450	1435.0	.0
112	113	99	111	129	.0450	1436.0	.0
113	114	98	112	128	.0450	1439.0	.0
114	115	97	113	127	.0350	1440.0	.0
115	116	96	114	126	.0250	1439.0	.0
116	117	95	115	125	.0350	1434.0	.0
117	118	94	116	124	.0350	1435.0	.0
118	119	93	117	123	.0350	1431.0	.0
119	0	92	118	122	.0250	1429.0	.0
120	41	121	91	75	.0350	1344.0	.0
121	149	0	0	120	.0350	1349.0	.0
122	0	119	123	0	.0350	1419.0	.0
123	122	118	124	148	.0350	1420.0	.0
124	123	117	125	147	.0350	1423.0	.0
125	124	116	126	146	.0450	1424.0	.0
126	125	115	127	145	.0350	1423.0	.0
127	126	114	128	144	.0250	1424.0	.0
128	127	113	129	143	.0450	1428.0	.0
129	128	112	130	142	.0450	1425.0	.0
130	129	111	131	141	.0450	1424.0	.0
131	130	110	132	140	.0450	1423.0	.0
132	131	109	133	139	.0350	1421.0	.0
133	132	108	134	138	.0350	1420.0	.0
134	133	107	135	137	.0350	1420.0	.0
135	134	106	0	136	.0350	1418.0	.0
136	137	135	0	165	.0450	1408.0	.0
137	138	134	136	164	.0450	1410.0	.0
138	139	133	137	163	.0450	1410.0	.0
139	140	132	138	162	.0350	1411.0	.0
140	141	131	139	161	.0350	1416.0	.0
141	142	130	140	160	.0450	1417.0	.0
142	143	129	141	159	.0450	1417.0	.0
143	144	128	142	158	.0450	1417.0	.0
144	145	127	143	157	.0450	1418.0	.0
145	146	126	144	156	.0350	1416.0	.0
146	147	125	145	155	.0450	1413.0	.0
147	148	124	146	154	.0350	1413.0	.0
148	0	123	147	153	.0350	1411.0	.0
149	150	0	121	41	.0350	1348.0	.0

150	151	179	149	40	.0450	1347.0	.0
151	246	152	150	39	.0350	1346.0	.0
152	223	181	179	151	.0450	1353.0	.0
153	0	148	154	178	.0350	1401.0	.0
154	153	147	155	177	.0350	1401.0	.0
155	154	146	156	176	.0350	1403.0	.0
156	155	145	157	175	.0450	1406.0	.0
157	156	144	158	174	.0450	1405.0	.0
158	157	143	159	173	.0450	1407.0	.0
159	158	142	160	172	.0450	1408.0	.0
160	159	141	161	171	.0450	1407.0	.0
161	160	140	162	170	.0450	1403.0	.0
162	161	139	163	169	.0450	1403.0	.0
163	162	138	164	168	.0450	1402.0	.0
164	163	137	165	167	.0350	1403.0	.0
165	164	136	209	166	.0350	1399.0	.0
166	167	165	208	195	.0350	1390.0	.0
167	168	164	166	194	.0350	1393.0	.0
168	169	163	167	193	.0450	1390.0	.0
169	170	162	168	192	.0450	1391.0	.0
170	171	161	169	191	.0350	1394.0	.0
171	172	160	170	190	.0450	1396.0	.0
172	173	159	171	189	.0450	1395.0	.0
173	174	158	172	188	.0450	1393.0	.0
174	175	157	173	187	.0350	1395.0	.0
175	176	156	174	186	.0350	1394.0	.0
176	177	155	175	185	.0350	1394.0	.0
177	178	154	176	184	.0450	1392.0	.0
178	0	153	177	0	.0250	1388.0	.0
179	152	180	0	150	.0350	1353.0	.0
180	181	182	0	179	.0450	1362.0	.0
181	222	196	180	152	.0450	1361.0	.0
182	196	183	0	180	.0350	1371.0	.0
183	195	208	0	182	.0350	1380.0	.0
184	0	177	185	207	.0350	1383.0	.0
185	184	176	186	206	.0350	1385.0	.0
186	185	175	187	205	.0350	1387.0	.0
187	186	174	188	204	.0450	1386.0	.0
188	187	173	189	203	.0450	1385.0	.0
189	188	172	190	202	.0450	1386.0	.0
190	189	171	191	201	.0450	1390.0	.0
191	190	170	192	200	.0450	1382.0	.0
192	191	169	193	199	.0450	1384.0	.0
193	192	168	194	198	.0350	1383.0	.0
194	193	167	195	197	.0250	1388.0	.0
195	194	166	183	196	.0350	1379.0	.0
196	197	195	182	181	.0450	1370.0	.0
197	198	194	196	222	.0350	1372.0	.0
198	199	193	197	221	.0350	1373.0	.0
199	200	192	198	220	.0350	1374.0	.0
200	201	191	199	219	.0350	1374.0	.0
201	202	190	200	218	.0350	1379.0	.0
202	203	189	201	217	.0450	1378.0	.0
203	204	188	202	216	.0450	1378.0	.0
204	205	187	203	215	.0450	1377.0	.0
205	206	186	204	214	.0350	1381.0	.0
206	207	185	205	213	.0450	1377.0	.0
207	210	184	206	212	.0450	1375.0	.0
208	166	209	0	183	.0350	1393.0	.0
209	165	0	0	208	.0450	1400.0	.0

210	0	0	207	211	.0350	1374.0	.0
211	0	210	212	234	.0450	1365.0	.0
212	211	207	213	233	.0450	1367.0	.0
213	212	206	214	232	.0450	1369.0	.0
214	213	205	215	231	.0450	1366.0	.0
215	214	204	216	230	.0450	1368.0	.0
216	215	203	217	229	.0450	1367.0	.0
217	216	202	218	228	.0450	1367.0	.0
218	217	201	219	227	.0450	1368.0	.0
219	218	200	220	226	.0350	1367.0	.0
220	219	199	221	225	.0350	1366.0	.0
221	220	198	222	224	.0350	1364.0	.0
222	221	197	181	223	.0450	1361.0	.0
223	224	222	152	246	.0450	1354.0	.0
224	225	221	223	245	.0450	1355.0	.0
225	226	220	224	244	.0350	1358.0	.0
226	227	219	225	243	.0350	1359.0	.0
227	228	218	226	242	.0450	1359.0	.0
228	229	217	227	241	.0450	1361.0	.0
229	230	216	228	240	.0450	1361.0	.0
230	231	215	229	239	.0350	1363.0	.0
231	232	214	230	238	.0450	1360.0	.0
232	233	213	231	237	.0350	1368.0	.0
233	234	212	232	236	.0350	1357.0	.0
234	0	211	233	235	.0450	1358.0	.0
235	0	234	236	0	-.0450	1343.0	.0
236	235	233	237	0	-.0350	1343.0	.0
237	236	232	238	0	-.0350	1343.0	.0
238	237	231	239	1	-.0350	1349.0	.0
239	238	230	240	2	.0250	1350.0	.0
240	239	229	241	3	.0450	1352.0	.0
241	240	228	242	10	.0450	1352.0	.0
242	241	227	243	11	.0450	1352.0	.0
243	242	226	244	19	.0350	1352.0	.0
244	243	225	245	20	.0450	1348.0	.0
245	244	224	246	21	.0450	1345.0	.0
246	245	223	151	22	.0350	1345.0	.0

INFLOW HYDROGRAPH AT NODE # 5

HOUR	CFS
.0	0.
.5	6400.
1.0	12480.
1.5	10350.
2.0	6050.
2.3	2700.
2.8	2700.
3.0	2200.
3.5	800.
3.8	0.

NUMBER OF CRITICAL-DEPTH OUTFLOW NODES = 1

CRITICAL-DEPTH OUTFLOW NODE NUMBERS:

90

CHANNEL INFORMATION

NODE	NBAR	WIDTH	DEPTH	BOTTOM	INITIAL DEPTH
1	.0200	80.0	9.0	1334.0	.0
2	.0200	80.0	9.0	1334.0	.0
3	.0200	80.0	9.0	1333.0	.0
10	.0200	80.0	9.0	1333.0	.0
11	.0200	80.0	9.0	1333.0	.0
19	.0200	80.0	9.0	1333.0	.0
20	.0200	80.0	9.0	1332.0	.0
21	.0200	80.0	9.0	1332.0	.0
22	.0200	80.0	9.0	1331.0	.0
39	.0250	300.0	9.0	1330.0	.0
40	.0250	300.0	9.0	1328.0	.0
41	.0250	300.0	14.0	1328.0	.0
61	.0250	300.0	9.0	1328.0	.0
75	.0250	300.0	9.0	1328.0	.0
90	.0250	300.0	9.0	1327.0	.0
235	.0200	80.0	9.0	1334.0	.0
236	.0200	80.0	9.0	1334.0	.0
237	.0200	80.0	9.0	1334.0	.0
238	.0200	80.0	15.0	1334.0	.0

OUTFLOW IS APPROXIMATED AS THE FOLLOWING EQUATION:

QOUT = ALPHA*(DEPTH)**BETA

OUTFLOW NODE # 90

DEPTH LESS THAN OR EQUAL TO	ALPHA	BETA
9.0	*******	1.500

MODEL TIME(HOURS) = .25 (SECONDS) = .915E+03 (TOTAL TIMESTEP NUMBER) = 6.0E+01

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 3253.33

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.739	.114	.000	.000	.000	.000
ELEVATION	1343.000	1343.000	1342.000	1561.000	1558.739	1558.114	1688.000	1555.000	1553.000	1342.000
VEL-N	.000	.000	.000	.000	.000	-.932	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.932	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	4.430	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.008	.596	.011	.000	.000	.000
ELEVATION	1342.000	1537.000	1541.000	1540.000	1541.008	1541.596	1541.011	1542.000	1342.000	1341.000
VEL-N	.000	.000	.000	.000	-.316	.407	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-4.430	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.316	-.407	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	1.801	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.054	.000	.000	.000	.000	.000
ELEVATION	1341.000	1340.000	1530.000	1529.000	1529.054	1527.000	1523.000	1524.000	1523.000	1518.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-1.801	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
90	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 90 IS EQUAL TO .00

MIN. TIMESTEP(SEC.) = .50 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 15.25

MODEL TIME(HOURS) = .50 (SECONDS) = .181E+04 (TOTAL TIMESTEP NUMBER) = 9.0E+01

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 6450.66

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.953	.285	.000	.000	.000	.000
ELEVATION	1343.000	1343.000	1342.000	1561.000	1558.953	1558.285	1688.000	1555.000	1553.000	1342.000
VEL-N	.000	.000	.000	.000	.000	-1.224	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	1.224	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	5.702	2.376	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.026	.380	1.142	.258	.000	.000	.000
ELEVATION	1342.000	1537.000	1541.000	1540.026	1541.380	1542.142	1541.258	1542.000	1342.000	1341.000
VEL-N	.000	.000	.000	-.466	-.742	.972	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-2.376	-5.702	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.466	.742	-.972	.000	.000	.000
VEL-W	.000	.000	.000	.000	2.605	3.833	2.948	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.343	.644	.498	.050	.000	.000	.000
ELEVATION	1341.000	1340.000	1530.000	1529.343	1529.644	1527.498	1523.050	1524.000	1523.000	1518.000
VEL-N	.000	.000	.000	.000	.615	-1.586	-1.344	.000	.000	.000
VEL-E	.000	.000	.000	-2.948	-3.833	-2.605	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.615	1.586	1.344	.000	.000	.000	.000
VEL-W	.000	.000	.000	1.964	4.033	2.897	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.000	.215	.882	.025	.000	.000	.000
ELEVATION	1503.000	1505.000	1506.000	1510.000	1512.215	1513.882	1515.025	1518.000	1339.000	1337.000
VEL-N	.000	.000	.000	.000	-1.123	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-2.897	-4.033	-1.964	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	1.123	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	2.621	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.000	.000	.236	.000	.000	.000	.000	.000
ELEVATION	1342.000	1501.000	1500.000	1504.000	1502.236	1500.000	1497.000	1495.000	1494.000	1493.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-2.621	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
90	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 90 IS EQUAL TO .00

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = .75 (SECONDS) = .271E+04 (TOTAL TIMESTEP NUMBER) = 1.2E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 9490.66

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	1.204	.394	.000	.000	.000	.000
ELEVATION	1343.000	1343.000	1342.000	1561.000	1559.204	1558.394	1688.000	1555.000	1553.000	1342.000
VEL-N	.000	.000	.000	.000	.000	-1.607	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	1.607	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	6.655	2.940	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.174	.560	1.527	.342	.000	.000	.000
ELEVATION	1342.000	1537.000	1541.000	1540.174	1541.560	1542.527	1541.342	1542.000	1342.000	1341.000
VEL-N	.000	.000	.000	-.701	-1.050	1.388	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-2.940	-6.655	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.701	1.050	-1.388	.000	.000	.000
VEL-W	.000	.000	.000	.000	3.328	4.601	3.505	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.428	.785	.528	.305	.000	.000	.000
ELEVATION	1341.000	1340.000	1530.000	1529.428	1529.785	1527.528	1523.305	1524.000	1523.000	1518.000
VEL-N	.000	.000	.000	.000	.726	-1.769	-1.783	.000	.000	.000
VEL-E	.000	.000	.000	-3.505	-4.601	-3.328	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.726	1.769	1.783	.000	.000	.000	.000
VEL-W	.000	.000	.000	3.599	4.532	3.919	2.172	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.061	.409	.652	.936	.554	.000	.000	.000
ELEVATION	1503.000	1505.000	1506.061	1510.409	1512.652	1513.936	1515.554	1518.000	1339.000	1337.000
VEL-N	.000	.000	-1.055	-1.314	-1.288	-1.155	.000	.000	.000	.000
VEL-E	.000	.000	.000	-2.172	-3.919	-4.532	-3.599	.000	.000	.000
VEL-S	.000	.000	.000	1.055	1.314	1.288	1.155	.000	.000	.000
VEL-W	.000	.000	.000	2.657	3.465	3.353	2.130	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.000	.265	.641	.754	.523	.025	.000	.000
ELEVATION	1342.000	1501.000	1500.000	1504.265	1502.641	1500.754	1497.523	1495.025	1494.000	1493.000
VEL-N	.000	.000	.000	.000	.000	-1.198	-1.806	-.978	.000	.000
VEL-E	.000	.000	.000	-2.130	-3.353	-3.465	-2.657	.000	.000	.000
VEL-S	.000	.000	.000	.000	1.198	1.806	.978	.000	.000	.000

VEL-W	.000	.000	.000	.000	3.166	3.935	2.292	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.000	.167	.819	.676	.043	.000	.000	.000
ELEVATION	1481.000	1480.000	1483.000	1483.167	1488.819	1489.676	1489.043	1486.000	1484.000	1480.000
VEL-N	.000	.000	.000	-1.854	-.977	.467	.000	.000	.000	.000
VEL-E	.000	.000	.000	-2.292	-3.935	-3.166	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	1.854	.977	-.467	.000	.000	.000
VEL-W	.000	.000	.000	.000	2.491	2.308	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.000	.000	.000	.000	.246	.137	.000	.000
ELEVATION	1337.000	1457.000	1469.000	1472.000	1474.000	1478.000	1478.246	1475.137	1470.000	1470.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-2.308	-2.491	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
90	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 90 IS EQUAL TO .00

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 1.00 (SECONDS) = .361E+04 (TOTAL TIMESTEP NUMBER) = 1.5E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 12462.25

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	1.415	.503	.000	.000	.000	.000
ELEVATION	1343.000	1343.000	1342.000	1561.000	1559.415	1558.503	1688.000	1555.000	1553.000	1342.000
VEL-N	.000	.000	.000	.000	.000	-1.933	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	1.933	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	7.419	3.462	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.253	.727	1.775	.427	.000	.000	.000
ELEVATION	1342.000	1537.000	1541.000	1540.253	1541.727	1542.775	1541.427	1542.000	1342.000	1341.000
VEL-N	.000	.000	.000	-.882	-1.236	1.654	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-3.462	-7.419	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.882	1.236	-1.654	.000	.000	.000
VEL-W	.000	.000	.000	2.225	3.889	5.119	4.065	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.535	.915	.639	.500	.000	.000	.000
ELEVATION	1341.000	1340.000	1530.000	1529.535	1529.916	1527.639	1523.500	1524.000	1523.000	1518.000
VEL-N	.000	.000	.000	.000	.847	-1.991	-2.173	.000	.000	.000
VEL-E	.000	.000	.000	-4.065	-5.119	-3.889	-2.225	.000	.000	.000

VEL-S	.000	.000	.000	-.847	1.991	2.173	.000	.000	.000	.000
VEL-W	.000	.000	.000	4.178	5.018	4.459	3.002	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.015	.255	.544	.793	1.110	.639	.000	.000	.000
ELEVATION	1503.000	1505.015	1506.255	1510.544	1512.793	1514.110	1515.639	1518.000	1339.000	1337.000
VEL-N	.000	-.342	-1.499	-1.534	-1.485	-1.223	.000	.000	.000	.000
VEL-E	.000	.000	.000	-3.002	-4.459	-5.018	-4.178	.000	.000	.000
VEL-S	.000	.000	.342	1.499	1.534	1.485	1.223	.000	.000	.000
VEL-W	.000	.000	2.073	3.195	3.967	3.873	2.490	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.148	.372	.845	.846	.624	.363	.039	.000
ELEVATION	1342.000	1501.000	1500.148	1504.372	1502.845	1500.846	1497.624	1495.363	1494.039	1493.000
VEL-N	.000	.000	.000	.867	-.667	-1.481	-1.955	-1.460	-.731	.000
VEL-E	.000	.000	.000	-2.490	-3.873	-3.967	-3.195	-2.073	.000	.000
VEL-S	.000	.000	-.867	.667	1.481	1.955	1.460	.731	.000	.000
VEL-W	.000	.000	.000	2.081	3.534	3.832	3.615	2.706	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.032	.351	.836	.644	.673	.488	.074	.000	.000
ELEVATION	1481.000	1480.032	1483.351	1483.836	1488.644	1489.673	1489.488	1486.074	1484.000	1480.000
VEL-N	.000	-.929	-.657	-2.172	-1.024	.347	.818	.000	.000	.000
VEL-E	.000	.000	-2.706	-3.615	-3.832	-3.534	-2.081	.000	.000	.000
VEL-S	.000	.000	.929	.657	2.172	1.024	-.347	-.818	.000	.000
VEL-W	.000	.000	2.773	3.685	3.014	2.732	1.753	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.000	.000	.000	.245	.488	.555	1.209	.417
ELEVATION	1337.000	1457.000	1469.000	1472.000	1474.000	1478.245	1478.488	1475.555	1471.209	1470.417
VEL-N	.000	.000	.000	.000	.000	.000	.274	-1.117	-1.477	-1.084
VEL-E	.000	.000	.000	.000	.000	-1.753	-2.732	-3.014	-3.685	-2.773
VEL-S	.000	.000	.000	.000	.000	-.274	1.117	1.477	1.084	.807
VEL-W	.000	.000	.000	.000	.000	.000	2.487	3.089	3.730	1.826

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.014	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1468.014	1467.000	1466.000	1460.000	1337.000	1449.000	1455.000	1453.000	1456.000	1458.000
VEL-N	-.807	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.107	1.029	.644	.435	.000	.000	.000	.000	.000	.000
ELEVATION	1457.107	1460.029	1460.644	1462.435	1463.000	1459.000	1456.000	1454.000	1450.000	1336.000
VEL-N	-1.135	-.726	-.882	.000	.000	.000	.000	.000	.000	.000
VEL-E	-1.826	-3.730	-3.089	-2.487	.000	.000	.000	.000	.000	.000
VEL-S	.000	1.135	.726	.882	.000	.000	.000	.000	.000	.000
VEL-W	.000	2.477	3.311	1.429	.000	.000	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.000	.000	.000	.000	.000	.074	.331	.172	.000
ELEVATION	1344.000	1438.000	1441.000	1443.000	1447.000	1450.000	1450.074	1448.331	1447.172	1447.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	-.513	.000
VEL-E	.000	.000	.000	.000	.000	.000	-1.429	-3.311	-2.477	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.513	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	1.146	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120

DEPTH	.000	.000	.009	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1435.000	1436.000	1439.009	1440.000	1439.000	1434.000	1435.000	1431.000	1429.000	1344.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-1.146	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
90	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 90 IS EQUAL TO .00

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 1.25 (SECONDS) = .451E+04 (TOTAL TIMESTEP NUMBER) = 1.8E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 11397.25

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	1.352	.500	.000	.000	.000	.000
ELEVATION	1343.000	1343.000	1342.000	1561.000	1559.352	1558.500	1688.000	1555.000	1553.000	1342.000
VEL-N	.000	.000	.000	.000	.000	-1.835	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	1.835	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	7.218	3.469	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.261	.747	1.724	.429	.000	.000	.000
ELEVATION	1342.000	1537.000	1541.000	1540.261	1541.747	1542.724	1541.429	1542.000	1342.000	1341.000
VEL-N	.000	.000	.000	-.904	-1.191	1.608	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-3.469	-7.218	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.904	1.191	-1.608	.000	.000	.000
VEL-W	.000	.000	.000	.000	3.988	5.055	4.099	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.556	.906	.658	.559	.000	.000	.000
ELEVATION	1341.000	1340.000	1530.000	1529.556	1529.906	1527.658	1523.559	1524.000	1523.000	1518.000
VEL-N	.000	.000	.000	.000	.822	-1.996	-2.295	.000	.000	.000
VEL-E	.000	.000	.000	-4.099	-5.055	-3.988	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.822	1.996	2.295	.000	.000	.000	.000
VEL-W	.000	.000	.000	4.305	4.995	4.572	3.335	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.069	.299	.640	.832	1.158	.712	.000	.000	.000
ELEVATION	1503.000	1505.069	1506.298	1510.640	1512.832	1514.158	1515.712	1518.000	1339.000	1337.000
VEL-N	.000	-.419	-1.686	-1.621	-1.542	-1.336	.000	.000	.000	.000
VEL-E	.000	.000	.000	-3.335	-4.572	-4.995	-4.305	.000	.000	.000
VEL-S	.000	.000	.419	1.686	1.621	1.542	1.336	.000	.000	.000
VEL-W	.000	.000	2.302	3.578	4.107	3.969	2.672	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.256	.399	.855	.823	.721	.422	.244	.000
ELEVATION	1342.000	1501.000	1500.256	1504.399	1502.855	1500.823	1497.721	1495.422	1494.244	1493.000
VEL-N	.000	.000	.000	1.012	-.703	-1.491	-1.992	-1.635	-.974	.000
VEL-E	.000	.000	.000	-2.672	-3.969	-4.107	-3.578	-2.302	.000	.000
VEL-S	.000	.000	-1.012	.703	1.491	1.992	1.635	.974	.000	.000
VEL-W	.000	.000	1.581	2.190	3.725	4.000	3.999	3.050	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.250	.430	.998	.761	.787	.428	.347	.029	.000
ELEVATION	1481.000	1480.250	1483.430	1483.998	1488.761	1489.787	1489.427	1486.347	1484.029	1480.000
VEL-N	.000	-1.362	-.808	-2.449	-1.146	.505	.971	.515	.000	.000
VEL-E	.000	.000	-3.050	-3.999	-4.000	-3.725	-2.190	-1.581	.000	.000
VEL-S	.000	.000	1.362	.808	2.449	1.146	-.505	-.971	-.515	.000
VEL-W	.000	2.157	3.200	4.186	3.322	2.935	1.960	1.693	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.000	.005	.316	.414	.496	.615	1.265	.538
ELEVATION	1337.000	1457.000	1469.000	1472.005	1474.316	1478.414	1478.496	1475.615	1471.265	1470.538
VEL-N	.000	.000	.000	.000	.446	1.072	.167	-1.109	-1.573	-1.062
VEL-E	.000	.000	.000	.000	-1.693	-1.960	-2.935	-3.322	-4.186	-3.200
VEL-S	.000	.000	.000	-.446	-1.072	-.167	1.109	1.573	1.062	1.366
VEL-W	.000	.000	.000	.000	1.215	2.133	2.574	3.147	3.694	3.155

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.401	.018	.000	.000	.000	.000	.000	.000	.000	.047
ELEVATION	1468.401	1467.018	1466.000	1460.000	1337.000	1449.000	1455.000	1453.000	1456.000	1458.047
VEL-N	-1.366	-.617	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-2.157	.000	.000	.000	.000	.000	.000	.000	.000	-1.326
VEL-S	.617	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	1.326	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.891	.894	.534	.473	.348	.039	.000	.000	.000	.000
ELEVATION	1457.891	1459.894	1460.534	1462.473	1463.348	1459.039	1456.000	1454.000	1450.000	1336.000
VEL-N	-1.365	-.619	-.991	-.474	.703	.000	.000	.000	.000	.000
VEL-E	-3.155	-3.694	-3.147	-2.574	-2.133	-1.215	.000	.000	.000	.000
VEL-S	.000	1.365	.619	.991	.474	-.703	.000	.000	.000	.000
VEL-W	3.433	3.327	3.547	2.071	1.292	.000	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.000	.000	.000	.000	.065	.393	.654	1.024	.975
ELEVATION	1344.000	1438.000	1441.000	1443.000	1447.000	1450.065	1450.393	1448.654	1448.024	1447.975
VEL-N	.000	.000	.000	.000	.000	.000	.222	-.943	-.808	-.207
VEL-E	.000	.000	.000	.000	.000	-1.292	-2.071	-3.547	-3.327	-3.433
VEL-S	.000	.000	.000	.000	.000	-.222	.943	.808	.207	1.117
VEL-W	.000	.000	.000	.000	.000	.000	1.527	3.044	3.502	3.881

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.199	.000	.000	.000	.000	.000	.000	.000	.000	.045
ELEVATION	1446.199	1443.000	1442.000	1440.000	1438.000	1427.000	1428.000	1430.000	1432.000	1433.045
VEL-N	-1.117	.000	.000	.000	.000	.000	.000	.000	.000	-1.007
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.947	1.273	.663	.138	.000	.000	.000	.000	.000	.000
ELEVATION	1435.947	1437.273	1439.662	1440.138	1439.000	1434.000	1435.000	1431.000	1429.000	1344.000
VEL-N	-1.298	-1.209	.000	.000	.000	.000	.000	.000	.000	.000

VEL-E	-3.881	-3.502	-3.044	-1.527	.000	.000	.000	.000	.000	.000
VEL-S	1.007	1.298	1.209	.000	.000	.000	.000	.000	.000	.000
VEL-W	2.138	3.375	1.989	.000	.000	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	.000	.000	.000	.000	.000	.218	.636	.117
ELEVATION	1349.000	1419.000	1420.000	1423.000	1424.000	1423.000	1424.000	1428.218	1425.636	1424.117
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.595
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.989	-3.375	-2.138
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.595	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	1.344	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.000	.037	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1417.000	1417.037	1417.000	1418.000	1416.000	1413.000	1413.000	1411.000	1348.000	1347.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	-1.344	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
90	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 90 IS EQUAL TO .00

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 1.50 (SECONDS) = .541E+04 (TOTAL TIMESTEP NUMBER) = 2.1E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 10314.18

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	1.278	.466	.000	.000	.000	.000
ELEVATION	1343.000	1343.000	1342.000	1561.000	1559.278	1558.466	1688.000	1555.000	1553.000	1342.000
VEL-N	.000	.000	.000	.000	.000	-1.722	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	1.722	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	6.957	3.308	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.259	.697	1.640	.402	.000	.000	.000
ELEVATION	1342.000	1537.000	1541.000	1540.259	1541.697	1542.640	1541.402	1542.000	1342.000	1341.000
VEL-N	.000	.000	.000	-.858	-1.128	1.518	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-3.308	-6.957	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.858	1.128	-1.518	.000	.000	.000
VEL-W	.000	.000	.000	.000	3.814	4.886	3.927	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.523	.866	.618	.532	.000	.000	.000
ELEVATION	1341.000	1340.000	1530.000	1529.523	1529.866	1527.618	1523.532	1524.000	1523.000	1518.000

VEL-N	.000	.000	.000	.000	.785	-1.927	-2.205	.000	.000	.000
VEL-E	.000	.000	.000	-3.927	-4.886	-3.814	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.785	1.927	2.205	.000	.000	.000	.000
VEL-W	.000	.000	.000	4.134	4.845	4.384	3.225	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.149	.291	.608	.783	1.109	.669	.000	.000	.000
ELEVATION	1503.000	1505.149	1506.291	1510.609	1512.782	1514.109	1515.669	1518.000	1339.000	1337.000
VEL-N	.000	-.457	-1.638	-1.555	-1.492	-1.285	.000	.000	.000	.000
VEL-E	.000	.000	.000	-3.225	-4.384	-4.845	-4.134	.000	.000	.000
VEL-S	.000	.000	.457	1.638	1.555	1.492	1.285	.000	.000	.000
VEL-W	.000	.000	2.272	3.465	3.952	3.848	2.571	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.248	.380	.812	.781	.690	.415	.238	.023
ELEVATION	1342.000	1501.000	1500.248	1504.380	1502.812	1500.781	1497.690	1495.415	1494.238	1493.023
VEL-N	.000	.000	.000	.984	-.687	-1.440	-1.926	-1.593	-.975	-.460
VEL-E	.000	.000	.000	-2.571	-3.848	-3.952	-3.465	-2.272	.000	.000
VEL-S	.000	.000	-.984	.687	1.440	1.926	1.593	.975	.460	.000
VEL-W	.000	.000	1.547	2.119	3.625	3.849	3.891	3.015	2.790	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.334	.412	.956	.716	.765	.459	.343	.135	.000
ELEVATION	1481.000	1480.334	1483.412	1483.956	1488.716	1489.765	1489.459	1486.343	1484.135	1480.000
VEL-N	.000	-1.412	-.771	-2.346	-1.127	.469	1.002	.594	.000	.000
VEL-E	.000	-2.790	-3.015	-3.891	-3.849	-3.625	-2.119	-1.547	.000	.000
VEL-S	.000	.000	1.412	.771	2.346	1.127	-.469	-1.002	-.594	.000
VEL-W	.000	2.517	3.118	4.072	3.196	2.870	1.842	1.765	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.000	.139	.378	.310	.473	.583	1.233	.506
ELEVATION	1337.000	1457.000	1469.000	1472.139	1474.378	1478.310	1478.473	1475.583	1471.233	1470.506
VEL-N	.000	.000	.000	.000	.633	.946	.227	-1.078	-1.522	-1.045
VEL-E	.000	.000	.000	.000	-1.765	-1.842	-2.870	-3.196	-4.072	-3.118
VEL-S	.000	.000	.000	-.633	-.946	-.227	1.078	1.522	1.045	1.376
VEL-W	.000	.000	.000	.000	2.112	1.731	2.534	3.095	3.680	3.027

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.596	.275	.011	.000	.000	.000	.000	.000	.096	.405
ELEVATION	1468.596	1467.275	1466.011	1460.000	1337.000	1449.000	1455.000	1453.000	1456.096	1458.405
VEL-N	-1.376	-1.039	-.572	.000	.000	.000	.000	.000	-.696	.389
VEL-E	-2.517	.000	.000	.000	.000	.000	.000	.000	-1.654	-2.368
VEL-S	1.039	.572	.000	.000	.000	.000	.000	.000	.000	.696
VEL-W	2.368	1.654	.000	.000	.000	.000	.000	.000	.000	1.969

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.937	.906	.534	.468	.264	.522	.103	.000	.000	.000
ELEVATION	1457.937	1459.906	1460.534	1462.468	1463.264	1459.522	1456.103	1454.000	1450.000	1336.000
VEL-N	-1.375	-.613	-.990	.000	.000	.891	.000	.000	.000	.000
VEL-E	-3.027	-3.680	-3.095	-2.534	-1.731	-2.112	.000	.000	.000	.000
VEL-S	-.389	1.375	.613	.990	.000	.000	-.891	.000	.000	.000
VEL-W	3.389	3.383	3.565	2.019	.000	1.990	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.000	.000	.003	.296	.258	.355	.613	.964	.787
ELEVATION	1344.000	1438.000	1441.000	1443.003	1447.296	1450.258	1450.355	1448.613	1447.964	1447.787
VEL-N	.000	.000	.000	.000	.643	.761	.140	-.891	-.782	-.454
VEL-E	.000	.000	.000	.000	-1.990	.000	-2.019	-3.565	-3.383	-3.389
VEL-S	.000	.000	.000	-.643	-.761	-.140	.891	.782	.454	.986
VEL-W	.000	.000	.000	.000	1.134	1.575	1.704	2.911	3.352	3.456

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.454	.096	.000	.000	.000	.000	.000	.000	.138	.647
ELEVATION	1446.454	1443.096	1442.000	1440.000	1438.000	1427.000	1428.000	1430.000	1432.138	1433.647
VEL-N	-.986	-.797	.000	.000	.000	.000	.000	.000	-.766	-1.299
VEL-E	-1.969	.000	.000	.000	.000	.000	.000	.000	.000	-2.186
VEL-S	.797	.000	.000	.000	.000	.000	.000	.000	.000	.766
VEL-W	2.186	.000	.000	.000	.000	.000	.000	.000	.000	2.424

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.873	.934	.621	.250	.158	.005	.000	.000	.000	.000
ELEVATION	1435.873	1436.934	1439.621	1440.250	1439.158	1434.005	1435.000	1431.000	1429.000	1344.000
VEL-N	-1.006	-1.242	-.384	.570	.000	.000	.000	.000	.000	.000
VEL-E	-3.456	-3.352	-2.911	-1.704	-1.575	-1.134	.000	.000	.000	.000
VEL-S	1.299	1.006	1.242	.384	-.570	.000	.000	.000	.000	.000
VEL-W	3.132	3.306	2.151	2.541	.000	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	.000	.000	.000	.037	.452	.335	.966	1.112
ELEVATION	1349.000	1419.000	1420.000	1423.000	1424.000	1423.037	1424.452	1428.335	1425.966	1425.112
VEL-N	.000	.000	.000	.000	.000	.000	.701	1.298	-.786	-.940
VEL-E	.000	.000	.000	.000	.000	.000	-2.541	-2.151	-3.306	-3.132
VEL-S	.000	.000	.000	.000	.000	-.701	-1.298	.786	.940	1.176
VEL-W	.000	.000	.000	.000	.000	.000	1.337	1.685	2.880	3.015

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.949	.157	.000	.000	.000	.000	.000	.000	.024	.535
ELEVATION	1423.949	1421.157	1420.000	1420.000	1418.000	1408.000	1410.000	1410.000	1411.025	1416.535
VEL-N	-1.176	-1.301	.000	.000	.000	.000	.000	.000	-1.221	-1.333
VEL-E	-2.424	.000	.000	.000	.000	.000	.000	.000	.000	-2.544
VEL-S	1.301	.000	.000	.000	.000	.000	.000	.000	.000	1.221
VEL-W	2.544	.000	.000	.000	.000	.000	.000	.000	.000	1.718

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	1.151	1.136	.490	.072	.000	.000	.000	.000	.000	.000
ELEVATION	1418.151	1418.136	1417.490	1418.073	1416.000	1413.000	1413.000	1411.000	1348.000	1347.000
VEL-N	.176	.738	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.015	-2.880	-1.685	-1.337	.000	.000	.000	.000	.000	.000
VEL-S	1.333	-.176	-.738	.000	.000	.000	.000	.000	.000	.000
VEL-W	2.988	2.897	1.387	.000	.000	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	.000	.080	.602	.546
ELEVATION	1346.000	1353.000	1401.000	1401.000	1403.000	1406.000	1405.000	1407.080	1408.602	1407.546
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.588	-.702
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.387	-2.897	-2.988
VEL-S	.000	.000	.000	.000	.000	.000	.000	-.588	.702	.888
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	1.757	1.397

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.053	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1403.053	1403.000	1402.000	1403.000	1399.000	1390.000	1393.000	1390.000	1391.000	1394.000
VEL-N	-.888	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-1.718	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.029	.075	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1396.029	1395.075	1393.000	1395.000	1394.000	1394.000	1392.000	1388.000	1353.000	1362.000

VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-1.397	-1.757	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
90	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 90 IS EQUAL TO .00

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 1.75 (SECONDS) = .631E+04 (TOTAL TIMESTEP NUMBER) = 2.4E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 8164.18

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	1.122	.403	.000	.000	.000	.000
ELEVATION	1343.000	1343.000	1342.000	1561.000	1559.122	1558.403	1688.000	1555.000	1553.000	1342.000
VEL-N	.000	.000	.000	.000	.000	-1.487	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	1.487	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	6.393	3.012	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.256	.606	1.469	.355	.000	.000	.000
ELEVATION	1342.000	1537.000	1541.000	1540.256	1541.606	1542.469	1541.355	1542.000	1342.000	1341.000
VEL-N	.000	.000	.000	-.778	-.999	1.340	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-3.012	-6.393	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.778	.999	-1.340	.000	.000	.000
VEL-W	.000	.000	.000	.000	3.512	4.547	3.620	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.469	.787	.554	.487	.000	.000	.000
ELEVATION	1341.000	1340.000	1530.000	1529.469	1529.787	1527.554	1523.487	1524.000	1523.000	1518.000
VEL-N	.000	.000	.000	.000	.709	-1.798	-2.062	.000	.000	.000
VEL-E	.000	.000	.000	-3.620	-4.547	-3.512	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.709	1.798	2.062	.000	.000	.000	.000
VEL-W	.000	.000	.000	3.852	4.554	4.083	3.042	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.249	.262	.562	.713	1.021	.609	.000	.000	.000
ELEVATION	1503.000	1505.249	1506.262	1510.562	1512.713	1514.021	1515.609	1518.000	1339.000	1337.000
VEL-N	.000	-.476	-1.544	-1.462	-1.400	-1.219	.000	.000	.000	.000
VEL-E	.000	.000	.000	-3.042	-4.083	-4.554	-3.852	.000	.000	.000
VEL-S	.000	.000	.476	1.544	1.462	1.400	1.219	.000	.000	.000
VEL-W	.000	.000	2.122	3.291	3.721	3.649	2.419	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.255	.348	.752	.716	.643	.382	.255	.046

ELEVATION	1342.000	1501.000	1500.255	1504.348	1502.752	1500.716	1497.643	1495.382	1494.255	1493.046
VEL-N	.000	.000	.000	.944	-.654	-1.368	-1.825	-1.512	-.927	.000
VEL-E	.000	.000	.000	-2.419	-3.649	-3.721	-3.291	-2.122	.000	.000
VEL-S	.000	.000	-.944	.654	1.368	1.825	1.512	.927	.000	.000
VEL-W	.000	.000	.000	2.000	3.467	3.655	3.717	2.857	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.301	.380	.899	.667	.721	.428	.301	.255	.005
ELEVATION	1481.000	1480.301	1483.380	1483.899	1488.667	1489.721	1489.428	1486.301	1484.255	1480.005
VEL-N	.000	-1.351	-.720	-2.243	-1.083	.441	.951	.642	.000	.000
VEL-E	.000	.000	-2.857	-3.717	-3.655	-3.467	-2.000	.000	.000	.000
VEL-S	.000	.000	1.351	.720	2.243	1.083	-.441	-.951	-.642	.000
VEL-W	.000	2.457	2.959	3.911	3.062	2.765	1.779	1.658	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.009	.253	.329	.300	.450	.551	1.169	.471
ELEVATION	1337.000	1457.000	1469.009	1472.253	1474.329	1478.300	1478.450	1475.551	1471.169	1470.471
VEL-N	.000	.000	.000	.000	.658	.934	.211	-1.046	-1.471	-.985
VEL-E	.000	.000	.000	.000	-1.658	-1.779	-2.765	-3.062	-3.911	-2.959
VEL-S	.000	.000	.000	-.658	-.934	-.211	1.046	1.471	.985	1.315
VEL-W	.000	.000	.000	.000	1.930	1.724	2.457	2.984	3.553	2.886

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.552	.248	.073	.000	.000	.000	.000	.083	.272	.363
ELEVATION	1468.552	1467.248	1466.073	1460.000	1337.000	1449.000	1455.000	1453.083	1456.272	1458.363
VEL-N	-1.315	-.975	-.609	.000	.000	.000	.000	-.868	-.788	.365
VEL-E	-2.457	.000	.000	.000	.000	.000	.000	.000	-2.088	-2.229
VEL-S	.975	.609	.000	.000	.000	.000	.000	.000	.868	.788
VEL-W	2.229	2.088	.000	.000	.000	.000	.000	.000	1.750	1.838

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.892	.862	.507	.454	.249	.346	.264	.018	.000	.000
ELEVATION	1457.892	1459.862	1460.507	1462.454	1463.249	1459.346	1456.264	1454.018	1450.000	1336.000
VEL-N	-1.329	-.600	-.968	-.375	.830	.837	.432	.000	.000	.000
VEL-E	-2.886	-3.553	-2.984	-2.457	-1.724	-1.930	.000	.000	.000	.000
VEL-S	-.365	1.329	.600	.968	.375	-.830	-.837	-.432	.000	.000
VEL-W	3.290	3.274	3.444	1.943	1.496	1.749	1.776	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.000	.012	.340	.313	.259	.327	.579	.912	.754
ELEVATION	1344.000	1438.000	1441.012	1443.340	1447.313	1450.259	1450.327	1448.579	1447.912	1447.754
VEL-N	.000	.000	.000	.720	1.110	.000	.129	-.842	-.762	-.414
VEL-E	.000	.000	.000	-1.776	-1.749	-1.496	-1.943	-3.444	-3.274	-3.290
VEL-S	.000	.000	-.720	-1.110	.000	-.129	.842	.762	.414	.954
VEL-W	.000	.000	.000	1.183	1.993	.000	1.621	2.794	3.261	3.364

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.428	.374	.042	.000	.000	.000	.000	.065	.369	.632
ELEVATION	1446.428	1443.374	1442.042	1440.000	1438.000	1427.000	1428.000	1430.065	1432.369	1433.632
VEL-N	-.954	-.994	-.540	.000	.000	.000	.000	-.845	-.834	-1.259
VEL-E	-1.838	-1.750	.000	.000	.000	.000	.000	.000	-2.004	-2.129
VEL-S	.994	.540	.000	.000	.000	.000	.000	.000	.845	.834
VEL-W	2.129	2.004	.000	.000	.000	.000	.000	.000	2.257	2.415

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.831	.914	.616	.260	.224	.507	.020	.000	.000	.000
ELEVATION	1435.831	1436.914	1439.616	1440.260	1439.224	1434.507	1435.020	1431.000	1429.000	1344.000
VEL-N	-.994	-1.246	.000	.000	1.367	.000	.000	.000	.000	.000
VEL-E	-3.364	-3.261	-2.794	-1.621	.000	-1.993	-1.183	.000	.000	.000
VEL-S	1.259	.994	1.246	.000	.000	-1.367	.000	.000	.000	.000

VEL-W	3.035	3.249	2.069	.000	2.502	1.688	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	.000	.000	.119	.335	.360	.285	.898	1.037
ELEVATION	1349.000	1419.000	1420.000	1423.000	1424.119	1423.335	1424.360	1428.285	1425.898	1425.037
VEL-N	.000	.000	.000	.000	.000	.000	.793	1.150	-.698	-.903
VEL-E	.000	.000	.000	.000	-1.688	-2.502	.000	-2.069	-3.249	-3.035
VEL-S	.000	.000	.000	.000	.000	-.793	-1.150	.698	.903	1.096
VEL-W	.000	.000	.000	.000	.000	1.235	1.614	1.486	2.718	2.621

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.837	.500	.087	.000	.000	.000	.000	.174	.782	.510
ELEVATION	1423.837	1421.500	1420.087	1420.000	1418.000	1408.000	1410.000	1410.174	1411.782	1416.510
VEL-N	-1.096	-1.370	-.694	.000	.000	.000	.000	-.910	-1.866	-.967
VEL-E	-2.415	-2.257	.000	.000	.000	.000	.000	.000	-2.608	-2.445
VEL-S	1.370	.694	.000	.000	.000	.000	.000	.000	.910	1.866
VEL-W	2.445	2.608	.000	.000	.000	.000	.000	.000	2.710	2.672

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.763	.864	.477	.301	.096	.000	.000	.000	.000	.000
ELEVATION	1417.763	1417.864	1417.477	1418.301	1416.096	1413.000	1413.000	1411.000	1348.000	1347.000
VEL-N	-.291	.493	-.433	.591	.000	.000	.000	.000	.000	.000
VEL-E	-2.621	-2.718	-1.486	-1.614	-1.235	.000	.000	.000	.000	.000
VEL-S	.967	.291	-.493	.433	-.591	.000	.000	.000	.000	.000
VEL-W	2.577	2.473	2.016	1.691	.000	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	.316	.524	.499	.598
ELEVATION	1346.000	1353.000	1401.000	1401.000	1403.000	1406.000	1405.316	1407.524	1408.499	1407.598
VEL-N	.000	.000	.000	.000	.000	.000	.000	.871	.649	-.626
VEL-E	.000	.000	.000	.000	.000	.000	-1.691	-2.016	-2.473	-2.577
VEL-S	.000	.000	.000	.000	.000	.000	-.871	-.649	.626	1.449
VEL-W	.000	.000	.000	.000	.000	.000	1.068	2.562	2.359	2.481

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.835	.693	.043	.000	.000	.000	.000	.006	.467	1.052
ELEVATION	1403.835	1403.693	1402.043	1403.000	1399.000	1390.000	1393.000	1390.006	1391.467	1395.052
VEL-N	-1.449	-.377	-.667	.000	.000	.000	.000	-.421	-1.834	-1.068
VEL-E	-2.672	-2.710	.000	.000	.000	.000	.000	.000	-2.406	-3.142
VEL-S	.377	.667	.000	.000	.000	.000	.000	.000	.421	1.834
VEL-W	3.142	2.406	.000	.000	.000	.000	.000	.000	.976	3.514

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.616	.733	.808	.013	.000	.000	.000	.000	.000	.000
ELEVATION	1396.616	1395.733	1393.808	1395.013	1394.000	1394.000	1392.000	1388.000	1353.000	1362.000
VEL-N	.712	1.217	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-2.481	-2.359	-2.562	-1.068	.000	.000	.000	.000	.000	.000
VEL-S	1.068	-.712	-1.217	.000	.000	.000	.000	.000	.000	.000
VEL-W	1.516	2.247	1.756	.000	.000	.000	.000	.000	.000	.000

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.000	.000	.000	.000	.000	.000	.000	.129	.461	.268
ELEVATION	1361.000	1371.000	1380.000	1383.000	1385.000	1387.000	1386.000	1385.130	1386.461	1390.268
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.500	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.756	-2.247	-1.516
VEL-S	.000	.000	.000	.000	.000	.000	.000	-.500	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	1.133	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.546	.013	.000	.000	.000	.000	.000	.000	.000	.026

ELEVATION	1382.546	1384.013	1383.000	1388.000	1379.000	1370.000	1372.000	1373.000	1374.000	1374.026
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-3.514	-.976	.000	.000	.000	.000	.000	.000	.000	-1.339
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	1.339	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.033	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1379.000	1378.033	1378.000	1377.000	1381.000	1377.000	1375.000	1393.000	1400.000	1374.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	-1.133	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
90	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 90 IS EQUAL TO .00

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 2.00 (SECONDS) = .721E+04 (TOTAL TIMESTEP NUMBER) = 2.7E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 6003.49

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.945	.328	.000	.000	.000	.000
ELEVATION	1343.000	1343.000	1342.000	1561.000	1558.945	1558.328	1688.000	1555.000	1553.000	1342.000
VEL-N	.000	.000	.000	.000	.000	-1.224	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	1.224	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	5.714	2.632	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.250	.493	1.266	.295	.000	.000	.000
ELEVATION	1342.000	1537.000	1541.000	1540.250	1541.493	1542.266	1541.295	1542.000	1342.000	1341.000
VEL-N	.000	.000	.000	-.677	-.848	1.129	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-2.632	-5.714	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.677	.848	-1.129	.000	.000	.000
VEL-W	.000	.000	.000	.000	3.096	4.117	3.209	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.396	.688	.467	.421	.000	.000	.000
ELEVATION	1341.000	1340.000	1530.000	1529.396	1529.688	1527.467	1523.421	1524.000	1523.000	1518.000
VEL-N	.000	.000	.000	.000	.616	-1.624	-1.850	.000	.000	.000
VEL-E	.000	.000	.000	-3.209	-4.117	-3.096	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.616	1.624	1.850	.000	.000	.000	.000
VEL-W	.000	.000	.000	3.447	4.170	3.648	2.756	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40

DEPTH	.012	.243	.252	.484	.612	.902	.521	.000	.000	.000
ELEVATION	1503.012	1505.243	1506.252	1510.484	1512.612	1513.902	1515.521	1518.000	1339.000	1337.000
VEL-N	.000	-.466	-1.425	-1.316	-1.271	-1.110	.000	.000	.000	.000
VEL-E	.000	.000	.000	-2.756	-3.648	-4.170	-3.447	.000	.000	.000
VEL-S	.000	.000	.466	1.425	1.316	1.271	1.110	.000	.000	.000
VEL-W	.000	.000	2.083	2.983	3.364	3.355	2.175	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.255	.296	.663	.617	.561	.334	.247	.080
ELEVATION	1342.000	1501.000	1500.255	1504.296	1502.663	1500.617	1497.561	1495.334	1494.247	1493.080
VEL-N	.000	.000	.000	.883	-.594	-1.252	-1.655	-1.371	-.869	-.526
VEL-E	.000	.000	.000	-2.175	-3.355	-3.364	-2.983	-2.083	.000	.000
VEL-S	.000	.000	-.883	.594	1.252	1.655	1.371	.869	.526	.000
VEL-W	.000	.000	.000	1.797	3.209	3.325	3.400	2.589	2.897	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.305	.325	.797	.584	.649	.376	.266	.253	.038
ELEVATION	1481.000	1480.306	1483.324	1483.797	1488.584	1489.649	1489.376	1486.266	1484.253	1480.038
VEL-N	.000	-1.246	-.631	-2.058	-1.006	.395	.871	.607	.000	.000
VEL-E	.000	-2.897	-2.589	-3.400	-3.325	-3.209	-1.797	.000	.000	.000
VEL-S	.000	.000	1.246	.631	2.058	1.006	-.395	-.871	-.607	.000
VEL-W	.000	2.362	2.664	3.616	2.813	2.584	1.628	1.526	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.051	.247	.288	.260	.410	.487	1.052	.411
ELEVATION	1337.000	1457.000	1469.051	1472.247	1474.288	1478.260	1478.410	1475.487	1471.052	1470.411
VEL-N	.000	.000	.000	.000	.617	.851	.196	-.988	-1.366	-.877
VEL-E	.000	.000	.000	.000	-1.526	-1.628	-2.584	-2.813	-3.616	-2.664
VEL-S	.000	.000	.000	-.617	-.851	-.196	.988	1.366	.877	1.194
VEL-W	.000	.000	.000	.000	1.766	1.628	2.310	2.780	3.325	2.643

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.521	.246	.134	.000	.000	.000	.000	.238	.265	.344
ELEVATION	1468.521	1467.246	1466.134	1460.000	1337.000	1449.000	1455.000	1453.238	1456.265	1458.344
VEL-N	-1.194	-.941	-.663	.000	.000	.000	.000	.000	-.752	.375
VEL-E	-2.362	.000	.000	.000	.000	.000	.000	.000	-2.053	-2.149
VEL-S	.941	.663	.000	.000	.000	.000	.000	.000	.000	.752
VEL-W	2.149	2.053	.000	.000	.000	.000	.000	.000	.000	1.773

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.806	.789	.463	.420	.262	.319	.252	.082	.000	.000
ELEVATION	1457.806	1459.789	1460.463	1462.420	1463.262	1459.319	1456.252	1454.082	1450.000	1336.000
VEL-N	-1.258	-.578	-.926	.000	.000	.805	.474	.000	.000	.000
VEL-E	-2.643	-3.325	-2.780	-2.310	-1.628	-1.766	.000	.000	.000	.000
VEL-S	-.375	1.258	.578	.926	.000	.000	-.805	-.474	.000	.000
VEL-W	3.094	3.089	3.246	1.843	.000	1.571	1.725	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.000	.218	.333	.264	.242	.299	.533	.846	.696
ELEVATION	1344.000	1438.000	1441.218	1443.333	1447.264	1450.242	1450.299	1448.533	1447.846	1447.696
VEL-N	.000	.000	.000	.971	.000	.725	.087	-.797	-.733	-.385
VEL-E	.000	.000	.000	-1.725	-1.571	.000	-1.843	-3.246	-3.089	-3.094
VEL-S	.000	.000	-.971	.000	-.725	-.087	.797	.733	.385	.896
VEL-W	.000	.000	.000	1.744	.000	1.790	1.560	2.649	3.103	3.191

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.394	.320	.154	.000	.000	.000	.007	.247	.340	.571
ELEVATION	1446.394	1443.320	1442.154	1440.000	1438.000	1427.000	1428.007	1430.247	1432.340	1433.571
VEL-N	-.896	-.931	-.565	.000	.000	.000	-.603	-1.012	-.773	-1.197
VEL-E	-1.773	.000	.000	.000	.000	.000	.000	.000	-1.868	-2.012

VEL-S	.931	.565	.000	.000	.000	.000	.000	.603	1.012	.773
VEL-W	2.012	1.868	.000	.000	.000	.000	.000	1.993	2.163	2.256

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.780	.861	.576	.256	.262	.344	.274	.035	.000	.000
ELEVATION	1435.780	1436.861	1439.576	1440.256	1439.262	1434.344	1435.274	1431.035	1429.000	1344.000
VEL-N	-.953	-1.195	.000	.000	.000	-.544	.793	.000	.000	.000
VEL-E	-3.191	-3.103	-2.649	-1.560	-1.790	.000	-1.744	.000	.000	.000
VEL-S	1.197	.953	1.195	.000	.000	.000	.544	-.793	.000	.000
VEL-W	2.920	3.104	1.980	.000	.000	1.877	1.612	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	.000	.143	.359	.351	.317	.267	.827	.936
ELEVATION	1349.000	1419.000	1420.000	1423.143	1424.359	1423.351	1424.318	1428.267	1425.827	1424.936
VEL-N	.000	.000	.000	.000	.514	-.598	.735	1.107	-.677	-.870
VEL-E	.000	.000	.000	-1.612	-1.877	.000	.000	-1.980	-3.104	-2.920
VEL-S	.000	.000	.000	-.514	.598	-.735	-1.107	.677	.870	1.017
VEL-W	.000	.000	.000	.000	1.658	1.778	1.447	1.426	2.600	2.549

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.745	.502	.286	.006	.000	.000	.022	.413	.736	.482
ELEVATION	1423.745	1421.502	1420.286	1420.006	1418.000	1408.000	1410.022	1410.413	1411.736	1416.482
VEL-N	-1.017	-1.288	-.795	-.188	.000	.000	-.230	-.936	-1.800	-1.012
VEL-E	-2.256	-2.163	-1.993	.000	.000	.000	.000	-1.560	-2.661	-2.291
VEL-S	1.288	.795	.188	.000	.000	.000	.000	.230	.936	1.800
VEL-W	2.291	2.661	1.560	.000	.000	.000	.000	1.585	2.618	2.578

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.807	.873	.456	.262	.404	.316	.002	.000	.000	.000
ELEVATION	1417.807	1417.873	1417.456	1418.262	1416.404	1413.316	1413.002	1411.000	1348.000	1347.000
VEL-N	-.238	.515	.000	.000	1.033	.178	.000	.000	.000	.000
VEL-E	-2.549	-2.600	-1.426	-1.447	-1.778	-1.658	.000	.000	.000	.000
VEL-S	1.012	.238	-.515	.000	.000	-1.033	-.178	.000	.000	.000
VEL-W	2.651	2.476	1.867	.000	1.601	1.068	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.013	.159	.408	.387	.486	.608
ELEVATION	1346.000	1353.000	1401.000	1401.000	1403.013	1406.159	1405.408	1407.387	1408.486	1407.608
VEL-N	.000	.000	.000	.000	.000	.000	.000	.779	.631	-.606
VEL-E	.000	.000	.000	.000	-1.068	-1.601	.000	-1.867	-2.476	-2.651
VEL-S	.000	.000	.000	.000	.000	.000	-.779	-.631	.606	1.464
VEL-W	.000	.000	.000	.000	.000	.000	1.959	2.055	2.328	2.324

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.784	.644	.389	.000	.000	.000	.000	.656	.976	.580
ELEVATION	1403.784	1403.644	1402.389	1403.000	1399.000	1390.000	1393.000	1390.656	1391.976	1394.580
VEL-N	-1.464	-.308	-.753	.000	.000	.000	.000	-1.055	-1.317	-.997
VEL-E	-2.578	-2.618	-1.585	.000	.000	.000	.000	-1.878	-2.665	-2.760
VEL-S	.308	.753	.000	.000	.000	.000	.000	.000	1.055	1.317
VEL-W	2.760	2.665	1.878	.000	.000	.000	.000	1.851	2.451	2.796

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.483	.509	.697	.344	.023	.000	.000	.000	.000	.000
ELEVATION	1396.483	1395.509	1393.697	1395.344	1394.023	1394.000	1392.000	1388.000	1353.000	1362.000
VEL-N	.634	.897	-.733	.492	.000	.000	.000	.000	.000	.000
VEL-E	-2.324	-2.328	-2.055	-1.959	.000	.000	.000	.000	.000	.000
VEL-S	.997	-.634	-.897	.733	-.492	.000	.000	.000	.000	.000
VEL-W	1.334	1.992	2.273	1.272	.000	.000	.000	.000	.000	.000

NODE	181	182	183	184	185	186	187	188	189	190

DEPTH	.000	.000	.000	.000	.000	.000	.093	1.057	.565	.264
ELEVATION	1361.000	1371.000	1380.000	1383.000	1385.000	1387.000	1386.093	1386.057	1386.565	1390.264
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.517	.000
VEL-E	.000	.000	.000	.000	.000	.000	-1.272	-2.273	-1.992	-1.334
VEL-S	.000	.000	.000	.000	.000	.000	.000	-.517	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	2.614	2.048	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.877	.606	.281	.000	.000	.000	.000	.031	.587	.997
ELEVATION	1382.877	1384.606	1383.281	1388.000	1379.000	1370.000	1372.000	1373.031	1374.588	1374.997
VEL-N	.000	1.001	-.791	.000	.000	.000	.000	-.716	-.778	.000
VEL-E	-2.796	-2.451	-1.851	.000	.000	.000	.000	-1.130	-2.606	-3.053
VEL-S	-1.001	.791	.000	.000	.000	.000	.000	.000	.716	.778
VEL-W	3.053	2.606	1.130	.000	.000	.000	.000	.000	1.816	3.235

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.132	.621	.735	.046	.000	.000	.000	.000	.000	.000
ELEVATION	1379.132	1378.621	1378.735	1377.046	1381.000	1377.000	1375.000	1393.000	1400.000	1374.000
VEL-N	.000	-.248	.694	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	-2.048	-2.614	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.248	-.694	.000	.000	.000	.000	.000	.000
VEL-W	.000	1.858	1.956	.000	.000	.000	.000	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.000	.139	.183	.000	.709	.115
ELEVATION	1365.000	1367.000	1369.000	1366.000	1368.000	1367.139	1367.183	1368.000	1367.709	1366.115
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.874
VEL-E	.000	.000	.000	.000	.000	-1.956	-1.858	.000	-3.235	-1.816
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.874	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	2.031	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.105	.000	.000	.000	.000
ELEVATION	1364.000	1361.000	1354.000	1355.000	1358.000	1359.105	1359.000	1361.000	1361.000	1363.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-2.031	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
90	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 90 IS EQUAL TO .00

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 2.25 (SECONDS) = .812E+04 (TOTAL TIMESTEP NUMBER) = 3.0E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 3211.78

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.000	.677	.246	.000	.000	.000	.000
ELEVATION	1343.000	1343.000	1342.000	1561.000	1558.677	1558.245	1688.000	1555.000	1553.000	1342.000
VEL-N	.000	.000	.000	.000	.000	-.833	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.833	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	4.602	2.191	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.239	.348	.962	.256	.000	.098	.008
ELEVATION	1342.000	1537.000	1541.000	1540.239	1541.348	1541.962	1541.256	1542.000	1342.098	1341.008
VEL-N	.000	.000	.000	-.552	-.626	.821	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-2.191	-4.602	.000	.000	-1.770	-.836
VEL-S	.000	.000	.000	.000	.552	.626	-.821	.000	.000	.000
VEL-W	.000	.000	.000	2.191	2.495	3.457	2.978	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.292	.547	.357	.352	.000	.000	.000
ELEVATION	1341.000	1340.000	1530.000	1529.292	1529.547	1527.357	1523.352	1524.000	1523.000	1518.000
VEL-N	.000	.000	.000	.000	.494	-1.375	-1.565	.000	.000	.000
VEL-E	.000	.000	.000	-2.978	-3.457	-2.495	-2.191	.000	.000	.000
VEL-S	.000	.000	.000	-.494	1.375	1.565	.000	.000	.000	.000
VEL-W	.000	.000	.000	2.762	3.593	3.062	2.367	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.021	.244	.245	.393	.493	.740	.404	.000	.000	.000
ELEVATION	1503.021	1505.244	1506.245	1510.393	1512.493	1513.740	1515.404	1518.000	1339.000	1337.000
VEL-N	.000	-.464	-1.291	-1.138	-1.094	-.957	.000	.000	.000	.000
VEL-E	.000	.000	.000	-2.367	-3.062	-3.593	-2.762	.000	.000	.000
VEL-S	.000	.000	.464	1.291	1.138	1.094	.957	.000	.000	.000
VEL-W	.000	.000	2.068	2.608	2.920	2.955	1.880	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.248	.249	.554	.505	.465	.289	.252	.110
ELEVATION	1342.000	1501.000	1500.249	1504.249	1502.554	1500.505	1497.465	1495.289	1494.252	1493.110
VEL-N	.000	.000	.000	.834	-.543	-1.106	-1.453	-1.207	-.792	.000
VEL-E	.000	.000	.000	-1.880	-2.955	-2.920	-2.608	-2.068	.000	.000
VEL-S	.000	.000	-.834	.543	1.106	1.453	1.207	.792	.000	.000
VEL-W	.000	.000	1.564	1.614	2.868	2.945	3.006	2.323	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.261	.273	.678	.494	.559	.296	.256	.247	.070
ELEVATION	1481.000	1480.261	1483.273	1483.678	1488.494	1489.559	1489.296	1486.256	1484.247	1480.070
VEL-N	.000	-1.140	-.524	-1.849	-.908	.345	.770	.584	.000	.000
VEL-E	.000	.000	-2.323	-3.006	-2.945	-2.868	-1.614	-1.564	.000	.000
VEL-S	.000	.000	1.140	.524	1.849	.908	-.345	-.770	-.584	.000
VEL-W	.000	2.246	2.378	3.253	2.529	2.353	1.457	1.446	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.091	.243	.256	.260	.362	.419	.911	.346
ELEVATION	1337.000	1457.000	1469.091	1472.243	1474.256	1478.260	1478.362	1475.419	1470.911	1470.346
VEL-N	.000	.000	.000	.000	.590	.000	.162	-.912	-1.246	-.745
VEL-E	.000	.000	.000	.000	-1.446	-1.457	-2.353	-2.529	-3.253	-2.378
VEL-S	.000	.000	.000	-.590	.000	-.162	.912	1.246	.745	1.067
VEL-W	.000	.000	.000	.000	1.634	.000	2.127	2.533	3.029	2.363

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.453	.246	.199	.000	.000	.000	.000	.248	.255	.300
ELEVATION	1468.453	1467.246	1466.199	1460.000	1337.000	1449.000	1455.000	1453.248	1456.255	1458.300
VEL-N	-1.067	-.861	-.719	.000	.000	.000	.000	-1.070	-.716	.363

VEL-E	-2.246	.000	.000	.000	.000	.000	.000	.000	-2.094	-1.957
VEL-S	.861	.719	.000	.000	.000	.000	.000	.000	1.070	.716
VEL-W	1.957	2.094	.000	.000	.000	.000	.000	.000	1.697	1.623

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.699	.692	.407	.377	.238	.254	.258	.145	.000	.000
ELEVATION	1457.699	1459.692	1460.407	1462.377	1463.238	1459.254	1456.258	1454.145	1450.000	1336.000
VEL-N	-1.157	-.546	-.860	-.398	.840	.718	.529	.000	.000	.000
VEL-E	-2.363	-3.029	-2.533	-2.127	.000	-1.634	.000	.000	.000	.000
VEL-S	-.363	1.157	.546	.860	.398	-.840	-.718	-.529	.000	.000
VEL-W	2.824	2.833	2.980	1.700	1.502	1.440	1.684	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.043	.235	.252	.249	.257	.262	.472	.753	.611
ELEVATION	1344.000	1438.043	1441.235	1443.252	1447.249	1450.257	1450.262	1448.472	1447.753	1447.611
VEL-N	.000	.000	.779	.000	.923	.000	.057	-.738	-.691	-.344
VEL-E	.000	.000	.000	-1.684	-1.440	-1.502	-1.700	-2.980	-2.833	-2.824
VEL-S	.000	-.779	.000	-.923	.000	-.057	.738	.691	.344	.813
VEL-W	.000	.000	1.935	.000	1.714	.000	1.522	2.442	2.872	2.928

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.356	.267	.237	.027	.000	.000	.070	.264	.279	.524
ELEVATION	1446.356	1443.267	1442.237	1440.027	1438.000	1427.000	1428.070	1430.264	1432.279	1433.524
VEL-N	-.813	-.841	-.548	-.756	.000	.000	-.685	-.926	-.716	-1.106
VEL-E	-1.623	-1.697	.000	.000	.000	.000	.000	-2.620	-1.598	-1.882
VEL-S	.841	.548	.756	.000	.000	.000	.000	.685	.926	.716
VEL-W	1.882	1.598	2.620	.000	.000	.000	.000	1.979	1.899	2.134

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.691	.769	.512	.245	.244	.299	.234	.257	.000	.000
ELEVATION	1435.691	1436.769	1439.512	1440.245	1439.244	1434.299	1435.234	1431.257	1429.000	1344.000
VEL-N	-.881	-1.106	-.415	.628	.000	-.538	1.062	.000	.000	.000
VEL-E	-2.928	-2.872	-2.442	-1.522	.000	-1.714	.000	-1.935	.000	.000
VEL-S	1.106	.881	1.106	.415	-.628	.000	.538	-1.062	.000	.000
VEL-W	2.696	2.895	1.844	2.556	.000	1.557	1.847	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	.061	.254	.260	.294	.290	.249	.752	.848
ELEVATION	1349.000	1419.000	1420.061	1423.254	1424.260	1423.294	1424.290	1428.250	1425.752	1424.848
VEL-N	.000	.000	.000	.000	.000	.000	.659	1.066	-.658	-.823
VEL-E	.000	.000	.000	-1.847	-1.557	.000	-2.556	-1.844	-2.895	-2.696
VEL-S	.000	.000	.000	.000	.000	-.659	-1.066	.658	.823	.946
VEL-W	.000	.000	.000	.000	.000	1.561	1.359	1.369	2.441	2.378

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.699	.420	.359	.041	.000	.000	.091	.529	.620	.441
ELEVATION	1423.699	1421.420	1420.359	1420.041	1418.000	1408.000	1410.091	1410.529	1411.620	1416.441
VEL-N	-.946	-1.206	-.739	-.257	.000	.000	-.316	-.850	-1.710	-.928
VEL-E	-2.134	-1.899	-1.979	.000	.000	.000	.000	-1.852	-2.364	-2.179
VEL-S	1.206	.739	.257	.000	.000	.000	.000	.316	.850	1.710
VEL-W	2.179	2.364	1.852	.000	.000	.000	.000	1.925	2.336	2.430

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.722	.797	.431	.243	.279	.354	.224	.000	.000	.000
ELEVATION	1417.722	1417.797	1417.431	1418.243	1416.279	1413.354	1413.224	1411.000	1348.000	1347.000
VEL-N	-.238	.458	-.377	.657	.856	.201	.000	.000	.000	.000
VEL-E	-2.378	-2.441	-1.369	-1.359	-1.561	.000	.000	.000	.000	.000
VEL-S	.928	.238	-.458	.377	-.657	-.856	-.201	.000	.000	.000
VEL-W	2.484	2.336	1.788	1.492	1.523	1.906	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.060	.455	.257	.371	.362	.451	.564
ELEVATION	1346.000	1353.000	1401.000	1401.060	1403.455	1406.257	1405.371	1407.362	1408.451	1407.564
VEL-N	.000	.000	.000	.000	.837	.000	.000	.749	.599	-.580
VEL-E	.000	.000	.000	.000	-1.906	-1.523	-1.492	-1.788	-2.336	-2.484
VEL-S	.000	.000	.000	-.837	.000	.000	-.749	-.599	.580	1.397
VEL-W	.000	.000	.000	.000	1.792	.000	1.723	1.966	2.217	2.230

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.739	.545	.554	.000	.000	.000	.000	.834	.860	.552
ELEVATION	1403.739	1403.545	1402.554	1403.000	1399.000	1390.000	1393.000	1390.834	1391.860	1394.552
VEL-N	-1.397	-.342	-.699	.000	.000	.000	.000	-.950	-1.298	-.967
VEL-E	-2.430	-2.336	-1.925	.000	.000	.000	.000	-2.404	-2.392	-2.664
VEL-S	.342	.699	.000	.000	.000	.000	.000	.000	.950	1.298
VEL-W	2.664	2.392	2.404	.000	.000	.000	.000	2.613	2.120	2.717

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.459	.480	.634	.255	.281	.138	.000	.000	.000	.000
ELEVATION	1396.459	1395.480	1393.634	1395.255	1394.281	1394.138	1392.000	1388.000	1353.000	1362.000
VEL-N	.616	.870	-.607	.538	.185	.000	.000	.000	.000	.000
VEL-E	-2.230	-2.217	-1.966	-1.723	.000	-1.792	.000	.000	.000	.000
VEL-S	.967	-.616	-.870	.607	-.538	-.185	.000	.000	.000	.000
VEL-W	1.308	1.907	2.156	1.429	1.007	.000	.000	.000	.000	.000

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.000	.000	.000	.000	.000	.016	.262	.861	.470	.241
ELEVATION	1361.000	1371.000	1380.000	1383.000	1385.000	1387.016	1386.262	1385.861	1386.470	1390.241
VEL-N	.000	.000	.000	.000	.000	.000	.000	-.273	.492	.813
VEL-E	.000	.000	.000	.000	.000	-1.007	-1.429	-2.156	-1.907	-1.308
VEL-S	.000	.000	.000	.000	.000	.000	.273	-.492	-.813	1.143
VEL-W	.000	.000	.000	.000	.000	.000	1.273	2.257	1.776	1.531

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.773	.418	.688	.000	.000	.000	.183	.732	.441	.752
ELEVATION	1382.773	1384.418	1383.688	1388.000	1379.000	1370.000	1372.183	1373.732	1374.441	1374.752
VEL-N	-1.143	.752	-.563	.000	.000	.000	-.996	-.654	-.528	.000
VEL-E	-2.717	-2.120	-2.613	.000	.000	.000	.000	-3.305	-2.082	-2.776
VEL-S	-.752	.563	.000	.000	.000	.000	.000	.996	.654	.528
VEL-W	2.776	2.082	3.305	.000	.000	.000	.000	3.274	2.196	2.707

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.250	.509	.569	.456	.000	.000	.000	.000	.000	.000
ELEVATION	1379.250	1378.509	1378.568	1377.456	1381.000	1377.000	1375.000	1393.000	1400.000	1374.000
VEL-N	.000	-.169	.708	.000	.000	.000	.000	.000	.000	.000
VEL-E	-1.531	-1.776	-2.257	-1.273	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.169	-.708	.000	.000	.000	.000	.000	.000
VEL-W	.000	2.186	2.354	1.300	.000	.000	.000	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.084	.914	.901	.016	.548	.508
ELEVATION	1365.000	1367.000	1369.000	1366.000	1368.084	1367.914	1367.901	1368.016	1367.548	1366.508
VEL-N	.000	.000	.000	.000	.000	.000	-.125	.000	.000	-.900
VEL-E	.000	.000	.000	.000	-1.300	-2.354	-2.186	.000	-2.707	-2.196
VEL-S	.000	.000	.000	.000	.000	.125	.000	.000	.900	1.114
VEL-W	.000	.000	.000	.000	.000	2.098	2.032	.000	2.546	2.416

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.893	.124	.004	.423	.752	.592	.135	.463	.521	.000
ELEVATION	1364.893	1361.124	1354.004	1355.422	1358.752	1359.592	1359.135	1361.463	1361.521	1363.000
VEL-N	-1.114	-1.412	-.387	-1.474	-.883	.417	-.678	-.146	.000	.000

VEL-E	-3.274	.000	.000	-2.619	-2.416	-2.546	.000	-2.032	-2.098	.000
VEL-S	1.412	.000	.000	.387	1.474	.883	-.417	.678	.146	.000
VEL-W	2.619	.000	.000	1.078	2.521	2.336	.000	1.211	1.326	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.053
ELEVATION	1360.000	1368.000	1357.000	1358.000	1343.000	1343.000	1343.000	1349.000	1350.000	1352.053
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1.326
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	241	242	243	244	245	246
DEPTH	.040	.013	.448	.367	.015	.000
ELEVATION	1352.040	1352.013	1352.448	1348.367	1345.015	1345.000
VEL-N	.000	.000	.286	-1.252	-.566	.000
VEL-E	-1.211	.000	-2.336	-2.521	-1.078	.000
VEL-S	.000	-.286	1.252	.566	.000	.000
VEL-W	.000	.000	1.770	.836	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
90	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 90 IS EQUAL TO .00

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 2.50 (SECONDS) = .901E+04 (TOTAL TIMESTEP NUMBER) = 3.3E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 2700.00

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.250	.000	.584	.246	.000	.000	.000	.250
ELEVATION	1343.000	1343.000	1342.250	1561.000	1558.584	1558.246	1688.000	1555.000	1553.000	1342.250
VEL-N	.000	.000	.000	.000	.000	-.672	.000	.000	.000	.000
VEL-E	.000	.000	-1.984	.000	.000	.000	.000	.000	.000	-2.196
VEL-S	.000	.000	.000	.000	.672	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	4.141	2.218	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.008	.000	.000	.248	.261	.791	.241	.000	.250	.250
ELEVATION	1342.008	1537.000	1541.000	1540.248	1541.260	1541.791	1541.241	1542.000	1342.250	1341.250
VEL-N	.000	.000	.000	-.468	-.496	.638	.000	.000	.000	.000
VEL-E	-.995	.000	.000	.000	-2.218	-4.141	.000	.000	-1.803	-1.596
VEL-S	.000	.000	.000	.000	.468	.496	-.638	.000	.000	.000
VEL-W	.000	.000	.000	.000	2.019	2.979	2.857	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.250	.034	.000	.269	.434	.259	.248	.000	.000	.000
ELEVATION	1341.250	1340.034	1530.000	1529.269	1529.434	1527.259	1523.249	1524.000	1523.000	1518.000

VEL-N	.000	.000	.000	.000	.363	-1.143	-1.267	.000	.000	.000
VEL-E	-2.010	-1.134	.000	-2.857	-2.979	-2.019	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.363	1.143	1.267	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	3.072	2.470	1.936	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.029	.240	.252	.264	.335	.554	.251	.000	.000	.000
ELEVATION	1503.029	1505.240	1506.252	1510.264	1512.335	1513.554	1515.251	1518.000	1339.000	1337.000
VEL-N	.000	.000	-1.082	-.866	-.864	-.732	.000	.000	.000	.000
VEL-E	.000	.000	.000	-1.936	-2.470	-3.072	.000	.000	.000	.000
VEL-S	.000	.000	.000	1.082	.866	.864	.732	.000	.000	.000
VEL-W	.000	.000	.000	1.994	2.240	2.437	1.588	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.252	.242	.425	.356	.333	.248	.244	.138
ELEVATION	1342.000	1501.000	1500.252	1504.242	1502.425	1500.356	1497.333	1495.248	1494.244	1493.138
VEL-N	.000	.000	.000	.826	-.562	-.905	-1.157	-1.012	-.753	.000
VEL-E	.000	.000	.000	-1.588	-2.437	-2.240	-1.994	.000	.000	.000
VEL-S	.000	.000	-.826	.562	.905	1.157	1.012	.753	.000	.000
VEL-W	.000	.000	.000	1.610	2.395	2.351	2.425	2.216	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.261	.258	.520	.366	.439	.258	.254	.244	.091
ELEVATION	1481.000	1480.261	1483.258	1483.520	1488.366	1489.439	1489.257	1486.254	1484.244	1480.091
VEL-N	.000	-1.112	-.370	-1.523	-.762	.250	.726	.000	.000	.000
VEL-E	.000	.000	-2.216	-2.425	-2.351	-2.395	-1.610	.000	.000	.000
VEL-S	.000	.000	1.112	.370	1.523	.762	-.250	-.726	.000	.000
VEL-W	.000	2.263	2.312	2.738	2.112	2.023	1.368	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.117	.247	.247	.248	.297	.330	.730	.266
ELEVATION	1337.000	1457.000	1469.117	1472.247	1474.247	1478.248	1478.297	1475.330	1470.730	1470.266
VEL-N	.000	.000	.000	.000	.000	.000	.107	-.804	-1.075	-.582
VEL-E	.000	.000	.000	.000	.000	-1.368	-2.023	-2.112	-2.738	-2.312
VEL-S	.000	.000	.000	.000	.000	-.107	.804	1.075	.582	.888
VEL-W	.000	.000	.000	.000	.000	.000	1.866	2.184	2.641	1.954

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.340	.253	.233	.004	.000	.000	.000	.250	.241	.249
ELEVATION	1468.340	1467.253	1466.233	1460.004	1337.000	1449.000	1455.000	1453.250	1456.241	1458.250
VEL-N	-.888	-.718	.000	.000	.000	.000	.000	.000	-.653	.345
VEL-E	-2.263	.000	.000	.000	.000	.000	.000	.000	.000	-1.650
VEL-S	.718	.000	.000	.000	.000	.000	.000	.000	.000	.653
VEL-W	1.650	.000	.000	.000	.000	.000	.000	.000	.000	1.445

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.566	.578	.335	.306	.245	.246	.242	.189	.000	.000
ELEVATION	1457.566	1459.578	1460.335	1462.306	1463.245	1459.246	1456.242	1454.189	1450.000	1336.000
VEL-N	-1.025	-.496	-.754	.000	.000	.719	.000	.000	.000	.000
VEL-E	-1.954	-2.641	-2.184	-1.866	.000	.000	.000	.000	.000	.000
VEL-S	-.345	1.025	.496	.754	.000	.000	-.719	.000	.000	.000
VEL-W	2.484	2.514	2.625	1.571	.000	1.438	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.061	.236	.243	.250	.235	.258	.397	.644	.516
ELEVATION	1344.000	1438.061	1441.236	1443.243	1447.250	1450.235	1450.258	1448.397	1447.644	1447.516
VEL-N	.000	.000	.000	.000	.000	.000	.068	-.749	-.628	-.295
VEL-E	.000	.000	.000	.000	-1.438	.000	-1.571	-2.625	-2.514	-2.484
VEL-S	.000	.000	.000	.000	.000	-.068	.749	.628	.295	.713
VEL-W	.000	.000	.000	.000	.000	.000	1.455	2.174	2.592	2.620

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.291	.248	.239	.066	.000	.000	.159	.249	.253	.452
ELEVATION	1446.291	1443.248	1442.239	1440.066	1438.000	1427.000	1428.159	1430.249	1432.253	1433.452
VEL-N	-.713	-.769	-.533	.000	.000	.000	-.799	-.888	-.645	-.995
VEL-E	-1.445	.000	.000	.000	.000	.000	.000	.000	-1.571	-1.648
VEL-S	.769	.533	.000	.000	.000	.000	.000	.799	.888	.645
VEL-W	1.648	1.571	.000	.000	.000	.000	.000	2.024	1.780	1.936

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.593	.659	.428	.238	.236	.246	.238	.249	.030	.000
ELEVATION	1435.593	1436.659	1439.428	1440.238	1439.236	1434.246	1435.238	1431.249	1429.030	1344.000
VEL-N	-.792	-.993	.000	.000	.000	.000	.000	.646	.000	.000
VEL-E	-2.620	-2.592	-2.174	-1.455	.000	.000	.000	.000	.000	.000
VEL-S	.995	.792	.993	.000	.000	.000	.000	.000	-.646	.000
VEL-W	2.438	2.632	1.705	.000	.000	1.465	.000	1.657	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	.200	.239	.248	.270	.264	.245	.660	.738
ELEVATION	1349.000	1419.000	1420.200	1423.239	1424.248	1423.270	1424.264	1428.245	1425.660	1424.738
VEL-N	.000	.000	.000	.000	.000	.000	.656	1.065	-.668	-.761
VEL-E	.000	.000	-1.657	.000	-1.465	.000	.000	-1.705	-2.632	-2.438
VEL-S	.000	.000	.000	.000	.000	-.656	-1.065	.668	.761	.856
VEL-W	.000	.000	.000	.000	.000	1.464	1.345	1.369	2.237	2.174

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.624	.354	.329	.086	.000	.000	.182	.497	.533	.395
ELEVATION	1423.624	1421.354	1420.329	1420.086	1418.000	1408.000	1410.182	1410.497	1411.533	1416.395
VEL-N	-.856	-1.101	-.662	-.228	.000	.000	-.286	-.771	-1.597	-.845
VEL-E	-1.936	-1.780	-2.024	.000	.000	.000	.000	-1.738	-2.101	-2.020
VEL-S	1.101	.662	.228	.000	.000	.000	.000	.286	.771	1.597
VEL-W	2.020	2.101	1.738	.000	.000	.000	.000	1.851	2.116	2.261

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.637	.710	.380	.260	.247	.246	.240	.019	.000	.000
ELEVATION	1417.637	1417.710	1417.380	1418.260	1416.247	1413.246	1413.240	1411.019	1348.000	1347.000
VEL-N	-.218	.403	.000	.000	.811	.000	.532	.000	.000	.000
VEL-E	-2.174	-2.237	-1.369	-1.345	-1.464	.000	.000	.000	.000	.000
VEL-S	.845	.218	-.403	.000	.000	-.811	.000	-.532	.000	.000
VEL-W	2.292	2.164	1.655	.000	1.452	1.478	1.874	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.057	.008	.277	.250	.246	.330	.326	.405	.504
ELEVATION	1346.000	1353.057	1401.008	1401.277	1403.250	1406.246	1405.330	1407.326	1408.405	1407.504
VEL-N	.000	-.636	.000	.180	.765	.000	.000	.699	.556	-.544
VEL-E	.000	.000	.000	-1.874	-1.478	-1.452	.000	-1.655	-2.164	-2.292
VEL-S	.000	.000	-.180	-.765	.000	.000	-.699	-.556	.544	1.297
VEL-W	.000	.000	.000	1.227	1.622	.000	1.664	1.838	2.065	2.065

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.667	.473	.538	.000	.000	.000	.000	.841	.762	.498
ELEVATION	1403.667	1403.473	1402.538	1403.000	1399.000	1390.000	1393.000	1390.841	1391.762	1394.498
VEL-N	-1.297	-.317	-.615	.000	.000	.000	.000	-.838	-1.223	-.895
VEL-E	-2.261	-2.116	-1.851	.000	.000	.000	.000	-2.367	-2.176	-2.487
VEL-S	.317	.615	.000	.000	.000	.000	.000	.000	.838	1.223
VEL-W	2.487	2.176	2.367	.000	.000	.000	.000	2.630	1.946	2.543

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.408	.434	.570	.253	.296	.307	.153	.000	.000	.000
ELEVATION	1396.408	1395.434	1393.570	1395.253	1394.296	1394.307	1392.153	1388.000	1353.000	1362.000

VEL-N	.568	.819	-.618	.531	.000	.643	.000	.000	.000	.000
VEL-E	-2.065	-2.065	-1.838	-1.664	.000	-1.622	-1.227	.000	.000	.000
VEL-S	.895	-.568	-.819	.618	-.531	.000	-.643	.000	.000	.000
VEL-W	1.233	1.792	1.998	1.422	1.537	1.684	.000	.000	.000	.000

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.066	.000	.000	.000	.243	.262	.258	.837	.426	.258
ELEVATION	1361.066	1371.000	1380.000	1383.000	1385.243	1387.262	1386.258	1385.837	1386.426	1390.258
VEL-N	-.386	.000	.000	.000	.000	.746	-.478	-.271	.457	.000
VEL-E	.000	.000	.000	.000	-1.684	-1.537	-1.422	-1.998	-1.792	-1.233
VEL-S	.000	.000	.000	.000	-.746	.478	.271	-.457	.000	.000
VEL-W	.000	.000	.000	.000	.000	.865	1.246	2.169	1.681	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.675	.369	.685	.000	.000	.048	.251	.690	.391	.701
ELEVATION	1382.675	1384.369	1383.685	1388.000	1379.000	1370.048	1372.251	1373.690	1374.391	1374.701
VEL-N	.000	.699	-.500	.000	.000	-.489	-.972	-.605	-.494	-1.170
VEL-E	-2.543	-1.946	-2.630	.000	.000	.000	.000	-3.305	-1.912	-2.569
VEL-S	-.699	.500	.000	.000	.000	.000	.489	.972	.605	.494
VEL-W	2.569	1.912	3.305	.000	.000	.000	1.525	3.042	2.034	2.634

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.243	.440	.505	.421	.003	.000	.000	.000	.000	.000
ELEVATION	1379.243	1378.440	1378.505	1377.421	1381.003	1377.000	1375.000	1393.000	1400.000	1374.000
VEL-N	.434	-.164	.652	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	-1.681	-2.169	-1.246	-.865	.000	.000	.000	.000	.000
VEL-S	1.170	-.434	.164	-.652	.000	.000	.000	.000	.000	.000
VEL-W	1.156	1.984	2.184	1.755	.000	.000	.000	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.052	.417	.656	.609	.064	.559	.412
ELEVATION	1365.000	1367.000	1369.000	1366.052	1368.417	1367.656	1367.609	1368.064	1367.559	1366.412
VEL-N	.000	.000	.000	.000	.605	-.504	-.166	.000	.000	-.891
VEL-E	.000	.000	.000	.000	-1.755	-2.184	-1.984	-1.156	-2.634	-2.034
VEL-S	.000	.000	.000	-.605	.504	.166	.000	.000	.891	.998
VEL-W	.000	.000	.000	.000	1.078	1.934	1.792	.000	2.493	2.107

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.615	.624	.632	.692	.414	.498	.462	.540	.646	.096
ELEVATION	1364.615	1361.624	1354.632	1355.692	1358.414	1359.498	1359.462	1361.540	1361.646	1363.096
VEL-N	-.998	-1.473	-.823	-1.077	-.826	.132	-.961	-.242	.000	.000
VEL-E	-3.042	-1.525	-2.023	-2.543	-2.107	-2.493	.000	-1.792	-1.934	-1.078
VEL-S	1.473	.386	.636	.823	1.077	.826	-.132	.961	.242	.000
VEL-W	2.543	2.023	2.427	2.521	2.049	1.949	1.430	2.102	2.367	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.150	.658
ELEVATION	1360.000	1368.000	1357.000	1358.000	1343.000	1343.000	1343.000	1349.000	1350.150	1352.658
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.148
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-2.367
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	-1.148	.111
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.984

NODE	241	242	243	244	245	246
DEPTH	.637	.285	.300	.592	1.327	.564
ELEVATION	1352.637	1352.285	1352.300	1348.592	1346.327	1345.564
VEL-N	-.111	-.371	.093	-1.017	-1.116	-1.006
VEL-E	-2.102	-1.430	-1.949	-2.049	-2.521	-2.427
VEL-S	.371	-.093	1.017	1.116	1.006	.000
VEL-W	2.196	.995	1.803	1.596	2.010	1.134

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
90	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 90 IS EQUAL TO .00

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.588	.000	.000	.000	.000	.000	.000	.550
ELEVATION	1334.000	1334.000	1333.588	.000	.000	.000	.000	.000	.000	1333.550

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	1.536	.000	.000	.000	.000	.000	.000	.000	2.373	4.182
ELEVATION	1334.536	.000	.000	.000	.000	.000	.000	.000	1335.373	1336.182

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	3.501	1.341	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1335.501	1332.341	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.047	.000
ELEVATION	.000	.000	.000	.000	.000	.000	.000	.000	1330.047	1328.000

MIN. TIMESTEP(SEC.) = 29.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 29.97

MODEL TIME(HOURS) = 2.75 (SECONDS) = .990E+04 (TOTAL TIMESTEP NUMBER) = 4.5E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 2700.00

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.234	.250	.000	.584	.248	.000	.000	.000	.250
ELEVATION	1343.000	1343.234	1342.250	1561.000	1558.584	1558.248	1688.000	1555.000	1553.000	1342.250
VEL-N	.000	.000	.000	.000	.000	-.673	.000	.000	.000	.000
VEL-E	.000	-1.757	-1.741	.000	.000	.000	.000	.000	.000	-1.956
VEL-S	.000	.000	.000	.000	.673	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	4.140	2.203	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.250	.000	.000	.248	.262	.794	.250	.000	.250	.250
ELEVATION	1342.250	1537.000	1541.000	1540.248	1541.262	1541.794	1541.250	1542.000	1342.250	1341.250
VEL-N	.000	.000	.000	.000	-.499	.643	.000	.000	.000	.000
VEL-E	-1.816	.000	.000	.000	-2.203	-4.140	.000	.000	-1.843	-1.494
VEL-S	.000	.000	.000	.000	.000	.499	-.643	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	2.977	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.250	.250	.000	.250	.430	.249	.250	.000	.000	.000
ELEVATION	1341.250	1340.250	1530.000	1529.250	1529.430	1527.249	1523.250	1524.000	1523.000	1518.000
VEL-N	.000	.000	.000	.000	.348	-1.133	-1.260	.000	.000	.000
VEL-E	-1.942	-2.282	.000	.000	-2.977	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.348	1.133	1.260	.000	.000	.000	.000

VEL-W	.000	.000	.000	2.552	3.049	2.448	1.933	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.033	.249	.245	.253	.319	.542	.256	.000	.000	.000
ELEVATION	1503.033	1505.249	1506.245	1510.253	1512.319	1513.542	1515.256	1518.000	1339.000	1337.000
VEL-N	.000	-.466	-1.072	-.837	-.848	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-1.933	-2.448	-3.049	-2.552	.000	.000	.000
VEL-S	.000	.000	.466	1.072	.837	.848	.000	.000	.000	.000
VEL-W	.000	.000	2.055	1.939	2.164	2.351	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.250	.239	.385	.325	.258	.258	.247	.154
ELEVATION	1342.000	1501.000	1500.250	1504.239	1502.385	1500.325	1497.258	1495.258	1494.247	1493.154
VEL-N	.000	.000	.000	.825	-.566	-.844	-1.032	-.886	.000	.000
VEL-E	.000	.000	.000	.000	-2.351	-2.164	-1.939	-2.055	.000	.000
VEL-S	.000	.000	-.825	.566	.844	1.032	.886	.000	.000	.000
VEL-W	.000	.000	.000	1.599	2.231	2.147	2.021	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.243	.249	.392	.301	.381	.254	.244	.249	.103
ELEVATION	1481.000	1480.243	1483.249	1483.392	1488.301	1489.381	1489.254	1486.244	1484.249	1480.103
VEL-N	.000	.000	-.239	-1.337	-.681	.198	.000	.585	.000	.000
VEL-E	.000	.000	.000	-2.021	-2.147	-2.231	-1.599	.000	.000	.000
VEL-S	.000	.000	.000	.239	1.337	.681	-.198	.000	-.585	.000
VEL-W	.000	.000	.000	2.259	1.826	1.819	.000	1.438	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.133	.244	.258	.244	.251	.263	.542	.249
ELEVATION	1337.000	1457.000	1469.133	1472.244	1474.258	1478.244	1478.251	1475.263	1470.542	1470.249
VEL-N	.000	.000	.000	.000	.000	.832	.000	-.720	-.932	-.394
VEL-E	.000	.000	.000	.000	-1.438	.000	-1.819	-1.826	-2.259	.000
VEL-S	.000	.000	.000	.000	-.832	.000	.720	.932	.394	.000
VEL-W	.000	.000	.000	.000	.000	1.595	1.665	1.860	2.181	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.246	.245	.242	.009	.000	.000	.000	.247	.248	.254
ELEVATION	1468.246	1467.245	1466.242	1460.009	1337.000	1449.000	1455.000	1453.247	1456.248	1458.254
VEL-N	.000	-.623	.000	.000	.000	.000	.000	-1.081	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1.480
VEL-S	.623	.000	.000	.000	.000	.000	.000	.000	1.081	.000
VEL-W	1.480	.000	.000	.000	.000	.000	.000	.000	1.690	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.405	.448	.259	.253	.248	.242	.249	.213	.000	.000
ELEVATION	1457.405	1459.448	1460.259	1462.253	1463.248	1459.242	1456.249	1454.213	1450.000	1336.000
VEL-N	-.850	-.430	-.666	.000	.000	.714	.000	.000	.000	.000
VEL-E	.000	-2.181	-1.860	-1.665	-1.595	.000	.000	.000	.000	.000
VEL-S	.000	.850	.430	.666	.000	.000	-.714	.000	.000	.000
VEL-W	2.027	2.117	2.202	1.446	.000	1.431	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.069	.244	.242	.253	.245	.249	.314	.515	.392
ELEVATION	1344.000	1438.069	1441.244	1443.242	1447.253	1450.245	1450.249	1448.314	1447.515	1447.392
VEL-N	.000	.000	.000	.000	.000	.000	.000	-.744	-.553	-.244
VEL-E	.000	.000	.000	.000	-1.431	.000	-1.446	-2.202	-2.117	-2.027
VEL-S	.000	.000	.000	.000	.000	.000	.744	.553	.244	.590
VEL-W	.000	.000	.000	.000	.000	.000	1.473	1.856	2.230	2.179

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.245	.255	.242	.095	.000	.000	.224	.255	.244	.340

ELEVATION	1446.245	1443.255	1442.242	1440.095	1438.000	1427.000	1428.224	1430.255	1432.245	1433.340
VEL-N	-.590	-.715	.000	.000	.000	.000	-.868	-.881	-.544	-.840
VEL-E	.000	-1.690	.000	.000	.000	.000	.000	.000	.000	-1.491
VEL-S	.715	.000	.000	.000	.000	.000	.000	.868	.881	.544
VEL-W	1.491	.000	.000	.000	.000	.000	.000	2.012	1.774	1.594

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.475	.534	.329	.254	.246	.245	.245	.249	.039	.000
ELEVATION	1435.475	1436.534	1439.329	1440.254	1439.246	1434.245	1435.245	1431.249	1429.039	1344.000
VEL-N	-.683	-.836	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-2.179	-2.230	-1.856	-1.473	.000	.000	.000	.000	.000	.000
VEL-S	.840	.683	.836	.000	.000	.000	.000	.000	.000	.000
VEL-W	2.100	2.285	1.527	.000	.000	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.002	.249	.248	.247	.246	.248	.246	.548	.610
ELEVATION	1349.000	1419.002	1420.249	1423.248	1424.247	1423.246	1424.248	1428.246	1425.548	1424.610
VEL-N	.000	.000	.000	.000	.000	.000	.000	1.059	-.683	-.677
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.527	-2.285	-2.100
VEL-S	.000	.000	.000	.000	.000	.000	-1.059	.683	.677	.745
VEL-W	.000	.000	.000	.000	.000	1.409	.000	1.374	1.972	1.923

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.502	.285	.260	.117	.000	.002	.249	.401	.446	.331
ELEVATION	1423.502	1421.285	1420.260	1420.117	1418.000	1408.002	1410.249	1410.401	1411.446	1416.331
VEL-N	-.745	-.940	-.567	-.163	.000	-.393	-.192	-.678	-1.424	-.743
VEL-E	-1.594	-1.774	-2.012	.000	.000	.000	.000	-1.485	-1.813	-1.759
VEL-S	.940	.567	.163	.000	.000	.000	.393	.192	.678	1.424
VEL-W	1.759	1.813	1.485	.000	.000	.000	.798	1.601	1.888	2.013

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.539	.608	.323	.243	.257	.247	.245	.030	.000	.000
ELEVATION	1417.539	1417.608	1417.323	1418.243	1416.257	1413.247	1413.245	1411.030	1348.000	1347.000
VEL-N	-.190	.337	-.403	.661	.000	.000	.000	.000	.000	.000
VEL-E	-1.923	-1.972	-1.374	.000	-1.409	.000	.000	.000	.000	.000
VEL-S	.743	.190	-.337	.403	-.661	.000	.000	.000	.000	.000
VEL-W	2.064	1.953	1.495	1.504	.000	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.120	.261	.017	.247	.244	.250	.273	.287	.353	.440
ELEVATION	1346.120	1353.261	1401.017	1401.247	1403.244	1406.250	1405.273	1407.286	1408.353	1407.440
VEL-N	-.248	-.659	.000	.000	.000	.000	.000	.633	.505	-.499
VEL-E	-1.027	.000	.000	.000	.000	.000	-1.504	-1.495	-1.953	-2.064
VEL-S	.000	.154	.000	.000	.000	.000	-.633	-.505	.499	1.188
VEL-W	.000	1.027	.000	.000	.000	.000	1.523	1.687	1.882	1.876

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.583	.405	.463	.005	.000	.000	.000	.742	.669	.438
ELEVATION	1403.583	1403.405	1402.464	1403.005	1399.000	1390.000	1393.000	1390.742	1391.669	1394.438
VEL-N	-1.188	-.276	-.556	.000	.000	.000	.000	-.771	-1.129	-.809
VEL-E	-2.013	-1.888	-1.601	-.798	.000	.000	.000	-2.147	-1.963	-2.274
VEL-S	.276	.556	.000	.000	.000	.000	.000	.000	.771	1.129
VEL-W	2.274	1.963	2.147	.000	.000	.000	.000	2.425	1.779	2.335

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.351	.379	.508	.250	.248	.248	.248	.023	.002	.000
ELEVATION	1396.351	1395.379	1393.508	1395.250	1394.248	1394.248	1392.249	1388.023	1353.002	1362.000
VEL-N	.513	.750	-.621	.534	.000	.000	.735	.000	-.154	.000
VEL-E	-1.876	-1.882	-1.687	-1.523	.000	.000	.000	.000	.000	.000
VEL-S	.809	-.513	-.750	.621	-.534	.000	.000	-.735	.000	.000

VEL-W	1.149	1.644	1.849	1.401	.000	.000	1.158	.000	.000	.000

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.180	.000	.000	.125	.252	.244	.255	.759	.382	.248
ELEVATION	1361.180	1371.000	1380.000	1383.125	1385.252	1387.244	1386.255	1385.759	1386.382	1390.248
VEL-N	-.336	.000	.000	.000	.641	.755	-.466	.000	.436	.000
VEL-E	.000	.000	.000	-1.158	.000	.000	-1.401	-1.849	-1.644	-1.149
VEL-S	.000	.000	.000	-.641	-.755	.466	.000	-.436	.000	.000
VEL-W	.000	.000	.000	.000	1.148	.986	.000	2.044	1.560	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.605	.325	.615	.000	.000	.122	.251	.644	.347	.642
ELEVATION	1382.605	1384.325	1383.615	1388.000	1379.000	1370.122	1372.250	1373.644	1374.347	1374.642
VEL-N	.000	.648	-.469	.000	.000	-.558	-.928	-.557	-.453	-1.156
VEL-E	-2.335	-1.779	-2.425	.000	.000	.000	.000	-3.069	-1.758	-2.379
VEL-S	-.648	.469	.000	.000	.000	.000	.558	.928	.557	.453
VEL-W	2.379	1.758	3.069	.000	.000	.000	1.530	2.898	1.876	2.430

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.245	.400	.473	.342	.073	.152	.000	.000	.000	.000
ELEVATION	1379.245	1378.400	1378.473	1377.342	1381.073	1377.152	1375.000	1393.000	1400.000	1374.000
VEL-N	.435	-.164	.612	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	-1.560	-2.044	.000	-.986	-1.148	.000	.000	.000	.000
VEL-S	1.156	-.435	.164	-.612	.000	.000	.000	.000	.000	.000
VEL-W	1.260	1.858	2.087	1.533	.000	.000	.000	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.199	.337	.658	.623	.114	.472	.362
ELEVATION	1365.000	1367.000	1369.000	1366.199	1368.337	1367.658	1367.623	1368.114	1367.472	1366.362
VEL-N	.000	.000	.000	.000	.635	-.419	-.147	.000	.000	-.790
VEL-E	.000	.000	.000	.000	-1.533	-2.087	-1.858	-1.260	-2.430	-1.876
VEL-S	.000	.000	.000	-.635	.419	.147	.000	.000	.790	.915
VEL-W	.000	.000	.000	.000	1.168	1.829	1.669	.000	2.289	1.931

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.567	.565	.562	.604	.371	.461	.348	.403	.531	.251
ELEVATION	1364.567	1361.565	1354.562	1355.604	1358.371	1359.461	1359.348	1361.403	1361.531	1363.251
VEL-N	-.915	-1.394	-.744	-1.010	-.783	.217	-.780	-.225	.000	.000
VEL-E	-2.898	-1.530	-1.886	-2.413	-1.931	-2.289	.000	-1.669	-1.829	-1.168
VEL-S	1.394	.336	.659	.744	1.010	.783	-.217	.780	.225	.000
VEL-W	2.413	1.886	2.319	2.282	1.906	1.918	1.363	1.702	2.021	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.015	.000	.000	.000	.000	.000	.000	.096	.452	.499
ELEVATION	1360.015	1368.000	1357.000	1358.000	1343.000	1343.000	1343.000	1349.096	1350.452	1352.499
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.771	1.175
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-2.021
VEL-S	.000	.000	.000	.000	.000	.000	.000	-.771	-1.175	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	1.757	1.741

NODE	241	242	243	244	245	246
DEPTH	.498	.423	.319	.522	1.263	1.176
ELEVATION	1352.499	1352.423	1352.319	1348.522	1346.263	1346.176
VEL-N	.000	-.171	-.198	-1.069	-1.019	-.396
VEL-E	-1.702	-1.363	-1.918	-1.906	-2.282	-2.319
VEL-S	.171	.198	1.069	1.019	.396	.248
VEL-W	1.956	1.816	1.843	1.494	1.942	2.282

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)

90 .00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 90 IS EQUAL TO .00

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	2.952	3.496	5.182	.000	.000	.000	.000	.000	.000	4.814
ELEVATION	1336.952	1337.496	1338.182	.000	.000	.000	.000	.000	.000	1337.814

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	5.665	.000	.000	.000	.000	.000	.000	.000	4.453	5.546
ELEVATION	1338.665	.000	.000	.000	.000	.000	.000	.000	1337.453	1337.546

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	4.819	4.016	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1336.819	1335.016	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	2.902	3.502
ELEVATION	.000	.000	.000	.000	.000	.000	.000	.000	1332.901	1331.502

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	2.354	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1330.354	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.317	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1328.317	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	.000	.000	.000	.000	1328.000	.000	.000	.000	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	.146	1.676	.000	.000
ELEVATION	.000	.000	.000	.000	1334.000	1334.000	1334.146	1335.676	.000	.000

MIN. TIMESTEP(SEC.) = 14.50 MAX. TIMESTEP(SEC.) = 29.50 MEAN TIMESTEP(SEC.) = 20.20

MODEL TIME(HOURS) = 3.00 (SECONDS) = .108E+05 (TOTAL TIMESTEP NUMBER) = 5.9E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 2195.36

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.250	.250	.000	.529	.252	.000	.000	.000	.250
ELEVATION	1343.000	1343.250	1342.250	1561.000	1558.529	1558.252	1688.000	1555.000	1553.000	1342.250
VEL-N	.000	.000	.000	.000	.000	-.591	.000	.000	.000	.000
VEL-E	.000	-1.587	-1.623	.000	.000	.000	.000	.000	.000	-1.831
VEL-S	.000	.000	.000	.000	.591	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	3.881	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20

DEPTH	.250	.000	.000	.245	.250	.741	.247	.000	.250	.250
ELEVATION	1342.250	1537.000	1541.000	1540.245	1541.250	1541.741	1541.247	1542.000	1342.250	1341.250
VEL-N	.000	.000	.000	.000	-.459	.590	.000	.000	.000	.000
VEL-E	-1.629	.000	.000	.000	.000	-3.881	.000	.000	-1.715	-1.393
VEL-S	.000	.000	.000	.000	.000	.459	-.590	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	2.861	2.867	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.250	.250	.000	.258	.413	.249	.255	.000	.000	.000
ELEVATION	1341.250	1340.250	1530.000	1529.257	1529.413	1527.249	1523.255	1524.000	1523.000	1518.000
VEL-N	.000	.000	.000	.000	.333	-1.109	-1.262	.000	.000	.000
VEL-E	-1.865	-2.241	.000	-2.867	-2.861	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.333	1.109	1.262	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	2.969	2.440	1.944	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.038	.250	.252	.252	.309	.532	.245	.000	.101	.000
ELEVATION	1503.037	1505.250	1506.252	1510.252	1512.309	1513.532	1515.245	1518.000	1339.101	1337.000
VEL-N	.000	.000	-1.067	-.823	-.832	-.701	.000	.000	.000	.000
VEL-E	.000	.000	.000	-1.944	-2.440	-2.969	.000	.000	-1.194	.000
VEL-S	.000	.000	.000	1.067	.823	.832	.701	.000	.000	.000
VEL-W	.000	.000	.000	1.930	2.118	2.332	1.545	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.249	.252	.385	.324	.259	.251	.250	.171
ELEVATION	1342.000	1501.000	1500.249	1504.252	1502.385	1500.324	1497.259	1495.251	1494.250	1493.171
VEL-N	.000	.000	.000	.000	.000	-.845	-1.033	-.890	.000	.000
VEL-E	.000	.000	.000	-1.545	-2.332	-2.118	-1.930	.000	.000	.000
VEL-S	.000	.000	.000	.000	.845	1.033	.890	.000	.000	.000
VEL-W	.000	.000	.000	.000	2.214	2.141	2.032	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.250	.246	.371	.300	.370	.248	.249	.250	.115
ELEVATION	1481.000	1480.250	1483.246	1483.371	1488.300	1489.370	1489.248	1486.249	1484.250	1480.115
VEL-N	.000	.000	-.216	-1.335	-.670	.184	.718	.000	.000	.000
VEL-E	.000	.000	.000	-2.032	-2.141	-2.214	.000	.000	.000	.000
VEL-S	.000	.000	.000	.216	1.335	.670	-.184	-.718	.000	.000
VEL-W	.000	.000	.000	2.172	1.811	1.805	1.375	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.149	.244	.244	.251	.256	.258	.504	.245
ELEVATION	1337.000	1457.000	1469.149	1472.244	1474.244	1478.251	1478.255	1475.258	1470.504	1470.245
VEL-N	.000	.000	.000	.626	.000	.000	.000	-.729	-.922	-.352
VEL-E	.000	.000	.000	.000	.000	-1.375	-1.805	-1.811	-2.172	.000
VEL-S	.000	.000	-.626	.000	.000	.000	.729	.922	.352	.882
VEL-W	.000	.000	.000	1.652	.000	.000	1.677	1.809	2.033	1.924

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.247	.248	.245	.012	.000	.000	.000	.250	.245	.253
ELEVATION	1468.247	1467.248	1466.245	1460.012	1337.000	1449.000	1455.000	1453.250	1456.245	1458.253
VEL-N	-.882	-.620	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1.471
VEL-S	.620	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	1.471	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.355	.387	.251	.252	.243	.250	.255	.235	.000	.000
ELEVATION	1457.355	1459.387	1460.251	1462.252	1463.243	1459.250	1456.255	1454.235	1450.000	1336.000
VEL-N	-.769	.000	-.657	.000	.000	.723	.000	.000	.000	.000
VEL-E	-1.924	-2.033	-1.809	-1.677	.000	.000	-1.652	.000	.000	.000

VEL-S	.000	.769	.000	.657	.000	.000	-.723	.000	.000	.000
VEL-W	1.781	1.923	.000	1.432	.000	1.444	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.076	.249	.247	.254	.246	.250	.269	.431	.309
ELEVATION	1344.000	1438.076	1441.249	1443.247	1447.254	1450.246	1450.250	1448.269	1447.431	1447.309
VEL-N	.000	.000	.000	.000	.000	.719	.000	.000	-.523	-.211
VEL-E	.000	.000	.000	.000	-1.444	.000	-1.432	.000	-1.923	-1.781
VEL-S	.000	.000	.000	.000	-.719	.000	.000	.523	.211	.517
VEL-W	.000	.000	.000	.000	.000	1.751	.000	1.664	1.976	1.857

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.246	.251	.245	.115	.000	.004	.249	.252	.244	.263
ELEVATION	1446.245	1443.251	1442.245	1440.115	1438.000	1427.004	1428.249	1430.252	1432.244	1433.263
VEL-N	-.517	-.717	.000	.000	.000	.000	.000	-.879	-.476	-.706
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1.495
VEL-S	.717	.000	.000	.000	.000	.000	.000	.000	.879	.476
VEL-W	1.495	.000	.000	.000	.000	.000	.000	.000	1.769	1.342

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.373	.431	.254	.245	.245	.248	.242	.245	.048	.000
ELEVATION	1435.373	1436.431	1439.254	1440.245	1439.245	1434.248	1435.242	1431.245	1429.048	1344.000
VEL-N	-.585	-.705	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-1.857	-1.976	-1.664	.000	-1.751	.000	.000	.000	.000	.000
VEL-S	.706	.585	.705	.000	.000	.000	.000	.000	.000	.000
VEL-W	1.787	1.976	1.376	.000	.000	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.016	.249	.244	.246	.251	.246	.250	.441	.487
ELEVATION	1349.000	1419.016	1420.249	1423.244	1424.246	1423.251	1424.246	1428.250	1425.441	1424.487
VEL-N	.000	.000	.000	.000	.466	-.469	.624	.000	.000	-.593
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.376	-1.976	-1.787
VEL-S	.000	.000	.000	-.466	.469	-.624	.000	.000	.593	.631
VEL-W	.000	.000	.000	.000	1.377	1.409	1.305	.000	1.711	1.656

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.384	.254	.249	.157	.000	.016	.249	.315	.345	.261
ELEVATION	1423.384	1421.254	1420.249	1420.156	1418.000	1408.016	1410.249	1410.315	1411.345	1416.261
VEL-N	-.631	-.801	-.533	.000	.000	.000	-.119	-.570	-1.217	-.630
VEL-E	-1.342	-1.769	.000	.000	.000	.000	.000	.000	-1.685	-1.477
VEL-S	.801	.533	.000	.000	.000	.000	.000	.119	.570	1.217
VEL-W	1.477	1.685	.000	.000	.000	.000	.000	1.373	1.607	1.716

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.434	.501	.258	.252	.252	.253	.248	.084	.000	.000
ELEVATION	1417.434	1417.500	1417.258	1418.252	1416.252	1413.253	1413.248	1411.084	1348.000	1347.000
VEL-N	-.162	.269	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-1.656	-1.711	.000	-1.305	-1.409	-1.377	.000	.000	.000	.000
VEL-S	.630	.162	-.269	.000	.000	.000	.000	.000	.000	.000
VEL-W	1.805	1.715	1.334	.000	.000	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.286	.253	.021	.246	.248	.243	.250	.252	.295	.368
ELEVATION	1346.286	1353.253	1401.021	1401.246	1403.248	1406.243	1405.250	1407.252	1408.295	1407.368
VEL-N	.219	-.607	.000	.000	.000	.805	-.416	.589	.450	-.445
VEL-E	-1.245	.000	.000	.000	.000	.000	.000	-1.334	-1.715	-1.805
VEL-S	.000	.151	.000	.000	-.805	.416	-.589	-.450	.445	1.059
VEL-W	1.194	1.245	.000	.000	.000	1.615	1.478	1.552	1.667	1.653

NODE	161	162	163	164	165	166	167	168	169	170

DEPTH	.482	.326	.368	.033	.000	.000	.000	.608	.561	.367
ELEVATION	1403.482	1403.326	1402.368	1403.033	1399.000	1390.000	1393.000	1390.608	1391.561	1394.367
VEL-N	-1.059	-.226	-.485	.000	.000	.000	.000	-.694	-1.011	-.707
VEL-E	-1.716	-1.607	-1.373	.000	.000	.000	.000	-1.841	-1.700	-2.007
VEL-S	.226	.485	.000	.000	.000	.000	.000	.000	.694	1.011
VEL-W	2.007	1.700	1.841	.000	.000	.000	.000	2.141	1.580	2.077

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.286	.320	.428	.251	.256	.244	.247	.052	.019	.000
ELEVATION	1396.286	1395.320	1393.428	1395.251	1394.255	1394.244	1392.247	1388.052	1353.019	1362.000
VEL-N	.446	.673	-.637	.536	.000	.000	.000	.000	-.151	.000
VEL-E	-1.653	-1.667	-1.552	-1.478	-1.615	.000	.000	.000	.000	.000
VEL-S	.707	-.446	-.673	.637	-.536	.000	.000	.000	.000	.000
VEL-W	1.059	1.467	1.650	1.406	.000	.000	.000	.000	.000	.000

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.250	.000	.000	.241	.249	.248	.254	.654	.329	.247
ELEVATION	1361.250	1371.000	1380.000	1383.241	1385.249	1387.248	1386.254	1385.654	1386.329	1390.247
VEL-N	-.270	.000	.000	.000	.000	.000	.000	.000	.410	.000
VEL-E	.000	.000	.000	.000	.000	.000	-1.406	-1.650	-1.467	-1.059
VEL-S	.000	.000	.000	.000	.000	.000	.000	-.410	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	1.858	1.410	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.521	.277	.522	.000	.000	.202	.254	.550	.298	.556
ELEVATION	1382.521	1384.277	1383.522	1388.000	1379.000	1370.202	1372.254	1373.550	1374.298	1374.556
VEL-N	.000	.588	-.434	.000	.000	.000	-.832	-.519	-.388	.000
VEL-E	-2.077	-1.580	-2.141	.000	.000	.000	.000	-2.754	-1.577	-2.152
VEL-S	-.588	.434	.000	.000	.000	.000	.000	.832	.519	.388
VEL-W	2.152	1.577	2.754	.000	.000	.000	.000	2.627	1.695	2.238

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.250	.350	.419	.299	.114	.228	.000	.000	.000	.000
ELEVATION	1379.250	1378.350	1378.419	1377.299	1381.114	1377.228	1375.000	1393.000	1400.000	1374.000
VEL-N	.000	-.146	.559	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	-1.410	-1.858	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.146	-.559	.000	.000	.000	.000	.000	.000
VEL-W	.000	1.705	1.929	1.327	.000	.000	.000	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.258	.253	.567	.557	.160	.428	.318
ELEVATION	1365.000	1367.000	1369.000	1366.258	1368.253	1367.567	1367.557	1368.160	1367.428	1366.318
VEL-N	.000	.000	.000	.000	.000	.000	-.076	.000	.000	-.734
VEL-E	.000	.000	.000	.000	-1.327	-1.929	-1.705	.000	-2.238	-1.695
VEL-S	.000	.000	.000	.000	.000	.076	.000	.000	.734	.846
VEL-W	.000	.000	.000	.851	.000	1.724	1.573	.000	2.138	1.771

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.497	.494	.497	.536	.327	.415	.295	.386	.532	.244
ELEVATION	1364.497	1361.494	1354.497	1355.536	1358.327	1359.415	1359.295	1361.386	1361.532	1363.244
VEL-N	-.846	-1.277	-.686	-.932	-.723	.204	-.737	-.238	.000	.000
VEL-E	-2.627	.000	-1.735	-2.208	-1.771	-2.138	.000	-1.573	-1.724	.000
VEL-S	1.277	.270	.607	.686	.932	.723	-.204	.737	.238	.000
VEL-W	2.208	1.735	2.132	2.107	1.752	1.746	1.222	1.657	1.935	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.120	.000	.000	.000	.000	.000	.000	.250	.338	.430
ELEVATION	1360.120	1368.000	1357.000	1358.000	1343.000	1343.000	1343.000	1349.250	1350.338	1352.430
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.726	1.028
VEL-E	-.851	.000	.000	.000	.000	.000	.000	.000	.000	-1.935

VEL-S	.000	.000	.000	.000	.000	.000	.000	-.726	-1.028	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	1.587	1.623

NODE	241	242	243	244	245	246
DEPTH	.432	.327	.263	.450	1.189	1.142
ELEVATION	1352.432	1352.327	1352.263	1348.450	1346.189	1346.142
VEL-N	.000	-.178	-.132	-.942	-.924	-.282
VEL-E	-1.657	-1.222	-1.746	-1.752	-2.107	-2.132
VEL-S	.178	.132	.942	.924	.282	-.219
VEL-W	1.831	1.629	1.715	1.393	1.865	2.241

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
90	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 90 IS EQUAL TO 3247.74

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	4.417	4.441	6.252	.000	.000	.000	.000	.000	.000	5.461
ELEVATION	1338.417	1338.441	1339.252	.000	.000	.000	.000	.000	.000	1338.461

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	5.914	.000	.000	.000	.000	.000	.000	.000	4.898	5.813
ELEVATION	1338.914	.000	.000	.000	.000	.000	.000	.000	1337.897	1337.813

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	5.262	4.288	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1337.262	1335.288	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	3.665	4.857
ELEVATION	.000	.000	.000	.000	.000	.000	.000	.000	1333.665	1332.857

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	4.447	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1332.447	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	3.933	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1331.933	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	3.160	.000	.000	.000	.000	.000
ELEVATION	.000	.000	.000	.000	1331.160	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.540
ELEVATION	.000	.000	.000	.000	.000	.000	.000	.000	.000	1328.540

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	3.057	3.299	3.728	4.107	.000	.000
ELEVATION	.000	.000	.000	.000	1337.057	1337.299	1337.728	1338.107	.000	.000

MIN. TIMESTEP(SEC.) = 12.00 MAX. TIMESTEP(SEC.) = 15.00 MEAN TIMESTEP(SEC.) = 12.90

MODEL TIME(HOURS) = 3.25 (SECONDS) = .117E+05 (TOTAL TIMESTEP NUMBER) = 7.5E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 1494.60

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.250	.250	.000	.431	.246	.000	.000	.000	.250
ELEVATION	1343.000	1343.250	1342.250	1561.000	1558.431	1558.246	1688.000	1555.000	1553.000	1342.250
VEL-N	.000	.000	.000	.000	.000	-.435	.000	.000	.000	.000
VEL-E	.000	-1.413	-1.565	.000	.000	.000	.000	.000	.000	-1.735
VEL-S	.000	.000	.000	.000	.435	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	3.388	2.187	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.250	.000	.000	.245	.255	.621	.249	.000	.250	.250
ELEVATION	1342.250	1537.000	1541.000	1540.245	1541.255	1541.621	1541.249	1542.000	1342.250	1341.250
VEL-N	.000	.000	.000	.000	-.368	.473	.000	.000	.000	.000
VEL-E	-1.511	.000	.000	.000	-2.187	-3.388	.000	.000	-1.696	-1.282
VEL-S	.000	.000	.000	.000	.000	.368	-.473	.000	.000	.000
VEL-W	.000	.000	.000	2.197	.000	2.548	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.250	.250	.000	.249	.351	.249	.259	.000	.000	.000
ELEVATION	1341.250	1340.250	1530.000	1529.250	1529.351	1527.249	1523.259	1524.000	1523.000	1518.000
VEL-N	.000	.000	.000	.000	.246	-1.025	-1.252	.000	.000	.000
VEL-E	-1.715	-2.067	.000	.000	-2.548	.000	-2.197	.000	.000	.000
VEL-S	.000	.000	.000	-.246	1.025	1.252	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	2.667	2.443	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.043	.246	.243	.247	.263	.460	.245	.000	.250	.000
ELEVATION	1503.042	1505.245	1506.243	1510.247	1512.263	1513.460	1515.245	1518.000	1339.250	1337.000
VEL-N	.000	-.464	.000	-.762	-.744	-.717	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-2.443	-2.667	.000	.000	-1.410	.000
VEL-S	.000	.000	.464	.000	.762	.744	.717	.000	.000	.000
VEL-W	.000	.000	2.062	.000	1.896	2.129	1.553	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.249	.250	.342	.280	.251	.258	.242	.188
ELEVATION	1342.000	1501.000	1500.249	1504.250	1502.342	1500.280	1497.251	1495.258	1494.242	1493.188
VEL-N	.000	.000	.000	.830	-.579	-.774	-.972	-.888	.000	.000
VEL-E	.000	.000	.000	-1.553	-2.129	-1.896	.000	-2.062	.000	.000
VEL-S	.000	.000	-.830	.579	.774	.972	.888	.000	.000	.000
VEL-W	.000	.000	.000	1.604	2.069	1.977	2.022	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.252	.241	.346	.273	.344	.251	.249	.246	.127
ELEVATION	1481.000	1480.252	1483.241	1483.346	1488.273	1489.344	1489.251	1486.249	1484.246	1480.127
VEL-N	.000	-1.076	-.184	-1.255	-.635	.163	.000	.587	.000	.000
VEL-E	.000	.000	.000	-2.022	-1.977	-2.069	-1.604	.000	.000	.000
VEL-S	.000	.000	1.076	.184	1.255	.635	-.163	.000	-.587	.000
VEL-W	.000	2.153	2.242	2.072	1.741	1.751	.000	1.439	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.161	.247	.251	.250	.254	.253	.485	.251
ELEVATION	1337.000	1457.000	1469.161	1472.247	1474.251	1478.250	1478.254	1475.253	1470.485	1470.251
VEL-N	.000	.000	.000	.000	.000	.000	.000	-.726	-.913	-.334

VEL-E	.000	.000	.000	.000	-1.439	.000	-1.751	-1.741	-2.072	-2.242
VEL-S	.000	.000	.000	.000	.000	.000	.726	.913	.334	.875
VEL-W	.000	.000	.000	.000	.000	.000	1.668	1.809	1.980	1.918

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.254	.248	.247	.015	.000	.000	.000	.244	.245	.246
ELEVATION	1468.254	1467.248	1466.247	1460.015	1337.000	1449.000	1455.000	1453.245	1456.245	1458.246
VEL-N	-.875	.000	.000	.000	.000	.000	.000	.000	-.658	.400
VEL-E	-2.153	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.658
VEL-W	.000	.000	.000	.000	.000	.000	.000	2.458	.000	1.439

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.342	.372	.254	.255	.249	.248	.248	.250	.001	.000
ELEVATION	1457.342	1459.372	1460.254	1462.255	1463.249	1459.248	1456.248	1454.250	1450.001	1336.000
VEL-N	-.748	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-1.918	-1.980	-1.809	-1.668	.000	.000	.000	.000	.000	.000
VEL-S	-.400	.748	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	1.708	1.870	.000	.000	.000	.000	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.085	.244	.245	.249	.244	.245	.260	.415	.282
ELEVATION	1344.000	1438.085	1441.244	1443.245	1447.249	1450.245	1450.245	1448.260	1447.415	1447.282
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	-.512	-.212
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	-1.870	-1.708
VEL-S	.000	.000	.000	.000	.000	.000	.000	.512	.212	.494
VEL-W	.000	.000	.000	.000	.000	.000	.000	1.637	1.902	1.749

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.255	.245	.252	.136	.000	.011	.249	.248	.250	.252
ELEVATION	1446.255	1443.245	1442.252	1440.135	1438.000	1427.011	1428.249	1430.248	1432.250	1433.252
VEL-N	-.494	.000	-.531	.000	.000	.000	.000	.000	-.468	-.659
VEL-E	-1.439	.000	-2.458	.000	.000	.000	.000	.000	-1.537	.000
VEL-S	.000	.531	.000	.000	.000	.000	.000	.000	.000	.468
VEL-W	.000	1.537	.000	.000	.000	.000	.000	.000	.000	1.324

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.326	.398	.250	.247	.242	.247	.249	.244	.058	.000
ELEVATION	1435.326	1436.398	1439.250	1440.247	1439.242	1434.247	1435.249	1431.244	1429.058	1344.000
VEL-N	-.549	-.703	.000	.000	.000	.000	.000	.664	.000	.000
VEL-E	-1.749	-1.902	-1.637	.000	.000	.000	.000	.000	.000	.000
VEL-S	.659	.549	.703	.000	.000	.000	.000	.000	-.664	.000
VEL-W	1.634	1.861	1.380	.000	.000	.000	.000	1.765	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.025	.254	.248	.248	.250	.253	.247	.391	.424
ELEVATION	1349.000	1419.025	1420.254	1423.248	1424.248	1423.250	1424.253	1428.247	1425.391	1424.424
VEL-N	.000	.000	.000	.000	.000	.000	.627	1.071	-.705	-.548
VEL-E	.000	.000	-1.765	.000	.000	.000	.000	-1.380	-1.861	-1.634
VEL-S	.000	.000	.000	.000	.000	-.627	-1.071	.705	.548	.559
VEL-W	.000	.000	.000	.000	.000	.000	1.313	1.380	1.572	1.485

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.289	.249	.248	.208	.000	.022	.249	.270	.281	.251
ELEVATION	1423.289	1421.249	1420.248	1420.208	1418.000	1408.022	1410.249	1410.270	1411.281	1416.251
VEL-N	-.559	-.701	-.536	-.105	.000	.000	-.058	-.497	-1.198	-.561
VEL-E	-1.324	.000	.000	.000	.000	.000	.000	-1.475	-1.695	-1.304
VEL-S	.701	.536	.105	.000	.000	.000	.000	.058	.497	1.198
VEL-W	1.304	1.695	1.475	.000	.000	.000	.000	1.224	1.389	1.685

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.358	.432	.253	.253	.248	.246	.247	.130	.000	.000
ELEVATION	1417.358	1417.432	1417.253	1418.253	1416.248	1413.246	1413.247	1411.130	1348.000	1347.000
VEL-N	-.153	.217	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-1.485	-1.572	-1.380	-1.313	.000	.000	.000	.000	.000	.000
VEL-S	.561	.153	-.217	.000	.000	.000	.000	.000	.000	.000
VEL-W	1.586	1.548	1.312	.000	.000	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.250	.260	.025	.250	.245	.249	.248	.255	.251	.304
ELEVATION	1346.250	1353.260	1401.025	1401.250	1403.245	1406.249	1405.248	1407.255	1408.251	1407.304
VEL-N	.264	-.552	.000	.000	.000	.000	.000	.000	.415	-.405
VEL-E	-1.249	-1.173	.000	.000	.000	.000	.000	-1.312	-1.548	-1.586
VEL-S	.000	.154	.000	.000	.000	.000	.000	-.415	.405	.935
VEL-W	1.410	1.249	.000	.000	.000	.000	.000	.000	1.500	1.478

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.395	.261	.304	.048	.000	.000	.000	.497	.451	.297
ELEVATION	1403.395	1403.261	1402.303	1403.048	1399.000	1390.000	1393.000	1390.497	1391.451	1394.297
VEL-N	-.935	-.181	-.417	.000	.000	.000	.000	-.601	-.882	-.654
VEL-E	-1.685	-1.389	-1.224	.000	.000	.000	.000	-1.622	-1.466	-1.744
VEL-S	.181	.417	.000	.000	.000	.000	.000	.000	.601	.882
VEL-W	1.744	1.466	1.622	.000	.000	.000	.000	1.874	1.398	1.801

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.250	.262	.343	.246	.247	.245	.249	.075	.038	.000
ELEVATION	1396.250	1395.262	1393.343	1395.246	1394.247	1394.245	1392.249	1388.075	1353.038	1362.000
VEL-N	.414	.591	.000	.000	.000	.000	.000	.000	-.154	.000
VEL-E	-1.478	-1.500	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.654	-.414	-.591	.000	.000	.000	.000	.000	.000	.000
VEL-W	1.018	1.280	1.439	.000	.000	.000	.000	.000	.000	.000

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.252	.000	.000	.251	.248	.249	.248	.542	.274	.245
ELEVATION	1361.252	1371.000	1380.000	1383.251	1385.248	1387.249	1386.248	1385.542	1386.274	1390.245
VEL-N	-.211	.000	.000	.000	.757	.000	.000	.000	.375	.831
VEL-E	-1.245	.000	.000	.000	.000	.000	.000	-1.439	-1.280	-1.018
VEL-S	.000	.000	.000	-.757	.000	.000	.000	-.375	-.831	1.165
VEL-W	1.173	.000	.000	.000	1.324	.000	.000	1.643	1.239	1.544

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.429	.251	.431	.000	.000	.247	.252	.447	.254	.467
ELEVATION	1382.429	1384.251	1383.431	1388.000	1379.000	1370.247	1372.252	1373.447	1374.255	1374.467
VEL-N	-1.165	.563	-.425	.000	.000	.000	-.728	-.484	-.315	.000
VEL-E	-1.801	-1.398	-1.874	.000	.000	.000	.000	-2.423	-1.483	-1.879
VEL-S	-.563	.425	.000	.000	.000	.000	.000	.728	.484	.315
VEL-W	1.879	1.483	2.423	.000	.000	1.245	.000	2.306	1.525	1.991

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.251	.296	.355	.251	.154	.253	.106	.000	.000	.000
ELEVATION	1379.251	1378.296	1378.355	1377.250	1381.154	1377.253	1375.106	1393.000	1400.000	1374.000
VEL-N	.000	-.121	.496	.000	.000	.000	.000	.000	.000	.000
VEL-E	-1.544	-1.239	-1.643	.000	.000	-1.324	.000	.000	.000	.000
VEL-S	.000	.000	.121	-.496	.000	.000	.000	.000	.000	.000
VEL-W	.000	1.527	1.729	1.248	.000	.000	.000	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.024	.249	.249	.482	.470	.199	.361	.258
ELEVATION	1365.000	1367.000	1369.024	1366.249	1368.249	1367.481	1367.470	1368.199	1367.360	1366.258
VEL-N	.000	.000	.000	.000	.586	-.364	-.067	.000	.000	-.645

VEL-E	.000	.000	.000	.000	-1.248	-1.729	-1.527	.000	-1.991	-1.525
VEL-S	.000	.000	.000	-.586	.364	.067	.000	.000	.645	.738
VEL-W	.000	.000	.000	1.012	1.039	1.550	1.413	.000	1.925	1.536

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.415	.422	.426	.458	.280	.364	.262	.336	.458	.250
ELEVATION	1364.415	1361.422	1354.426	1355.458	1358.280	1359.364	1359.262	1361.336	1361.458	1363.250
VEL-N	-.738	-1.132	-.616	-.845	-.658	.174	-.673	-.198	.000	.000
VEL-E	-2.306	.000	-1.560	-1.959	-1.536	-1.925	.000	-1.413	-1.550	-1.039
VEL-S	1.132	.211	.552	.616	.845	.658	-.174	.673	.198	.000
VEL-W	1.959	1.560	1.931	1.905	1.583	1.639	1.131	1.511	1.784	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.251	.000	.000	.000	.000	.000	.000	.250	.250	.395
ELEVATION	1360.251	1368.000	1357.000	1358.000	1343.000	1343.000	1343.000	1349.250	1350.250	1352.395
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.624	.927
VEL-E	-1.012	.000	.000	.000	.000	.000	.000	.000	.000	-1.784
VEL-S	.000	.000	.000	.000	.000	.000	.000	-.624	-.927	.064
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	1.413	1.565

NODE	241	242	243	244	245	246
DEPTH	.382	.268	.253	.374	1.046	1.005
ELEVATION	1352.382	1352.268	1352.253	1348.374	1346.046	1346.005
VEL-N	-.064	-.167	-.056	-.930	-.827	-.244
VEL-E	-1.511	-1.131	-1.639	-1.583	-1.905	-1.931
VEL-S	.167	.056	.930	.827	.244	-.264
VEL-W	1.735	1.511	1.696	1.282	1.715	2.067

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
90	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 90 IS EQUAL TO 4738.56

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	5.678	5.064	6.861	.000	.000	.000	.000	.000	.000	5.705
ELEVATION	1339.678	1339.064	1339.861	.000	.000	.000	.000	.000	.000	1338.705

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	5.850	.000	.000	.000	.000	.000	.000	.000	5.193	5.847
ELEVATION	1338.850	.000	.000	.000	.000	.000	.000	.000	1338.193	1337.847

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	5.275	4.252	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1337.276	1335.252	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	3.892	5.185
ELEVATION	.000	.000	.000	.000	.000	.000	.000	.000	1333.892	1333.185

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	4.812	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1332.812	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	4.319	.000	.000	.000	.000	.000	.000	.000	.000	.000

ELEVATION	1332.319	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	3.517	.000	.000	.000	.000	.000
ELEVATION	.000	.000	.000	.000	1331.517	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.981
ELEVATION	.000	.000	.000	.000	.000	.000	.000	.000	.000	1328.981

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	5.141	4.808	5.419	4.954	.000	.000
ELEVATION	.000	.000	.000	.000	1339.141	1338.808	1339.419	1338.954	.000	.000

MIN. TIMESTEP(SEC.) = 11.00 MAX. TIMESTEP(SEC.) = 12.50 MEAN TIMESTEP(SEC.) = 11.86

MODEL TIME(HOURS) = 3.50 (SECONDS) = .126E+05 (TOTAL TIMESTEP NUMBER) = 9.0E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 795.99

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.250	.250	.000	.315	.248	.000	.000	.000	.250
ELEVATION	1343.000	1343.250	1342.250	1561.000	1558.315	1558.248	1688.000	1555.000	1553.000	1342.250
VEL-N	.000	.000	.000	.000	.000	-.236	.000	.000	.000	.000
VEL-E	.000	-1.410	-1.433	.000	.000	.000	.000	.000	.000	-1.592
VEL-S	.000	.000	.000	.000	.236	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	2.754	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.250	.000	.000	.247	.250	.482	.249	.000	.250	.250
ELEVATION	1342.250	1537.000	1541.000	1540.247	1541.250	1541.482	1541.249	1542.000	1342.250	1341.250
VEL-N	.000	.000	.000	.000	-.259	.334	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-2.754	.000	.000	.000	-1.146
VEL-S	.000	.000	.000	.000	.000	.259	-.334	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	2.157	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.250	.250	.000	.246	.277	.249	.249	.000	.000	.000
ELEVATION	1341.250	1340.250	1530.000	1529.246	1529.277	1527.249	1523.249	1524.000	1523.000	1518.000
VEL-N	.000	.000	.000	.000	.127	-.914	.000	.000	.000	.000
VEL-E	-1.524	-1.852	.000	.000	-2.157	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.127	.914	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	2.281	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.045	.249	.245	.250	.249	.365	.247	.000	.250	.000
ELEVATION	1503.045	1505.249	1506.245	1510.250	1512.249	1513.365	1515.247	1518.000	1339.250	1337.000
VEL-N	.000	.000	.000	-.756	-.650	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-2.281	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.756	.650	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	1.855	1.850	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.247	.242	.283	.258	.249	.247	.249	.199
ELEVATION	1342.000	1501.000	1500.247	1504.242	1502.283	1500.258	1497.249	1495.247	1494.249	1493.199

VEL-N	.000	.000	.000	.000	.000	-.694	.000	.000	-.752	.000
VEL-E	.000	.000	.000	.000	-1.850	-1.855	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.694	.000	.000	.752	.000	.000
VEL-W	.000	.000	1.545	.000	1.822	.000	.000	2.170	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.245	.256	.276	.250	.279	.245	.252	.244	.135
ELEVATION	1481.000	1480.245	1483.256	1483.276	1488.250	1489.279	1489.245	1486.252	1484.244	1480.135
VEL-N	.000	.000	-.094	-1.210	-.565	.083	.714	.000	.000	.000
VEL-E	.000	.000	-2.170	.000	.000	-1.822	.000	-1.545	.000	.000
VEL-S	.000	.000	.000	.094	1.210	.565	-.083	-.714	.000	.000
VEL-W	.000	.000	.000	1.795	1.696	1.608	1.374	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.170	.246	.249	.253	.254	.247	.405	.246
ELEVATION	1337.000	1457.000	1469.171	1472.246	1474.249	1478.253	1478.254	1475.247	1470.405	1470.246
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	-.912	-.254
VEL-E	.000	.000	.000	.000	.000	-1.374	-1.608	-1.696	-1.795	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.912	.254	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	1.805	1.782	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.249	.244	.245	.018	.000	.000	.000	.248	.249	.249
ELEVATION	1468.249	1467.244	1466.245	1460.018	1337.000	1449.000	1455.000	1453.248	1456.249	1458.249
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.296	.330	.253	.246	.242	.247	.244	.245	.004	.000
ELEVATION	1457.296	1459.330	1460.253	1462.246	1463.242	1459.247	1456.244	1454.245	1450.004	1336.000
VEL-N	-.688	-.452	-.664	.000	.000	.000	.000	.700	.000	.000
VEL-E	.000	-1.782	-1.805	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.688	.452	.664	.000	.000	.000	.000	-.700	.000
VEL-W	1.587	1.723	2.150	1.444	.000	.000	.000	1.915	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.092	.254	.247	.249	.245	.250	.254	.373	.258
ELEVATION	1344.000	1438.092	1441.254	1443.247	1447.249	1450.245	1450.250	1448.255	1447.373	1447.258
VEL-N	.000	.000	.000	.881	.000	.000	.000	-.752	.000	-.187
VEL-E	.000	.000	-1.915	.000	.000	.000	-1.444	-2.150	-1.723	-1.587
VEL-S	.000	.000	-.881	.000	.000	.000	.752	.000	.187	.473
VEL-W	.000	.000	.000	1.502	.000	.000	1.474	.000	1.796	1.646

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.251	.248	.247	.152	.000	.015	.249	.243	.249	.247
ELEVATION	1446.251	1443.248	1442.247	1440.152	1438.000	1427.015	1428.249	1430.243	1432.249	1433.247
VEL-N	-.473	.000	.000	.000	.000	.000	.000	.000	-.466	-.633
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.466
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.312

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.300	.372	.244	.252	.241	.247	.248	.247	.064	.000
ELEVATION	1435.300	1436.372	1439.244	1440.252	1439.241	1434.247	1435.248	1431.247	1429.064	1344.000
VEL-N	-.522	-.703	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-1.646	-1.796	.000	-1.474	.000	.000	-1.502	.000	.000	.000
VEL-S	.633	.522	.703	.000	.000	.000	.000	.000	.000	.000
VEL-W	1.545	1.778	1.371	.000	.000	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.033	.248	.243	.248	.249	.247	.252	.363	.399
EVATION	1349.000	1419.033	1420.248	1423.243	1424.248	1423.249	1424.247	1428.252	1425.363	1424.399
VEL-N	.000	.000	.000	.000	.000	.000	.622	.000	.000	-.523
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.371	-1.778	-1.545
VEL-S	.000	.000	.000	.000	.000	-.622	.000	.000	.523	.529
VEL-W	.000	.000	.000	.000	.000	.000	1.306	.000	1.503	1.421

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.252	.251	.248	.245	.000	.023	.249	.258	.251	.254
ELEVATION	1423.252	1421.251	1420.248	1420.245	1418.000	1408.023	1410.249	1410.258	1411.250	1416.254
VEL-N	-.529	-.660	.000	.000	.000	.000	.000	-.473	.000	-.537
VEL-E	-1.312	.000	.000	.000	.000	.000	.000	-1.483	.000	-1.233
VEL-S	.660	.000	.000	.000	.000	.000	.000	.000	.473	.000
VEL-W	1.233	.000	1.483	.000	.000	.000	.000	1.179	1.335	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.333	.394	.248	.252	.244	.247	.245	.175	.000	.000
ELEVATION	1417.333	1417.394	1417.248	1418.252	1416.244	1413.247	1413.245	1411.175	1348.000	1347.000
VEL-N	-.132	.186	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-1.421	-1.503	.000	-1.306	.000	.000	.000	.000	.000	.000
VEL-S	.537	.132	-.186	.000	.000	.000	.000	.000	.000	.000
VEL-W	1.460	1.486	1.309	.000	.000	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.253	.252	.029	.247	.250	.246	.247	.253	.251	.252
ELEVATION	1346.253	1353.252	1401.029	1401.247	1403.250	1406.246	1405.247	1407.253	1408.251	1407.252
VEL-N	.000	-.495	.000	.000	.000	.000	.000	.000	.415	-.416
VEL-E	-1.232	-1.176	.000	.000	.000	.000	.000	-1.309	-1.486	-1.460
VEL-S	.000	.148	.000	.000	.000	.000	.000	-.415	.416	.824
VEL-W	.000	1.232	.000	.000	.000	.000	1.471	.000	1.501	1.380

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.336	.252	.254	.051	.000	.000	.000	.398	.345	.254
ELEVATION	1403.336	1403.252	1402.254	1403.051	1399.000	1390.000	1393.000	1390.398	1391.345	1394.254
VEL-N	-.824	-.136	-.417	.000	.000	.000	.000	-.498	-.802	-.661
VEL-E	.000	-1.335	-1.179	.000	.000	.000	.000	.000	-1.442	-1.574
VEL-S	.136	.417	.000	.000	.000	.000	.000	.000	.498	.802
VEL-W	1.574	1.442	.000	.000	.000	.000	.000	1.640	1.240	1.622

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.249	.254	.294	.251	.250	.248	.247	.096	.057	.000
ELEVATION	1396.249	1395.254	1393.294	1395.251	1394.250	1394.248	1392.247	1388.096	1353.057	1362.000
VEL-N	.415	.585	.000	.000	.000	.000	.000	.000	-.148	.000
VEL-E	-1.380	-1.501	.000	-1.471	.000	.000	.000	.000	.000	.000
VEL-S	.661	-.415	-.585	.000	.000	.000	.000	.000	.000	.000
VEL-W	1.019	1.252	1.301	.000	1.414	.000	.000	.000	.000	.000

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.249	.000	.000	.249	.248	.252	.247	.456	.254	.245
ELEVATION	1361.249	1371.000	1380.000	1383.249	1385.248	1387.252	1386.247	1385.456	1386.254	1390.245
VEL-N	-.152	.000	.000	.000	.000	.000	.000	.000	.372	.834
VEL-E	.000	.000	.000	.000	.000	-1.414	.000	-1.301	-1.252	-1.019
VEL-S	.000	.000	.000	.000	.000	.000	.000	-.372	-.834	1.172
VEL-W	1.176	.000	.000	.000	.000	.000	.000	1.459	1.178	1.544

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.364	.248	.360	.000	.000	.247	.252	.372	.250	.395
ELEVATION	1382.364	1384.248	1383.359	1388.000	1379.000	1370.247	1372.252	1373.372	1374.250	1374.395

VEL-N	-1.172	.571	-.441	.000	.000	.000	-.652	-.501	-.241	.000
VEL-E	-1.622	-1.240	-1.640	.000	.000	.000	.000	-2.146	-1.477	-1.680
VEL-S	-.571	.441	.000	.000	.000	.000	.000	.652	.501	.241
VEL-W	1.680	1.477	2.146	.000	.000	.000	.000	2.028	1.500	1.775

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.251	.252	.297	.250	.188	.248	.212	.000	.000	.000
ELEVATION	1379.251	1378.252	1378.297	1377.250	1381.188	1377.248	1375.212	1393.000	1400.000	1374.000
VEL-N	.000	-.095	.452	.000	.000	.000	.000	.000	.000	.000
VEL-E	-1.544	-1.178	-1.459	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.095	-.452	.000	.000	.000	.000	.000	.000
VEL-W	.000	1.374	1.537	1.252	.000	.000	.000	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.051	.251	.251	.401	.376	.232	.304	.252
ELEVATION	1365.000	1367.000	1369.052	1366.251	1368.251	1367.401	1367.376	1368.232	1367.304	1366.252
VEL-N	.000	.000	.000	.000	.588	-.385	-.089	.000	.000	-.584
VEL-E	.000	.000	.000	.000	-1.252	-1.537	-1.374	.000	-1.775	-1.500
VEL-S	.000	.000	.000	-.588	.385	.089	.000	.000	.584	.000
VEL-W	.000	.000	.000	.000	1.037	1.386	1.225	.000	1.700	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.338	.354	.354	.369	.249	.293	.249	.278	.395	.246
ELEVATION	1364.338	1361.354	1354.354	1355.369	1358.249	1359.293	1359.250	1361.278	1361.395	1363.246
VEL-N	.000	-.990	-.534	-.801	-.578	.103	-.613	-.173	.000	.000
VEL-E	-2.028	.000	-1.387	-1.716	.000	-1.700	.000	-1.225	-1.386	-1.037
VEL-S	.990	.152	.495	.534	.801	.578	-.103	.613	.173	.000
VEL-W	1.716	1.387	1.719	1.656	1.489	1.494	1.097	1.336	1.584	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.248	.000	.000	.000	.000	.000	.000	.250	.247	.318
ELEVATION	1360.248	1368.000	1357.000	1358.000	1343.000	1343.000	1343.000	1349.250	1350.247	1352.318
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.622	.836
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1.584
VEL-S	.000	.000	.000	.000	.000	.000	.000	-.622	-.836	.048
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	1.410	1.433

NODE	241	242	243	244	245	246
DEPTH	.308	.254	.254	.281	.867	.837
ELEVATION	1352.308	1352.254	1352.254	1348.281	1345.867	1345.837
VEL-N	-.048	-.109	.000	.000	-.699	-.182
VEL-E	-1.336	-1.097	-1.494	-1.489	-1.656	-1.719
VEL-S	.109	.000	.000	.699	.182	.000
VEL-W	1.592	.000	.000	1.146	1.524	1.852

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
90	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 90 IS EQUAL TO 4738.59

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	6.001	5.082	6.791	.000	.000	.000	.000	.000	.000	5.531
ELEVATION	1340.001	1339.082	1339.791	.000	.000	.000	.000	.000	.000	1338.531

NODE	11	12	13	14	15	16	17	18	19	20

DEPTH	5.604	.000	.000	.000	.000	.000	.000	.000	4.900	5.602
ELEVATION	1338.604	.000	.000	.000	.000	.000	.000	.000	1337.900	1337.602

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	4.979	3.964	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1336.979	1334.964	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	3.678	5.044
ELEVATION	.000	.000	.000	.000	.000	.000	.000	.000	1333.678	1333.044

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	4.709	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1332.709	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	4.250	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1332.250	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	3.479	.000	.000	.000	.000	.000
ELEVATION	.000	.000	.000	.000	1331.479	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.981
ELEVATION	.000	.000	.000	.000	.000	.000	.000	.000	.000	1328.981

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	5.815	5.253	6.045	5.229	.000	.000
ELEVATION	.000	.000	.000	.000	1339.815	1339.253	1340.045	1339.229	.000	.000

MIN. TIMESTEP(SEC.) = 10.50 MAX. TIMESTEP(SEC.) = 12.00 MEAN TIMESTEP(SEC.) = 11.52

MODEL TIME(HOURS) = 3.75 (SECONDS) = .135E+05 (TOTAL TIMESTEP NUMBER) = 1.0E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 132.30

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.250	.250	.000	.245	.248	.000	.000	.000	.250
ELEVATION	1343.000	1343.250	1342.250	1561.000	1558.245	1558.248	1688.000	1555.000	1553.000	1342.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-1.315	.000	.000	.000	.000	.000	.000	-1.481
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	2.370	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.250	.000	.000	.248	.248	.264	.248	.000	.250	.250
ELEVATION	1342.250	1537.000	1541.000	1540.248	1541.248	1541.264	1541.248	1542.000	1342.250	1341.250
VEL-N	.000	.000	.000	.000	-.051	.065	.000	.000	.000	.000
VEL-E	-1.474	.000	.000	.000	.000	-2.370	.000	.000	-1.688	.000
VEL-S	.000	.000	.000	.000	.000	.051	-.065	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	1.644	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.250	.250	.000	.244	.247	.253	.244	.000	.000	.000

ELEVATION	1341.250	1340.250	1530.000	1529.244	1529.247	1527.253	1523.244	1524.000	1523.000	1518.000
VEL-N	.000	.000	.000	.000	.000	-.880	.000	.000	.000	.000
VEL-E	-1.345	-1.642	.000	.000	-1.644	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.880	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	2.138	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.047	.248	.249	.245	.249	.254	.248	.000	.250	.000
ELEVATION	1503.047	1505.248	1506.249	1510.245	1512.249	1513.254	1515.248	1518.000	1339.250	1337.000
VEL-N	.000	.000	.000	.000	-.535	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-2.138	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.535	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	1.552	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.246	.247	.255	.246	.248	.243	.241	.207
ELEVATION	1342.000	1501.000	1500.246	1504.247	1502.255	1500.246	1497.248	1495.243	1494.241	1493.207
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-1.552	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.250	.246	.248	.246	.250	.248	.250	.245	.137
ELEVATION	1481.000	1480.250	1483.246	1483.248	1488.246	1489.250	1489.248	1486.250	1484.245	1480.137
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	2.157	.000	.000	.000	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.174	.244	.249	.249	.250	.243	.281	.242
ELEVATION	1337.000	1457.000	1469.174	1472.244	1474.249	1478.249	1478.250	1475.243	1470.281	1470.242
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.105
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.105	.875
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	1.460	1.922

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.255	.241	.245	.020	.000	.000	.000	.246	.245	.249
ELEVATION	1468.255	1467.241	1466.245	1460.020	1337.000	1449.000	1455.000	1453.246	1456.245	1458.249
VEL-N	-.875	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-2.157	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.258	.258	.248	.243	.249	.249	.247	.248	.004	.000
ELEVATION	1457.258	1459.258	1460.248	1462.243	1463.249	1459.249	1456.247	1454.248	1450.004	1336.000
VEL-N	-.594	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-1.922	-1.460	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.594	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	1.469	.000	.000	.000	.000	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.096	.245	.248	.246	.250	.243	.244	.307	.248
ELEVATION	1344.000	1438.096	1441.245	1443.248	1447.246	1450.250	1450.243	1448.244	1447.307	1447.248
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.117
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	-1.469	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.117	.467

VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	1.580	1.617

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.245	.250	.244	.164	.000	.018	.245	.249	.245	.245
ELEVATION	1446.245	1443.250	1442.244	1440.164	1438.000	1427.018	1428.245	1430.249	1432.245	1433.245
VEL-N	-.467	.000	.000	.000	.000	.000	.000	.000	-.464	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.464
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.313

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.254	.311	.243	.242	.246	.246	.247	.248	.067	.000
ELEVATION	1435.254	1436.311	1439.243	1440.242	1439.246	1434.246	1435.247	1431.248	1429.067	1344.000
VEL-N	-.459	-.711	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-1.617	-1.580	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.459	.711	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	1.586	1.374	.000	.000	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.035	.248	.244	.245	.245	.247	.254	.313	.319
ELEVATION	1349.000	1419.035	1420.248	1423.244	1424.245	1423.245	1424.247	1428.255	1425.313	1424.319
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.481
VEL-E	.000	.000	.000	.000	.000	.000	.000	-1.374	-1.586	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.481	.471
VEL-W	.000	.000	.000	.000	.000	1.408	.000	.000	1.363	1.264

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.251	.247	.251	.247	.003	.029	.248	.248	.251	.253
ELEVATION	1423.251	1421.247	1420.251	1420.247	1418.003	1408.029	1410.248	1410.248	1411.251	1416.253
VEL-N	-.471	-.661	-.535	.000	.000	.000	.000	-.465	.000	-.502
VEL-E	-1.313	.000	.000	.000	.000	.000	.000	.000	-1.692	-1.231
VEL-S	.661	.535	.000	.000	.000	.000	.000	.000	.465	.000
VEL-W	1.231	1.692	.000	.000	.000	.000	.000	.000	1.320	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.292	.346	.250	.242	.256	.250	.243	.188	.000	.000
ELEVATION	1417.292	1417.346	1417.250	1418.242	1416.256	1413.250	1413.243	1411.188	1348.000	1347.000
VEL-N	-.114	.146	-.414	.659	.000	.000	.000	.000	.000	.000
VEL-E	-1.264	-1.363	.000	.000	-1.408	.000	.000	.000	.000	.000
VEL-S	.502	.114	-.146	.414	-.659	.000	.000	.000	.000	.000
VEL-W	1.386	1.407	.000	1.489	.000	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.249	.249	.030	.246	.244	.242	.252	.250	.249	.256
ELEVATION	1346.249	1353.249	1401.030	1401.246	1403.244	1406.242	1405.252	1407.250	1408.249	1407.256
VEL-N	.000	-.450	.000	.000	.000	.000	.000	.000	.414	-.415
VEL-E	-1.227	.000	.000	.000	.000	.000	-1.489	.000	-1.407	-1.386
VEL-S	.000	.148	.000	.000	.000	.000	.000	-.414	.415	.000
VEL-W	.000	1.227	.000	.000	.000	.000	.000	.000	1.496	.000

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.282	.255	.246	.065	.000	.000	.000	.303	.262	.254
ELEVATION	1403.282	1403.255	1402.246	1403.065	1399.000	1390.000	1393.000	1390.303	1391.262	1394.254
VEL-N	.000	-.084	.000	.000	.000	.000	.000	-.422	-.816	-.665
VEL-E	.000	-1.320	.000	.000	.000	.000	.000	-1.434	.000	-1.479
VEL-S	.084	.000	.000	.000	.000	.000	.000	.000	.422	.816
VEL-W	1.479	.000	1.434	.000	.000	.000	.000	1.381	1.116	1.631

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.247	.251	.256	.244	.251	.249	.246	.105	.071	.000

ELEVATION	1396.247	1395.251	1393.256	1395.244	1394.251	1394.249	1392.246	1388.105	1353.071	1362.000
VEL-N	.417	.586	-.663	.535	.000	.000	.000	.000	-.148	.000
VEL-E	.000	-1.496	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.665	-.417	-.586	.663	-.535	.000	.000	.000	.000	.000
VEL-W	1.008	1.244	1.180	1.398	.000	.000	.000	.000	.000	.000

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.249	.000	.000	.247	.243	.250	.252	.401	.255	.244
ELEVATION	1361.249	1371.000	1380.000	1383.247	1385.243	1387.250	1386.252	1385.401	1386.255	1390.244
VEL-N	-.110	.000	.000	.000	.000	.000	.000	.000	.390	.000
VEL-E	.000	.000	.000	.000	.000	.000	-1.398	-1.180	-1.244	-1.008
VEL-S	.000	.000	.000	.000	.000	.000	.000	-.390	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	1.332	1.180	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.312	.253	.288	.000	.000	.249	.250	.299	.245	.340
ELEVATION	1382.312	1384.253	1383.288	1388.000	1379.000	1370.249	1372.250	1373.299	1374.245	1374.340
VEL-N	.000	.000	.000	.000	.000	.000	-.580	-.522	-.179	.000
VEL-E	-1.631	-1.116	-1.381	.000	.000	.000	.000	-1.858	.000	-1.528
VEL-S	.000	.000	.000	.000	.000	.000	.000	.580	.522	.179
VEL-W	1.528	.000	1.858	.000	.000	.000	.000	1.775	1.501	1.620

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.248	.253	.258	.249	.211	.250	.249	.000	.000	.005
ELEVATION	1379.248	1378.253	1378.258	1377.250	1381.211	1377.250	1375.249	1393.000	1400.000	1374.005
VEL-N	.000	-.042	.420	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	-1.180	-1.332	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.042	-.420	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	1.401	.000	.000	.000	.000	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.011	.064	.250	.247	.337	.305	.247	.269	.252
ELEVATION	1365.000	1367.011	1369.064	1366.250	1368.247	1367.337	1367.305	1368.247	1367.269	1366.252
VEL-N	.000	.000	.000	.000	.588	-.401	-.082	.000	.000	-.550
VEL-E	.000	.000	.000	.000	.000	-1.401	.000	.000	-1.620	-1.501
VEL-S	.000	.000	.000	-.588	.401	.082	.000	.000	.550	.000
VEL-W	.000	.000	.000	.000	1.037	1.237	1.100	.000	1.551	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.283	.307	.296	.310	.246	.250	.252	.249	.355	.245
ELEVATION	1364.283	1361.307	1354.296	1355.311	1358.246	1359.250	1359.252	1361.250	1361.355	1363.245
VEL-N	.000	-.878	-.474	-.804	-.534	.000	-.587	-.153	.000	.000
VEL-E	-1.775	.000	-1.248	-1.525	.000	-1.551	.000	-1.100	-1.237	-1.037
VEL-S	.878	.110	.450	.474	.804	.534	.000	.587	.153	.000
VEL-W	1.525	1.248	1.534	1.482	1.477	1.413	.000	1.245	1.425	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.249	.000	.000	.000	.000	.000	.000	.250	.251	.252
ELEVATION	1360.249	1368.000	1357.000	1358.000	1343.000	1343.000	1343.000	1349.250	1350.251	1352.252
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.755
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1.425
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	-.755	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.315

NODE	241	242	243	244	245	246
DEPTH	.253	.245	.247	.257	.700	.676
ELEVATION	1352.253	1352.245	1352.247	1348.257	1345.700	1345.676
VEL-N	.000	.000	.000	-.933	.000	-.144
VEL-E	-1.245	.000	-1.413	-1.477	-1.482	-1.534
VEL-S	.000	.000	.933	.000	.144	.000

VEL-W	1.481	1.474	1.688	.000	1.345	1.642

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
90	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 90 IS EQUAL TO 4145.80

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	5.757	4.642	6.261	.000	.000	.000	.000	.000	.000	5.027
ELEVATION	1339.756	1338.642	1339.261	.000	.000	.000	.000	.000	.000	1338.027

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	5.092	.000	.000	.000	.000	.000	.000	.000	4.497	5.056
ELEVATION	1338.092	.000	.000	.000	.000	.000	.000	.000	1337.497	1337.056

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	4.486	3.518	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1336.486	1334.518	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	3.287	4.677
ELEVATION	.000	.000	.000	.000	.000	.000	.000	.000	1333.287	1332.677

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	4.378	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1332.378	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	3.961	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1331.961	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	3.243	.000	.000	.000	.000	.000
ELEVATION	.000	.000	.000	.000	1331.243	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.812
ELEVATION	.000	.000	.000	.000	.000	.000	.000	.000	.000	1328.812

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	5.836	5.117	6.016	4.969	.000	.000
ELEVATION	.000	.000	.000	.000	1339.837	1339.117	1340.016	1338.969	.000	.000

MIN. TIMESTEP(SEC.) = 11.00 MAX. TIMESTEP(SEC.) = 13.50 MEAN TIMESTEP(SEC.) = 12.44

MODEL TIME(HOURS) = 4.00 (SECONDS) = .144E+05 (TOTAL TIMESTEP NUMBER) = 1.2E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 132.30

NODE	1	2	3	4	5	6	7	8	9	10

DEPTH	.000	.250	.250	.000	.248	.248	.000	.000	.000	.250
ELEVATION	1343.000	1343.250	1342.250	1561.000	1558.248	1558.248	1688.000	1555.000	1553.000	1342.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	-1.412	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.250	.000	.000	.248	.248	.249	.248	.000	.250	.250
ELEVATION	1342.250	1537.000	1541.000	1540.248	1541.248	1541.249	1541.248	1542.000	1342.250	1341.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.250	.250	.000	.244	.249	.246	.248	.000	.000	.000
ELEVATION	1341.250	1340.250	1530.000	1529.244	1529.249	1527.246	1523.248	1524.000	1523.000	1518.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	-1.087	-1.336	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.047	.248	.249	.250	.244	.247	.248	.000	.250	.000
ELEVATION	1503.047	1505.248	1506.249	1510.250	1512.244	1513.247	1515.248	1518.000	1339.250	1337.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.246	.247	.247	.247	.245	.245	.241	.207
ELEVATION	1342.000	1501.000	1500.246	1504.247	1502.246	1500.247	1497.245	1495.245	1494.241	1493.207
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.250	.247	.245	.244	.246	.248	.250	.245	.137
ELEVATION	1481.000	1480.250	1483.247	1483.245	1488.244	1489.246	1489.248	1486.250	1484.245	1480.137
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.174	.244	.249	.249	.249	.250	.250	.245
ELEVATION	1337.000	1457.000	1469.174	1472.244	1474.249	1478.249	1478.249	1475.250	1470.250	1470.245
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.247	.243	.245	.020	.000	.000	.000	.246	.247	.245
ELEVATION	1468.247	1467.243	1466.245	1460.020	1337.000	1449.000	1455.000	1453.246	1456.247	1458.245
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.247	.246	.247	.247	.249	.249	.247	.248	.004	.000
ELEVATION	1457.247	1459.246	1460.247	1462.247	1463.249	1459.249	1456.247	1454.248	1450.004	1336.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.096	.245	.248	.246	.250	.248	.245	.248	.248
ELEVATION	1344.000	1438.096	1441.245	1443.248	1447.246	1450.250	1450.248	1448.245	1447.248	1447.248
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.243	.248	.246	.164	.000	.018	.248	.242	.249	.245
ELEVATION	1446.243	1443.248	1442.246	1440.164	1438.000	1427.018	1428.248	1430.242	1432.249	1433.245
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.248	.249	.248	.242	.246	.246	.247	.248	.067	.000
ELEVATION	1435.248	1436.249	1439.248	1440.242	1439.246	1434.246	1435.247	1431.248	1429.067	1344.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.035	.248	.244	.245	.248	.245	.244	.249	.247
ELEVATION	1349.000	1419.035	1420.248	1423.244	1424.245	1423.248	1424.245	1428.244	1425.249	1424.247
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.247	.247	.245	.247	.003	.029	.248	.249	.247	.249
ELEVATION	1423.247	1421.247	1420.245	1420.247	1418.003	1408.029	1410.248	1410.249	1411.247	1416.249
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.247	.247	.249	.246	.248	.248	.243	.188	.000	.000
ELEVATION	1417.247	1417.247	1417.249	1418.246	1416.248	1413.248	1413.243	1411.188	1348.000	1347.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160

DEPTH	.248	.248	.030	.246	.249	.247	.250	.243	.246	.246
ELEVATION	1346.248	1353.248	1401.030	1401.246	1403.249	1406.247	1405.250	1407.243	1408.246	1407.246
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.249	.247	.246	.065	.000	.000	.000	.246	.247	.242
ELEVATION	1403.249	1403.247	1402.246	1403.065	1399.000	1390.000	1393.000	1390.246	1391.246	1394.242
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.246	.244	.247	.246	.250	.249	.246	.105	.079	.000
ELEVATION	1396.246	1395.244	1393.248	1395.246	1394.250	1394.249	1392.246	1388.105	1353.079	1362.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.247	.000	.000	.247	.246	.246	.246	.249	.245	.238
ELEVATION	1361.247	1371.000	1380.000	1383.247	1385.246	1387.246	1386.246	1385.249	1386.245	1390.238
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.246	.244	.244	.000	.000	.248	.249	.249	.245	.248
ELEVATION	1382.246	1384.244	1383.244	1388.000	1379.000	1370.248	1372.249	1373.249	1374.245	1374.248
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.241	.249	.247	.248	.215	.250	.249	.000	.000	.005
ELEVATION	1379.241	1378.249	1378.247	1377.248	1381.215	1377.250	1375.249	1393.000	1400.000	1374.005
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.011	.064	.247	.248	.256	.248	.249	.247	.245
ELEVATION	1365.000	1367.011	1369.064	1366.247	1368.248	1367.256	1367.248	1368.249	1367.247	1366.245
VEL-N	.000	.000	.000	.000	.000	.000	-.046	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.046	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	1.040	.000	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.242	.246	.244	.250	.248	.245	.248	.249	.292	.237
ELEVATION	1364.242	1361.246	1354.244	1355.250	1358.248	1359.245	1359.248	1361.249	1361.292	1363.237
VEL-N	.000	.000	.000	.000	.000	.000	.000	-.093	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	-1.040	.000

VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.093	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	1.317	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.244	.000	.000	.000	.000	.000	.000	.250	.244	.255
ELEVATION	1360.244	1368.000	1357.000	1358.000	1343.000	1343.000	1343.000	1349.250	1350.244	1352.255
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.623	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1.317
VEL-S	.000	.000	.000	.000	.000	.000	.000	-.623	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	1.412	.000

NODE	241	242	243	244	245	246
DEPTH	.245	.245	.241	.248	.465	.448
ELEVATION	1352.245	1352.245	1352.241	1348.248	1345.465	1345.448
VEL-N	.000	.000	.000	.000	.000	-.094
VEL-E	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.094	.000
VEL-W	.000	.000	.000	.000	1.087	1.336

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
90	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 90 IS EQUAL TO 3402.94

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	4.375	4.856	4.707	.000	.000	.000	.000	.000	.000	4.797
ELEVATION	1338.375	1338.856	1337.707	.000	.000	.000	.000	.000	.000	1337.797

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	4.227	.000	.000	.000	.000	.000	.000	.000	3.877	4.335
ELEVATION	1337.227	.000	.000	.000	.000	.000	.000	.000	1336.877	1336.335

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	3.792	2.959	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1335.792	1333.959	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	2.760	4.191
ELEVATION	.000	.000	.000	.000	.000	.000	.000	.000	1332.760	1332.191

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	3.942	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1331.942	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	3.577	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1331.577	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	2.928	.000	.000	.000	.000	.000
ELEVATION	.000	.000	.000	.000	1330.928	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.588
ELEVATION	.000	.000	.000	.000	.000	.000	.000	.000	.000	1328.588

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	5.018	5.580	4.611	5.416	.000	.000
EVATION	.000	.000	.000	.000	1339.018	1339.580	1338.611	1339.416	.000	.000

MIN. TIMESTEP(SEC.) = 13.00 MAX. TIMESTEP(SEC.) = 15.50 MEAN TIMESTEP(SEC.) = 14.33

MODEL TIME(HOURS) = 4.25 (SECONDS) = .153E+05 (TOTAL TIMESTEP NUMBER) = 1.3E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 132.30

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.250	.250	.000	.248	.248	.000	.000	.000	.250
ELEVATION	1343.000	1343.250	1342.250	1561.000	1558.248	1558.248	1688.000	1555.000	1553.000	1342.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.250	.000	.000	.248	.248	.249	.248	.000	.250	.250
ELEVATION	1342.250	1537.000	1541.000	1540.248	1541.248	1541.249	1541.248	1542.000	1342.250	1341.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.250	.250	.000	.244	.249	.246	.248	.000	.000	.000
ELEVATION	1341.250	1340.250	1530.000	1529.244	1529.249	1527.246	1523.248	1524.000	1523.000	1518.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.047	.248	.249	.250	.244	.247	.248	.000	.250	.000
ELEVATION	1503.047	1505.248	1506.249	1510.250	1512.244	1513.247	1515.248	1518.000	1339.250	1337.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.246	.247	.247	.247	.245	.245	.241	.207
ELEVATION	1342.000	1501.000	1500.246	1504.247	1502.246	1500.247	1497.245	1495.245	1494.241	1493.207
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.250	.247	.245	.244	.246	.248	.250	.245	.137
ELEVATION	1481.000	1480.250	1483.247	1483.245	1488.244	1489.246	1489.248	1486.250	1484.245	1480.137
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.174	.244	.249	.249	.249	.250	.250	.245
ELEVATION	1337.000	1457.000	1469.174	1472.244	1474.249	1478.249	1478.249	1475.250	1470.250	1470.245
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.247	.243	.245	.020	.000	.000	.000	.246	.247	.245
ELEVATION	1468.247	1467.243	1466.245	1460.020	1337.000	1449.000	1455.000	1453.246	1456.247	1458.245
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.247	.246	.247	.247	.249	.249	.247	.248	.004	.000
ELEVATION	1457.247	1459.246	1460.247	1462.247	1463.249	1459.249	1456.247	1454.248	1450.004	1336.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.096	.245	.248	.246	.250	.248	.245	.248	.248
ELEVATION	1344.000	1438.096	1441.245	1443.248	1447.246	1450.250	1450.248	1448.245	1447.248	1447.248
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.243	.248	.246	.164	.000	.018	.248	.242	.249	.245
ELEVATION	1446.243	1443.248	1442.246	1440.164	1438.000	1427.018	1428.248	1430.242	1432.249	1433.245
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.248	.249	.248	.242	.246	.246	.247	.248	.067	.000
ELEVATION	1435.248	1436.249	1439.248	1440.242	1439.246	1434.246	1435.247	1431.248	1429.067	1344.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.035	.248	.244	.245	.248	.245	.244	.249	.247
ELEVATION	1349.000	1419.035	1420.248	1423.244	1424.245	1423.248	1424.245	1428.244	1425.249	1424.247
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.247	.247	.245	.247	.003	.029	.248	.249	.247	.249
ELEVATION	1423.247	1421.247	1420.245	1420.247	1418.003	1408.029	1410.248	1410.249	1411.247	1416.249
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.247	.247	.249	.246	.248	.248	.243	.188	.000	.000
ELEVATION	1417.247	1417.247	1417.249	1418.246	1416.248	1413.248	1413.243	1411.188	1348.000	1347.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.248	.248	.030	.246	.249	.247	.250	.243	.246	.246
ELEVATION	1346.248	1353.248	1401.030	1401.246	1403.249	1406.247	1405.250	1407.243	1408.246	1407.246
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.249	.247	.246	.065	.000	.000	.000	.246	.247	.242
ELEVATION	1403.249	1403.247	1402.246	1403.065	1399.000	1390.000	1393.000	1390.246	1391.246	1394.242
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.246	.244	.247	.246	.250	.249	.246	.105	.079	.000
ELEVATION	1396.246	1395.244	1393.248	1395.246	1394.250	1394.249	1392.246	1388.105	1353.079	1362.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.247	.000	.000	.247	.246	.246	.246	.249	.245	.238
ELEVATION	1361.247	1371.000	1380.000	1383.247	1385.246	1387.246	1386.246	1385.249	1386.245	1390.238
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.246	.244	.244	.000	.000	.248	.249	.249	.245	.248
ELEVATION	1382.246	1384.244	1383.244	1388.000	1379.000	1370.248	1372.249	1373.249	1374.245	1374.248
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.241	.249	.247	.248	.215	.250	.249	.000	.000	.005
ELEVATION	1379.241	1378.249	1378.247	1377.248	1381.215	1377.250	1375.249	1393.000	1400.000	1374.005
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.011	.064	.247	.248	.248	.248	.249	.247	.245
ELEVATION	1365.000	1367.011	1369.064	1366.247	1368.248	1367.248	1367.248	1368.249	1367.247	1366.245
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.242	.246	.244	.250	.248	.245	.246	.244	.250	.237
ELEVATION	1364.242	1361.246	1354.244	1355.250	1358.248	1359.245	1359.246	1361.244	1361.250	1363.237
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.244	.000	.000	.000	.000	.000	.000	.250	.249	.246
ELEVATION	1360.244	1368.000	1357.000	1358.000	1343.000	1343.000	1343.000	1349.250	1350.249	1352.246
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	241	242	243	244	245	246
DEPTH	.250	.249	.241	.248	.247	.245
ELEVATION	1352.250	1352.250	1352.241	1348.248	1345.247	1345.245
VEL-N	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
90	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 90 IS EQUAL TO 2480.15

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	3.191	3.197	3.770	.000	.000	.000	.000	.000	.000	3.688
ELEVATION	1337.191	1337.197	1336.770	.000	.000	.000	.000	.000	.000	1336.688

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	3.383	.000	.000	.000	.000	.000	.000	.000	2.952	3.369
ELEVATION	1336.383	.000	.000	.000	.000	.000	.000	.000	1335.952	1335.369

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	2.716	1.889	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1334.716	1332.890	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	1.909	3.447

ELEVATION	.000	.000	.000	.000	.000	.000	.000	.000	1331.909	1331.447

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	3.283	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1331.283	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	3.010	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1331.010	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	2.473	.000	.000	.000	.000	.000
ELEVATION	.000	.000	.000	.000	1330.473	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.286
ELEVATION	.000	.000	.000	.000	.000	.000	.000	.000	.000	1328.286

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	4.167	4.719	3.600	4.131	.000	.000
ELEVATION	.000	.000	.000	.000	1338.167	1338.719	1337.600	1338.131	.000	.000

MIN. TIMESTEP(SEC.) = 15.00 MAX. TIMESTEP(SEC.) = 21.50 MEAN TIMESTEP(SEC.) = 17.94

MODEL TIME(HOURS) = 4.50 (SECONDS) = .162E+05 (TOTAL TIMESTEP NUMBER) = 1.3E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 132.30

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.250	.250	.000	.248	.248	.000	.000	.000	.250
ELEVATION	1343.000	1343.250	1342.250	1561.000	1558.248	1558.248	1688.000	1555.000	1553.000	1342.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.250	.000	.000	.248	.248	.249	.248	.000	.250	.250
ELEVATION	1342.250	1537.000	1541.000	1540.248	1541.248	1541.249	1541.248	1542.000	1342.250	1341.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.250	.250	.000	.244	.249	.246	.248	.000	.000	.000
ELEVATION	1341.250	1340.250	1530.000	1529.244	1529.249	1527.246	1523.248	1524.000	1523.000	1518.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.047	.248	.249	.250	.244	.247	.248	.000	.250	.000
ELEVATION	1503.047	1505.248	1506.249	1510.250	1512.244	1513.247	1515.248	1518.000	1339.250	1337.000

VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.246	.247	.247	.247	.245	.245	.241	.207
ELEVATION	1342.000	1501.000	1500.246	1504.247	1502.246	1500.247	1497.245	1495.245	1494.241	1493.207
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.250	.247	.245	.244	.246	.248	.250	.245	.137
ELEVATION	1481.000	1480.250	1483.247	1483.245	1488.244	1489.246	1489.248	1486.250	1484.245	1480.137
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.174	.244	.249	.249	.249	.250	.250	.245
ELEVATION	1337.000	1457.000	1469.174	1472.244	1474.249	1478.249	1478.249	1475.250	1470.250	1470.245
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.247	.243	.245	.020	.000	.000	.000	.246	.247	.245
ELEVATION	1468.247	1467.243	1466.245	1460.020	1337.000	1449.000	1455.000	1453.246	1456.247	1458.245
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.247	.246	.247	.247	.249	.249	.247	.248	.004	.000
ELEVATION	1457.247	1459.246	1460.247	1462.247	1463.249	1459.249	1456.247	1454.248	1450.004	1336.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.096	.245	.248	.246	.250	.248	.245	.248	.248
ELEVATION	1344.000	1438.096	1441.245	1443.248	1447.246	1450.250	1450.248	1448.245	1447.248	1447.248
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.243	.248	.246	.164	.000	.018	.248	.242	.249	.245
ELEVATION	1446.243	1443.248	1442.246	1440.164	1438.000	1427.018	1428.248	1430.242	1432.249	1433.245
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.248	.249	.248	.242	.246	.246	.247	.248	.067	.000
ELEVATION	1435.248	1436.249	1439.248	1440.242	1439.246	1434.246	1435.247	1431.248	1429.067	1344.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.035	.248	.244	.245	.248	.245	.244	.249	.247
ELEVATION	1349.000	1419.035	1420.248	1423.244	1424.245	1423.248	1424.245	1428.244	1425.249	1424.247
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.247	.247	.245	.247	.003	.029	.248	.249	.247	.249
ELEVATION	1423.247	1421.247	1420.245	1420.247	1418.003	1408.029	1410.248	1410.249	1411.247	1416.249
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.247	.247	.249	.246	.248	.248	.243	.188	.000	.000
ELEVATION	1417.247	1417.247	1417.249	1418.246	1416.248	1413.248	1413.243	1411.188	1348.000	1347.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.248	.248	.030	.246	.249	.247	.250	.243	.246	.246
ELEVATION	1346.248	1353.248	1401.030	1401.246	1403.249	1406.247	1405.250	1407.243	1408.246	1407.246
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.249	.247	.246	.065	.000	.000	.000	.246	.247	.242
ELEVATION	1403.249	1403.247	1402.246	1403.065	1399.000	1390.000	1393.000	1390.246	1391.246	1394.242
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.246	.244	.247	.246	.250	.249	.246	.105	.079	.000
ELEVATION	1396.246	1395.244	1393.248	1395.246	1394.250	1394.249	1392.246	1388.105	1353.079	1362.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.247	.000	.000	.247	.246	.246	.246	.249	.245	.238
ELEVATION	1361.247	1371.000	1380.000	1383.247	1385.246	1387.246	1386.246	1385.249	1386.245	1390.238

VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.246	.244	.244	.000	.000	.248	.249	.249	.245	.248
ELEVATION	1382.246	1384.244	1383.244	1388.000	1379.000	1370.248	1372.249	1373.249	1374.245	1374.248
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.241	.249	.247	.248	.215	.250	.249	.000	.000	.005
ELEVATION	1379.241	1378.249	1378.247	1377.248	1381.215	1377.250	1375.249	1393.000	1400.000	1374.005
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.011	.064	.247	.248	.248	.248	.249	.247	.245
ELEVATION	1365.000	1367.011	1369.064	1366.247	1368.248	1367.248	1367.248	1368.249	1367.247	1366.245
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.242	.246	.244	.250	.248	.245	.246	.244	.250	.237
ELEVATION	1364.242	1361.246	1354.244	1355.250	1358.248	1359.245	1359.246	1361.244	1361.250	1363.237
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.244	.000	.000	.000	.000	.000	.000	.250	.249	.246
ELEVATION	1360.244	1368.000	1357.000	1358.000	1343.000	1343.000	1343.000	1349.250	1350.249	1352.246
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	241	242	243	244	245	246
DEPTH	.250	.249	.241	.248	.247	.245
ELEVATION	1352.250	1352.250	1352.241	1348.248	1345.247	1345.245
VEL-N	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
90	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 90 IS EQUAL TO 1565.04

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	2.882	2.334	3.148	.000	.000	.000	.000	.000	.000	2.906
ELEVATION	1336.882	1336.334	1336.148	.000	.000	.000	.000	.000	.000	1335.906

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	2.649	.000	.000	.000	.000	.000	.000	.000	2.196	2.633
ELEVATION	1335.649	.000	.000	.000	.000	.000	.000	.000	1335.196	1334.633

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	2.078	1.352	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1334.078	1332.352	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	1.220	2.704
ELEVATION	.000	.000	.000	.000	.000	.000	.000	.000	1331.220	1330.703

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	2.586	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1330.586	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	2.379	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1330.379	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	1.950	.000	.000	.000	.000	.000
ELEVATION	.000	.000	.000	.000	1329.950	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.946
ELEVATION	.000	.000	.000	.000	.000	.000	.000	.000	.000	1327.946

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	3.837	2.982	3.751	2.697	.000	.000
ELEVATION	.000	.000	.000	.000	1337.838	1336.982	1337.751	1336.697	.000	.000

MIN. TIMESTEP(SEC.) = 22.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 25.94

MODEL TIME(HOURS) = 4.75 (SECONDS) = .171E+05 (TOTAL TIMESTEP NUMBER) = 1.3E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 132.30

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.250	.250	.000	.248	.248	.000	.000	.000	.250
ELEVATION	1343.000	1343.250	1342.250	1561.000	1558.248	1558.248	1688.000	1555.000	1553.000	1342.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.250	.000	.000	.248	.248	.249	.248	.000	.250	.250

ELEVATION	1342.250	1537.000	1541.000	1540.248	1541.248	1541.249	1541.248	1542.000	1342.250	1341.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.250	.250	.000	.244	.249	.246	.248	.000	.000	.000
ELEVATION	1341.250	1340.250	1530.000	1529.244	1529.249	1527.246	1523.248	1524.000	1523.000	1518.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.047	.248	.249	.250	.244	.247	.248	.000	.250	.000
ELEVATION	1503.047	1505.248	1506.249	1510.250	1512.244	1513.247	1515.248	1518.000	1339.250	1337.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.246	.247	.247	.247	.245	.245	.241	.207
ELEVATION	1342.000	1501.000	1500.246	1504.247	1502.246	1500.247	1497.245	1495.245	1494.241	1493.207
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.250	.247	.245	.244	.246	.248	.250	.245	.137
ELEVATION	1481.000	1480.250	1483.247	1483.245	1488.244	1489.246	1489.248	1486.250	1484.245	1480.137
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.174	.244	.249	.249	.249	.250	.250	.245
ELEVATION	1337.000	1457.000	1469.174	1472.244	1474.249	1478.249	1478.249	1475.250	1470.250	1470.245
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.247	.243	.245	.020	.000	.000	.000	.246	.247	.245
ELEVATION	1468.247	1467.243	1466.245	1460.020	1337.000	1449.000	1455.000	1453.246	1456.247	1458.245
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.247	.246	.247	.247	.249	.249	.247	.248	.004	.000
ELEVATION	1457.247	1459.246	1460.247	1462.247	1463.249	1459.249	1456.247	1454.248	1450.004	1336.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.096	.245	.248	.246	.250	.248	.245	.248	.248
ELEVATION	1344.000	1438.096	1441.245	1443.248	1447.246	1450.250	1450.248	1448.245	1447.248	1447.248
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.243	.248	.246	.164	.000	.018	.248	.242	.249	.245
ELEVATION	1446.243	1443.248	1442.246	1440.164	1438.000	1427.018	1428.248	1430.242	1432.249	1433.245
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.248	.249	.248	.242	.246	.246	.247	.248	.067	.000
ELEVATION	1435.248	1436.249	1439.248	1440.242	1439.246	1434.246	1435.247	1431.248	1429.067	1344.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.035	.248	.244	.245	.248	.245	.244	.249	.247
ELEVATION	1349.000	1419.035	1420.248	1423.244	1424.245	1423.248	1424.245	1428.244	1425.249	1424.247
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.247	.247	.245	.247	.003	.029	.248	.249	.247	.249
ELEVATION	1423.247	1421.247	1420.245	1420.247	1418.003	1408.029	1410.248	1410.249	1411.247	1416.249
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.247	.247	.249	.246	.248	.248	.243	.188	.000	.000
ELEVATION	1417.247	1417.247	1417.249	1418.246	1416.248	1413.248	1413.243	1411.188	1348.000	1347.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.248	.248	.030	.246	.249	.247	.250	.243	.246	.246
ELEVATION	1346.248	1353.248	1401.030	1401.246	1403.249	1406.247	1405.250	1407.243	1408.246	1407.246
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.249	.247	.246	.065	.000	.000	.000	.246	.247	.242

ELEVATION	1403.249	1403.247	1402.246	1403.065	1399.000	1390.000	1393.000	1390.246	1391.246	1394.242
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.246	.244	.247	.246	.250	.249	.246	.105	.079	.000
ELEVATION	1396.246	1395.244	1393.248	1395.246	1394.250	1394.249	1392.246	1388.105	1353.079	1362.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.247	.000	.000	.247	.246	.246	.246	.249	.245	.238
ELEVATION	1361.247	1371.000	1380.000	1383.247	1385.246	1387.246	1386.246	1385.249	1386.245	1390.238
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.246	.244	.244	.000	.000	.248	.249	.249	.245	.248
ELEVATION	1382.246	1384.244	1383.244	1388.000	1379.000	1370.248	1372.249	1373.249	1374.245	1374.248
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.241	.249	.247	.248	.215	.250	.249	.000	.000	.005
ELEVATION	1379.241	1378.249	1378.247	1377.248	1381.215	1377.250	1375.249	1393.000	1400.000	1374.005
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.011	.064	.247	.248	.248	.248	.249	.247	.245
ELEVATION	1365.000	1367.011	1369.064	1366.247	1368.248	1367.248	1367.248	1368.249	1367.247	1366.245
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.242	.246	.244	.250	.248	.245	.246	.244	.250	.237
ELEVATION	1364.242	1361.246	1354.244	1355.250	1358.248	1359.245	1359.246	1361.244	1361.250	1363.237
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.244	.000	.000	.000	.000	.000	.000	.250	.249	.246
ELEVATION	1360.244	1368.000	1357.000	1358.000	1343.000	1343.000	1343.000	1349.250	1350.249	1352.246
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	241	242	243	244	245	246
DEPTH	.250	.249	.241	.248	.247	.245
ELEVATION	1352.250	1352.250	1352.241	1348.248	1345.247	1345.245
VEL-N	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
90	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 90 IS EQUAL TO 1034.92

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	2.182	1.933	2.690	.000	.000	.000	.000	.000	.000	2.541
ELEVATION	1336.182	1335.933	1335.690	.000	.000	.000	.000	.000	.000	1335.541

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	2.321	.000	.000	.000	.000	.000	.000	.000	1.919	2.374
ELEVATION	1335.321	.000	.000	.000	.000	.000	.000	.000	1334.919	1334.374

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	1.853	1.216	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1333.853	1332.216	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.898	2.242
ELEVATION	.000	.000	.000	.000	.000	.000	.000	.000	1330.898	1330.242

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	2.138	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1330.138	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	1.960	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1329.960	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	1.592	.000	.000	.000	.000	.000
ELEVATION	.000	.000	.000	.000	1329.592	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.718
ELEVATION	.000	.000	.000	.000	.000	.000	.000	.000	.000	1327.718

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	2.878	2.490	2.682	2.207	.000	.000
ELEVATION	.000	.000	.000	.000	1336.878	1336.490	1336.682	1336.207	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 5.00 (SECONDS) = .180E+05 (TOTAL TIMESTEP NUMBER) = 1.4E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 132.30

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.250	.250	.000	.248	.248	.000	.000	.000	.250
ELEVATION	1343.000	1343.250	1342.250	1561.000	1558.248	1558.248	1688.000	1555.000	1553.000	1342.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.250	.000	.000	.248	.248	.249	.248	.000	.250	.250
ELEVATION	1342.250	1537.000	1541.000	1540.248	1541.248	1541.249	1541.248	1542.000	1342.250	1341.250
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.250	.250	.000	.244	.249	.246	.248	.000	.000	.000
ELEVATION	1341.250	1340.250	1530.000	1529.244	1529.249	1527.246	1523.248	1524.000	1523.000	1518.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.047	.248	.249	.250	.244	.247	.248	.000	.250	.000
ELEVATION	1503.047	1505.248	1506.249	1510.250	1512.244	1513.247	1515.248	1518.000	1339.250	1337.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.246	.247	.247	.247	.245	.245	.241	.207
ELEVATION	1342.000	1501.000	1500.246	1504.247	1502.246	1500.247	1497.245	1495.245	1494.241	1493.207
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.250	.247	.245	.244	.246	.248	.250	.245	.137
ELEVATION	1481.000	1480.250	1483.247	1483.245	1488.244	1489.246	1489.248	1486.250	1484.245	1480.137
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.174	.244	.249	.249	.249	.250	.250	.245
ELEVATION	1337.000	1457.000	1469.174	1472.244	1474.249	1478.249	1478.249	1475.250	1470.250	1470.245
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.247	.243	.245	.020	.000	.000	.000	.246	.247	.245
ELEVATION	1468.247	1467.243	1466.245	1460.020	1337.000	1449.000	1455.000	1453.246	1456.247	1458.245
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.247	.246	.247	.247	.249	.249	.247	.248	.004	.000
ELEVATION	1457.247	1459.246	1460.247	1462.247	1463.249	1459.249	1456.247	1454.248	1450.004	1336.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.096	.245	.248	.246	.250	.248	.245	.248	.248
ELEVATION	1344.000	1438.096	1441.245	1443.248	1447.246	1450.250	1450.248	1448.245	1447.248	1447.248
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.243	.248	.246	.164	.000	.018	.248	.242	.249	.245
ELEVATION	1446.243	1443.248	1442.246	1440.164	1438.000	1427.018	1428.248	1430.242	1432.249	1433.245
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.248	.249	.248	.242	.246	.246	.247	.248	.067	.000
ELEVATION	1435.248	1436.249	1439.248	1440.242	1439.246	1434.246	1435.247	1431.248	1429.067	1344.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.035	.248	.244	.245	.248	.245	.244	.249	.247
ELEVATION	1349.000	1419.035	1420.248	1423.244	1424.245	1423.248	1424.245	1428.244	1425.249	1424.247
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.247	.247	.245	.247	.003	.029	.248	.249	.247	.249
ELEVATION	1423.247	1421.247	1420.245	1420.247	1418.003	1408.029	1410.248	1410.249	1411.247	1416.249
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	141	142	143	144	145	146	147	148	149	150

DEPTH	.247	.247	.249	.246	.248	.248	.243	.188	.000	.000
ELEVATION	1417.247	1417.247	1417.249	1418.246	1416.248	1413.248	1413.243	1411.188	1348.000	1347.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.248	.248	.030	.246	.249	.247	.250	.243	.246	.246
ELEVATION	1346.248	1353.248	1401.030	1401.246	1403.249	1406.247	1405.250	1407.243	1408.246	1407.246
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.249	.247	.246	.065	.000	.000	.000	.246	.247	.242
ELEVATION	1403.249	1403.247	1402.246	1403.065	1399.000	1390.000	1393.000	1390.246	1391.246	1394.242
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.246	.244	.247	.246	.250	.249	.246	.105	.079	.000
ELEVATION	1396.246	1395.244	1393.248	1395.246	1394.250	1394.249	1392.246	1388.105	1353.079	1362.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.247	.000	.000	.247	.246	.246	.246	.249	.245	.238
ELEVATION	1361.247	1371.000	1380.000	1383.247	1385.246	1387.246	1386.246	1385.249	1386.245	1390.238
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.246	.244	.244	.000	.000	.248	.249	.249	.245	.248
ELEVATION	1382.246	1384.244	1383.244	1388.000	1379.000	1370.248	1372.249	1373.249	1374.245	1374.248
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.241	.249	.247	.248	.215	.250	.249	.000	.000	.005
ELEVATION	1379.241	1378.249	1378.247	1377.248	1381.215	1377.250	1375.249	1393.000	1400.000	1374.005
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.011	.064	.247	.248	.248	.248	.249	.247	.245
ELEVATION	1365.000	1367.011	1369.064	1366.247	1368.248	1367.248	1367.248	1368.249	1367.247	1366.245
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.242	.246	.244	.250	.248	.245	.246	.244	.250	.237
ELEVATION	1364.242	1361.246	1354.244	1355.250	1358.248	1359.245	1359.246	1361.244	1361.250	1363.237
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.244	.000	.000	.000	.000	.000	.000	.250	.249	.246
ELEVATION	1360.244	1368.000	1357.000	1358.000	1343.000	1343.000	1343.000	1349.250	1350.249	1352.246
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	241	242	243	244	245	246
DEPTH	.250	.249	.241	.248	.247	.245
ELEVATION	1352.250	1352.250	1352.241	1348.248	1345.247	1345.245
VEL-N	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
90	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 90 IS EQUAL TO 754.72

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	1.776	1.574	2.334	.000	.000	.000	.000	.000	.000	2.208
ELEVATION	1335.776	1335.574	1335.334	.000	.000	.000	.000	.000	.000	1335.208

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	2.011	.000	.000	.000	.000	.000	.000	.000	1.628	2.092
ELEVATION	1335.011	.000	.000	.000	.000	.000	.000	.000	1334.628	1334.092

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	1.610	1.092	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1333.610	1332.092	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.724	1.959
ELEVATION	.000	.000	.000	.000	.000	.000	.000	.000	1330.724	1329.959

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	1.862	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1329.862	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	1.700	.000	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1329.700	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	1.368	.000	.000	.000	.000	.000
ELEVATION	.000	.000	.000	.000	1329.368	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.582
ELEVATION	.000	.000	.000	.000	.000	.000	.000	.000	.000	1327.582

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	2.164	1.995	2.016	1.866	.000	.000
ELEVATION	.000	.000	.000	.000	1336.164	1335.995	1336.016	1335.866	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

==========

MAXIMUM WATER SURFACE VALUES FOR FLOOD PLAIN

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.250	.250	.000	1.416	.518	.000	.000	.000	.250
TIME	5.002	5.002	5.002	5.002	1.012	1.079	5.002	5.002	5.002	5.002

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.250	.000	.000	.264	.768	1.791	.443	.000	.250	.250
TIME	5.002	5.002	5.002	1.204	1.112	1.037	1.096	5.002	5.002	5.002

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.250	.250	.000	.567	.935	.676	.574	.000	.000	.000
TIME	5.002	5.002	5.002	1.129	1.071	1.129	1.246	5.002	5.002	5.002

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.047	.253	.302	.640	.842	1.169	.718	.000	.250	.000
TIME	5.002	2.179	1.329	1.254	1.154	1.146	1.187	5.002	5.002	5.002

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.260	.399	.869	.902	.721	.424	.266	.207
TIME	5.002	5.002	1.196	1.246	1.121	.704	1.262	1.354	2.288	5.002

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.334	.431	1.030	.889	.788	.493	.354	.255	.137
TIME	5.002	1.504	1.271	.871	.779	1.212	1.037	1.287	1.754	5.002

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.174	.265	.460	.472	.534	.738	1.317	.538
TIME	5.002	5.002	5.002	1.846	1.354	1.162	.912	.879	.962	1.062

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.631	.278	.252	.020	.000	.000	.000	.271	.296	.408
TIME	1.412	1.521	2.589	5.002	5.002	5.002	5.002	2.471	1.621	1.529

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	1.034	1.246	.644	.491	.370	.532	.277	.252	.004	.000
TIME	1.154	1.046	1.004	1.079	1.304	1.471	1.829	3.498	5.002	5.002

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.096	.258	.421	.475	.301	.397	.742	1.274	1.058
TIME	5.002	5.002	2.046	1.854	1.621	1.446	1.287	1.154	1.137	1.221

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.482	.374	.273	.164	.000	.018	.252	.277	.387	.673
TIME	1.587	1.762	2.371	5.002	5.002	5.002	3.220	2.388	1.829	1.612

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	1.297	1.275	.677	.272	.268	.516	.277	.266	.067	.000
TIME	1.304	1.246	1.279	1.371	1.846	1.787	1.979	2.438	5.002	5.002

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.035	.259	.286	.385	.386	.489	.441	1.252	1.508
TIME	5.002	5.002	3.113	2.146	1.954	1.904	1.571	1.396	1.354	1.404

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.951	.545	.366	.254	.003	.029	.253	.532	.795	.883
TIME	1.512	1.862	2.229	3.564	5.002	5.002	3.568	2.279	1.721	1.571

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	1.160	1.137	.595	.323	.410	.491	.264	.188	.000	.000
TIME	1.496	1.496	1.579	1.704	1.979	2.121	2.396	5.002	5.002	5.002

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.286	.265	.030	.286	.458	.278	.479	.632	.794	1.008
TIME	3.019	2.790	5.002	2.454	2.263	2.112	1.879	1.679	1.579	1.587

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	1.226	.721	.563	.065	.000	.000	.000	.869	1.155	1.083
TIME	1.654	1.779	2.329	5.002	5.002	5.002	5.002	2.379	1.879	1.737

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.641	.807	.958	.353	.335	.383	.257	.105	.079	.000
TIME	1.704	1.696	1.812	2.054	2.438	2.413	2.638	5.002	5.002	5.002

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.254	.000	.000	.261	.318	.262	.266	1.110	.695	.268
TIME	3.166	5.002	5.002	3.120	2.576	2.504	2.196	1.954	1.846	1.754

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	1.137	.652	.737	.000	.000	.252	.259	.786	.698	1.047
TIME	1.846	1.962	2.154	5.002	5.002	3.811	2.626	2.204	2.054	1.971

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.261	.694	.861	.508	.215	.257	.256	.000	.000	.005
TIME	2.438	2.071	2.071	2.371	5.002	3.211	3.699	5.002	5.002	5.002

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.011	.064	.267	.425	.933	.906	.254	.909	.782
TIME	5.002	5.002	5.002	2.937	2.541	2.221	2.238	3.725	2.062	2.146

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.907	.632	.635	1.033	.769	.743	.462	.724	.806	.256
TIME	2.271	2.471	2.512	2.354	2.238	2.163	2.504	2.379	2.379	2.632

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.257	.000	.000	.000	.000	.000	.000	.250	.456	.660
TIME	3.889	5.002	5.002	5.002	5.002	5.002	5.002	5.002	2.755	2.512

NODE	241	242	243	244	245	246
DEPTH	.638	.466	.451	.754	1.329	1.182
TIME	2.512	2.643	2.271	2.354	2.488	2.827

MAXIMUM WATER SURFACE VALUES FOR CHANNEL

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	6.051	5.987	6.932	.000	.000	.000	.000	.000	.000	6.549
TIME	3.554	3.427	3.297	5.002	5.002	5.002	5.002	5.002	5.002	3.268

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	5.980	.000	.000	.000	.000	.000	.000	.000	5.374	5.887
TIME	3.246	5.002	5.002	5.002	5.002	5.002	5.002	5.002	3.230	3.214

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	5.315	4.289	.000	.000	.000	.000	.000	.000	.000	.000
TIME	2.930	2.995	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	3.892	5.192
TIME	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	3.252	3.293

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	4.826	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	3.309	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	4.340	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	3.328	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	3.543	.000	.000	.000	.000	.000
TIME	5.002	5.002	5.002	5.002	3.344	5.002	5.002	5.002	5.002	5.002

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	2.015
TIME	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	3.372

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

TIME	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002
NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002
NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002
NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002
NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002
NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002
NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002
NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002
NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002
NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002
NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002	5.002
NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	5.890	6.080	6.144	6.151	.000	.000
TIME	5.002	5.002	5.002	5.002	3.608	3.696	3.595	3.551	5.002	5.002
NODE	241	242	243	244	245	246				
DEPTH	.000	.000	.000	.000	.000	.000				
TIME	5.002	5.002	5.002	5.002	5.002	5.002				

*** DIFFUSION ROUTING ***

MIN. TIMESTEP(SEC.) = .50
MAX. TIMESTEP(SEC.) = 30.00
INCREASED TIMESTEP INTERVAL (SEC.) = .50
DECREASED TIMESTEP INTERVAL (SEC.) = .50
TOTAL SIMULATION(HOUR) = 5.00
UPDATE INTERVAL(TIMESTEPS) = 1
OUTPUT INTERVAL(HOUR) = .25
NUMBER OF NODAL POINTS FOR FLOOD PLAIN = 250
UNIFORM GRID SIDE(FEET) = 1000.000
NUMBER OF NODAL POINTS FOR CHANNEL = 14
RETENTION WATER DEPTH(FEET) = .1000
TOLERANCE OF CHANGE IN WATER DEPTH(FEET) = .5000
PERCENTAGE OF CHANGE IN WATER DEPTH = 10.0 %

DHM 5-HOUR SIMULATION
FOR BREACH AT LOCATION C

USED TO PREPARE INUNDATION MAPS

COMPARE TO 8-HOUR SIMULATION-
NEGLIGIBLE DIFFERENCES

SHDBRCHC.OUT : filename

NODAL POINT DATA ENTRY:

*** FLOOD PLAIN INFORMATION ***
NC = CENTRAL GRID NODE
NN,NE,NS,NW = NORTH, EAST, SOUTH, WEST NODAL POINTS
NBAR = NODAL POINT MANNINGS ROUGHNESS COEFFICIENT
(NEGATIVE SIGN INDICATES A CHANNEL PASSING THROUGH)
ELEV = NODAL POINT ELEVATION
DEPTH = INITIAL WATER DEPTH AT NODE

NC	NN	NE	NS	NW	NBAR	ELEV.	DEPTH
1	0	0	2	20	.0250	1565.0	.0
2	1	0	3	19	.0250	1565.0	.0
3	2	0	4	18	.0250	1565.0	.0
4	3	0	5	17	.0250	1566.0	.0
5	4	0	6	16	.0250	1566.0	.0
6	5	0	7	15	.0350	1568.0	.0
7	6	0	8	14	.0250	1568.0	.0
8	7	0	0	13	.0250	1568.0	.0
9	0	0	10	240	.0450	1365.0	.0
10	9	216	219	239	.0450	1367.0	.0
11	0	138	195	0	-.0350	1338.0	.0
12	0	195	196	0	-.0350	1337.0	.0
13	14	8	12	28	.0250	1545.0	.0
14	15	7	13	27	.0350	1541.0	.0
15	16	6	14	26	.0350	1543.0	.0
16	17	5	15	25	.0250	1543.0	.0
17	18	4	16	24	.0250	1548.0	.0
18	19	3	17	23	.0250	1549.0	.0
19	20	2	18	22	.0350	1550.0	.0
20	0	1	19	21	.0250	1550.0	.0
21	0	20	22	40	.0250	1530.0	.0
22	21	19	23	39	.0250	1532.0	.0
23	22	18	24	38	.0250	1534.0	.0
24	23	17	25	37	.0250	1531.0	.0
25	24	16	26	36	.0250	1531.0	.0
26	25	15	27	35	.0250	1530.0	.0
27	26	14	28	34	.0350	1531.0	.0
28	27	13	29	33	.0450	1531.0	.0
29	28	0	30	32	.0450	1533.0	.0

30	29	0	0	31	.0450	1534.0	.0
31	32	30	0	50	.0450	1522.0	.0
32	33	29	31	49	.0350	1521.0	.0
33	34	28	32	48	.0450	1519.0	.0
34	35	27	33	47	.0350	1517.0	.0
35	36	26	34	46	.0250	1516.0	.0
36	37	25	35	45	.0350	1517.0	.0
37	38	24	36	44	.0250	1518.0	.0
38	39	23	37	43	.0250	1520.0	.0
39	40	22	38	42	.0250	1521.0	.0
40	0	21	39	41	.0250	1518.0	.0
41	0	40	42	60	.0250	1503.0	.0
42	41	39	43	59	.0250	1504.0	.0
43	42	38	44	58	.0250	1500.0	.0
44	43	37	45	57	.0350	1503.0	.0
45	44	36	46	56	.0350	1505.0	.0
46	45	35	47	55	.0450	1504.0	.0
47	46	34	48	54	.0450	1506.0	.0
48	47	33	49	53	.0250	1507.0	.0
49	48	32	50	52	.0350	1509.0	.0
50	49	31	0	51	.0350	1510.0	.0
51	52	50	0	72	.0350	1497.0	.0
52	53	49	51	71	.0350	1497.0	.0
53	54	48	52	70	.0200	1650.0	.0
54	55	47	53	69	.0200	1600.0	.0
55	56	46	54	68	.0350	1494.0	.0
56	57	45	55	67	.0450	1489.0	.0
57	58	44	56	66	.0350	1493.0	.0
58	59	43	57	65	.0250	1489.0	.0
59	60	42	58	64	.0250	1493.0	.0
60	0	41	59	63	.0250	1492.0	.0
61	0	0	62	90	.0250	1476.0	.0
62	61	0	63	89	.0250	1476.0	.0
63	62	60	64	88	.0250	1478.0	.0
64	63	59	65	87	.0250	1478.0	.0
65	64	58	66	86	.0250	1479.0	.0
66	65	57	67	85	.0250	1480.0	.0
67	66	56	68	84	.0450	1483.0	.0
68	67	55	69	83	.0250	1540.0	.0
69	68	54	70	82	.0200	1600.0	.0
70	69	53	71	81	.0450	1482.0	.0
71	70	52	72	80	.0450	1483.0	.0
72	71	51	0	79	.0450	1484.0	.0
73	250	233	74	104	.0450	1371.0	.0
74	73	232	75	103	.0450	1373.0	.0
75	74	231	76	78	.0350	1376.0	.0
76	75	230	0	77	.0250	1379.0	.0
77	78	76	0	0	.0250	1372.0	.0
78	103	75	77	0	.0350	1370.0	.0
79	80	72	0	102	.0350	1476.0	.0
80	81	71	79	101	.0350	1475.0	.0
81	82	70	80	100	.0450	1473.0	.0
82	83	69	81	99	.0450	1467.0	.0
83	84	68	82	98	.0450	1470.0	.0
84	85	67	83	97	.0350	1473.0	.0
85	86	66	84	96	.0350	1469.0	.0
86	87	65	85	95	.0250	1464.0	.0
87	88	64	86	94	.0250	1466.0	.0
88	89	63	87	93	.0250	1462.0	.0
89	90	62	88	92	.0250	1461.0	.0

90	0	61	89	91	.0350	1462.0	.0
91	0	90	92	120	.0350	1453.0	.0
92	91	89	93	119	.0250	1450.0	.0
93	92	88	94	118	.0350	1452.0	.0
94	93	87	95	117	.0350	1455.0	.0
95	94	86	96	116	.0450	1458.0	.0
96	95	85	97	115	.0350	1458.0	.0
97	96	84	98	114	.0350	1460.0	.0
98	97	83	99	113	.0450	1462.0	.0
99	98	82	100	112	.0450	1459.0	.0
100	99	81	101	111	.0450	1453.0	.0
101	100	80	102	110	.0450	1456.0	.0
102	101	79	0	109	.0250	1459.0	.0
103	104	74	78	168	.0350	1367.0	.0
104	105	73	103	167	.0450	1364.0	.0
105	106	250	104	166	.0450	1360.0	.0
106	107	249	105	165	.0450	1355.0	.0
107	108	248	106	164	.0450	1354.0	.0
108	133	247	107	163	.0450	1352.0	.0
109	110	102	0	132	.0350	1463.0	.0
110	111	101	109	131	.0450	1458.0	.0
111	112	100	110	130	.0450	1454.0	.0
112	113	99	111	129	.0450	1452.0	.0
113	114	98	112	128	.0450	1451.0	.0
114	115	97	113	127	.0450	1450.0	.0
115	116	96	114	126	.0450	1452.0	.0
116	117	95	115	125	.0350	1448.0	.0
117	118	94	116	124	.0350	1445.0	.0
118	119	93	117	123	.0350	1442.0	.0
119	120	92	118	122	.0250	1440.0	.0
120	0	91	119	121	.0250	1441.0	.0
121	0	120	122	150	.0250	1430.0	.0
122	121	119	123	149	.0250	1430.0	.0
123	122	118	124	148	.0250	1432.0	.0
124	123	117	125	147	.0350	1434.0	.0
125	124	116	126	146	.0450	1436.0	.0
126	125	115	127	145	.0450	1440.0	.0
127	126	114	128	144	.0450	1442.0	.0
128	127	113	129	143	.0450	1438.0	.0
129	128	112	130	142	.0250	1443.0	.0
130	129	111	131	141	.0450	1447.0	.0
131	130	110	132	140	.0350	1451.0	.0
132	131	109	0	139	.0450	1456.0	.0
133	134	246	108	162	.0450	1349.0	.0
134	135	245	133	138	.0450	1345.0	.0
135	136	244	134	137	-.0450	1342.0	.0
136	0	243	135	0	-.0350	1340.0	.0
137	0	135	138	0	-.0350	1339.0	.0
138	137	134	162	11	-.0350	1338.0	.0
139	140	132	0	0	.0350	1447.0	.0
140	141	131	139	161	.0350	1444.0	.0
141	142	130	140	160	.0350	1442.0	.0
142	143	129	141	159	.0450	1437.0	.0
143	144	128	142	158	.0450	1433.0	.0
144	145	127	143	157	.0350	1432.0	.0
145	146	126	144	156	.0450	1428.0	.0
146	147	125	145	155	.0450	1426.0	.0
147	148	124	146	154	.0450	1424.0	.0
148	149	123	147	153	.0350	1422.0	.0
149	150	122	148	152	.0250	1421.0	.0

150	0	121	149	151	.0250	1422.0	.0
151	211	150	152	180	.0350	1413.0	.0
152	151	149	153	179	.0350	1412.0	.0
153	152	148	154	178	.0350	1413.0	.0
154	153	147	155	177	.0450	1416.0	.0
155	154	146	156	176	.0350	1420.0	.0
156	155	145	157	175	.0350	1423.0	.0
157	156	144	158	174	.0450	1424.0	.0
158	157	143	159	173	.0350	1426.0	.0
159	158	142	160	172	.0350	1432.0	.0
160	159	141	161	171	.0350	1435.0	.0
161	160	140	0	0	.0450	1437.0	.0
162	138	133	163	195	.0350	1344.0	.0
163	162	108	164	194	.0350	1346.0	.0
164	163	107	165	193	.0350	1347.0	.0
165	164	106	166	192	.0350	1350.0	.0
166	165	105	167	191	.0350	1353.0	.0
167	166	104	168	170	.0250	1358.0	.0
168	167	103	0	169	.0450	1360.0	.0
169	170	168	0	0	.0250	1354.0	.0
170	191	167	169	0	.0250	1353.0	.0
171	172	160	0	190	.0450	1427.0	.0
172	173	159	171	189	.0450	1422.0	.0
173	174	158	172	188	.0450	1420.0	.0
174	175	157	173	187	.0450	1417.0	.0
175	176	156	174	186	.0250	1415.0	.0
176	177	155	175	185	.0350	1414.0	.0
177	178	154	176	184	.0250	1409.0	.0
178	179	153	177	183	.0250	1406.0	.0
179	180	152	178	182	.0250	1404.0	.0
180	212	151	179	181	.0350	1403.0	.0
181	213	180	182	210	.0350	1393.0	.0
182	181	179	183	209	.0350	1396.0	.0
183	182	178	184	208	.0350	1397.0	.0
184	183	177	185	207	.0250	1400.0	.0
185	184	176	186	206	.0350	1403.0	.0
186	185	175	187	205	.0350	1406.0	.0
187	186	174	188	204	.0350	1411.0	.0
188	187	173	189	203	.0450	1414.0	.0
189	188	172	190	202	.0450	1416.0	.0
190	189	171	0	201	.0450	1421.0	.0
191	192	166	170	0	.0250	1350.0	.0
192	193	165	191	198	.0250	1344.0	.0
193	194	164	192	197	.0350	1343.0	.0
194	195	163	193	196	.0350	1343.0	.0
195	0	162	194	12	-.0350	1337.0	.0
196	12	194	197	0	-.0250	1337.0	.0
197	196	193	198	0	-.0250	1338.0	.0
198	197	192	0	199	-.0250	1337.0	.0
199	0	198	200	0	-.0250	1336.0	.0
200	199	0	0	0	-.0250	1335.0	.0
201	202	190	0	0	.0350	1413.0	.0
202	203	189	201	0	.0250	1412.0	.0
203	204	188	202	228	.0350	1408.0	.0
204	205	187	203	227	.0350	1403.0	.0
205	206	186	204	226	.0350	1398.0	.0
206	207	185	205	225	.0350	1395.0	.0
207	208	184	206	224	.0350	1392.0	.0
208	209	183	207	223	.0350	1390.0	.0
209	210	182	208	222	.0450	1387.0	.0

210	218	181	209	221	.0450	1384.0	.0
211	0	0	151	212	.0450	1409.0	.0
212	0	211	180	213	.0450	1400.0	.0
213	214	212	181	218	.0450	1394.0	.0
214	215	0	213	217	.0350	1389.0	.0
215	0	0	214	216	.0350	1392.0	.0
216	0	215	217	218	.0350	1376.0	.0
217	216	214	218	219	.0450	1378.0	.0
218	217	216	210	220	.0450	1381.0	.0
219	10	217	220	238	.0450	1369.0	.0
220	219	218	221	237	.0450	1373.0	.0
221	220	210	222	236	.0450	1375.0	.0
222	221	209	223	235	.0450	1377.0	.0
223	222	208	224	234	.0450	1382.0	.0
224	223	207	225	233	.0450	1385.0	.0
225	224	206	226	232	.0450	1387.0	.0
226	225	205	227	231	.0450	1392.0	.0
227	226	204	228	230	.0450	1395.0	.0
228	227	203	0	229	.0250	1398.0	.0
229	230	228	0	0	.0250	1392.0	.0
230	231	227	229	76	.0350	1389.0	.0
231	232	226	230	75	.0450	1385.0	.0
232	233	225	231	74	.0450	1382.0	.0
233	234	224	232	73	.0450	1377.0	.0
234	235	223	233	250	.0450	1375.0	.0
235	236	222	234	249	.0350	1371.0	.0
236	237	221	235	248	.0450	1368.0	.0
237	238	220	236	247	.0450	1365.0	.0
238	239	219	237	246	.0450	1362.0	.0
239	240	10	238	245	.0450	1358.0	.0
240	241	9	239	244	.0450	1356.0	.0
241	0	0	240	243	.0350	1355.0	.0
242	0	0	243	0	-.0450	1341.0	.0
243	242	241	244	136	-.0450	1345.0	.0
244	243	240	245	135	.0450	1349.0	.0
245	244	239	246	134	.0450	1353.0	.0
246	245	238	247	133	.0350	1355.0	.0
247	246	237	248	108	.0450	1357.0	.0
248	247	236	249	107	.0450	1359.0	.0
249	248	235	250	106	.0350	1363.0	.0
250	249	234	73	105	.0450	1365.0	.0

INFLOW HYDROGRAPH AT NODE # 5

HOUR	CFS
.0	0.
.5	3600.
1.0	9000.
1.4	9420.
1.5	9300.
2.0	7700.
2.5	6200.
3.0	3400.
3.5	800.
3.8	0.

NUMBER OF CRITICAL-DEPTH OUTFLOW NODES = 1

CRITICAL-DEPTH OUTFLOW NODE NUMBERS:

CHANNEL INFORMATION

NODE	NBAR	WIDTH	DEPTH	BOTTOM	INITIAL DEPTH
11	.0250	300.0	9.0	1329.0	.0
12	.0250	300.0	9.0	1328.0	.0
135	.0200	80.0	11.0	1331.0	.0
136	.0200	80.0	9.0	1331.0	.0
137	.0250	300.0	9.0	1330.0	.0
138	.0250	300.0	9.0	1329.0	.0
195	.0250	300.0	9.0	1328.0	.0
196	.0250	300.0	9.0	1328.0	.0
197	.0250	300.0	9.0	1329.0	.0
198	.0250	300.0	9.0	1328.0	.0
199	.0250	300.0	9.0	1327.0	.0
200	.0250	300.0	9.0	1326.0	.0
242	.0200	80.0	9.0	1332.0	.0
243	.0200	80.0	13.0	1332.0	.0

OUTFLOW IS APPROXIMATED AS THE FOLLOWING EQUATION:

QOUT = ALPHA*(DEPTH)**BETA

OUTFLOW NODE # 200

DEPTH LESS THAN OR EQUAL TO	ALPHA	BETA
9.0	*******	1.500

MODEL TIME(HOURS) = .25 (SECONDS) = .915E+03 (TOTAL TIMESTEP NUMBER) = 6.0E+01

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 1830.00

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.000	.029	.422	.000	.000	.000	.000	.000
ELEVATION	1565.000	1565.000	1565.000	1566.029	1566.422	1568.000	1568.000	1568.000	1365.000	1367.000
VEL-N	.000	.000	.000	.000	.435	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.435	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	4.655	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.000	.004	.358	.000	.000	.000	.000
ELEVATION	1338.000	1337.000	1545.000	1541.000	1543.005	1543.358	1548.000	1549.000	1550.000	1550.000
VEL-N	.000	.000	.000	.000	-.260	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-4.655	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.260	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	2.061	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.042	.000	.000	.000	.000	.000
ELEVATION	1530.000	1532.000	1534.000	1531.000	1531.042	1530.000	1531.000	1531.000	1533.000	1534.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-2.061	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
200	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 200 IS EQUAL TO .00

MIN. TIMESTEP(SEC.) = .50 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 15.25

MODEL TIME(HOURS) = .50 (SECONDS) = .181E+04 (TOTAL TIMESTEP NUMBER) = 9.0E+01

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 3645.00

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.004	.124	.549	.000	.000	.000	.000	.000
ELEVATION	1565.000	1565.000	1565.005	1566.124	1566.549	1568.000	1568.000	1568.000	1365.000	1367.000
VEL-N	.000	.000	.000	.314	.584	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	-.314	-.584	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	1.348	5.986	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.004	.112	.616	.020	.000	.000	.000
ELEVATION	1338.000	1337.000	1545.000	1541.004	1543.112	1543.616	1548.020	1549.000	1550.000	1550.000
VEL-N	.000	.000	.000	-.289	-.558	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-5.986	-1.348	.000	.000	.000
VEL-S	.000	.000	.000	.000	.289	.558	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	1.297	4.632	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.120	.580	.229	.000	.000	.000	.000
ELEVATION	1530.000	1532.000	1534.000	1531.120	1531.580	1530.229	1531.000	1531.000	1533.000	1534.000
VEL-N	.000	.000	.000	.000	.647	-1.205	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-4.632	-1.297	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.647	1.205	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	1.032	4.115	2.020	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.000	.108	.695	.005	.000	.000	.000
ELEVATION	1522.000	1521.000	1519.000	1517.000	1516.108	1517.695	1518.005	1520.000	1521.000	1518.000
VEL-N	.000	.000	.000	.000	-1.025	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-2.020	-4.115	-1.032	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	1.025	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	2.591	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.000	.001	.169	.001	.000	.000	.000	.000
ELEVATION	1503.000	1504.000	1500.000	1503.001	1505.169	1504.001	1506.000	1507.000	1509.000	1510.000
VEL-N	.000	.000	.000	.000	.335	-.214	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-2.591	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.335	.214	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.807	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.000	.000	.000	.003	.000	.000	.000	.000
ELEVATION	1497.000	1497.000	1650.000	1600.000	1494.000	1489.003	1493.000	1489.000	1493.000	1492.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-.807	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
200	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 200 IS EQUAL TO .00

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = .75 (SECONDS) = .271E+04 (TOTAL TIMESTEP NUMBER) = 1.2E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 6344.99

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.033	.172	.769	.000	.000	.000	.000	.000
ELEVATION	1565.000	1565.000	1565.033	1566.172	1566.769	1568.000	1568.000	1568.000	1365.000	1367.000
VEL-N	.000	.000	.000	.435	.870	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	-.435	-.870	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	2.136	7.496	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.032	.200	.944	.107	.000	.000	.000
ELEVATION	1338.000	1337.000	1545.000	1541.032	1543.200	1543.944	1548.107	1549.000	1550.000	1550.000
VEL-N	.000	.000	.000	-.464	-.924	-.861	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-7.496	-2.136	.000	.000	.000
VEL-S	.000	.000	.000	.000	.464	.924	.861	.000	.000	.000
VEL-W	.000	.000	.000	.000	1.902	5.911	1.731	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.261	.779	.321	.000	.000	.000	.000
ELEVATION	1530.000	1532.000	1534.000	1531.261	1531.779	1530.321	1531.000	1531.000	1533.000	1534.000
VEL-N	.000	.000	.000	.000	.870	-1.515	.000	.000	.000	.000
VEL-E	.000	.000	.000	-1.731	-5.911	-1.902	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.870	1.515	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	2.309	4.857	3.231	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.000	.559	.753	.146	.000	.000	.000
ELEVATION	1522.000	1521.000	1519.000	1517.000	1516.559	1517.753	1518.146	1520.000	1521.000	1518.000
VEL-N	.000	.000	.000	.000	-1.265	-.270	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-3.231	-4.857	-2.309	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	1.265	.270	.000	.000	.000
VEL-W	.000	.000	.000	.000	3.113	3.427	1.627	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.021	.261	.513	.816	.000	.000	.000	.000
ELEVATION	1503.000	1504.000	1500.021	1503.261	1505.513	1504.816	1506.000	1507.000	1509.000	1510.000
VEL-N	.000	.000	.000	.737	1.068	-.647	.000	.000	.000	.000
VEL-E	.000	.000	.000	-1.627	-3.427	-3.113	.000	.000	.000	.000
VEL-S	.000	.000	-.737	-1.068	.647	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	1.153	3.007	2.368	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.000	.000	.216	.793	.034	.000	.000	.000
ELEVATION	1497.000	1497.000	1650.000	1600.000	1494.216	1489.793	1493.034	1489.000	1493.000	1492.000
VEL-N	.000	.000	.000	.000	.803	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-2.368	-3.007	-1.153	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	-.803	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	1.563	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.000	.000	.000	.001	.143	.000	.000	.000
ELEVATION	1476.000	1476.000	1478.000	1478.000	1479.000	1480.001	1483.143	1540.000	1600.000	1482.000
VEL-N	.000	.000	.000	.000	.000	.000	.372	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-1.563	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	-.372	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.587	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.000	.000	.002	.000	.000	.000	.000	.000	.000
ELEVATION	1473.000	1467.000	1470.000	1473.002	1469.000	1464.000	1466.000	1462.000	1461.000	1462.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-.587	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
200	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 200 IS EQUAL TO .00

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 1.00 (SECONDS) = .361E+04 (TOTAL TIMESTEP NUMBER) = 1.5E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 9004.37

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.000	.096	.237	.952	.000	.000	.000	.000	.000
ELEVATION	1565.000	1565.000	1565.096	1566.237	1566.952	1568.000	1568.000	1568.000	1365.000	1367.000
VEL-N	.000	.000	.000	.602	1.117	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	-.602	-1.117	.000	.000	.000	.000	.000	.000

VEL-W	.000	.000	.000	2.636	8.650	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.109	.284	1.193	.145	.000	.000	.000
ELEVATION	1338.000	1337.000	1545.000	1541.109	1543.284	1544.193	1548.145	1549.000	1550.000	1550.000
VEL-N	.000	.000	.000	-.663	-1.211	-1.024	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-8.650	-2.636	.000	.000	.000
VEL-S	.000	.000	.000	.000	.663	1.211	1.024	.000	.000	.000
VEL-W	.000	.000	.000	.608	2.411	6.827	2.111	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.321	.933	.444	.003	.000	.000	.000
ELEVATION	1530.000	1532.000	1534.000	1531.321	1531.933	1530.444	1531.003	1531.000	1533.000	1534.000
VEL-N	.000	.000	.000	.000	1.069	-1.779	.000	.000	.000	.000
VEL-E	.000	.000	.000	-2.111	-6.827	-2.411	-.608	.000	.000	.000
VEL-S	.000	.000	.000	-1.069	1.779	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	3.035	5.550	4.018	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.000	.784	1.047	.282	.000	.000	.000
ELEVATION	1522.000	1521.000	1519.000	1517.000	1516.784	1518.047	1518.282	1520.000	1521.000	1518.000
VEL-N	.000	.000	.000	.000	-1.652	-.327	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-4.018	-5.550	-3.035	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	1.652	.327	.000	.000	.000
VEL-W	.000	.000	.000	.000	3.907	4.206	2.571	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.230	.520	.641	.938	.000	.000	.000	.000
ELEVATION	1503.000	1504.000	1500.230	1503.520	1505.641	1504.938	1506.000	1507.000	1509.000	1510.000
VEL-N	.000	.000	.000	1.462	1.354	-.731	.000	.000	.000	.000
VEL-E	.000	.000	.000	-2.571	-4.206	-3.907	.000	.000	.000	.000
VEL-S	.000	.000	-1.462	-1.354	.731	.000	.000	.000	.000	.000
VEL-W	.000	.000	1.855	2.195	3.362	3.511	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.000	.000	1.112	1.711	.215	.112	.000	.000
ELEVATION	1497.000	1497.000	1650.000	1600.000	1495.113	1490.711	1493.215	1489.112	1493.000	1492.000
VEL-N	.000	.000	.000	.000	2.631	-.664	.920	.000	.000	.000
VEL-E	.000	.000	.000	.000	-3.511	-3.362	-2.195	-1.855	.000	.000
VEL-S	.000	.000	.000	.000	.000	-2.631	.664	-.920	.000	.000
VEL-W	.000	.000	.000	.000	.000	3.316	1.991	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.000	.000	.040	.511	1.052	.000	.000	.000
ELEVATION	1476.000	1476.000	1478.000	1478.000	1479.040	1480.511	1484.052	1540.000	1600.000	1482.000
VEL-N	.000	.000	.000	.000	.000	.913	2.110	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-1.991	-3.316	.000	.000	.000
VEL-S	.000	.000	.000	.000	-.913	-2.110	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	2.456	3.238	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.000	.048	.560	.190	.003	.000	.000	.000	.000
ELEVATION	1473.000	1467.000	1470.048	1473.560	1469.190	1464.003	1466.000	1462.000	1461.000	1462.000
VEL-N	.000	.000	-.947	1.372	.654	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-3.238	-2.456	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.947	-1.372	-.654	.000	.000	.000	.000
VEL-W	.000	.000	.000	2.274	.826	.000	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.000	.000	.000	.000	.005	.121	.000	.000	.000

ELEVATION	1453.000	1450.000	1452.000	1455.000	1458.000	1458.005	1460.121	1462.000	1459.000	1453.000
VEL-N	.000	.000	.000	.000	.000	.000	.270	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-.826	-2.274	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	-.270	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.510	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.000	.000	.000	.001	.000	.000	.000	.000	.000	.000
ELEVATION	1454.000	1452.000	1451.000	1450.001	1452.000	1448.000	1445.000	1442.000	1440.000	1441.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-.510	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
200	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 200 IS EQUAL TO .00

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 1.25 (SECONDS) = .451E+04 (TOTAL TIMESTEP NUMBER) = 1.8E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 9266.87

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.005	.112	.249	.972	.000	.000	.000	.000	.000
ELEVATION	1565.000	1565.005	1565.112	1566.249	1566.972	1568.000	1568.000	1568.000	1365.000	1367.000
VEL-N	.000	.000	.094	.641	1.150	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	-.094	-.641	-1.150	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	1.571	2.803	8.795	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.186	.306	1.230	.167	.082	.000	.000
ELEVATION	1338.000	1337.000	1545.000	1541.186	1543.306	1544.230	1548.167	1549.082	1550.000	1550.000
VEL-N	.000	.000	.000	-.766	-1.261	-1.130	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-8.795	-2.803	-1.571	.000	.000
VEL-S	.000	.000	.000	.000	.766	1.261	1.130	.000	.000	.000
VEL-W	.000	.000	.000	1.078	2.545	7.023	2.335	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.347	.977	.494	.074	.000	.000	.000
ELEVATION	1530.000	1532.000	1534.000	1531.347	1531.977	1530.494	1531.074	1531.000	1533.000	1534.000
VEL-N	.000	.000	.000	.000	1.132	-1.864	.000	.000	.000	.000
VEL-E	.000	.000	.000	-2.335	-7.023	-2.545	-1.078	.000	.000	.000
VEL-S	.000	.000	.000	-1.132	1.864	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	3.326	5.742	4.331	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40

DEPTH	.000	.000	.000	.000	.896	1.105	.341	.000	.000	.000
ELEVATION	1522.000	1521.000	1519.000	1517.000	1516.896	1518.105	1518.341	1520.000	1521.000	1518.000
VEL-N	.000	.000	.000	.000	-1.722	-.371	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-4.331	-5.742	-3.326	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	1.722	.371	.000	.000	.000
VEL-W	.000	.000	.000	.000	4.284	4.417	2.927	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.281	.641	.702	1.101	.000	.000	.000	.000
ELEVATION	1503.000	1504.000	1500.281	1503.641	1505.702	1505.101	1506.000	1507.000	1509.000	1510.000
VEL-N	.000	.000	.000	1.709	1.477	-.720	.000	.000	.000	.000
VEL-E	.000	.000	.000	-2.927	-4.417	-4.284	.000	.000	.000	.000
VEL-S	.000	.000	-1.709	-1.477	.720	.000	.000	.000	.000	.000
VEL-W	.000	.000	2.659	2.534	3.549	3.903	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.000	.000	1.381	2.067	.260	.348	.000	.000
ELEVATION	1497.000	1497.000	1650.000	1600.000	1495.381	1491.067	1493.260	1489.348	1493.000	1492.000
VEL-N	.000	.000	.000	.000	3.020	-.706	1.256	.000	.000	.000
VEL-E	.000	.000	.000	.000	-3.903	-3.549	-2.534	-2.659	.000	.000
VEL-S	.000	.000	.000	.000	.000	-3.020	.706	-1.256	.000	.000
VEL-W	.000	.000	.000	.000	.000	3.891	2.256	2.924	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.000	.069	.379	.647	1.410	.000	.000	.000
ELEVATION	1476.000	1476.000	1478.000	1478.069	1479.379	1480.647	1484.410	1540.000	1600.000	1482.000
VEL-N	.000	.000	.000	.000	.783	1.345	2.643	.000	.000	.000
VEL-E	.000	.000	.000	.000	-2.924	-2.256	-3.891	.000	.000	.000
VEL-S	.000	.000	.000	-.783	-1.345	-2.643	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	3.698	3.803	3.856	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.047	.350	.595	.614	1.076	.000	.000	.000	.000
ELEVATION	1473.000	1467.047	1470.350	1473.595	1469.614	1465.076	1466.000	1462.000	1461.000	1462.000
VEL-N	.000	-.633	-1.274	1.887	2.403	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-3.856	-3.803	-3.698	.000	.000	.000	.000
VEL-S	.000	.000	.633	1.274	-1.887	-2.403	.000	.000	.000	.000
VEL-W	.000	.000	1.055	3.406	3.132	2.959	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.000	.000	.031	.609	1.103	.616	.080	.000	.000
ELEVATION	1453.000	1450.000	1452.000	1455.031	1458.609	1459.103	1460.616	1462.080	1459.000	1453.000
VEL-N	.000	.000	.000	.000	.949	.765	1.207	.000	.000	.000
VEL-E	.000	.000	.000	.000	-2.959	-3.132	-3.406	-1.055	.000	.000
VEL-S	.000	.000	.000	-.949	-.765	-1.207	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	1.708	2.470	2.546	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.000	.000	.000	.544	.397	.080	.000	.000	.000	.000
ELEVATION	1454.000	1452.000	1451.000	1450.544	1452.397	1448.080	1445.000	1442.000	1440.000	1441.000
VEL-N	.000	.000	.000	-.725	.864	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-2.546	-2.470	-1.708	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.725	-.864	.000	.000	.000	.000
VEL-W	.000	.000	.000	1.295	1.226	.000	.000	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	.000	.000	.000	.031	.065	.000	.000	.000
ELEVATION	1430.000	1430.000	1432.000	1434.000	1436.000	1440.031	1442.065	1438.000	1443.000	1447.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-1.226	-1.295	.000	.000	.000

VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
200	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 200 IS EQUAL TO .00

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 1.50 (SECONDS) = .541E+04 (TOTAL TIMESTEP NUMBER) = 2.1E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 9286.67

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.008	.100	.247	.975	.000	.000	.000	.000	.000
ELEVATION	1565.000	1565.008	1565.100	1566.247	1566.975	1568.000	1568.000	1568.000	1365.000	1367.000
VEL-N	.000	.000	.083	.628	1.156	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	-.083	-.628	-1.156	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	1.631	2.845	8.819	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.182	.310	1.238	.178	.101	.000	.000
ELEVATION	1338.000	1337.000	1545.000	1541.182	1543.310	1544.238	1548.178	1549.101	1550.000	1550.000
VEL-N	.000	.000	.000	-.770	-1.273	-1.180	-.390	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-8.819	-2.845	-1.631	.000	.000
VEL-S	.000	.000	.000	.000	.770	1.273	1.180	.390	.000	.000
VEL-W	.000	.000	.000	1.316	2.567	7.065	2.438	1.326	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.058	.357	.986	.511	.163	.004	.000	.000
ELEVATION	1530.000	1532.000	1534.058	1531.357	1531.986	1530.511	1531.163	1531.004	1533.000	1534.000
VEL-N	.000	.000	.000	.000	1.144	-1.883	.374	-.088	.000	.000
VEL-E	.000	.000	-1.326	-2.438	-7.065	-2.567	-1.316	.000	.000	.000
VEL-S	.000	.000	.000	-1.144	1.883	-.374	.088	.000	.000	.000
VEL-W	.000	.000	.000	3.398	5.781	4.425	1.123	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.052	.921	1.119	.354	.000	.000	.000
ELEVATION	1522.000	1521.000	1519.000	1517.052	1516.921	1518.119	1518.354	1520.000	1521.000	1518.000
VEL-N	.000	.000	.000	.000	-1.738	-.379	.000	.000	.000	.000
VEL-E	.000	.000	.000	-1.123	-4.425	-5.781	-3.398	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	1.738	.379	.000	.000	.000
VEL-W	.000	.000	.000	.000	4.361	4.458	3.002	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.300	.661	.712	1.132	.000	.000	.000	.000
ELEVATION	1503.000	1504.000	1500.300	1503.661	1505.712	1505.132	1506.000	1507.000	1509.000	1510.000
VEL-N	.000	.000	.000	1.761	1.496	-.713	.000	.000	.000	.000

VEL-E	.000	.000	.000	-3.002	-4.458	-4.361	.000	.000	.000	.000
VEL-S	.000	.000	-1.761	-1.496	.713	.000	.000	.000	.000	.000
VEL-W	.000	.000	2.783	2.609	3.575	3.971	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.000	.000	1.435	2.131	.276	.380	.000	.000
ELEVATION	1497.000	1497.000	1650.000	1600.000	1495.435	1491.131	1493.276	1489.380	1493.000	1492.000
VEL-N	.000	.000	.000	.000	3.100	-.730	1.311	.000	.000	.000
VEL-E	.000	.000	.000	.000	-3.971	-3.575	-2.609	-2.783	.000	.000
VEL-S	.000	.000	.000	.000	.000	-3.100	.730	-1.311	.000	.000
VEL-W	.000	.000	.000	.000	.000	3.982	2.355	3.110	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.008	.189	.422	.697	1.458	.000	.000	.000
ELEVATION	1476.000	1476.000	1478.008	1478.189	1479.422	1480.697	1484.458	1540.000	1600.000	1482.000
VEL-N	.000	.000	.000	.169	.944	1.440	2.735	.000	.000	.000
VEL-E	.000	.000	.000	.000	-3.110	-2.355	-3.982	.000	.000	.000
VEL-S	.000	.000	-.169	-.944	-1.440	-2.735	.000	.000	.000	.000
VEL-W	.000	.000	.000	1.735	3.996	4.040	3.976	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.209	.434	.630	.674	1.108	.093	.000	.000	.000
ELEVATION	1473.000	1467.209	1470.434	1473.630	1469.674	1465.108	1466.093	1462.000	1461.000	1462.000
VEL-N	.000	-.877	-1.379	1.961	2.571	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-3.976	-4.040	-3.996	-1.735	.000	.000	.000
VEL-S	.000	.000	.877	1.379	-1.961	-2.571	.000	.000	.000	.000
VEL-W	.000	.771	1.471	3.511	3.345	3.314	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.000	.105	.372	.868	1.151	.606	.258	.066	.000
ELEVATION	1453.000	1450.000	1452.105	1455.372	1458.868	1459.151	1460.606	1462.258	1459.066	1453.000
VEL-N	.000	.000	.000	.927	1.590	.631	1.158	.607	-.545	.000
VEL-E	.000	.000	.000	.000	-3.314	-3.345	-3.511	-1.471	-.771	.000
VEL-S	.000	.000	-.927	-1.590	-.631	-1.158	-.607	.545	.000	.000
VEL-W	.000	.000	.000	2.164	3.264	2.671	2.603	1.027	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.000	.000	.068	.989	.507	.757	.694	.131	.001	.000
ELEVATION	1454.000	1452.000	1451.068	1450.989	1452.507	1448.757	1445.694	1442.131	1440.001	1441.000
VEL-N	.000	.000	.000	-.821	1.449	1.923	1.396	.343	.000	.000
VEL-E	.000	.000	-1.027	-2.603	-2.671	-3.264	-2.164	.000	.000	.000
VEL-S	.000	.000	.000	.000	.821	-1.449	-1.923	-1.396	-.343	.000
VEL-W	.000	.000	.000	2.639	2.303	3.389	3.130	.813	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	.024	.537	1.118	.591	.641	.171	.000	.000
ELEVATION	1430.000	1430.000	1432.024	1434.537	1437.118	1440.591	1442.641	1438.171	1443.000	1447.000
VEL-N	.000	.000	.000	.942	1.632	1.358	1.080	-1.199	.000	.000
VEL-E	.000	.000	-.813	-3.130	-3.389	-2.303	-2.639	.000	.000	.000
VEL-S	.000	.000	-.942	-1.632	-1.358	-1.080	1.199	.000	.000	.000
VEL-W	.000	.000	.000	1.486	2.769	1.984	2.245	.440	.000	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.000	.000	.004	.293	.236	.394	.043	.000	.000	.000
ELEVATION	1442.000	1437.000	1433.004	1432.293	1428.236	1426.394	1424.043	1422.000	1421.000	1422.000
VEL-N	.000	.000	.000	.919	.506	.513	.000	.000	.000	.000
VEL-E	.000	.000	-.440	-2.245	-1.984	-2.769	-1.486	.000	.000	.000
VEL-S	.000	.000	.000	.000	-.919	-.506	-.513	.000	.000	.000
VEL-W	.000	.000	.000	.932	.608	.921	.000	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.015	.007	.021	.000	.000	.000
ELEVATION	1413.000	1412.000	1413.000	1416.000	1420.015	1423.007	1424.021	1426.000	1432.000	1435.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-.921	-.608	-.932	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
200	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 200 IS EQUAL TO .00

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 1.75 (SECONDS) = .631E+04 (TOTAL TIMESTEP NUMBER) = 2.4E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 8486.67

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.010	.100	.234	.926	.000	.000	.000	.000	.000
ELEVATION	1565.000	1565.010	1565.100	1566.234	1566.926	1568.000	1568.000	1568.000	1365.000	1367.000
VEL-N	.000	.000	.083	.609	1.090	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	-.083	-.609	-1.090	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	1.611	2.741	8.527	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.158	.297	1.178	.167	.102	.000	.000
ELEVATION	1338.000	1337.000	1545.000	1541.158	1543.297	1544.178	1548.167	1549.102	1550.000	1550.000
VEL-N	.000	.000	.000	-.732	-1.203	-1.142	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-8.527	-2.741	-1.611	.000	.000
VEL-S	.000	.000	.000	.000	.732	1.203	1.142	.000	.000	.000
VEL-W	.000	.000	.000	1.179	2.498	6.849	2.345	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.004	.099	.345	.945	.492	.133	.010	.000	.000
ELEVATION	1530.000	1532.004	1534.099	1531.345	1531.945	1530.492	1531.133	1531.010	1533.000	1534.000
VEL-N	.000	.000	.387	-.689	1.089	-1.820	.329	-.072	.000	.000
VEL-E	.000	.000	.000	-2.345	-6.849	-2.498	-1.179	.000	.000	.000
VEL-S	.000	-.387	.689	-1.089	1.820	-.329	.072	.000	.000	.000
VEL-W	.000	.000	1.040	3.331	5.623	4.325	1.315	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.165	.902	1.075	.346	.011	.000	.000
ELEVATION	1522.000	1521.000	1519.000	1517.165	1516.902	1518.075	1518.346	1520.011	1521.000	1518.000
VEL-N	.000	.000	.000	.238	-1.686	-.401	.000	.000	.000	.000
VEL-E	.000	.000	.000	-1.315	-4.325	-5.623	-3.331	-1.040	.000	.000
VEL-S	.000	.000	.000	.000	-.238	1.686	.401	.000	.000	.000
VEL-W	.000	.000	.000	.814	4.307	4.352	2.962	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.302	.652	.689	1.119	.029	.000	.000	.000
ELEVATION	1503.000	1504.000	1500.302	1503.652	1505.689	1505.119	1506.029	1507.000	1509.000	1510.000
VEL-N	.000	.000	.000	1.752	1.470	-.693	.000	.000	.000	.000
VEL-E	.000	.000	.000	-2.962	-4.352	-4.307	-.814	.000	.000	.000
VEL-S	.000	.000	-1.752	-1.470	.693	.000	.000	.000	.000	.000
VEL-W	.000	.000	2.797	2.594	3.502	3.944	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.000	.000	1.437	2.125	.276	.386	.000	.000
ELEVATION	1497.000	1497.000	1650.000	1600.000	1495.437	1491.125	1493.276	1489.386	1493.000	1492.000
VEL-N	.000	.000	.000	.000	3.108	-.731	1.311	.000	.000	.000
VEL-E	.000	.000	.000	.000	-3.944	-3.502	-2.594	-2.797	.000	.000
VEL-S	.000	.000	.000	.000	.000	-3.108	.731	-1.311	.000	.000
VEL-W	.000	.000	.000	.000	.000	3.984	2.356	3.145	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.023	.179	.431	.702	1.465	.000	.000	.000
ELEVATION	1476.000	1476.000	1478.023	1478.179	1479.431	1480.702	1484.465	1540.000	1600.000	1482.000
VEL-N	.000	.000	.000	.161	.953	1.452	2.749	.000	.000	.000
VEL-E	.000	.000	.000	.000	-3.145	-2.356	-3.984	.000	.000	.000
VEL-S	.000	.000	-.161	-.953	-1.452	-2.749	.000	.000	.000	.000
VEL-W	.000	.000	.000	1.878	4.060	4.076	4.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.263	.388	.639	.685	1.107	.130	.039	.000	.000
ELEVATION	1473.000	1467.263	1470.388	1473.639	1469.685	1465.107	1466.130	1462.039	1461.000	1462.000
VEL-N	.000	-.874	-1.358	1.980	2.605	-.488	.726	.000	.000	.000
VEL-E	.000	.000	.000	-4.000	-4.076	-4.060	-1.878	.000	.000	.000
VEL-S	.000	.000	.874	1.358	-1.980	-2.605	.488	-.726	.000	.000
VEL-W	.000	1.214	1.356	3.567	3.378	3.428	1.314	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.030	.181	.443	.989	1.212	.625	.223	.298	.048
ELEVATION	1453.000	1450.031	1452.181	1455.443	1458.989	1459.212	1460.625	1462.223	1459.297	1453.048
VEL-N	.000	.000	.509	1.114	1.772	.590	1.166	.550	-.662	-.794
VEL-E	.000	.000	.000	-1.314	-3.428	-3.378	-3.567	-1.356	-1.214	.000
VEL-S	.000	-.509	-1.114	-1.772	-.590	-1.166	-.550	.662	.794	.000
VEL-W	.000	.000	1.344	2.453	3.437	2.769	2.654	1.156	.862	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.000	.053	.160	1.075	.530	.760	.558	.294	.083	.000
ELEVATION	1454.000	1452.053	1451.160	1451.075	1452.530	1448.760	1445.558	1442.294	1440.083	1441.000
VEL-N	.000	.000	.091	-.824	1.491	1.818	1.371	.758	.000	.000
VEL-E	.000	-.862	-1.156	-2.654	-2.769	-3.437	-2.453	-1.344	.000	.000
VEL-S	.000	.000	.000	-.091	.824	-1.491	-1.818	-1.371	-.758	.000
VEL-W	.000	.000	1.086	2.566	2.277	3.385	3.002	2.166	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.002	.173	.438	.655	.773	.466	.463	.579	.000	.000
ELEVATION	1430.002	1430.173	1432.438	1434.655	1436.773	1440.466	1442.463	1438.579	1443.000	1447.000
VEL-N	.000	.148	1.284	1.562	1.365	1.207	.881	-1.230	.000	.000
VEL-E	.000	.000	-2.166	-3.002	-3.385	-2.277	-2.566	-1.086	.000	.000
VEL-S	-.148	-1.284	-1.562	-1.365	-1.207	-.881	1.230	.000	.000	.000
VEL-W	.000	1.567	2.817	2.762	2.762	2.154	2.155	1.249	.000	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.000	.000	.178	.415	.699	.887	.918	.837	.147	.000
ELEVATION	1442.000	1437.000	1433.178	1432.415	1428.699	1426.887	1424.918	1422.837	1421.147	1422.000

VEL-N	.000	.000	.308	1.268	1.112	1.352	1.584	1.248	.000	.000
VEL-E	.000	.000	-1.249	-2.155	-2.154	-2.762	-2.762	-2.817	-1.567	.000
VEL-S	.000	.000	.000	-.308	-1.268	-1.112	-1.352	-1.584	-1.248	.000
VEL-W	.000	.000	.618	1.699	1.777	2.494	2.856	2.958	.768	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.011	.461	.992	.685	.364	.314	.009	.000	.000
ELEVATION	1413.000	1412.011	1413.461	1416.992	1420.685	1423.364	1424.314	1426.009	1432.000	1435.000
VEL-N	.000	.000	.531	1.700	1.746	1.097	.518	.000	.000	.000
VEL-E	.000	-.768	-2.958	-2.856	-2.494	-1.777	-1.699	-.618	.000	.000
VEL-S	.000	-.531	-1.700	-1.746	-1.097	-.518	.000	.000	.000	.000
VEL-W	.000	.000	1.467	2.623	1.978	1.601	.869	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.000	.000	.043	.081	.221	.268	.032	.000	.000
ELEVATION	1427.000	1422.000	1420.000	1417.043	1415.081	1414.221	1409.268	1406.032	1404.000	1403.000
VEL-N	.000	.000	.000	.000	.000	1.216	.824	.000	.000	.000
VEL-E	.000	.000	.000	-.869	-1.601	-1.978	-2.623	-1.467	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-1.216	-.824	.000	.000
VEL-W	.000	.000	.000	.000	.000	1.020	1.344	.000	.000	.000

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.000	.000	.000	.011	.015	.000	.000	.000	.000	.000
ELEVATION	1393.000	1396.000	1397.000	1400.011	1403.015	1406.000	1411.000	1414.000	1416.000	1421.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-1.344	-1.020	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
200	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 200 IS EQUAL TO .00

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 2.00 (SECONDS) = .721E+04 (TOTAL TIMESTEP NUMBER) = 2.7E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 7687.50

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.013	.102	.216	.874	.000	.000	.000	.000	.000
ELEVATION	1565.000	1565.013	1565.102	1566.216	1566.874	1568.000	1568.000	1568.000	1365.000	1367.000
VEL-N	.000	.000	.000	.581	1.019	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	-.581	-1.019	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	2.603	8.208	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.160	.275	1.113	.155	.100	.000	.000

ELEVATION	1338.000	1337.000	1545.000	1541.160	1543.275	1544.113	1548.155	1549.100	1550.000	1550.000
VEL-N	.000	.000	.000	-.707	-1.126	-1.093	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-8.208	-2.603	.000	.000	.000
VEL-S	.000	.000	.000	.000	.707	1.126	1.093	.000	.000	.000
VEL-W	.000	.000	.000	1.119	2.375	6.601	2.230	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.014	.096	.323	.898	.460	.109	.014	.000	.000
ELEVATION	1530.000	1532.014	1534.096	1531.323	1531.898	1530.460	1531.109	1531.014	1533.000	1534.000
VEL-N	.000	.000	.000	.000	1.027	-1.743	.289	-.057	.000	.000
VEL-E	.000	.000	.000	-2.230	-6.601	-2.375	-1.119	.000	.000	.000
VEL-S	.000	.000	.000	-1.027	1.743	-.289	.057	.000	.000	.000
VEL-W	.000	.000	.000	3.201	5.436	4.138	1.149	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.152	.851	1.026	.325	.042	.000	.000
ELEVATION	1522.000	1521.000	1519.000	1517.152	1516.851	1518.026	1518.325	1520.042	1521.000	1518.000
VEL-N	.000	.000	.000	.246	-1.629	-.405	.000	.000	.000	.000
VEL-E	.000	.000	.000	-1.149	-4.138	-5.436	-3.201	.000	.000	.000
VEL-S	.000	.000	.000	.000	-.246	1.629	.405	.000	.000	.000
VEL-W	.000	.000	.000	1.043	4.146	4.211	2.844	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.289	.619	.656	1.065	.126	.000	.000	.000
ELEVATION	1503.000	1504.000	1500.289	1503.619	1505.656	1505.065	1506.126	1507.000	1509.000	1510.000
VEL-N	.000	.000	.000	1.690	1.420	-.681	.265	.000	.000	.000
VEL-E	.000	.000	.000	-2.844	-4.211	-4.146	-1.043	.000	.000	.000
VEL-S	.000	.000	-1.690	-1.420	.681	-.265	.000	.000	.000	.000
VEL-W	.000	.000	2.718	2.505	3.393	3.820	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.000	.000	1.371	2.036	.263	.372	.000	.000
ELEVATION	1497.000	1497.000	1650.000	1600.000	1495.371	1491.036	1493.263	1489.372	1493.000	1492.000
VEL-N	.000	.000	.000	.000	3.022	-.720	1.269	.000	.000	.000
VEL-E	.000	.000	.000	.000	-3.820	-3.393	-2.505	-2.718	.000	.000
VEL-S	.000	.000	.000	.000	.000	-3.022	.720	-1.269	.000	.000
VEL-W	.000	.000	.000	.000	.000	3.869	2.282	3.069	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.037	.173	.417	.673	1.412	.000	.000	.000
ELEVATION	1476.000	1476.000	1478.037	1478.173	1479.417	1480.673	1484.412	1540.000	1600.000	1482.000
VEL-N	.000	.000	.000	.154	.930	1.408	2.673	.000	.000	.000
VEL-E	.000	.000	.000	.000	-3.069	-2.282	-3.869	.000	.000	.000
VEL-S	.000	.000	-.154	-.930	-1.408	-2.673	.000	.000	.000	.000
VEL-W	.000	.000	.000	1.788	3.976	3.976	3.900	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.248	.400	.615	.663	1.085	.113	.101	.001	.000
ELEVATION	1473.000	1467.248	1470.400	1473.615	1469.663	1465.085	1466.113	1462.101	1461.001	1462.000
VEL-N	.000	-.874	-1.341	1.933	2.550	-.448	.852	.271	.000	.000
VEL-E	.000	.000	.000	-3.900	-3.976	-3.976	-1.788	.000	.000	.000
VEL-S	.000	.000	.874	1.341	-1.933	-2.550	.448	-.852	-.271	.000
VEL-W	.000	1.163	1.321	3.481	3.308	3.377	1.203	1.072	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.095	.198	.427	.961	1.177	.601	.186	.284	.240
ELEVATION	1453.000	1450.095	1452.198	1455.427	1458.961	1459.177	1460.601	1462.186	1459.284	1453.240
VEL-N	.000	.000	.623	1.109	1.733	.572	1.143	.483	-.581	-1.046
VEL-E	.000	.000	-1.072	-1.203	-3.377	-3.308	-3.481	-1.321	-1.163	.000
VEL-S	.000	-.623	-1.109	-1.733	-.572	-1.143	-.483	.581	1.046	.000

VEL-W	.000	.000	1.421	2.395	3.390	2.724	2.586	1.128	1.063	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.000	.187	.186	1.075	.526	.753	.550	.309	.117	.000
ELEVATION	1454.000	1452.187	1451.186	1451.075	1452.526	1448.753	1445.550	1442.309	1440.117	1441.000
VEL-N	.000	.339	.112	-.820	1.487	1.807	1.376	.826	.000	.000
VEL-E	.000	-1.063	-1.128	-2.586	-2.724	-3.390	-2.395	-1.421	.000	.000
VEL-S	.000	.000	-.339	-.112	.820	-1.487	-1.807	-1.376	-.826	.000
VEL-W	.000	.935	1.198	2.612	2.279	3.369	2.977	2.250	1.409	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.023	.245	.407	.653	.774	.470	.502	.665	.040	.000
ELEVATION	1430.023	1430.245	1432.407	1434.653	1436.774	1440.470	1442.502	1438.665	1443.040	1447.000
VEL-N	.000	.231	1.309	1.539	1.367	1.214	.921	-1.294	.000	.000
VEL-E	.000	-1.409	-2.250	-2.977	-3.369	-2.279	-2.612	-1.198	-.935	.000
VEL-S	-.231	-1.309	-1.539	-1.367	-1.214	-.921	1.294	.000	.000	.000
VEL-W	.000	2.183	2.700	2.781	2.779	2.173	2.206	1.618	.000	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.000	.000	.456	.407	.630	.824	.779	.564	.401	.000
ELEVATION	1442.000	1437.000	1433.456	1432.407	1428.630	1426.824	1424.779	1422.564	1421.401	1422.000
VEL-N	.000	.000	.683	1.250	1.029	1.287	1.341	1.040	.000	.000
VEL-E	.000	.000	-1.618	-2.206	-2.173	-2.779	-2.781	-2.700	-2.183	.000
VEL-S	.000	.000	.000	-.683	-1.250	-1.029	-1.287	-1.341	-1.040	.000
VEL-W	.000	.000	1.473	1.815	1.679	2.367	2.497	2.730	2.529	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.564	.705	.795	.632	.351	.446	.192	.000	.000
ELEVATION	1413.000	1412.564	1413.705	1416.795	1420.632	1423.351	1424.446	1426.192	1432.000	1435.000
VEL-N	.000	.000	1.060	1.704	1.701	1.107	.663	.498	.000	.000
VEL-E	.000	-2.529	-2.730	-2.497	-2.367	-1.679	-1.815	-1.473	.000	.000
VEL-S	.000	-1.060	-1.704	-1.701	-1.107	-.663	-.498	.000	.000	.000
VEL-W	.000	2.964	3.215	2.685	2.169	2.210	1.352	.612	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.000	.011	.233	.390	.404	.476	.642	.847	.157
ELEVATION	1427.000	1422.000	1420.011	1417.233	1415.390	1414.404	1409.476	1406.642	1404.847	1403.157
VEL-N	.000	.000	.000	.677	.826	1.909	1.932	1.891	1.301	.356
VEL-E	.000	.000	-.612	-1.352	-2.210	-2.169	-2.685	-3.215	-2.964	.000
VEL-S	.000	.000	.000	.000	-.677	-.826	-1.909	-1.932	-1.891	-1.301
VEL-W	.000	.000	.000	.743	2.041	2.219	3.430	3.442	3.746	.836

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.048	.753	1.101	.569	.303	.186	.032	.000	.000	.000
ELEVATION	1393.048	1396.753	1398.101	1400.569	1403.303	1406.186	1411.032	1414.000	1416.000	1421.000
VEL-N	.000	1.262	1.506	1.691	1.135	.711	.000	.000	.000	.000
VEL-E	-.836	-3.746	-3.442	-3.430	-2.219	-2.041	-.743	.000	.000	.000
VEL-S	-1.262	-1.506	-1.691	-1.135	-.711	.000	.000	.000	.000	.000
VEL-W	.000	1.850	3.244	2.598	1.177	.777	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.000	.010	.052	.325	.582	.093	.000
ELEVATION	1413.000	1412.000	1408.000	1403.000	1398.010	1395.052	1392.325	1390.582	1387.093	1384.000
VEL-N	.000	.000	.000	.000	.000	.000	.810	.956	.000	.000
VEL-E	.000	.000	.000	.000	-.777	-1.177	-2.598	-3.244	-1.850	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	-.810	-.956	.000
VEL-W	.000	.000	.000	.000	.000	.000	.938	1.436	.000	.000

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.002	.000	.000	.000	.000	.000	.000	.000	.000

ELEVATION	1409.000	1400.002	1394.000	1389.000	1392.000	1376.000	1378.000	1381.000	1369.000	1373.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	-.356	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.041	.024	.000	.000	.000	.000	.000	.000
ELEVATION	1375.000	1377.000	1382.041	1385.024	1387.000	1392.000	1395.000	1398.000	1392.000	1389.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-1.436	-.938	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
200	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 200 IS EQUAL TO .00

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 2.25 (SECONDS) = .812E+04 (TOTAL TIMESTEP NUMBER) = 3.0E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 6937.49

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.015	.102	.199	.823	.000	.000	.000	.000	.000
ELEVATION	1565.000	1565.015	1565.102	1566.199	1566.823	1568.000	1568.000	1568.000	1365.000	1367.000
VEL-N	.000	.000	.000	.555	.951	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	-.555	-.951	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	2.465	7.889	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.159	.253	1.049	.143	.100	.000	.000
ELEVATION	1338.000	1337.000	1545.000	1541.159	1543.253	1544.049	1548.143	1549.100	1550.000	1550.000
VEL-N	.000	.000	.000	-.678	-1.052	-1.042	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-7.889	-2.465	.000	.000	.000
VEL-S	.000	.000	.000	.000	.678	1.052	1.042	.000	.000	.000
VEL-W	.000	.000	.000	1.102	2.246	6.351	2.114	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.021	.099	.298	.851	.429	.104	.017	.000	.000
ELEVATION	1530.000	1532.021	1534.099	1531.298	1531.851	1530.429	1531.104	1531.017	1533.000	1534.000
VEL-N	.000	.000	.000	.000	.967	-1.667	.285	-.054	.000	.000
VEL-E	.000	.000	.000	-2.114	-6.351	-2.246	-1.102	.000	.000	.000
VEL-S	.000	.000	.000	-.967	1.667	-.285	.054	.000	.000	.000
VEL-W	.000	.000	.000	3.031	5.245	3.954	1.112	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40

DEPTH	.000	.000	.000	.117	.798	.975	.301	.072	.000	.000
ELEVATION	1522.000	1521.000	1519.000	1517.117	1516.798	1517.975	1518.301	1520.072	1521.000	1518.000
VEL-N	.000	.000	.000	.211	-1.570	-.401	.000	.000	.000	.000
VEL-E	.000	.000	.000	-1.112	-3.954	-5.245	-3.031	.000	.000	.000
VEL-S	.000	.000	.000	.000	-.211	1.570	.401	.000	.000	.000
VEL-W	.000	.000	.000	.930	3.972	4.067	2.701	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.271	.580	.622	1.010	.193	.000	.000	.000
ELEVATION	1503.000	1504.000	1500.271	1503.580	1505.622	1505.010	1506.193	1507.000	1509.000	1510.000
VEL-N	.000	.000	.000	1.614	1.368	-.671	.377	.000	.000	.000
VEL-E	.000	.000	.000	-2.701	-4.067	-3.972	-.930	.000	.000	.000
VEL-S	.000	.000	-1.614	-1.368	.671	-.377	.000	.000	.000	.000
VEL-W	.000	.000	2.606	2.396	3.285	3.688	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.000	.000	1.300	1.936	.246	.350	.000	.000
ELEVATION	1497.000	1497.000	1650.000	1600.000	1495.300	1490.936	1493.246	1489.350	1493.000	1492.000
VEL-N	.000	.000	.000	.000	2.927	-.701	1.215	.000	.000	.000
VEL-E	.000	.000	.000	.000	-3.688	-3.285	-2.396	-2.606	.000	.000
VEL-S	.000	.000	.000	.000	.000	-2.927	.701	-1.215	.000	.000
VEL-W	.000	.000	.000	.000	.000	3.736	2.185	2.948	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.052	.173	.393	.640	1.348	.000	.000	.000
ELEVATION	1476.000	1476.000	1478.052	1478.173	1479.393	1480.640	1484.348	1540.000	1600.000	1482.000
VEL-N	.000	.000	.000	.152	.896	1.353	2.578	.000	.000	.000
VEL-E	.000	.000	.000	.000	-2.948	-2.185	-3.736	.000	.000	.000
VEL-S	.000	.000	-.152	-.896	-1.353	-2.578	.000	.000	.000	.000
VEL-W	.000	.000	.000	1.747	3.827	3.843	3.772	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.254	.397	.585	.629	1.028	.104	.101	.010	.000
ELEVATION	1473.000	1467.254	1470.397	1473.585	1469.630	1465.028	1466.104	1462.101	1461.010	1462.000
VEL-N	.000	-.875	-1.306	1.869	2.470	-.431	.827	.287	.000	.000
VEL-E	.000	.000	.000	-3.772	-3.843	-3.827	-1.747	.000	.000	.000
VEL-S	.000	.000	.875	1.306	-1.869	-2.470	.431	-.827	-.287	.000
VEL-W	.000	1.128	1.305	3.363	3.199	3.261	1.134	1.076	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.103	.208	.398	.915	1.126	.571	.178	.217	.452
ELEVATION	1453.000	1450.103	1452.208	1455.398	1458.915	1459.126	1460.571	1462.178	1459.217	1453.452
VEL-N	.000	.000	.651	1.082	1.666	.548	1.111	.472	-.569	-.907
VEL-E	.000	.000	-1.076	-1.134	-3.261	-3.199	-3.363	-1.305	-1.128	.000
VEL-S	.000	-.651	-1.082	-1.666	-.548	-1.111	-.472	.569	.907	.000
VEL-W	.000	.000	1.477	2.287	3.286	2.638	2.498	1.097	.947	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.000	.181	.193	1.035	.501	.722	.518	.302	.161	.000
ELEVATION	1454.000	1452.181	1451.193	1451.035	1452.501	1448.722	1445.518	1442.302	1440.161	1441.000
VEL-N	.000	.334	.138	-.798	1.442	1.750	1.331	.868	.000	.000
VEL-E	.000	-.947	-1.097	-2.498	-2.638	-3.286	-2.287	-1.477	.000	.000
VEL-S	.000	.000	-.334	-.138	.798	-1.442	-1.750	-1.331	-.868	.000
VEL-W	.000	1.174	1.234	2.528	2.210	3.275	2.863	2.222	1.770	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.056	.278	.389	.623	.746	.450	.468	.661	.133	.000
ELEVATION	1430.056	1430.278	1432.389	1434.623	1436.746	1440.450	1442.468	1438.661	1443.133	1447.000
VEL-N	.000	.267	1.312	1.489	1.331	1.181	.883	-1.230	.733	.000
VEL-E	.000	-1.770	-2.222	-2.863	-3.275	-2.210	-2.528	-1.234	-1.174	.000

VEL-S	-.267	-1.312	-1.489	-1.331	-1.181	-.883	1.230	-.733	.000	.000
VEL-W	.000	2.375	2.621	2.695	2.710	2.110	2.147	1.584	.576	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.000	.015	.418	.405	.637	.819	.762	.539	.426	.000
ELEVATION	1442.000	1437.015	1433.418	1432.405	1428.636	1426.819	1424.762	1422.539	1421.426	1422.000
VEL-N	.000	.000	.657	1.251	1.043	1.282	1.317	1.017	.000	.000
VEL-E	.000	-.576	-1.584	-2.147	-2.110	-2.710	-2.695	-2.621	-2.375	.000
VEL-S	.000	.000	.000	-.657	-1.251	-1.043	-1.282	-1.317	-1.017	.000
VEL-W	.000	.000	1.696	1.809	1.686	2.367	2.461	2.641	2.634	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.587	.731	.805	.638	.349	.523	.383	.000	.000
ELEVATION	1413.000	1412.587	1413.731	1416.805	1420.638	1423.349	1424.523	1426.383	1432.000	1435.000
VEL-N	.000	.000	1.088	1.728	1.705	1.095	.731	.844	.000	.000
VEL-E	.000	-2.634	-2.641	-2.461	-2.367	-1.686	-1.809	-1.696	.000	.000
VEL-S	.000	-1.088	-1.728	-1.705	-1.095	-.731	-.844	.000	.000	.000
VEL-W	.000	3.083	3.151	2.654	2.088	2.194	1.630	1.219	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.000	.161	.374	.354	.337	.438	.572	.675	.254
ELEVATION	1427.000	1422.000	1420.161	1417.374	1415.354	1414.337	1409.438	1406.572	1404.675	1403.254
VEL-N	.000	.000	.501	.968	.777	1.679	1.834	1.786	1.119	.616
VEL-E	.000	.000	-1.219	-1.630	-2.194	-2.088	-2.654	-3.151	-3.083	.000
VEL-S	.000	.000	.000	-.501	-.968	-.777	-1.679	-1.834	-1.786	-1.119
VEL-W	.000	.000	.482	1.197	2.346	2.150	3.244	3.219	3.404	1.665

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.658	.683	.689	.472	.392	.378	.157	.008	.000	.000
ELEVATION	1393.658	1396.683	1397.689	1400.472	1403.392	1406.378	1411.157	1414.008	1416.000	1421.000
VEL-N	.000	1.793	1.048	1.586	1.439	1.209	.839	.000	.000	.000
VEL-E	-1.665	-3.404	-3.249	-3.244	-2.150	-2.346	-1.197	-.482	.000	.000
VEL-S	-1.793	-1.048	-1.586	-1.439	-1.209	-.839	.000	.000	.000	.000
VEL-W	2.622	2.720	2.773	2.671	1.911	1.664	.739	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.018	.202	.324	.575	.684	.785	1.003
ELEVATION	1413.000	1412.000	1408.000	1403.018	1398.202	1395.324	1392.575	1390.684	1387.785	1385.003
VEL-N	.000	.000	.000	.000	.763	1.028	1.277	1.561	1.503	1.440
VEL-E	.000	.000	.000	-.739	-1.664	-1.911	-2.671	-2.773	-2.720	-2.622
VEL-S	.000	.000	.000	.000	.000	-.763	-1.028	-1.277	-1.561	-1.503
VEL-W	.000	.000	.000	.000	.644	1.109	1.906	2.595	2.783	2.783

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.067	.000	.000	.000	.004	.003	.194	.000	.030
ELEVATION	1409.000	1400.067	1394.000	1389.000	1392.000	1376.004	1378.003	1381.194	1369.000	1373.030
VEL-N	.000	.000	.000	.000	.000	.000	.000	.366	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.527	.000	-.629
VEL-S	.000	-.616	.000	.000	.000	.000	-.366	-1.440	.000	-.781
VEL-W	.000	.000	.000	.000	.000	-.527	.000	.629	.000	.000

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.704	1.223	.705	.373	.068	.015	.000	.000	.000	.000
ELEVATION	1375.704	1378.224	1382.705	1385.373	1387.068	1392.015	1395.000	1398.000	1392.000	1389.000
VEL-N	.781	1.602	1.746	.865	.000	.000	.000	.000	.000	.000
VEL-E	-2.783	-2.783	-2.595	-1.906	-1.109	-.644	.000	.000	.000	.000
VEL-S	-1.602	-1.746	-.865	.000	.000	.000	.000	.000	.000	.000
VEL-W	1.373	2.725	1.734	1.062	.000	.000	.000	.000	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240

DEPTH	.000	.000	.064	.260	.506	.068	.000	.000	.000	.000
ELEVATION	1385.000	1382.000	1377.064	1375.260	1371.506	1368.068	1365.000	1362.000	1358.000	1356.000
VEL-N	.000	.000	.000	.896	.854	.000	.000	.000	.000	.000
VEL-E	.000	.000	-1.062	-1.734	-2.725	-1.373	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	-.896	-.854	.000	.000	.000	.000
VEL-W	.000	.000	.000	.858	1.492	.000	.000	.000	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.037	.019
ELEVATION	1355.000	1341.000	1345.000	1349.000	1353.000	1355.000	1357.000	1359.000	1363.037	1365.019
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	-1.492	-.858
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
200	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 200 IS EQUAL TO .00

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 2.50 (SECONDS) = .902E+04 (TOTAL TIMESTEP NUMBER) = 3.3E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 6176.64

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.017	.099	.182	.770	.000	.000	.000	.000	.012
ELEVATION	1565.000	1565.017	1565.099	1566.182	1566.770	1568.000	1568.000	1568.000	1365.000	1367.012
VEL-N	.000	.000	.083	.531	.881	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-.644
VEL-S	.000	-.083	-.531	-.881	.000	.000	.000	.000	.000	-.301
VEL-W	.000	.000	1.603	2.326	7.550	.000	.000	.000	.000	.000

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.151	.232	.982	.131	.101	.000	.000
ELEVATION	1338.000	1337.000	1545.000	1541.151	1543.232	1543.982	1548.131	1549.101	1550.000	1550.000
VEL-N	.000	.000	.000	-.644	-.975	-.993	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-7.550	-2.326	-1.603	.000	.000
VEL-S	.000	.000	.000	.000	.644	.975	.993	.000	.000	.000
VEL-W	.000	.000	.000	1.069	2.120	6.087	2.002	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.027	.099	.275	.802	.399	.100	.019	.000	.000
ELEVATION	1530.000	1532.027	1534.099	1531.275	1531.802	1530.399	1531.100	1531.019	1533.000	1534.000
VEL-N	.000	.000	.000	.000	.905	-1.587	.283	-.051	.000	.000
VEL-E	.000	.000	.000	-2.002	-6.087	-2.120	-1.069	.000	.000	.000
VEL-S	.000	.000	.000	-.905	1.587	-.283	.051	.000	.000	.000
VEL-W	.000	.000	.000	2.876	5.044	3.772	1.084	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.107	.748	.922	.278	.098	.000	.000
ELEVATION	1522.000	1521.000	1519.000	1517.107	1516.748	1517.922	1518.278	1520.098	1521.000	1518.000
VEL-N	.000	.000	.000	.211	-1.507	-.398	.000	.000	.000	.000
VEL-E	.000	.000	.000	-1.084	-3.772	-5.044	-2.876	.000	.000	.000
VEL-S	.000	.000	.000	.000	-.211	1.507	.398	.000	.000	.000
VEL-W	.000	.000	.000	.875	3.804	3.915	2.564	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.257	.542	.588	.952	.210	.000	.000	.000
ELEVATION	1503.000	1504.000	1500.257	1503.542	1505.588	1504.953	1506.210	1507.000	1509.000	1510.000
VEL-N	.000	.000	.000	1.542	1.314	-.658	.413	.000	.000	.000
VEL-E	.000	.000	.000	-2.564	-3.915	-3.804	-.875	.000	.000	.000
VEL-S	.000	.000	-1.542	-1.314	.658	-.413	.000	.000	.000	.000
VEL-W	.000	.000	2.518	2.287	3.171	3.551	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.000	.000	1.227	1.834	.229	.329	.000	.000
ELEVATION	1497.000	1497.000	1650.000	1600.000	1495.227	1490.834	1493.229	1489.329	1493.000	1492.000
VEL-N	.000	.000	.000	.000	2.825	-.681	1.160	.000	.000	.000
VEL-E	.000	.000	.000	.000	-3.551	-3.171	-2.287	-2.518	.000	.000
VEL-S	.000	.000	.000	.000	.000	-2.825	.681	-1.160	.000	.000
VEL-W	.000	.000	.000	.000	.000	3.597	2.086	2.828	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.067	.163	.369	.605	1.281	.000	.000	.000
ELEVATION	1476.000	1476.000	1478.067	1478.163	1479.369	1480.605	1484.281	1540.000	1600.000	1482.000
VEL-N	.000	.000	.000	.139	.855	1.295	2.478	.000	.000	.000
VEL-E	.000	.000	.000	.000	-2.828	-2.086	-3.597	.000	.000	.000
VEL-S	.000	.000	-.139	-.855	-1.295	-2.478	.000	.000	.000	.000
VEL-W	.000	.000	.000	1.707	3.670	3.704	3.639	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.061	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1483.000	1484.000	1371.061	1373.000	1376.000	1379.000	1372.000	1370.000	1476.000	1475.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-.885	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.262	.373	.556	.596	.971	.103	.102	.020	.000
ELEVATION	1473.000	1467.262	1470.373	1473.556	1469.596	1464.971	1466.103	1462.102	1461.020	1462.000
VEL-N	.000	-.858	-1.259	1.808	2.389	-.441	.818	.000	.000	.000
VEL-E	.000	.000	.000	-3.639	-3.704	-3.670	-1.707	.000	.000	.000
VEL-S	.000	.000	.858	1.259	-1.808	-2.389	.441	-.818	.000	.000
VEL-W	.000	1.148	1.255	3.250	3.089	3.138	1.133	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.101	.196	.375	.865	1.074	.542	.170	.221	.627
ELEVATION	1453.000	1450.101	1452.196	1455.375	1458.865	1459.074	1460.542	1462.170	1459.221	1453.627
VEL-N	.000	.000	.640	1.041	1.598	.527	1.082	.460	-.551	-.902
VEL-E	.000	.000	.000	-1.133	-3.138	-3.089	-3.250	-1.255	-1.148	.000
VEL-S	.000	-.640	-1.041	-1.598	-.527	-1.082	-.460	.551	.902	.000
VEL-W	.000	1.295	1.436	2.197	3.167	2.549	2.415	1.063	.886	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.000	.000	.000	.000	.026	.337	.342	.021	.000	.000
ELEVATION	1456.000	1459.000	1367.000	1364.000	1360.026	1355.337	1354.342	1352.021	1463.000	1458.000
VEL-N	.000	.000	.000	.000	.000	.477	.449	.000	.000	.000

VEL-E	.000	.000	.000	.000	-.668	-2.084	-2.192	-.837	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	-.477	-.449	.000	.000
VEL-W	.000	.000	.000	.000	.000	.819	.892	.000	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.000	.139	.179	.986	.476	.686	.489	.285	.164	.000
ELEVATION	1454.000	1452.139	1451.179	1450.986	1452.476	1448.686	1445.489	1442.285	1440.164	1441.000
VEL-N	.000	.276	.145	-.778	1.396	1.686	1.277	.841	.000	.000
VEL-E	.000	-.886	-1.063	-2.415	-2.549	-3.167	-2.197	-1.436	-1.295	.000
VEL-S	.000	.000	-.276	-.145	.778	-1.396	-1.686	-1.277	-.841	.000
VEL-W	.000	1.077	1.174	2.450	2.139	3.165	2.755	2.136	1.763	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.099	.278	.363	.591	.711	.429	.451	.688	.136	.000
ELEVATION	1430.099	1430.278	1432.363	1434.591	1436.711	1440.429	1442.451	1438.688	1443.136	1447.000
VEL-N	.000	.262	1.272	1.430	1.286	1.147	.860	-1.192	.751	.000
VEL-E	.000	-1.763	-2.136	-2.755	-3.165	-2.139	-2.450	-1.174	-1.077	.000
VEL-S	-.262	-1.272	-1.430	-1.286	-1.147	-.860	1.192	-.751	.000	.000
VEL-W	.000	2.382	2.505	2.603	2.624	2.045	2.083	1.601	.717	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.000	.068	.402	.383	.603	.775	.726	.503	.428	.000
ELEVATION	1442.000	1437.068	1433.402	1432.383	1428.603	1426.775	1424.726	1422.503	1421.428	1422.000
VEL-N	.000	.000	.634	1.206	1.009	1.236	1.267	.977	.000	.000
VEL-E	.000	-.717	-1.601	-2.083	-2.045	-2.624	-2.603	-2.505	-2.382	.000
VEL-S	.000	.000	.000	-.634	-1.206	-1.009	-1.236	-1.267	-.977	.000
VEL-W	.000	.000	1.597	1.746	1.626	2.288	2.381	2.524	2.646	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.588	.687	.776	.613	.332	.458	.329	.000	.000
ELEVATION	1413.000	1412.588	1413.687	1416.776	1420.613	1423.332	1424.458	1426.329	1432.000	1435.000
VEL-N	.000	.000	1.044	1.678	1.662	1.062	.674	.769	.000	.000
VEL-E	.000	-2.646	-2.524	-2.381	-2.288	-1.626	-1.746	-1.597	.000	.000
VEL-S	.000	-1.044	-1.678	-1.662	-1.062	-.674	-.769	.000	.000	.000
VEL-W	.000	3.095	3.044	2.595	2.041	2.122	1.644	1.311	.000	.000

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.000	.000	.000	.011	.023	.000	.000	.000	.000	.000
ELEVATION	1437.000	1344.000	1346.000	1347.011	1350.023	1353.000	1358.000	1360.000	1354.000	1353.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-.892	-.819	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.000	.281	.458	.366	.331	.426	.551	.673	.242
ELEVATION	1427.000	1422.000	1420.281	1417.458	1415.366	1414.331	1409.426	1406.551	1404.673	1403.242
VEL-N	.000	.000	.750	1.074	.789	1.660	1.806	1.734	1.114	.704
VEL-E	.000	.000	-1.311	-1.644	-2.122	-2.041	-2.595	-3.044	-3.095	.000
VEL-S	.000	.000	.000	-.750	-1.074	-.789	-1.660	-1.806	-1.734	-1.114
VEL-W	.000	.000	.844	1.439	2.402	2.128	3.191	3.141	3.403	1.620

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.617	.683	.678	.450	.357	.380	.232	.095	.000	.000
ELEVATION	1393.617	1396.683	1397.678	1400.450	1403.357	1406.380	1411.232	1414.095	1416.000	1421.000
VEL-N	.000	1.764	1.035	1.533	1.343	1.200	1.113	.000	.000	.000
VEL-E	-1.620	-3.403	-3.141	-3.191	-2.128	-2.402	-1.439	-.844	.000	.000
VEL-S	-1.764	-1.035	-1.533	-1.343	-1.200	-1.113	.000	.000	.000	.000
VEL-W	2.536	2.731	2.684	2.591	1.905	1.943	1.195	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.121	.353	.402	.538	.627	.701	.749
ELEVATION	1413.000	1412.000	1408.000	1403.121	1398.353	1395.402	1392.538	1390.627	1387.701	1384.749
VEL-N	.000	.000	.000	.706	1.144	1.240	1.229	1.473	1.417	1.265
VEL-E	.000	.000	.000	-1.195	-1.943	-1.905	-2.591	-2.684	-2.731	-2.536
VEL-S	.000	.000	.000	.000	-.706	-1.144	-1.240	-1.229	-1.473	-1.417
VEL-W	.000	.000	.000	.519	1.144	1.713	2.019	2.433	2.588	2.566

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.159	.017	.000	.000	.151	.095	.303	.172	.558
ELEVATION	1409.000	1400.159	1394.017	1389.000	1392.000	1376.151	1378.095	1381.303	1369.172	1373.558
VEL-N	.000	.000	.000	.000	.000	.000	.000	.637	.301	1.115
VEL-E	.000	.000	-.503	.000	.000	.000	.000	.987	.000	-1.319
VEL-S	.000	-.704	.000	.000	.000	.000	-.637	-1.265	-1.115	-1.281
VEL-W	.000	.503	.000	.000	.000	-.987	.000	1.319	.741	1.977

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.879	.851	.641	.505	.343	.144	.005	.000	.000	.000
ELEVATION	1375.879	1377.851	1382.641	1385.505	1387.343	1392.144	1395.005	1398.000	1392.000	1389.000
VEL-N	1.281	1.314	1.701	1.119	.678	.614	.000	.000	.000	.000
VEL-E	-2.566	-2.588	-2.433	-2.019	-1.713	-1.144	-.519	.000	.000	.000
VEL-S	-1.314	-1.701	-1.119	-.678	-.614	.000	.000	.000	.000	.000
VEL-W	2.542	2.388	1.884	1.676	.794	.485	.000	.000	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.007	.052	.347	.463	.615	.866	.872	.132	.001	.000
ELEVATION	1385.007	1382.052	1377.347	1375.463	1371.615	1368.866	1365.872	1362.132	1358.000	1356.000
VEL-N	.000	.000	.694	1.378	1.412	1.663	1.244	.311	.000	.000
VEL-E	-.485	-.794	-1.676	-1.884	-2.388	-2.542	-1.977	-.741	.000	.000
VEL-S	.000	.000	.000	-.694	-1.378	-1.412	-1.663	-1.244	-.311	.000
VEL-W	.000	.000	.885	1.710	2.758	2.838	2.218	.479	.000	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.000	.000	.012	.466	1.310	.644	.283
ELEVATION	1355.000	1341.000	1345.000	1349.000	1353.000	1355.012	1357.466	1360.310	1363.644	1365.283
VEL-N	.000	.000	.000	.000	.000	.000	.621	1.589	1.612	.628
VEL-E	.000	.000	.000	.000	.000	-.479	-2.218	-2.838	-2.758	-1.710
VEL-S	.000	.000	.000	.000	.000	-.621	-1.589	-1.612	-.628	.000
VEL-W	.000	.000	.000	.000	.000	.000	.837	2.192	2.084	.668

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
200	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 200 IS EQUAL TO .00

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 2.75 (SECONDS) = .992E+04 (TOTAL TIMESTEP NUMBER) = 3.6E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 4776.62

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.019	.101	.153	.665	.000	.000	.000	.010	.248
EVATION	1565.000	1565.019	1565.101	1566.153	1566.665	1568.000	1568.000	1568.000	1365.010	1367.248
VEL-N	.000	.000	.000	.487	.746	.000	.000	.000	.000	.383
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-1.662
VEL-S	.000	.000	-.487	-.746	.000	.000	.000	.000	-.383	-.609
VEL-W	.000	.000	.000	2.100	6.866	.000	.000	.000	.000	1.059

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.136	.199	.855	.115	.099	.000	.000
ELEVATION	1338.000	1337.000	1545.000	1541.136	1543.199	1543.855	1548.115	1549.099	1550.000	1550.000
VEL-N	.000	.000	.000	-.588	-.833	-.922	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-6.866	-2.100	.000	.000	.000
VEL-S	.000	.000	.000	.000	.588	.833	.922	.000	.000	.000
VEL-W	.000	.000	.000	1.027	1.922	5.592	1.836	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.034	.093	.246	.715	.356	.100	.022	.000	.000
ELEVATION	1530.000	1532.034	1534.093	1531.245	1531.715	1530.356	1531.100	1531.022	1533.000	1534.000
VEL-N	.000	.000	.443	-.686	.794	-1.450	.293	-.051	.000	.000
VEL-E	.000	.000	.000	-1.836	-5.592	-1.922	-1.027	.000	.000	.000
VEL-S	.000	-.443	.686	-.794	1.450	-.293	.051	.000	.000	.000
VEL-W	.000	.000	1.493	2.652	4.681	3.503	1.090	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.102	.679	.833	.250	.100	.000	.000
ELEVATION	1522.000	1521.000	1519.000	1517.102	1516.679	1517.833	1518.250	1520.100	1521.000	1518.000
VEL-N	.000	.000	.000	.221	-1.400	-.401	.000	.000	.000	.000
VEL-E	.000	.000	.000	-1.090	-3.503	-4.681	-2.652	-1.493	.000	.000
VEL-S	.000	.000	.000	.000	-.221	1.400	.401	.000	.000	.000
VEL-W	.000	.000	.000	.845	3.573	3.669	2.394	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.242	.497	.538	.879	.207	.000	.000	.000
ELEVATION	1503.000	1504.000	1500.242	1503.497	1505.538	1504.879	1506.207	1507.000	1509.000	1510.000
VEL-N	.000	.000	.000	1.459	1.239	-.631	.420	.000	.000	.000
VEL-E	.000	.000	.000	-2.394	-3.669	-3.573	-.845	.000	.000	.000
VEL-S	.000	.000	-1.459	-1.239	.631	-.420	.000	.000	.000	.000
VEL-W	.000	.000	2.424	2.160	2.998	3.373	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.000	.000	1.142	1.714	.211	.311	.000	.000
ELEVATION	1497.000	1497.000	1650.000	1600.000	1495.142	1490.714	1493.211	1489.311	1493.000	1492.000
VEL-N	.000	.000	.000	.000	2.706	-.659	1.099	.000	.000	.000
VEL-E	.000	.000	.000	.000	-3.373	-2.998	-2.160	-2.424	.000	.000
VEL-S	.000	.000	.000	.000	.000	-2.706	.659	-1.099	.000	.000
VEL-W	.000	.000	.000	.000	.000	3.436	1.978	2.728	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.081	.149	.349	.566	1.206	.000	.000	.000
ELEVATION	1476.000	1476.000	1478.081	1478.149	1479.349	1480.566	1484.206	1540.000	1600.000	1482.000
VEL-N	.000	.000	.000	.117	.816	1.233	2.367	.000	.000	.000
VEL-E	.000	.000	.000	.000	-2.728	-1.978	-3.436	.000	.000	.000
VEL-S	.000	.000	-.117	-.816	-1.233	-2.367	.000	.000	.000	.000
VEL-W	.000	.000	.000	1.633	3.541	3.551	3.493	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.246	.036	.000	.000	.000	.000	.000	.000
ELEVATION	1483.000	1484.000	1371.246	1373.036	1376.000	1379.000	1372.000	1370.000	1476.000	1475.000

VEL-N	.000	.000	.967	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-1.378	-.788	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.748	.000	.000	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.249	.350	.525	.562	.920	.100	.100	.030	.000
ELEVATION	1473.000	1467.249	1470.350	1473.525	1469.562	1464.920	1466.100	1462.100	1461.030	1462.000
VEL-N	.000	-.823	-1.208	1.742	2.300	-.443	.816	.316	.000	.000
VEL-E	.000	.000	.000	-3.493	-3.551	-3.541	-1.633	.000	.000	.000
VEL-S	.000	.000	.823	1.208	-1.742	-2.300	.443	-.816	-.316	.000
VEL-W	.000	1.132	1.201	3.130	2.971	3.025	1.114	1.073	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.101	.186	.356	.819	1.021	.512	.159	.224	.810
ELEVATION	1453.000	1450.101	1452.186	1455.356	1458.819	1459.021	1460.512	1462.159	1459.224	1453.810
VEL-N	.000	.000	.619	.999	1.534	.501	1.050	.444	-.526	-.898
VEL-E	.000	.000	-1.073	-1.114	-3.025	-2.971	-3.130	-1.201	-1.132	.000
VEL-S	.000	-.619	-.999	-1.534	-.501	-1.050	-.444	.526	.898	.000
VEL-W	.000	1.299	1.369	2.120	3.053	2.458	2.329	1.019	.881	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.000	.000	.000	.038	.198	.653	.684	.935	.000	.000
ELEVATION	1456.000	1459.000	1367.000	1364.038	1360.198	1355.653	1354.684	1352.935	1463.000	1458.000
VEL-N	.000	.000	.000	.000	.741	.767	1.079	1.676	.000	.000
VEL-E	.000	.000	.000	-.748	-1.196	-2.174	-1.984	-2.010	.000	.000
VEL-S	.000	.000	.000	.000	.000	-.741	-.767	-1.079	.000	.000
VEL-W	.000	.000	.000	.000	.701	1.661	2.432	2.604	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.000	.132	.166	.938	.451	.650	.464	.268	.156	.000
ELEVATION	1454.000	1452.132	1451.166	1450.938	1452.451	1448.650	1445.464	1442.268	1440.156	1441.000
VEL-N	.000	.266	.150	-.756	1.349	1.624	1.229	.808	.000	.000
VEL-E	.000	-.881	-1.019	-2.329	-2.458	-3.053	-2.120	-1.369	-1.299	.000
VEL-S	.000	.000	-.266	-.150	.756	-1.349	-1.624	-1.229	-.808	.000
VEL-W	.000	.975	1.116	2.362	2.064	3.054	2.659	2.051	1.705	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.100	.264	.341	.562	.675	.407	.425	.627	.105	.000
ELEVATION	1430.100	1430.264	1432.341	1434.562	1436.675	1440.407	1442.425	1438.627	1443.105	1447.000
VEL-N	.000	.245	1.223	1.375	1.240	1.109	.828	-1.151	.634	.000
VEL-E	.000	-1.705	-2.051	-2.659	-3.054	-2.064	-2.362	-1.116	-.975	.000
VEL-S	-.245	-1.223	-1.375	-1.240	-1.109	-.828	1.151	-.634	.000	.000
VEL-W	.908	2.307	2.406	2.514	2.534	1.975	2.022	1.565	.734	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.765	.070	.000	.000	.000	.001	.000	.000
ELEVATION	1451.000	1456.000	1349.765	1345.070	1342.000	1340.000	1339.000	1338.001	1447.000	1444.000
VEL-N	.000	.000	1.179	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-2.336	-.687	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	-1.676	-1.179	.000	.000	.000	-.493	.000	.000
VEL-W	.000	.000	1.531	.000	.000	.000	.000	.000	.000	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.000	.107	.438	.374	.580	.741	.692	.474	.408	.042
ELEVATION	1442.000	1437.107	1433.438	1432.374	1428.580	1426.741	1424.692	1422.474	1421.408	1422.042
VEL-N	.000	.451	.664	1.188	.986	1.198	1.222	.938	.000	.000
VEL-E	.000	-.734	-1.565	-2.022	-1.975	-2.534	-2.514	-2.406	-2.307	-.908
VEL-S	.000	.000	-.451	-.664	-1.188	-.986	-1.198	-1.222	-.938	.000
VEL-W	.000	.398	1.625	1.721	1.575	2.214	2.306	2.426	2.567	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.561	.646	.740	.580	.311	.420	.309	.010	.000
ELEVATION	1413.000	1412.561	1413.646	1416.740	1420.580	1423.311	1424.420	1426.309	1432.010	1435.000
VEL-N	.000	.000	1.000	1.620	1.603	1.019	.633	.737	.000	.000
VEL-E	.000	-2.567	-2.426	-2.306	-2.214	-1.575	-1.721	-1.625	-.398	.000
VEL-S	.000	-1.000	-1.620	-1.603	-1.019	-.633	-.737	.000	.000	.000
VEL-W	.000	3.002	2.924	2.511	1.967	2.031	1.549	1.258	.000	.000

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.000	.146	.754	.774	.312	.020	.000	.000	.000	.000
ELEVATION	1437.000	1344.146	1346.754	1347.774	1350.312	1353.021	1358.000	1360.000	1354.000	1353.000
VEL-N	.000	.493	1.179	1.125	.968	.000	.000	.000	.000	.000
VEL-E	.000	-1.531	-2.604	-2.432	-1.661	-.701	.000	.000	.000	.000
VEL-S	.000	-1.179	-1.125	-.968	.000	.000	.000	.000	.000	.000
VEL-W	.000	.532	1.330	1.750	1.252	.000	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.000	.266	.428	.347	.314	.406	.522	.644	.216
ELEVATION	1427.000	1422.000	1420.266	1417.428	1415.347	1414.314	1409.406	1406.521	1404.645	1403.216
VEL-N	.000	.000	.728	1.031	.761	1.605	1.751	1.670	1.068	.733
VEL-E	.000	.000	-1.258	-1.549	-2.031	-1.967	-2.511	-2.924	-3.002	.000
VEL-S	.000	.000	.000	-.728	-1.031	-.761	-1.605	-1.751	-1.670	-1.068
VEL-W	.000	.000	.927	1.422	2.319	2.056	3.090	3.026	3.306	1.504

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.585	.656	.647	.430	.341	.365	.250	.165	.000	.000
ELEVATION	1393.585	1396.656	1397.647	1400.430	1403.341	1406.365	1411.250	1414.165	1416.000	1421.000
VEL-N	.000	1.714	1.000	1.490	1.305	1.167	1.179	.601	.000	.000
VEL-E	-1.504	-3.306	-3.026	-3.090	-2.056	-2.319	-1.422	-.927	.000	.000
VEL-S	-1.714	-1.000	-1.490	-1.305	-1.167	-1.179	-.601	.000	.000	.000
VEL-W	2.448	2.662	2.595	2.515	1.851	1.938	1.371	.619	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.000	.065	.210	.071	.001	.000	.010	.000	.000	.000
ELEVATION	1350.000	1344.065	1343.210	1343.071	1337.001	1337.000	1338.010	1337.000	1336.000	1335.000
VEL-N	.000	.000	.120	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	-1.252	-1.750	-1.330	-.532	.000	-.755	.000	.000	.000
VEL-S	.000	.000	.000	-.120	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.755	.000	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.034	.182	.380	.379	.504	.593	.673	.726
ELEVATION	1413.000	1412.000	1408.034	1403.182	1398.380	1395.379	1392.504	1390.593	1387.673	1384.726
VEL-N	.000	.000	.000	.940	1.220	1.193	1.175	1.419	1.379	1.201
VEL-E	.000	.000	-.619	-1.371	-1.938	-1.851	-2.515	-2.595	-2.662	-2.448
VEL-S	.000	.000	.000	.000	-.940	-1.220	-1.193	-1.175	-1.419	-1.379
VEL-W	.000	.000	.000	.814	1.350	1.730	1.950	2.345	2.518	2.505

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.229	.087	.000	.000	.412	.104	.239	.285	.456
ELEVATION	1409.000	1400.229	1394.087	1389.000	1392.000	1376.412	1378.104	1381.239	1369.285	1373.456
VEL-N	.000	.000	.000	.000	.000	.000	.339	.571	.609	1.103
VEL-E	.000	.000	-.748	.000	.000	.000	.000	.997	-.685	-1.124
VEL-S	.000	-.733	.000	.000	.000	-.339	-.571	-1.201	-1.103	-1.279
VEL-W	.000	.748	.000	.000	.000	-.997	.685	1.124	1.186	1.739

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.920	.838	.613	.488	.487	.254	.062	.000	.000	.000
ELEVATION	1375.920	1377.838	1382.613	1385.488	1387.487	1392.254	1395.062	1398.000	1392.000	1389.000

VEL-N	1.279	1.287	1.648	1.097	.912	.910	.000	.000	.000	.000
VEL-E	-2.505	-2.518	-2.345	-1.950	-1.730	-1.350	-.814	.000	.000	.000
VEL-S	-1.287	-1.648	-1.097	-.912	-.910	.000	.000	.000	.000	.000
VEL-W	2.473	2.346	1.819	1.826	1.192	.844	.000	.000	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.084	.220	.526	.435	.588	.741	.602	.417	.166	.003
ELEVATION	1385.084	1382.220	1377.526	1375.435	1371.588	1368.741	1365.602	1362.417	1358.166	1356.003
VEL-N	.000	.813	.924	1.323	1.393	1.420	1.192	.937	.282	.000
VEL-E	-.844	-1.192	-1.826	-1.819	-2.346	-2.473	-1.739	-1.186	-1.059	.000
VEL-S	.000	.000	-.813	-.924	-1.323	-1.393	-1.420	-1.192	-.937	-.282
VEL-W	.000	.788	1.378	1.889	2.594	2.550	2.084	1.695	.675	.000

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.000	.000	.004	.183	.739	.805	.840	.536	.512
ELEVATION	1355.000	1341.000	1345.000	1349.004	1353.183	1355.739	1357.805	1359.840	1363.536	1365.512
VEL-N	.000	.000	.000	.000	.412	1.124	1.436	1.308	1.489	1.051
VEL-E	.000	.000	.000	.000	-.675	-1.695	-2.084	-2.550	-2.594	-1.889
VEL-S	.000	.000	.000	-.412	-1.124	-1.436	-1.308	-1.489	-1.051	-.967
VEL-W	.000	.000	.000	.000	.687	2.336	2.010	1.984	2.174	1.196

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
200	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 200 IS EQUAL TO .00

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 3.00 (SECONDS) = .108E+05 (TOTAL TIMESTEP NUMBER) = 3.9E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 3378.27

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.020	.101	.116	.546	.000	.000	.000	.138	.558
ELEVATION	1565.000	1565.020	1565.101	1566.116	1566.546	1568.000	1568.000	1568.000	1365.138	1367.557
VEL-N	.000	.000	.000	.431	.595	.000	.000	.000	.000	.795
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-2.496
VEL-S	.000	.000	-.431	-.595	.000	.000	.000	.000	-.795	-.555
VEL-W	.000	.000	.000	1.843	6.032	.000	.000	.000	.780	2.103

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.110	.160	.706	.103	.099	.000	.000
ELEVATION	1338.000	1337.000	1545.000	1541.110	1543.160	1543.706	1548.103	1549.099	1550.000	1550.000
VEL-N	.000	.000	.000	-.508	-.667	-.875	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-6.032	-1.843	.000	.000	.000
VEL-S	.000	.000	.000	.000	.508	.667	.875	.000	.000	.000
VEL-W	.000	.000	.000	.957	1.661	4.955	1.717	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.037	.100	.198	.606	.298	.102	.024	.000	.000

ELEVATION	1530.000	1532.037	1534.100	1531.198	1531.606	1530.298	1531.102	1531.024	1533.000	1534.000
VEL-N	.000	.000	.000	.000	.659	-1.272	.308	-.052	.000	.000
VEL-E	.000	.000	.000	-1.717	-4.955	-1.661	-.957	.000	.000	.000
VEL-S	.000	.000	.000	-.659	1.272	-.308	.052	.000	.000	.000
VEL-W	.000	.000	.000	2.299	4.198	3.114	1.087	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.102	.580	.715	.207	.096	.000	.000
ELEVATION	1522.000	1521.000	1519.000	1517.102	1516.580	1517.715	1518.207	1520.096	1521.000	1518.000
VEL-N	.000	.000	.000	.000	-1.254	-.386	.000	.000	.000	.000
VEL-E	.000	.000	.000	-1.087	-3.114	-4.198	-2.299	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	1.254	.386	.000	.000	.000
VEL-W	.000	.000	.000	.000	3.225	3.315	2.121	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.213	.428	.464	.766	.191	.000	.000	.000
ELEVATION	1503.000	1504.000	1500.213	1503.428	1505.464	1504.766	1506.191	1507.000	1509.000	1510.000
VEL-N	.000	.000	.000	1.321	1.122	-.589	.417	.000	.000	.000
VEL-E	.000	.000	.000	-2.121	-3.315	-3.225	.000	.000	.000	.000
VEL-S	.000	.000	-1.321	-1.122	.589	-.417	.000	.000	.000	.000
VEL-W	.000	.000	2.228	1.960	2.729	3.082	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.000	.000	1.007	1.522	.184	.278	.000	.000
ELEVATION	1497.000	1497.000	1650.000	1600.000	1495.007	1490.522	1493.184	1489.278	1493.000	1492.000
VEL-N	.000	.000	.000	.000	2.507	-.622	1.006	.000	.000	.000
VEL-E	.000	.000	.000	.000	-3.082	-2.729	-1.960	-2.228	.000	.000
VEL-S	.000	.000	.000	.000	.000	-2.507	.622	-1.006	.000	.000
VEL-W	.000	.000	.000	.000	.000	3.174	1.812	2.537	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.091	.132	.316	.508	1.088	.000	.000	.000
ELEVATION	1476.000	1476.000	1478.091	1478.132	1479.316	1480.508	1484.088	1540.000	1600.000	1482.000
VEL-N	.000	.000	.000	.089	.756	1.140	2.193	.000	.000	.000
VEL-E	.000	.000	.000	.000	-2.537	-1.812	-3.174	.000	.000	.000
VEL-S	.000	.000	-.089	-.756	-1.140	-2.193	.000	.000	.000	.000
VEL-W	.000	.000	.000	1.556	3.325	3.317	3.255	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.344	.168	.038	.000	.000	.000	.000	.000
ELEVATION	1483.000	1484.000	1371.344	1373.168	1376.038	1379.000	1372.000	1370.000	1476.000	1475.000
VEL-N	.000	.000	1.230	.420	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-1.523	-1.176	-.762	.000	.000	.000	.000	.000
VEL-S	.000	.000	-.420	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	1.114	.578	.000	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.229	.324	.473	.510	.845	.099	.101	.040	.000
ELEVATION	1473.000	1467.229	1470.324	1473.473	1469.510	1464.845	1466.099	1462.101	1461.040	1462.000
VEL-N	.000	-.781	-1.132	1.628	2.164	-.456	.814	.332	.000	.000
VEL-E	.000	.000	.000	-3.255	-3.317	-3.325	-1.556	.000	.000	.000
VEL-S	.000	.000	.781	1.132	-1.628	-2.164	.456	-.814	-.332	.000
VEL-W	.000	1.080	1.144	2.941	2.791	2.864	1.113	1.080	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.100	.172	.332	.758	.949	.470	.149	.212	.983
ELEVATION	1453.000	1450.100	1452.172	1455.332	1458.758	1458.949	1460.470	1462.149	1459.212	1453.983
VEL-N	.000	.000	.595	.951	1.453	.463	1.003	.428	-.503	-.851
VEL-E	.000	.000	-1.080	-1.113	-2.864	-2.791	-2.941	-1.144	-1.080	.000
VEL-S	.000	-.595	-.951	-1.453	-.463	-1.003	-.428	.503	.851	.000

VEL-W	.000	1.287	1.300	2.026	2.908	2.337	2.204	.974	.866	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.000	.000	.015	.164	.325	.693	.621	.595	.000	.000
ELEVATION	1456.000	1459.000	1367.015	1364.164	1360.325	1355.693	1354.621	1352.595	1463.000	1458.000
VEL-N	.000	.000	.000	.603	1.057	.816	1.066	1.280	.000	.000
VEL-E	.000	.000	-.578	-1.114	-1.377	-2.204	-2.003	-1.871	.000	.000
VEL-S	.000	.000	.000	.000	-.603	-1.057	-.816	-1.066	.000	.000
VEL-W	.000	.000	.000	.661	1.190	1.782	2.257	2.020	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.000	.136	.156	.882	.421	.608	.436	.251	.149	.000
ELEVATION	1454.000	1452.136	1451.156	1450.882	1452.421	1448.608	1445.436	1442.251	1440.149	1441.000
VEL-N	.000	.273	.158	-.728	1.290	1.553	1.177	.776	.000	.000
VEL-E	.000	-.866	-.974	-2.204	-2.337	-2.908	-2.026	-1.300	-1.287	.000
VEL-S	.000	.000	-.273	-.158	.728	-1.290	-1.553	-1.177	-.776	.000
VEL-W	.000	.976	1.075	2.262	1.976	2.923	2.553	1.968	1.652	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.101	.251	.322	.530	.635	.383	.397	.562	.102	.000
ELEVATION	1430.101	1430.251	1432.322	1434.531	1436.635	1440.383	1442.397	1438.562	1443.102	1447.000
VEL-N	.000	.229	1.176	1.320	1.191	1.067	.792	-1.107	.625	.000
VEL-E	.000	-1.652	-1.968	-2.553	-2.923	-1.976	-2.262	-1.075	-.976	.000
VEL-S	-.229	-1.176	-1.320	-1.191	-1.067	-.792	1.107	-.625	.000	.000
VEL-W	.000	2.227	2.313	2.422	2.434	1.896	1.943	1.459	.717	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.589	.781	.100	.000	.000	.100	.000	.000
ELEVATION	1451.000	1456.000	1349.589	1345.781	1342.100	1340.000	1339.000	1338.100	1447.000	1444.000
VEL-N	.000	.000	1.443	1.149	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-1.866	-1.734	-.640	.000	.000	-1.869	.000	.000
VEL-S	.000	.000	-1.280	-1.443	-1.149	.000	.000	-2.237	.000	.000
VEL-W	.000	.000	1.796	1.869	.000	.000	.000	.000	.000	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.000	.101	.401	.355	.551	.701	.657	.448	.387	.079
ELEVATION	1442.000	1437.101	1433.401	1432.355	1428.551	1426.702	1424.657	1422.448	1421.387	1422.079
VEL-N	.000	.436	.629	1.150	.956	1.155	1.177	.902	.000	.000
VEL-E	.000	-.717	-1.459	-1.943	-1.896	-2.434	-2.422	-2.313	-2.227	.000
VEL-S	.000	.000	-.436	-.629	-1.150	-.956	-1.155	-1.177	-.902	.000
VEL-W	.000	.434	1.577	1.662	1.523	2.137	2.228	2.338	2.477	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.532	.614	.707	.553	.298	.411	.314	.033	.000
ELEVATION	1413.000	1412.532	1413.614	1416.707	1420.553	1423.298	1424.411	1426.314	1432.033	1435.000
VEL-N	.000	.000	.964	1.568	1.554	.993	.622	.749	.000	.000
VEL-E	.000	-2.477	-2.338	-2.228	-2.137	-1.523	-1.662	-1.577	-.434	.000
VEL-S	.000	-.964	-1.568	-1.554	-.993	-.622	-.749	.000	.000	.000
VEL-W	.000	2.898	2.824	2.431	1.903	1.974	1.524	1.240	.000	.000

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.000	.910	.683	.642	.376	.147	.019	.000	.000	.000
ELEVATION	1437.000	1344.910	1346.683	1347.642	1350.376	1353.147	1358.019	1360.000	1354.000	1353.000
VEL-N	.000	2.237	1.396	.977	1.155	.608	.000	.000	.000	.000
VEL-E	.000	-1.796	-2.020	-2.257	-1.782	-1.190	-.661	.000	.000	.000
VEL-S	.000	-1.396	-.977	-1.155	-.608	.000	.000	.000	.000	.000
VEL-W	.000	2.396	1.752	1.973	1.827	.491	.000	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.000	.247	.407	.330	.299	.387	.496	.613	.202

ELEVATION	1427.000	1422.000	1420.247	1417.407	1415.330	1414.299	1409.387	1406.496	1404.613	1403.202
VEL-N	.000	.000	.693	.995	.736	1.553	1.698	1.616	1.024	.696
VEL-E	.000	.000	-1.240	-1.524	-1.974	-1.903	-2.431	-2.824	-2.898	.000
VEL-S	.000	.000	.000	-.693	-.995	-.736	-1.553	-1.698	-1.616	-1.024
VEL-W	.000	.000	.906	1.379	2.242	1.989	2.992	2.926	3.199	1.435

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.557	.625	.615	.410	.325	.348	.243	.170	.000	.000
ELEVATION	1393.557	1396.625	1397.615	1400.410	1403.325	1406.348	1411.243	1414.170	1416.000	1421.000
VEL-N	-.196	1.658	.967	1.445	1.264	1.130	1.156	.617	.000	.000
VEL-E	-1.435	-3.199	-2.926	-2.992	-1.989	-2.242	-1.379	-.906	.000	.000
VEL-S	-1.658	-.967	-1.445	-1.264	-1.130	-1.156	-.617	.000	.000	.000
VEL-W	2.371	2.577	2.510	2.435	1.791	1.880	1.347	.765	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.008	.278	.765	.588	.100	.100	.100	.100	.000	.000
ELEVATION	1350.008	1344.278	1343.765	1343.588	1337.100	1337.100	1338.100	1337.100	1336.000	1335.000
VEL-N	.000	.473	.431	1.669	.000	.000	.000	.000	.000	.000
VEL-E	-.491	-1.827	-1.973	-1.752	-2.396	-1.947	-2.120	-1.644	.000	.000
VEL-S	.000	.000	-.473	-.431	-1.669	.000	.000	.000	.000	.000
VEL-W	.000	1.644	2.120	1.947	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.102	.178	.358	.361	.479	.565	.642	.693
ELEVATION	1413.000	1412.000	1408.102	1403.178	1398.358	1395.361	1392.479	1390.565	1387.641	1384.693
VEL-N	.000	.000	.648	.930	1.172	1.158	1.138	1.373	1.335	1.158
VEL-E	.000	.000	-.765	-1.347	-1.880	-1.791	-2.435	-2.510	-2.577	-2.371
VEL-S	.000	.000	.000	-.648	-.930	-1.172	-1.158	-1.138	-1.373	-1.335
VEL-W	.000	.000	.692	.965	1.345	1.676	1.895	2.269	2.439	2.430

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.241	.107	.017	.000	.640	.102	.225	.260	.426
ELEVATION	1409.000	1400.241	1394.107	1389.017	1392.000	1376.640	1378.102	1381.225	1369.260	1373.426
VEL-N	.000	.000	.414	.000	.000	.000	.312	.553	.555	1.045
VEL-E	.000	.000	-.806	.000	.000	.000	.000	.933	-.680	-1.080
VEL-S	.000	-.696	.196	-.414	.000	-.312	-.553	-1.158	-1.045	-1.229
VEL-W	.000	.806	.846	.000	.000	-.933	.680	1.080	1.118	1.660

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.875	.800	.581	.471	.471	.274	.136	.003	.000	.016
ELEVATION	1375.875	1377.800	1382.581	1385.471	1387.471	1392.274	1395.136	1398.003	1392.000	1389.016
VEL-N	1.229	1.249	1.591	1.076	.895	.966	.463	.000	.000	.000
VEL-E	-2.430	-2.439	-2.269	-1.895	-1.676	-1.345	-.965	-.692	.000	-.514
VEL-S	-1.249	-1.591	-1.076	-.895	-.966	-.463	.000	.000	.000	.000
VEL-W	2.408	2.264	1.775	1.781	1.251	1.012	.514	.000	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.166	.292	.552	.431	.553	.724	.564	.336	.603	.124
ELEVATION	1385.166	1382.292	1377.552	1375.432	1371.552	1368.724	1365.564	1362.336	1358.603	1356.124
VEL-N	.530	1.001	.948	1.321	1.332	1.386	1.103	.979	.821	.185
VEL-E	-1.012	-1.251	-1.781	-1.775	-2.264	-2.408	-1.660	-1.118	-2.103	-.780
VEL-S	.000	-.530	-1.001	-.948	-1.321	-1.332	-1.386	-1.103	-.979	-.821
VEL-W	.762	1.176	1.523	1.875	2.552	2.503	1.989	1.485	1.544	.653

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.001	.000	.002	.131	.471	.523	.800	.903	.548	.553
ELEVATION	1355.001	1341.000	1345.002	1349.131	1353.471	1355.523	1357.800	1359.903	1363.548	1365.553
VEL-N	.000	.000	.000	.332	.960	1.056	1.345	1.361	1.501	1.117
VEL-E	.000	.000	.000	-.653	-1.544	-1.485	-1.989	-2.503	-2.552	-1.875
VEL-S	-.185	.000	-.332	-.960	-1.056	-1.345	-1.361	-1.501	-1.117	-1.230

VEL-W	.000	.000	.000	.640	1.734	1.866	1.871	2.003	2.204	1.377

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
200	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 200 IS EQUAL TO .00

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	1.430	1.180	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1330.430	1329.180	.000	.000	.000	.000	.000	.000	.000	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.000	.000	.780	.032	.686	2.069	.000	.000
ELEVATION	.000	.000	.000	.000	1331.780	1331.032	1330.686	1331.069	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.000	.000	.000	.000	2.342	1.130	.882	.363	.008	.000
ELEVATION	.000	.000	.000	.000	1330.342	1329.130	1329.882	1328.363	1327.008	1326.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 3.25 (SECONDS) = .117E+05 (TOTAL TIMESTEP NUMBER) = 4.2E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 2078.25

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.021	.100	.101	.416	.000	.000	.000	.280	.719
ELEVATION	1565.000	1565.021	1565.100	1566.100	1566.416	1568.000	1568.000	1568.000	1365.280	1367.719
VEL-N	.000	.000	.000	.409	.433	.000	.000	.000	.000	1.020
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-2.996
VEL-S	.000	.000	-.409	-.433	.000	.000	.000	.000	-1.020	-.513
VEL-W	.000	.000	.000	1.702	5.046	.000	.000	.000	1.315	2.492

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.100	.118	.542	.099	.098	.000	.000
ELEVATION	1338.000	1337.000	1545.000	1541.100	1543.119	1543.542	1548.099	1549.098	1550.000	1550.000
VEL-N	.000	.000	.000	-.439	-.495	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-5.046	-1.702	.000	.000	.000
VEL-S	.000	.000	.000	.000	.439	.495	.000	.000	.000	.000
VEL-W	.000	.000	.000	.906	1.366	4.216	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.041	.093	.149	.485	.235	.099	.026	.000	.000
ELEVATION	1530.000	1532.041	1534.093	1531.149	1531.485	1530.235	1531.099	1531.026	1533.000	1534.000
VEL-N	.000	.000	.000	.000	.511	-1.071	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-4.216	-1.366	-.906	.000	.000	.000
VEL-S	.000	.000	.000	-.511	1.071	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	1.932	3.625.	2.675	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40

DEPTH	.000	.000	.000	.097	.473	.582	.159	.099	.000	.000
ELEVATION	1522.000	1521.000	1519.000	1517.097	1516.473	1517.582	1518.159	1520.099	1521.000	1518.000
VEL-N	.000	.000	.000	.267	-1.083	-.350	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-2.675	-3.625	-1.932	.000	.000	.000
VEL-S	.000	.000	.000	.000	-.267	1.083	.350	.000	.000	.000
VEL-W	.000	.000	.000	.839	2.815	2.899	1.779	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.177	.350	.383	.638	.166	.000	.000	.000
ELEVATION	1503.000	1504.000	1500.177	1503.350	1505.383	1504.638	1506.166	1507.000	1509.000	1510.000
VEL-N	.000	.000	.000	1.153	.985	-.536	.388	.000	.000	.000
VEL-E	.000	.000	.000	-1.779	-2.899	-2.815	-.839	.000	.000	.000
VEL-S	.000	.000	-1.153	-.985	.536	-.388	.000	.000	.000	.000
VEL-W	.000	.000	1.971	1.715	2.416	2.736	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.000	.000	.852	1.298	.153	.236	.000	.000
ELEVATION	1497.000	1497.000	1650.000	1600.000	1494.852	1490.298	1493.153	1489.236	1493.000	1492.000
VEL-N	.000	.000	.000	.000	2.261	-.569	.889	.000	.000	.000
VEL-E	.000	.000	.000	.000	-2.736	-2.416	-1.715	-1.971	.000	.000
VEL-S	.000	.000	.000	.000	.000	-2.261	.569	-.889	.000	.000
VEL-W	.000	.000	.000	.000	.000	2.852	1.602	2.278	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.098	.109	.273	.440	.945	.000	.000	.000
ELEVATION	1476.000	1476.000	1478.098	1478.109	1479.273	1480.440	1483.945	1540.000	1600.000	1482.000
VEL-N	.000	.000	.000	.045	.675	1.024	1.974	.000	.000	.000
VEL-E	.000	.000	.000	.000	-2.278	-1.602	-2.852	.000	.000	.000
VEL-S	.000	.000	-.045	-.675	-1.024	-1.974	.000	.000	.000	.000
VEL-W	.000	.000	.000	1.437	3.027	3.014	2.952	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.356	.264	.120	.000	.000	.008	.000	.000
ELEVATION	1483.000	1484.000	1371.356	1373.264	1376.120	1379.000	1372.000	1370.008	1476.000	1475.000
VEL-N	.000	.000	1.264	.590	.478	.000	.000	.000	.000	.000
VEL-E	.000	.000	-1.493	-1.287	-.993	.000	.000	-.524	.000	.000
VEL-S	.000	.000	-.590	-.478	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	1.228	.941	.524	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.208	.288	.411	.444	.742	.102	.098	.050	.000
ELEVATION	1473.000	1467.208	1470.288	1473.411	1469.444	1464.742	1466.102	1462.098	1461.050	1462.000
VEL-N	.000	-.725	-1.033	1.482	1.981	.000	.000	.345	.000	.000
VEL-E	.000	.000	.000	-2.952	-3.014	-3.027	-1.437	.000	.000	.000
VEL-S	.000	.000	.725	1.033	-1.482	-1.981	.000	.000	-.345	.000
VEL-W	.000	1.017	1.061	2.683	2.550	2.632	.000	1.080	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.099	.156	.296	.670	.848	.413	.135	.195	1.086
ELEVATION	1453.000	1450.099	1452.156	1455.296	1458.670	1458.848	1460.413	1462.135	1459.195	1454.086
VEL-N	.000	.000	.568	.885	1.333	.415	.934	.406	-.472	-.795
VEL-E	.000	.000	-1.080	.000	-2.632	-2.550	-2.683	-1.061	-1.017	.000
VEL-S	.000	-.568	-.885	-1.333	-.415	-.934	-.406	.472	.795	.000
VEL-W	.000	1.283	1.216	1.889	2.688	2.160	2.027	.913	.827	.140

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.000	.000	.108	.231	.349	.711	.605	.610	.000	.000
ELEVATION	1456.000	1459.000	1367.108	1364.231	1360.349	1355.711	1354.605	1352.610	1463.000	1458.000
VEL-N	.000	.000	.443	.769	1.116	.831	1.056	1.261	.000	.000
VEL-E	.000	.000	-.941	-1.228	-1.394	-2.148	-1.936	-1.885	.000	.000

VEL-S	.000	.000	.000	-.443	-.769	-1.116	-.831	-1.056	.000	.000
VEL-W	.000	.000	.441	1.012	1.412	1.816	2.222	2.069	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.047	.130	.145	.797	.375	.545	.395	.230	.140	.000
ELEVATION	1454.047	1452.130	1451.145	1450.797	1452.375	1448.545	1445.395	1442.230	1440.140	1441.000
VEL-N	.000	.266	.169	-.684	1.200	1.444	1.102	.734	.000	.000
VEL-E	-.140	-.827	-.913	-2.027	-2.160	-2.688	-1.889	-1.216	-1.283	.000
VEL-S	.000	.000	-.266	-.169	.684	-1.200	-1.444	-1.102	-.734	.000
VEL-W	.000	.961	1.024	2.113	1.845	2.718	2.392	1.855	1.583	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.099	.235	.296	.486	.576	.349	.362	.530	.102	.000
ELEVATION	1430.099	1430.235	1432.296	1434.486	1436.576	1440.349	1442.362	1438.530	1443.102	1447.000
VEL-N	.000	.211	1.117	1.242	1.116	1.008	.745	-1.041	.630	.000
VEL-E	.000	-1.583	-1.855	-2.392	-2.718	-1.845	-2.113	-1.024	-.961	.000
VEL-S	-.211	-1.117	-1.242	-1.116	-1.008	-.745	1.041	-.630	.000	.000
VEL-W	.000	2.135	2.191	2.286	2.284	1.786	1.830	1.387	.710	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.531	.911	.100	.000	.000	.100	.000	.000
ELEVATION	1451.000	1456.000	1349.531	1345.911	1342.100	1340.000	1339.000	1338.100	1447.000	1444.000
VEL-N	.000	.000	1.304	1.294	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-1.760	-1.892	-1.362	.000	.000	-2.084	.000	.000
VEL-S	.000	.000	-1.261	-1.304	-1.294	.000	.000	-1.981	.000	.000
VEL-W	.000	.000	1.684	2.084	.000	.000	.000	.000	.000	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.000	.100	.361	.326	.509	.643	.608	.416	.368	.100
ELEVATION	1442.000	1437.100	1433.361	1432.326	1428.509	1426.643	1424.608	1422.416	1421.368	1422.100
VEL-N	.000	.000	.588	1.088	.910	1.092	1.115	.860	-.352	.000
VEL-E	.000	-.710	-1.387	-1.830	-1.786	-2.284	-2.286	-2.191	-2.135	.000
VEL-S	.000	.000	.000	-.588	-1.088	-.910	-1.092	-1.115	-.860	.352
VEL-W	.000	.000	1.478	1.570	1.445	2.024	2.117	2.227	2.395	.676

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.007	.504	.574	.660	.515	.278	.382	.287	.056	.000
ELEVATION	1413.007	1412.504	1413.574	1416.660	1420.515	1423.278	1424.382	1426.287	1432.057	1435.000
VEL-N	.000	.000	.921	1.498	1.485	.952	.591	.706	.000	.000
VEL-E	-.676	-2.395	-2.227	-2.117	-2.024	-1.445	-1.570	-1.478	.000	.000
VEL-S	.000	-.921	-1.498	-1.485	-.952	-.591	-.706	.000	.000	.000
VEL-W	.000	2.795	2.706	2.325	1.817	1.887	1.457	1.180	.000	.000

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.000	.763	.623	.627	.385	.261	.109	.001	.000	.004
ELEVATION	1437.000	1344.763	1346.623	1347.627	1350.385	1353.261	1358.109	1360.001	1354.000	1353.004
VEL-N	.000	1.981	1.335	.984	1.179	.919	.780	.000	.000	.000
VEL-E	.000	-1.684	-2.069	-2.222	-1.816	-1.412	-1.012	-.441	.000	-.615
VEL-S	.000	-1.335	-.984	-1.179	-.919	-.780	.000	.000	.000	.000
VEL-W	.000	2.125	1.693	1.917	2.019	.852	.615	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.000	.234	.387	.312	.281	.364	.467	.581	.190
ELEVATION	1427.000	1422.000	1420.234	1417.387	1415.312	1414.281	1409.364	1406.467	1404.581	1403.190
VEL-N	.000	.000	.670	.961	.708	1.493	1.633	1.556	.980	.669
VEL-E	.000	.000	-1.180	-1.457	-1.887	-1.817	-2.325	-2.706	-2.795	.000
VEL-S	.000	.000	.000	-.670	-.961	-.708	-1.493	-1.633	-1.556	-.980
VEL-W	.000	.000	.865	1.328	2.163	1.911	2.875	2.814	3.087	1.382

NODE	181	182	183	184	185	186	187	188	189	190

DEPTH	.530	.593	.583	.388	.308	.331	.226	.155	.000	.000
ELEVATION	1393.530	1396.593	1397.583	1400.388	1403.308	1406.331	1411.226	1414.155	1416.000	1421.000
VEL-N	-.198	1.601	.933	1.396	1.221	1.091	1.105	.580	.000	.000
VEL-E	-1.382	-3.087	-2.814	-2.875	-1.911	-2.163	-1.328	-.865	.000	.000
VEL-S	-1.601	-.933	-1.396	-1.221	-1.091	-1.105	-.580	.000	.000	.000
VEL-W	2.293	2.488	2.422	2.348	1.729	1.816	1.309	.732	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.085	.380	.832	.635	.100	.100	.100	.100	.000	.000
ELEVATION	1350.085	1344.380	1343.832	1343.635	1337.100	1337.100	1338.100	1337.100	1336.000	1335.000
VEL-N	.000	.605	.485	1.759	.000	.000	.000	.000	.000	.000
VEL-E	-.852	-2.019	-1.917	-1.693	-2.125	-2.052	-2.253	-1.952	.000	.000
VEL-S	.000	.000	-.605	-.485	-1.759	.000	.000	.000	.000	.000
VEL-W	.000	1.952	2.253	2.052	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.099	.176	.341	.343	.454	.536	.610	.659
ELEVATION	1413.000	1412.000	1408.099	1403.176	1398.341	1395.344	1392.454	1390.536	1387.610	1384.659
VEL-N	.000	.000	.642	.927	1.135	1.120	1.099	1.328	1.291	1.117
VEL-E	.000	.000	-.732	-1.309	-1.816	-1.729	-2.348	-2.422	-2.488	-2.293
VEL-S	.000	.000	.000	-.642	-.927	-1.135	-1.120	-1.099	-1.328	-1.291
VEL-W	.000	.000	.841	1.021	1.316	1.620	1.831	2.193	2.358	2.352

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.236	.105	.044	.000	.844	.101	.215	.250	.406
ELEVATION	1409.000	1400.236	1394.105	1389.044	1392.000	1376.844	1378.101	1381.215	1369.250	1373.406
VEL-N	.000	.000	.466	.000	.000	.000	.288	.539	.513	1.013
VEL-E	.000	.000	-.795	.000	.000	.000	.000	.883	-.676	-1.048
VEL-S	.000	-.669	.198	-.466	.000	-.288	-.539	-1.117	-1.013	-1.188
VEL-W	.000	.795	.834	.000	.000	-.883	.676	1.048	1.090	1.608

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.837	.762	.552	.449	.455	.272	.165	.041	.000	.069
ELEVATION	1375.837	1377.762	1382.552	1385.449	1387.455	1392.272	1395.165	1398.041	1392.000	1389.069
VEL-N	1.188	1.210	1.539	1.043	.871	.961	.533	.000	.000	.000
VEL-E	-2.352	-2.358	-2.193	-1.831	-1.620	-1.316	-1.021	-.841	.000	-.687
VEL-S	-1.210	-1.539	-1.043	-.871	-.961	-.533	.000	.000	.000	.000
VEL-W	2.333	2.188	1.716	1.726	1.203	1.030	.687	.000	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.179	.263	.517	.412	.523	.688	.542	.318	.794	.430
ELEVATION	1385.179	1382.263	1377.517	1375.411	1371.523	1368.688	1365.542	1362.318	1358.794	1356.430
VEL-N	.567	.937	.910	1.283	1.286	1.340	1.069	.914	1.149	.524
VEL-E	-1.030	-1.203	-1.726	-1.716	-2.188	-2.333	-1.608	-1.090	-2.492	-1.315
VEL-S	.000	-.567	-.937	-.910	-1.283	-1.286	-1.340	-1.069	-.914	-1.149
VEL-W	.993	1.287	1.493	1.817	2.468	2.421	1.932	1.431	1.816	1.536

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.053	.000	.100	.578	.530	.481	.799	.849	.528	.547
ELEVATION	1355.053	1341.000	1345.100	1349.578	1353.530	1355.481	1357.799	1359.849	1363.528	1365.547
VEL-N	.000	.000	.000	1.053	1.366	1.008	1.330	1.316	1.473	1.104
VEL-E	.000	.000	.000	-1.536	-1.816	-1.431	-1.932	-2.421	-2.468	-1.817
VEL-S	-.524	.000	-1.053	-1.366	-1.008	-1.330	-1.316	-1.473	-1.104	-1.264
VEL-W	.000	.000	.000	1.362	1.892	1.760	1.885	1.936	2.148	1.394

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
200	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 200 IS EQUAL TO 513.92

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	2.783	3.422	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1331.783	1331.422	.000	.000	.000	.000	.000	.000	.000	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.000	.000	1.750	1.508	2.228	3.178	.000	.000
ELEVATION	.000	.000	.000	.000	1332.750	1332.508	1332.228	1332.178	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.000	.000	.000	.000	3.469	3.335	2.184	2.243	1.968	.450
ELEVATION	.000	.000	.000	.000	1331.469	1331.335	1331.184	1330.243	1328.968	1326.450

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	.004	.532	.000	.000	.000	.000	.000	.000	.000
ELEVATION	.000	1332.004	1332.532	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 30.00 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 30.00

MODEL TIME(HOURS) = 3.50 (SECONDS) = .126E+05 (TOTAL TIMESTEP NUMBER) = 5.1E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 794.05

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.022	.097	.098	.256	.000	.000	.000	.391	.863
ELEVATION	1565.000	1565.022	1565.097	1566.098	1566.256	1568.000	1568.000	1568.000	1365.391	1367.864
VEL-N	.000	.000	.000	.000	.241	.000	.000	.000	.000	1.199
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-3.415
VEL-S	.000	.000	.000	-.241	.000	.000	.000	.000	-1.199	-.477
VEL-W	.000	.000	.000	.000	3.667	.000	.000	.000	1.646	2.822

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.100	.099	.350	.096	.099	.000	.000
ELEVATION	1338.000	1337.000	1545.000	1541.100	1543.099	1543.350	1548.096	1549.099	1550.000	1550.000
VEL-N	.000	.000	.000	-.409	-.293	-.889	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-3.667	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.409	.293	.889	.000	.000	.000
VEL-W	.000	.000	.000	.000	1.221	3.249	1.682	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.042	.098	.105	.348	.164	.099	.026	.000	.000
ELEVATION	1530.000	1532.042	1534.098	1531.105	1531.348	1530.164	1531.099	1531.026	1533.000	1534.000
VEL-N	.000	.000	.000	.000	.349	-.829	.000	.000	.000	.000
VEL-E	.000	.000	.000	-1.682	-3.249	-1.221	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.349	.829	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	1.486	2.908	2.090	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.100	.356	.434	.115	.097	.000	.000
ELEVATION	1522.000	1521.000	1519.000	1517.100	1516.356	1517.434	1518.115	1520.097	1521.000	1518.000
VEL-N	.000	.000	.000	.000	-.881	-.306	.000	.000	.000	.000

VEL-E	.000	.000	.000	.000	-2.090	-2.908	-1.486	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.881	.306	.000	.000	.000
VEL-W	.000	.000	.000	.000	2.334	2.402	1.434	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.142	.271	.296	.503	.131	.000	.000	.000
ELEVATION	1503.000	1504.000	1500.142	1503.271	1505.296	1504.503	1506.131	1507.000	1509.000	1510.000
VEL-N	.000	.000	.000	.973	.829	-.467	.345	.000	.000	.000
VEL-E	.000	.000	.000	-1.434	-2.402	-2.334	.000	.000	.000	.000
VEL-S	.000	.000	-.973	-.829	.467	-.345	.000	.000	.000	.000
VEL-W	.000	.000	1.700	1.450	2.047	2.337	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.000	.000	.689	1.060	.121	.193	.000	.000
ELEVATION	1497.000	1497.000	1650.000	1600.000	1494.689	1490.061	1493.121	1489.193	1493.000	1492.000
VEL-N	.000	.000	.000	.000	1.978	-.504	.761	.000	.000	.000
VEL-E	.000	.000	.000	.000	-2.337	-2.047	-1.450	-1.700	.000	.000
VEL-S	.000	.000	.000	.000	.000	-1.978	.504	-.761	.000	.000
VEL-W	.000	.000	.000	.000	.000	2.491	1.372	1.985	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.098	.099	.226	.368	.790	.000	.000	.000
ELEVATION	1476.000	1476.000	1478.098	1478.099	1479.226	1480.368	1483.790	1540.000	1600.000	1482.000
VEL-N	.000	.000	.000	.000	.597	.896	1.730	.000	.000	.000
VEL-E	.000	.000	.000	.000	-1.985	-1.372	-2.491	.000	.000	.000
VEL-S	.000	.000	.000	-.597	-.896	-1.730	.000	.000	.000	.000
VEL-W	.000	.000	.000	1.403	2.672	2.672	2.610	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.333	.267	.151	.022	.000	.056	.000	.000
ELEVATION	1483.000	1484.000	1371.333	1373.267	1376.151	1379.022	1372.000	1370.056	1476.000	1475.000
VEL-N	.000	.000	1.211	.602	.563	.000	.000	.000	.000	.000
VEL-E	.000	.000	-1.421	-1.215	-1.056	-.776	.000	-.724	.000	.000
VEL-S	.000	.000	-.602	-.563	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	1.245	1.066	.724	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.184	.248	.346	.374	.629	.100	.101	.057	.000
ELEVATION	1473.000	1467.184	1470.248	1473.345	1469.374	1464.629	1466.100	1462.100	1461.057	1462.000
VEL-N	.000	-.660	-.922	1.321	1.776	-.497	.812	.000	.000	.000
VEL-E	.000	.000	.000	-2.610	-2.672	-2.672	-1.403	.000	.000	.000
VEL-S	.000	.000	.660	.922	-1.321	-1.776	.497	-.812	.000	.000
VEL-W	.000	.943	.963	2.389	2.279	2.358	1.125	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.099	.131	.255	.573	.738	.352	.119	.175	1.140
ELEVATION	1453.000	1450.099	1452.131	1455.255	1458.573	1458.738	1460.352	1462.119	1459.176	1454.141
VEL-N	.000	.000	.531	.792	1.190	.362	.851	.378	-.433	-.736
VEL-E	.000	.000	.000	-1.125	-2.358	-2.279	-2.389	-.963	-.943	.000
VEL-S	.000	-.531	-.792	-1.190	-.362	-.851	-.378	.433	.736	.000
VEL-W	.000	1.280	1.098	1.694	2.431	1.958	1.823	.837	.783	.139

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.000	.000	.180	.268	.328	.672	.577	.585	.000	.000
ELEVATION	1456.000	1459.000	1367.180	1364.268	1360.328	1355.672	1354.577	1352.585	1463.000	1458.000
VEL-N	.000	.000	.636	.859	1.072	.799	1.022	1.226	.000	.000
VEL-E	.000	.000	-1.066	-1.245	-1.345	-2.076	-1.871	-1.822	.000	.000
VEL-S	.000	.000	.000	-.636	-.859	-1.072	-.799	-1.022	.000	.000
VEL-W	.000	.000	.729	1.152	1.462	1.776	2.150	2.010	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.107	.125	.130	.699	.326	.474	.345	.201	.127	.000
ELEVATION	1454.107	1452.125	1451.130	1450.699	1452.326	1448.474	1445.345	1442.201	1440.127	1441.000
VEL-N	.330	.259	.176	-.632	1.094	1.312	1.004	.676	.000	.000
VEL-E	-.139	-.783	-.837	-1.823	-1.958	-2.431	-1.694	-1.098	-1.280	.000
VEL-S	.000	-.330	-.259	-.176	.632	-1.094	-1.312	-1.004	-.676	.000
VEL-W	.404	.942	.954	1.930	1.688	2.476	2.185	1.700	1.488	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.098	.215	.262	.429	.507	.309	.318	.483	.101	.005
ELEVATION	1430.098	1430.215	1432.262	1434.429	1436.507	1440.309	1442.318	1438.483	1443.101	1447.005
VEL-N	.000	.186	1.036	1.138	1.023	.932	.684	-.953	.627	.000
VEL-E	.000	-1.488	-1.700	-2.185	-2.476	-1.688	-1.930	-.954	-.942	-.404
VEL-S	-.186	-1.036	-1.138	-1.023	-.932	-.684	.953	-.627	.000	.000
VEL-W	1.140	2.012	2.022	2.106	2.096	1.646	1.690	1.308	.711	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.510	.918	.100	.000	.000	.100	.000	.000
ELEVATION	1451.000	1456.000	1349.510	1345.917	1342.100	1340.000	1339.000	1338.100	1447.000	1444.000
VEL-N	.000	.000	1.264	1.299	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-1.708	-1.973	-1.867	.000	.000	-2.092	.000	.000
VEL-S	.000	.000	-1.226	-1.264	-1.299	.000	.000	-1.929	.000	.000
VEL-W	.000	.000	1.640	2.092	.000	.000	.000	.000	.000	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.000	.101	.335	.294	.457	.571	.544	.372	.338	.101
ELEVATION	1442.000	1437.101	1433.335	1432.294	1428.457	1426.571	1424.544	1422.372	1421.339	1422.101
VEL-N	.000	.000	.556	1.018	.853	1.009	1.031	.801	.000	.000
VEL-E	.000	-.711	-1.308	-1.690	-1.646	-2.096	-2.106	-2.022	-2.012	-1.140
VEL-S	.000	.000	.000	-.556	-1.018	-.853	-1.009	-1.031	-.801	.000
VEL-W	.000	.000	1.399	1.465	1.346	1.876	1.966	2.072	2.270	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.023	.467	.518	.597	.465	.253	.348	.262	.081	.000
ELEVATION	1413.023	1412.467	1413.518	1416.597	1420.465	1423.253	1424.348	1426.262	1432.081	1435.000
VEL-N	.000	.000	.860	1.399	1.388	.897	.552	.667	.000	.000
VEL-E	.000	-2.270	-2.072	-1.966	-1.876	-1.346	-1.465	-1.399	.000	.000
VEL-S	.000	-.860	-1.399	-1.388	-.897	-.552	-.667	.000	.000	.000
VEL-W	.000	2.657	2.534	2.175	1.698	1.769	1.368	1.116	.000	.000

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.000	.733	.604	.612	.395	.317	.142	.047	.000	.057
ELEVATION	1437.000	1344.733	1346.604	1347.612	1350.395	1353.317	1358.142	1360.047	1354.000	1353.057
VEL-N	.000	1.929	1.313	.968	1.206	1.065	.933	.000	.000	.000
VEL-E	.000	-1.640	-2.010	-2.150	-1.776	-1.462	-1.152	-.729	.000	-.902
VEL-S	.000	-1.313	-.968	-1.206	-1.065	-.933	.000	.000	.000	.000
VEL-W	.000	2.069	1.655	1.878	2.054	1.060	.902	.000	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.000	.218	.357	.287	.257	.332	.427	.540	.178
ELEVATION	1427.000	1422.000	1420.218	1417.357	1415.287	1414.257	1409.332	1406.427	1404.540	1403.178
VEL-N	.000	.000	.639	.908	.668	1.407	1.539	1.466	.925	.639
VEL-E	.000	.000	-1.116	-1.368	-1.769	-1.698	-2.175	-2.534	-2.657	.000
VEL-S	.000	.000	.000	-.639	-.908	-.668	-1.407	-1.539	-1.466	-.925
VEL-W	.000	.000	.819	1.261	2.046	1.800	2.706	2.652	2.940	1.322

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.498	.553	.537	.357	.285	.308	.213	.141	.000	.000
ELEVATION	1393.498	1396.553	1397.537	1400.357	1403.285	1406.308	1411.213	1414.141	1416.000	1421.000
VEL-N	-.196	1.530	.881	1.326	1.161	1.038	1.059	.545	.000	.000

VEL-E	-1.322	-2.940	-2.652	-2.706	-1.800	-2.046	-1.261	-.819	.000	.000
VEL-S	-1.530	-.881	-1.326	-1.161	-1.038	-1.059	-.545	.000	.000	.000
VEL-W	2.202	2.374	2.301	2.224	1.642	1.732	1.234	.707	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.155	.464	.853	.633	.100	.100	.100	.100	.000	.000
ELEVATION	1350.155	1344.464	1343.853	1343.633	1337.100	1337.100	1338.100	1337.100	1336.000	1335.000
VEL-N	1.284	.731	.516	1.757	.000	.000	.000	.000	.000	.000
VEL-E	-1.060	-2.054	-1.878	-1.655	-2.069	-2.050	-2.291	-2.188	.000	.000
VEL-S	.000	-1.284	-.731	-.516	-1.757	.000	.000	.000	.000	.000
VEL-W	.000	2.188	2.291	2.050	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.100	.156	.313	.319	.421	.500	.571	.622
ELEVATION	1413.000	1412.000	1408.100	1403.156	1398.313	1395.319	1392.421	1390.500	1387.571	1384.622
VEL-N	.000	.000	.647	.856	1.073	1.069	1.046	1.268	1.236	1.072
VEL-E	.000	.000	-.707	-1.234	-1.732	-1.642	-2.224	-2.301	-2.374	-2.202
VEL-S	.000	.000	.000	-.647	-.856	-1.073	-1.069	-1.046	-1.268	-1.236
VEL-W	.000	.000	1.004	.953	1.257	1.542	1.747	2.092	2.259	2.263

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.227	.100	.078	.000	1.026	.101	.204	.242	.385
ELEVATION	1409.000	1400.227	1394.100	1389.078	1392.000	1377.026	1378.101	1381.204	1369.242	1373.385
VEL-N	.000	.000	.524	.000	.000	.000	.264	.525	.477	.982
VEL-E	.000	.000	-.773	.000	.000	.000	.000	.833	-.673	-1.012
VEL-S	.000	-.639	.196	-.524	.000	-.264	-.525	-1.072	-.982	-1.141
VEL-W	.000	.773	.808	.000	.000	-.833	.673	1.012	1.069	1.552

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.794	.720	.520	.425	.441	.260	.151	.083	.000	.102
ELEVATION	1375.794	1377.720	1382.520	1385.425	1387.441	1392.260	1395.151	1398.083	1392.000	1389.102
VEL-N	1.141	1.165	1.481	1.007	.849	.934	.504	.000	.000	.510
VEL-E	-2.263	-2.259	-2.092	-1.747	-1.542	-1.257	-.953	-1.004	.000	-.729
VEL-S	-1.165	-1.481	-1.007	-.849	-.934	-.504	.000	.000	.000	.000
VEL-W	2.252	2.104	1.647	1.666	1.164	1.009	.729	.000	.000	.776

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.177	.242	.479	.387	.495	.653	.514	.307	.939	.623
ELEVATION	1385.177	1382.242	1377.479	1375.387	1371.495	1368.653	1365.514	1362.307	1358.939	1356.623
VEL-N	.564	.885	.865	1.231	1.240	1.294	1.034	.872	1.344	.764
VEL-E	-1.009	-1.164	-1.666	-1.647	-2.104	-2.252	-1.552	-1.069	-2.822	-1.646
VEL-S	-.510	-.564	-.885	-.865	-1.231	-1.240	-1.294	-1.034	-.872	-1.344
VEL-W	1.056	1.215	1.421	1.742	2.376	2.340	1.868	1.398	1.998	1.963

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.184	.000	.100	.928	.566	.460	.757	.808	.501	.521
ELEVATION	1355.184	1341.000	1345.100	1349.928	1353.566	1355.460	1357.757	1359.808	1363.501	1365.521
VEL-N	.000	.000	.000	1.466	1.361	.964	1.280	1.271	1.426	1.068
VEL-E	.000	.000	-1.006	-1.963	-1.998	-1.398	-1.868	-2.340	-2.376	-1.742
VEL-S	-.764	.000	-1.466	-1.361	-.964	-1.280	-1.271	-1.426	-1.068	-1.211
VEL-W	1.006	.000	.000	1.867	1.973	1.708	1.822	1.871	2.076	1.345

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
200	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 200 IS EQUAL TO 2994.31

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	3.835	4.452	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1332.835	1332.452	.000	.000	.000	.000	.000	.000	.000	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.000	.000	2.909	3.041	3.305	4.152	.000	.000
ELEVATION	.000	.000	.000	.000	1333.909	1334.041	1333.305	1333.152	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.000	.000	.000	.000	4.334	3.813	2.770	2.876	2.857	1.458
ELEVATION	.000	.000	.000	.000	1332.333	1331.813	1331.770	1330.876	1329.857	1327.458

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	2.339	2.416	.000	.000	.000	.000	.000	.000	.000
ELEVATION	.000	1334.339	1334.416	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 20.50 MAX. TIMESTEP(SEC.) = 30.00 MEAN TIMESTEP(SEC.) = 23.50

MODEL TIME(HOURS) = 3.75 (SECONDS) = .135E+05 (TOTAL TIMESTEP NUMBER) = 6.1E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 123.32

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.022	.098	.098	.122	.000	.000	.000	.480	.997
ELEVATION	1565.000	1565.022	1565.098	1566.098	1566.122	1568.000	1568.000	1568.000	1365.480	1367.997
VEL-N	.000	.000	.000	.000	.071	.000	.000	.000	.000	1.351
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-3.776
VEL-S	.000	.000	.000	-.071	.000	.000	.000	.000	-1.351	-.447
VEL-W	.000	.000	.000	.000	2.244	.000	.000	.000	1.888	3.108

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.100	.098	.190	.098	.099	.000	.000
ELEVATION	1338.000	1337.000	1545.000	1541.100	1543.098	1543.190	1548.098	1549.099	1550.000	1550.000
VEL-N	.000	.000	.000	.000	-.133	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	-2.244	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.133	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	2.172	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.043	.096	.099	.207	.103	.097	.027	.000	.000
ELEVATION	1530.000	1532.043	1534.096	1531.099	1531.207	1530.103	1531.097	1531.027	1533.000	1534.000
VEL-N	.000	.000	.000	.000	.180	-.575	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-2.172	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.180	.575	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	2.062	1.554	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.099	.242	.269	.099	.095	.000	.000
ELEVATION	1522.000	1521.000	1519.000	1517.099	1516.241	1517.269	1518.099	1520.095	1521.000	1518.000
VEL-N	.000	.000	.000	.000	-.643	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-1.554	-2.062	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.643	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	1.804	1.793	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.105	.167	.203	.363	.103	.000	.000	.000
ELEVATION	1503.000	1504.000	1500.105	1503.167	1505.203	1504.363	1506.103	1507.000	1509.000	1510.000
VEL-N	.000	.000	.000	.730	.626	-.374	.304	.000	.000	.000
VEL-E	.000	.000	.000	.000	-1.793	-1.804	.000	.000	.000	.000
VEL-S	.000	.000	-.730	-.626	.374	-.304	.000	.000	.000	.000
VEL-W	.000	.000	1.390	1.117	1.600	1.885	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.000	.000	.520	.805	.102	.146	.000	.000
ELEVATION	1497.000	1497.000	1650.000	1600.000	1494.520	1489.805	1493.102	1489.146	1493.000	1492.000
VEL-N	.000	.000	.000	.000	1.656	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-1.885	-1.600	-1.117	-1.390	.000	.000
VEL-S	.000	.000	.000	.000	.000	-1.656	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	2.085	.000	1.656	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.098	.100	.176	.288	.625	.000	.000	.000
ELEVATION	1476.000	1476.000	1478.098	1478.099	1479.177	1480.287	1483.625	1540.000	1600.000	1482.000
VEL-N	.000	.000	.000	.000	.523	.753	1.460	.000	.000	.000
VEL-E	.000	.000	.000	.000	-1.656	.000	-2.085	.000	.000	.000
VEL-S	.000	.000	.000	-.523	-.753	-1.460	.000	.000	.000	.000
VEL-W	.000	.000	.000	1.387	2.272	2.277	2.230	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.300	.245	.139	.066	.000	.120	.000	.000
ELEVATION	1483.000	1484.000	1371.300	1373.245	1376.139	1379.066	1372.000	1370.120	1476.000	1475.000
VEL-N	.000	.000	1.129	.571	.537	.000	.000	.556	.000	.000
VEL-E	.000	.000	-1.350	-1.167	-1.004	-.944	.000	-.842	.000	.000
VEL-S	.000	.000	-.571	-.537	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	1.203	1.058	.842	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.161	.207	.277	.300	.512	.099	.099	.062	.000
ELEVATION	1473.000	1467.161	1470.207	1473.277	1469.300	1464.512	1466.099	1462.099	1461.063	1462.000
VEL-N	.000	-.590	-.801	1.141	1.541	.000	.000	.360	.000	.000
VEL-E	.000	.000	.000	-2.230	-2.277	-2.272	-1.387	.000	.000	.000
VEL-S	.000	.000	.590	.801	-1.141	-1.541	.000	.000	-.360	.000
VEL-W	.000	.854	.856	2.063	1.973	2.063	.000	1.076	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.099	.109	.214	.472	.621	.288	.101	.149	1.160
ELEVATION	1453.000	1450.099	1452.109	1455.214	1458.472	1458.621	1460.288	1462.101	1459.149	1454.160
VEL-N	.000	.000	.492	.702	1.042	.304	.757	.344	-.391	-.656
VEL-E	.000	.000	-1.076	.000	-2.063	-1.973	-2.063	-.856	-.854	.000
VEL-S	.000	-.492	-.702	-1.042	-.304	-.757	-.344	.391	.656	.000
VEL-W	.000	1.284	.960	1.517	2.149	1.737	1.598	.754	.751	.146

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.000	.000	.199	.273	.311	.625	.542	.551	.000	.000
ELEVATION	1456.000	1459.000	1367.199	1364.273	1360.311	1355.625	1354.542	1352.551	1463.000	1458.000
VEL-N	.000	.000	.683	.875	1.038	.759	.981	1.181	.000	.000
VEL-E	.000	.000	-1.058	-1.203	-1.280	-1.981	-1.792	-1.748	.000	.000
VEL-S	.000	.000	-.556	-.683	-.875	-1.038	-.759	-.981	.000	.000
VEL-W	.000	.000	.921	1.173	1.420	1.700	2.062	1.932	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.125	.134	.117	.598	.274	.400	.293	.171	.112	.000
ELEVATION	1454.125	1452.134	1451.117	1450.598	1452.275	1448.400	1445.293	1442.171	1440.112	1441.000

VEL-N	.367	.264	.179	-.572	.979	1.170	.897	.609	.000	.000
VEL-E	-.146	-.751	-.754	-1.598	-1.737	-2.149	-1.517	-.960	-1.284	.000
VEL-S	.000	-.367	-.264	-.179	.572	-.979	-1.170	-.897	-.609	.000
VEL-W	.509	.965	.889	1.731	1.516	2.210	1.962	1.522	1.367	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.099	.190	.225	.370	.434	.266	.270	.430	.100	.033
ELEVATION	1430.099	1430.190	1432.225	1434.370	1436.434	1440.266	1442.270	1438.430	1443.100	1447.033
VEL-N	.000	.157	.941	1.024	.921	.847	.616	-.857	.625	.000
VEL-E	.000	-1.367	-1.522	-1.962	-2.210	-1.516	-1.731	-.889	-.965	-.509
VEL-S	-.157	-.941	-1.024	-.921	-.847	-.616	.857	-.625	.000	.000
VEL-W	.000	1.857	1.824	1.908	1.890	1.491	1.534	1.216	.707	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.487	.958	.100	.000	.000	.100	.000	.000
ELEVATION	1451.000	1456.000	1349.487	1345.958	1342.100	1340.000	1339.000	1338.100	1447.000	1444.000
VEL-N	.000	.000	1.216	1.341	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-1.658	-2.101	-2.131	.000	.000	-2.153	.000	.000
VEL-S	.000	.000	-1.181	-1.216	-1.341	.000	.000	-1.870	.000	.000
VEL-W	.000	.000	1.593	2.153	.000	.000	.000	.000	.000	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.000	.101	.306	.259	.401	.495	.475	.323	.301	.099
ELEVATION	1442.000	1437.101	1433.306	1432.259	1428.401	1426.495	1424.475	1422.323	1421.301	1422.099
VEL-N	.000	.000	.518	.938	.786	.918	.936	.730	.000	.000
VEL-E	.000	-.707	-1.216	-1.534	-1.491	-1.890	-1.908	-1.824	-1.857	.000
VEL-S	.000	.000	.000	-.518	-.938	-.786	-.918	-.936	-.730	.000
VEL-W	.000	.000	1.327	1.347	1.235	1.711	1.796	1.886	2.102	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.037	.418	.453	.528	.410	.225	.315	.247	.099	.000
ELEVATION	1413.036	1412.418	1413.453	1416.528	1420.410	1423.225	1424.315	1426.247	1432.099	1435.000
VEL-N	.000	.000	.786	1.283	1.279	.834	.513	.644	.000	.000
VEL-E	.000	-2.102	-1.886	-1.796	-1.711	-1.235	-1.347	-1.327	.000	.000
VEL-S	.000	-.786	-1.283	-1.279	-.834	-.513	-.644	.000	.000	.000
VEL-W	.000	2.470	2.326	2.002	1.563	1.637	1.279	1.069	.000	.000

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.000	.698	.574	.584	.379	.306	.146	.123	.011	.127
ELEVATION	1437.000	1344.698	1346.574	1347.584	1350.379	1353.306	1358.146	1360.123	1354.011	1353.127
VEL-N	.000	1.870	1.271	.938	1.176	1.044	.955	.464	.000	.807
VEL-E	.000	-1.593	-1.932	-2.062	-1.700	-1.420	-1.173	-.921	-.543	-1.114
VEL-S	.000	-1.271	-.938	-1.176	-1.044	-.955	-.464	.000	.000	.000
VEL-W	.000	2.007	1.597	1.815	1.992	1.115	1.114	.543	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.003	.203	.325	.259	.229	.296	.379	.487	.161
ELEVATION	1427.000	1422.003	1420.203	1417.325	1415.259	1414.229	1409.296	1406.379	1404.487	1403.161
VEL-N	.000	.000	.611	.851	.622	1.305	1.428	1.357	.852	.598
VEL-E	.000	.000	-1.069	-1.279	-1.637	-1.563	-2.002	-2.326	-2.470	.000
VEL-S	.000	.000	.000	-.611	-.851	-.622	-1.305	-1.428	-1.357	-.852
VEL-W	.000	.000	.775	1.188	1.911	1.669	2.505	2.452	2.742	1.239

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.457	.499	.480	.321	.258	.281	.196	.128	.000	.000
ELEVATION	1393.457	1396.499	1397.480	1400.321	1403.258	1406.281	1411.196	1414.128	1416.000	1421.000
VEL-N	-.203	1.433	.816	1.240	1.088	.975	1.005	.510	.000	.000
VEL-E	-1.239	-2.742	-2.452	-2.505	-1.669	-1.911	-1.188	-.775	.000	.000
VEL-S	-1.433	-.816	-1.240	-1.088	-.975	-1.005	-.510	.000	.000	.000
VEL-W	2.079	2.217	2.145	2.072	1.536	1.632	1.165	.674	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.210	.493	.848	.613	.100	.100	.100	.100	.000	.000
ELEVATION	1350.210	1344.493	1343.848	1343.613	1337.100	1337.100	1338.100	1337.100	1336.000	1335.000
VEL-N	1.579	.784	.527	1.724	.000	.000	.000	.000	.000	.000
VEL-E	-1.115	-1.992	-1.815	-1.597	-2.007	-2.011	-2.283	-2.271	.000	.000
VEL-S	-.807	-1.579	-.784	-.527	-1.724	.000	.000	.000	.000	.000
VEL-W	.000	2.271	2.283	2.011	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.100	.141	.287	.292	.383	.454	.520	.573
ELEVATION	1413.000	1412.000	1408.100	1403.141	1398.287	1395.292	1392.383	1390.454	1387.520	1384.573
VEL-N	.000	.000	.000	.805	1.013	1.008	.984	1.190	1.161	1.010
VEL-E	.000	.000	-.674	-1.165	-1.632	-1.536	-2.072	-2.145	-2.217	-2.079
VEL-S	.000	.000	.000	.000	-.805	-1.013	-1.008	-.984	-1.190	-1.161
VEL-W	.000	.000	.000	.904	1.186	1.453	1.639	1.963	2.123	2.143

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.211	.099	.100	.000	1.192	.108	.189	.238	.357
ELEVATION	1409.000	1400.212	1394.099	1389.100	1392.000	1377.192	1378.108	1381.189	1369.238	1373.357
VEL-N	.000	.000	.566	.000	.000	.000	.253	.513	.447	.945
VEL-E	.000	.000	-.748	.000	.000	.000	-.844	.775	-.700	-.963
VEL-S	.000	-.598	.203	-.566	.000	-.253	-.513	-1.010	-.945	-1.077
VEL-W	.000	.748	.809	.844	.000	-.775	.700	.963	1.055	1.476

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.735	.661	.476	.391	.407	.238	.146	.100	.011	.100
ELEVATION	1375.735	1377.661	1382.476	1385.391	1387.407	1392.238	1395.146	1398.100	1392.011	1389.100
VEL-N	1.077	1.101	1.399	.954	.804	.882	.492	.503	.000	.506
VEL-E	-2.143	-2.123	-1.963	-1.639	-1.453	-1.186	-.904	.000	-.681	-.715
VEL-S	-1.101	-1.399	-.954	-.804	-.882	-.492	-.503	.000	.000	.000
VEL-W	2.142	1.990	1.559	1.575	1.106	.954	.715	.681	.000	.944

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.164	.228	.452	.360	.459	.610	.481	.295	1.072	.744
ELEVATION	1385.164	1382.228	1377.452	1375.360	1371.459	1368.610	1365.481	1362.295	1359.072	1356.744
VEL-N	.536	.851	.829	1.174	1.181	1.234	.992	.831	1.491	.925
VEL-E	-.954	-1.106	-1.575	-1.559	-1.990	-2.142	-1.476	-1.055	-3.108	-1.888
VEL-S	-.506	-.536	-.851	-.829	-1.174	-1.181	-1.234	-.992	-.831	-1.491
VEL-W	1.004	1.167	1.350	1.661	2.261	2.236	1.787	1.363	2.178	2.202

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.352	.000	.100	1.127	.621	.440	.713	.759	.467	.479
ELEVATION	1355.352	1341.000	1345.100	1350.127	1353.621	1355.440	1357.713	1359.759	1363.467	1365.479
VEL-N	.000	.000	.000	1.686	1.420	.917	1.227	1.218	1.362	1.013
VEL-E	.000	.000	-1.386	-2.202	-2.178	-1.363	-1.787	-2.236	-2.261	-1.661
VEL-S	-.925	.000	-1.686	-1.420	-.917	-1.227	-1.218	-1.362	-1.013	-1.129
VEL-W	1.386	.000	.000	2.131	2.101	1.658	1.748	1.792	1.981	1.280

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
200	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 200 IS EQUAL TO 3687.56

NODE	11	12	13	14	15	16	17	18	19	20

DEPTH	4.248	4.671	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1333.248	1332.671	.000	.000	.000	.000	.000	.000	.000	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.000	.000	3.717	4.173	3.970	4.710	.000	.000
ELEVATION	.000	.000	.000	.000	1334.717	1335.173	1333.970	1333.710	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.000	.000	.000	.000	4.566	4.042	2.986	3.128	3.106	1.676
ELEVATION	.000	.000	.000	.000	1332.566	1332.042	1331.986	1331.128	1330.106	1327.676

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	3.725	3.604	.000	.000	.000	.000	.000	.000	.000
ELEVATION	.000	1335.725	1335.604	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 18.50 MAX. TIMESTEP(SEC.) = 21.50 MEAN TIMESTEP(SEC.) = 19.68

MODEL TIME(HOURS) = 4.00 (SECONDS) = .144E+05 (TOTAL TIMESTEP NUMBER) = 7.3E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 123.32

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.022	.098	.099	.099	.000	.000	.000	.557	1.116
ELEVATION	1565.000	1565.022	1565.098	1566.099	1566.099	1568.000	1568.000	1568.000	1365.557	1368.116
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.481
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-4.082
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	-1.481	-.418
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	2.083	3.353

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.099	.100	.099	.098	.099	.000	.000
ELEVATION	1338.000	1337.000	1545.000	1541.099	1543.099	1543.099	1548.098	1549.099	1550.000	1550.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.043	.096	.099	.098	.099	.099	.027	.000	.000
ELEVATION	1530.000	1532.043	1534.096	1531.099	1531.098	1530.099	1531.099	1531.027	1533.000	1534.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.099	.129	.110	.098	.095	.000	.000
ELEVATION	1522.000	1521.000	1519.000	1517.099	1516.129	1517.110	1518.098	1520.095	1521.000	1518.000
VEL-N	.000	.000	.000	.000	-.361	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.361	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	1.189	1.082	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.099	.100	.123	.230	.100	.000	.000	.000

ELEVATION	1503.000	1504.000	1500.099	1503.100	1505.123	1504.230	1506.100	1507.000	1509.000	1510.000
VEL-N	.000	.000	.000	.000	.444	-.277	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-1.082	-1.189	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.444	.277	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	1.157	1.393	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.000	.000	.365	.575	.098	.100	.000	.000
ELEVATION	1497.000	1497.000	1650.000	1600.000	1494.365	1489.575	1493.098	1489.100	1493.000	1492.000
VEL-N	.000	.000	.000	.000	1.317	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-1.393	-1.157	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	-1.317	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	1.681	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.098	.099	.110	.217	.471	.000	.000	.000
ELEVATION	1476.000	1476.000	1478.098	1478.099	1479.110	1480.217	1483.471	1540.000	1600.000	1482.000
VEL-N	.000	.000	.000	.000	.424	.595	1.193	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-1.681	.000	.000	.000
VEL-S	.000	.000	.000	-.424	-.595	-1.193	.000	.000	.000	.000
VEL-W	.000	.000	.000	1.392	1.679	1.882	1.845	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.267	.214	.123	.100	.006	.141	.000	.000
ELEVATION	1483.000	1484.000	1371.267	1373.214	1376.123	1379.100	1372.006	1370.141	1476.000	1475.000
VEL-N	.000	.000	1.048	.522	.495	.582	.000	.623	.000	.000
VEL-E	.000	.000	-1.271	-1.108	-.944	-1.068	-.705	-.811	.000	.000
VEL-S	.000	.000	-.522	-.495	-.582	.000	.000	.000	.000	.000
VEL-W	.000	.000	1.139	1.006	.811	.705	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.141	.161	.213	.232	.388	.100	.098	.066	.000
ELEVATION	1473.000	1467.141	1470.161	1473.213	1469.232	1464.388	1466.100	1462.099	1461.066	1462.000
VEL-N	.000	-.517	-.673	.957	1.303	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-1.845	-1.882	-1.679	-1.392	.000	.000	.000
VEL-S	.000	.000	.517	.673	-.957	-1.303	.000	.000	.000	.000
VEL-W	.000	.764	.765	1.729	1.662	1.730	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.100	.101	.171	.370	.505	.226	.100	.121	1.152
ELEVATION	1453.000	1450.100	1452.101	1455.172	1458.370	1458.505	1460.226	1462.100	1459.121	1454.152
VEL-N	.000	.000	.480	.626	.882	.249	.654	.347	-.389	-.570
VEL-E	.000	.000	.000	.000	-1.730	-1.662	-1.729	-.765	-.764	.000
VEL-S	.000	-.480	-.626	-.882	-.249	-.654	-.347	.389	.570	.000
VEL-W	.000	.000	.926	1.310	1.844	1.504	1.362	.747	.676	.137

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.000	.000	.198	.261	.295	.580	.503	.509	.000	.000
ELEVATION	1456.000	1459.000	1367.198	1364.261	1360.295	1355.580	1354.503	1352.510	1463.000	1458.000
VEL-N	.000	.000	.684	.850	1.004	.720	.933	1.127	.000	.000
VEL-E	.000	.000	-1.006	-1.139	-1.208	-1.864	-1.695	-1.652	.000	.000
VEL-S	.000	.000	-.623	-.684	-.850	-1.004	-.720	-.933	.000	.000
VEL-W	.000	.000	.978	1.154	1.353	1.615	1.960	1.833	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.121	.131	.101	.495	.223	.325	.243	.138	.099	.000
ELEVATION	1454.121	1452.131	1451.101	1450.495	1452.223	1448.325	1445.243	1442.138	1440.099	1441.000
VEL-N	.360	.252	.176	-.506	.855	1.020	.784	.541	.000	.000
VEL-E	-.137	-.676	-.747	-1.362	-1.504	-1.844	-1.310	-.926	.000	.000
VEL-S	.000	-.360	-.252	-.176	.506	-.855	-1.020	-.784	-.541	.000

VEL-W	.591	.957	.806	1.522	1.334	1.923	1.732	1.317	1.278	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.100	.161	.188	.312	.360	.224	.224	.376	.100	.077
ELEVATION	1430.100	1430.161	1432.188	1434.312	1436.360	1440.224	1442.224	1438.376	1443.100	1447.077
VEL-N	.000	.120	.836	.907	.814	.758	.545	-.757	.631	.000
VEL-E	.000	-1.278	-1.317	-1.732	-1.923	-1.334	-1.522	-.806	-.957	-.591
VEL-S	-.120	-.836	-.907	-.814	-.758	-.545	.757	-.631	.000	.000
VEL-W	.000	1.660	1.619	1.705	1.670	1.329	1.371	1.112	.710	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.461	1.002	.100	.000	.000	.100	.000	.000
ELEVATION	1451.000	1456.000	1349.461	1346.002	1342.100	1340.000	1339.000	1338.100	1447.000	1444.000
VEL-N	.000	.000	1.160	1.386	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-1.599	-2.222	-2.317	.000	.000	-2.218	.000	.000
VEL-S	.000	.000	-1.127	-1.160	-1.386	.000	.000	-1.799	.000	.000
VEL-W	.000	.000	1.538	2.218	.000	.000	.000	.000	.000	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.000	.100	.269	.223	.345	.419	.408	.275	.261	.099
ELEVATION	1442.000	1437.100	1433.270	1432.223	1428.345	1426.419	1424.408	1422.275	1421.261	1422.099
VEL-N	.000	.441	.473	.852	.714	.823	.839	.657	.000	.000
VEL-E	.000	-.710	-1.112	-1.371	-1.329	-1.670	-1.705	-1.619	-1.660	.000
VEL-S	.000	.000	-.441	-.473	-.852	-.714	-.823	-.839	-.657	.000
VEL-W	.000	.566	1.237	1.220	1.119	1.538	1.621	1.695	1.912	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.047	.367	.390	.459	.355	.197	.283	.231	.099	.000
ELEVATION	1413.047	1412.367	1413.390	1416.459	1420.355	1423.198	1424.283	1426.231	1432.099	1435.000
VEL-N	.000	.000	.711	1.164	1.163	.768	.474	.616	.701	.000
VEL-E	.000	-1.912	-1.695	-1.621	-1.538	-1.119	-1.220	-1.237	-.566	.000
VEL-S	.000	-.711	-1.164	-1.163	-.768	-.474	-.616	-.701	.000	.000
VEL-W	.000	2.263	2.111	1.824	1.421	1.501	1.192	1.025	.544	.000

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.000	.657	.535	.545	.351	.278	.149	.154	.063	.162
ELEVATION	1437.000	1344.657	1346.535	1347.545	1350.351	1353.278	1358.149	1360.154	1354.063	1353.162
VEL-N	.000	1.799	1.214	.895	1.121	.980	.970	.539	.000	.952
VEL-E	.000	-1.538	-1.833	-1.960	-1.615	-1.353	-1.154	-.978	-.749	-1.178
VEL-S	.000	-1.214	-.895	-1.121	-.980	-.970	-.539	.000	.000	.000
VEL-W	.000	1.931	1.523	1.730	1.888	1.113	1.178	.749	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.012	.193	.299	.233	.202	.260	.331	.430	.143
ELEVATION	1427.000	1422.012	1420.193	1417.299	1415.233	1414.202	1409.260	1406.331	1404.430	1403.143
VEL-N	.000	.000	.593	.799	.575	1.199	1.311	1.243	.773	.551
VEL-E	.000	-.544	-1.025	-1.192	-1.501	-1.421	-1.824	-2.111	-2.263	.000
VEL-S	.000	.000	.000	-.593	-.799	-.575	-1.199	-1.311	-1.243	-.773
VEL-W	.000	.000	.742	1.122	1.776	1.531	2.296	2.242	2.524	1.144

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.410	.441	.422	.284	.230	.256	.180	.116	.000	.000
ELEVATION	1393.410	1396.441	1397.422	1400.284	1403.230	1406.256	1411.180	1414.116	1416.000	1421.000
VEL-N	-.211	1.324	.749	1.147	1.011	.910	.951	.480	.000	.000
VEL-E	-1.144	-2.524	-2.242	-2.296	-1.531	-1.776	-1.122	-.742	.000	.000
VEL-S	-1.324	-.749	-1.147	-1.011	-.910	-.951	-.480	.000	.000	.000
VEL-W	1.935	2.042	1.977	1.911	1.424	1.530	1.099	.654	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.243	.501	.820	.579	.100	.100	.100	.100	.000	.000

ELEVATION	1350.243	1344.501	1343.820	1343.579	1337.100	1337.100	1338.100	1337.100	1336.000	1335.000
VEL-N	1.751	.814	.520	1.664	.000	.000	.000	.000	.000	.000
VEL-E	-1.113	-1.888	-1.730	-1.523	-1.931	-1.942	-2.234	-2.293	.000	.000
VEL-S	-.952	-1.751	-.814	-.520	-1.664	.000	.000	.000	.000	.000
VEL-W	.000	2.293	2.234	1.942	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.099	.130	.261	.264	.343	.406	.464	.517
ELEVATION	1413.000	1412.000	1408.099	1403.130	1398.261	1395.264	1392.343	1390.406	1387.464	1384.517
VEL-N	.000	.000	.645	.758	.950	.944	.916	1.105	1.076	.938
VEL-E	.000	.000	-.654	-1.099	-1.530	-1.424	-1.911	-1.977	-2.042	-1.935
VEL-S	.000	.000	.000	-.645	-.758	-.950	-.944	-.916	-1.105	-1.076
VEL-W	.000	.000	1.067	.850	1.118	1.358	1.523	1.820	1.968	2.002

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.191	.100	.100	.000	1.336	.113	.170	.233	.320
ELEVATION	1409.000	1400.191	1394.100	1389.100	1392.000	1377.336	1378.113	1381.170	1369.233	1373.320
VEL-N	.000	.000	.567	.000	.000	.000	.241	.495	.418	.897
VEL-E	.000	.000	-.713	.000	.000	.000	-.840	.707	-.723	-.899
VEL-S	.000	-.551	.211	-.567	.000	-.241	-.495	-.938	-.897	-.999
VEL-W	.000	.713	.810	.840	.000	-.707	.723	.899	1.042	1.374

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.666	.594	.428	.354	.373	.220	.136	.100	.031	.099
ELEVATION	1375.666	1377.594	1382.428	1385.354	1387.373	1392.220	1395.136	1398.100	1392.031	1389.099
VEL-N	.999	1.025	1.305	.895	.757	.838	.472	.498	.000	.504
VEL-E	-2.002	-1.968	-1.820	-1.523	-1.358	-1.118	-.850	-1.067	-.748	-.695
VEL-S	-1.025	-1.305	-.895	-.757	-.838	-.472	-.498	.000	.000	.000
VEL-W	2.009	1.855	1.457	1.474	1.045	.908	.695	.748	.000	1.068

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.154	.210	.419	.329	.418	.558	.436	.282	1.195	.841
ELEVATION	1385.154	1382.210	1377.419	1375.329	1371.418	1368.558	1365.436	1362.282	1359.195	1356.841
VEL-N	.515	.809	.784	1.108	1.111	1.159	.938	.790	1.620	1.042
VEL-E	-.908	-1.045	-1.474	-1.457	-1.855	-2.009	-1.374	-1.042	-3.353	-2.083
VEL-S	-.504	-.515	-.809	-.784	-1.108	-1.111	-1.159	-.938	-.790	-1.620
VEL-W	.944	1.108	1.271	1.567	2.122	2.109	1.677	1.325	2.343	2.381

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.519	.000	.100	1.271	.674	.416	.654	.698	.426	.433
ELEVATION	1355.519	1341.000	1345.100	1350.271	1353.674	1355.416	1357.654	1359.698	1363.426	1365.433
VEL-N	.000	.000	.000	1.843	1.480	.865	1.159	1.151	1.285	.949
VEL-E	.000	.000	-1.729	-2.381	-2.343	-1.325	-1.677	-2.109	-2.122	-1.567
VEL-S	-1.042	.000	-1.843	-1.480	-.865	-1.159	-1.151	-1.285	-.949	-1.048
VEL-W	1.729	.000	.000	2.317	2.222	1.599	1.652	1.695	1.864	1.208

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
200	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 200 IS EQUAL TO 3878.99

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	4.255	4.312	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1333.255	1332.312	.000	.000	.000	.000	.000	.000	.000	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.000	.000	4.172	4.748	4.288	4.936	.000	.000
ELEVATION	.000	.000	.000	.000	1335.172	1335.748	1334.288	1333.936	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.000	.000	.000	.000	4.385	4.275	3.045	3.217	3.174	1.733
ELEVATION	.000	.000	.000	.000	1332.385	1332.275	1332.045	1331.217	1330.174	1327.733

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	4.302	4.494	.000	.000	.000	.000	.000	.000	.000
ELEVATION	.000	1336.302	1336.494	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 14.00 MAX. TIMESTEP(SEC.) = 19.50 MEAN TIMESTEP(SEC.) = 16.30

MODEL TIME(HOURS) = 4.25 (SECONDS) = .153E+05 (TOTAL TIMESTEP NUMBER) = 8.7E+02

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 123.32

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.022	.098	.099	.099	.000	.000	.000	.622	1.215
ELEVATION	1565.000	1565.022	1565.098	1566.099	1566.099	1568.000	1568.000	1568.000	1365.622	1368.215
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.587
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-4.329
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	-1.587	-.382
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	2.241	3.549

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.099	.100	.099	.098	.099	.000	.000
ELEVATION	1338.000	1337.000	1545.000	1541.099	1543.099	1543.099	1548.098	1549.099	1550.000	1550.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.043	.096	.099	.098	.099	.099	.027	.000	.000
ELEVATION	1530.000	1532.043	1534.096	1531.099	1531.098	1530.099	1531.099	1531.027	1533.000	1534.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.099	.100	.100	.098	.095	.000	.000
ELEVATION	1522.000	1521.000	1519.000	1517.099	1516.100	1517.100	1518.098	1520.095	1521.000	1518.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.099	.099	.098	.102	.100	.000	.000	.000
ELEVATION	1503.000	1504.000	1500.099	1503.099	1505.098	1504.102	1506.100	1507.000	1509.000	1510.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.810	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.000	.000	.224	.341	.100	.099	.000	.000
ELEVATION	1497.000	1497.000	1650.000	1600.000	1494.224	1489.341	1493.100	1489.099	1493.000	1492.000
VEL-N	.000	.000	.000	.000	.960	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-.810	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	-.960	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	1.231	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.098	.100	.100	.150	.321	.000	.000	.000
ELEVATION	1476.000	1476.000	1478.098	1478.100	1479.100	1480.150	1483.321	1540.000	1600.000	1482.000
VEL-N	.000	.000	.000	.000	.000	.482	.916	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-1.231	.000	.000	.000
VEL-S	.000	.000	.000	.000	-.482	-.916	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	1.472	1.442	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.242	.195	.119	.100	.027	.147	.000	.000
ELEVATION	1483.000	1484.000	1371.242	1373.195	1376.119	1379.100	1372.027	1370.147	1476.000	1475.000
VEL-N	.000	.000	.980	.491	.486	.587	.000	.643	.000	.000
VEL-E	.000	.000	-1.193	-1.046	-.904	.000	-.796	-.794	.000	.000
VEL-S	.000	.000	-.491	-.486	-.587	.000	.000	.000	.000	.000
VEL-W	.000	.000	1.071	.961	.794	.796	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.120	.115	.154	.168	.249	.099	.098	.068	.000
ELEVATION	1473.000	1467.120	1470.115	1473.154	1469.168	1464.249	1466.099	1462.098	1461.068	1462.000
VEL-N	.000	-.428	-.539	.772	1.061	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-1.442	-1.472	.000	.000	.000	.000	.000
VEL-S	.000	.000	.428	.539	-.772	-1.061	.000	.000	.000	.000
VEL-W	.000	.684	.669	1.393	1.346	1.307	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.099	.100	.121	.255	.397	.172	.099	.102	1.131
ELEVATION	1453.000	1450.099	1452.100	1455.121	1458.255	1458.397	1460.172	1462.099	1459.102	1454.131
VEL-N	.000	.000	.000	.537	.684	.210	.553	.352	-.390	-.509
VEL-E	.000	.000	.000	.000	-1.307	-1.346	-1.393	-.669	-.684	.000
VEL-S	.000	.000	-.537	-.684	-.210	-.553	-.352	.390	.509	.000
VEL-W	.000	1.283	.000	1.038	1.485	1.278	1.135	.746	.604	.126

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.000	.000	.191	.241	.272	.531	.459	.462	.000	.000
ELEVATION	1456.000	1459.000	1367.191	1364.241	1360.272	1355.531	1354.459	1352.462	1463.000	1458.000
VEL-N	.000	.000	.668	.806	.956	.677	.879	1.061	.000	.000
VEL-E	.000	.000	-.961	-1.071	-1.132	-1.739	-1.588	-1.540	.000	.000
VEL-S	.000	.000	-.643	-.668	-.806	-.956	-.677	-.879	.000	.000
VEL-W	.000	.000	.938	1.101	1.273	1.519	1.846	1.717	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.104	.110	.100	.401	.178	.249	.189	.108	.101	.000
ELEVATION	1454.104	1452.110	1451.100	1450.401	1452.178	1448.249	1445.189	1442.108	1440.101	1441.000
VEL-N	.326	.234	.188	-.441	.738	.854	.662	.492	.000	.000
VEL-E	-.126	-.604	-.746	-1.135	-1.278	-1.485	-1.038	.000	-1.283	.000
VEL-S	.000	-.326	-.234	-.188	.441	-.738	-.854	-.662	-.492	.000
VEL-W	.603	.916	.804	1.318	1.147	1.610	1.464	1.124	1.281	.000

NODE	121	122	123	124	125	126	127	128	129	130

DEPTH	.099	.132	.152	.253	.287	.183	.183	.326	.107	.100
ELEVATION	1430.099	1430.132	1432.152	1434.253	1436.287	1440.183	1442.183	1438.326	1443.107	1447.100
VEL-N	.000	.081	.728	.784	.701	.665	.476	-.661	.659	.578
VEL-E	.000	-1.281	-1.124	-1.464	-1.610	-1.147	-1.318	-.804	-.916	-.603
VEL-S	-.081	-.728	-.784	-.701	-.665	-.476	.661	-.659	-.578	.000
VEL-W	.000	1.454	1.410	1.482	1.436	1.162	1.197	1.013	.725	.379

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.429	1.038	.100	.000	.000	.100	.000	.000
ELEVATION	1451.000	1456.000	1349.429	1346.038	1342.100	1340.000	1339.000	1338.100	1447.000	1444.000
VEL-N	.000	.000	1.094	1.422	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-1.520	-2.320	-2.469	.000	.000	-2.272	.000	.000
VEL-S	.000	.000	-1.061	-1.094	-1.422	.000	.000	-1.710	.000	.000
VEL-W	.000	.000	1.467	2.272	.000	.000	.000	.000	.000	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.009	.100	.238	.188	.290	.342	.339	.229	.218	.099
ELEVATION	1442.009	1437.100	1433.238	1432.188	1428.290	1426.342	1424.339	1422.229	1421.218	1422.099
VEL-N	.000	.443	.429	.761	.639	.722	.739	.581	-.381	.000
VEL-E	-.379	-.725	-1.013	-1.197	-1.162	-1.436	-1.482	-1.410	-1.454	.000
VEL-S	.000	.000	-.443	-.429	-.761	-.639	-.722	-.739	-.581	.381
VEL-W	.000	.567	1.142	1.086	.998	1.355	1.435	1.503	1.695	.852

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.054	.311	.329	.390	.300	.170	.248	.207	.100	.000
ELEVATION	1413.054	1412.311	1413.329	1416.390	1420.300	1423.170	1424.248	1426.207	1432.100	1435.000
VEL-N	.000	.000	.635	1.040	1.041	.698	.430	.574	.703	.000
VEL-E	-.852	-1.695	-1.503	-1.435	-1.355	-.998	-1.086	-1.142	-.567	.000
VEL-S	.000	-.635	-1.040	-1.041	-.698	-.430	-.574	-.703	.000	.000
VEL-W	.000	2.029	1.894	1.637	1.274	1.357	1.090	.963	.578	.000

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.000	.605	.490	.501	.321	.250	.142	.139	.131	.186
ELEVATION	1437.000	1344.605	1346.490	1347.501	1350.321	1353.250	1358.142	1360.139	1354.131	1353.186
VEL-N	.000	1.710	1.146	.846	1.058	.913	.942	.510	.469	1.047
VEL-E	.000	-1.467	-1.717	-1.846	-1.519	-1.273	-1.101	-.938	-.865	-1.138
VEL-S	.000	-1.146	-.846	-1.058	-.913	-.942	-.510	.000	.000	-.469
VEL-W	.000	1.837	1.435	1.635	1.776	1.078	1.138	.865	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.022	.180	.271	.206	.174	.224	.285	.370	.124
ELEVATION	1427.000	1422.022	1420.180	1417.271	1415.206	1414.174	1409.224	1406.285	1404.370	1403.124
VEL-N	.000	.000	.567	.742	.526	1.089	1.189	1.127	.689	.502
VEL-E	.000	-.578	-.963	-1.090	-1.357	-1.274	-1.637	-1.894	-2.029	.000
VEL-S	.000	.000	.000	-.567	-.742	-.526	-1.089	-1.189	-1.127	-.689
VEL-W	.000	.000	.703	1.051	1.638	1.389	2.079	2.027	2.286	1.042

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.362	.383	.365	.248	.203	.231	.164	.106	.000	.000
ELEVATION	1393.362	1396.382	1397.365	1400.248	1403.203	1406.231	1411.165	1414.106	1416.000	1421.000
VEL-N	-.219	1.208	.680	1.051	.931	.844	.896	.450	.000	.000
VEL-E	-1.042	-2.286	-2.027	-2.079	-1.389	-1.638	-1.051	-.703	.000	.000
VEL-S	-1.208	-.680	-1.051	-.931	-.844	-.896	-.450	.000	.000	.000
VEL-W	1.781	1.856	1.804	1.745	1.310	1.429	1.037	.631	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.253	.484	.776	.533	.100	.100	.100	.100	.000	.000
ELEVATION	1350.253	1344.484	1343.776	1343.533	1337.100	1337.100	1338.100	1337.100	1336.000	1335.000
VEL-N	1.803	.812	.499	1.582	.000	.000	.000	.000	.000	.000
VEL-E	-1.078	-1.776	-1.635	-1.435	-1.837	-1.846	-2.152	-2.248	.000	.000

VEL-S	-1.047	-1.803	-.812	-.499	-1.582	.000	.000	.000	.000	.000
VEL-W	.000	2.248	2.152	1.846	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.100	.119	.237	.237	.304	.357	.407	.459
ELEVATION	1413.000	1412.000	1408.100	1403.120	1398.237	1395.237	1392.304	1390.358	1387.407	1384.458
VEL-N	.000	.000	.000	.721	.891	.880	.847	1.017	.986	.861
VEL-E	.000	.000	-.631	-1.037	-1.429	-1.310	-1.745	-1.804	-1.856	-1.781
VEL-S	.000	.000	.000	.000	-.721	-.891	-.880	-.847	-1.017	-.986
VEL-W	.000	.000	.000	.807	1.050	1.263	1.404	1.673	1.805	1.850

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.167	.100	.100	.000	1.457	.108	.151	.220	.283
ELEVATION	1409.000	1400.167	1394.100	1389.100	1392.000	1377.457	1378.108	1381.151	1369.220	1373.283
VEL-N	.000	.000	.566	.000	.000	.000	.215	.467	.382	.839
VEL-E	.000	.000	-.673	.000	.000	.000	.000	.641	-.707	-.832
VEL-S	.000	-.502	.219	-.566	.000	-.215	-.467	-.861	-.839	-.917
VEL-W	.000	.673	.813	.000	.000	-.641	.707	.832	1.004	1.265

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.594	.526	.380	.317	.340	.201	.123	.099	.051	.101
ELEVATION	1375.594	1377.526	1382.380	1385.318	1387.340	1392.201	1395.123	1398.099	1392.051	1389.101
VEL-N	.917	.946	1.207	.833	.708	.791	.443	.000	.000	.000
VEL-E	-1.850	-1.805	-1.673	-1.404	-1.263	-1.050	-.807	.000	.000	-.668
VEL-S	-.946	-1.207	-.833	-.708	-.791	-.443	.000	.000	.000	.000
VEL-W	1.866	1.713	1.350	1.370	.981	.854	.668	.000	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.140	.193	.384	.297	.374	.504	.389	.264	1.297	.923
ELEVATION	1385.140	1382.193	1377.384	1375.297	1371.375	1368.504	1365.389	1362.264	1359.297	1356.922
VEL-N	.484	.764	.736	1.036	1.035	1.077	.875	.740	1.723	1.128
VEL-E	-.854	-.981	-1.370	-1.350	-1.713	-1.866	-1.265	-1.004	-3.549	-2.241
VEL-S	.000	-.484	-.764	-.736	-1.036	-1.035	-1.077	-.875	-.740	-1.723
VEL-W	.904	1.046	1.193	1.464	1.973	1.970	1.555	1.268	2.477	2.527

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.658	.000	.100	1.390	.718	.386	.588	.633	.383	.390
ELEVATION	1355.658	1341.000	1345.100	1350.390	1353.718	1355.386	1357.588	1359.633	1363.383	1365.390
VEL-N	.000	.000	.000	1.972	1.527	.804	1.080	1.076	1.201	.884
VEL-E	.000	.000	-1.996	-2.527	-2.477	-1.268	-1.555	-1.970	-1.973	-1.464
VEL-S	-1.128	.000	-1.972	-1.527	-.804	-1.080	-1.076	-1.201	-.884	-.980
VEL-W	1.996	.000	.000	2.469	2.320	1.520	1.540	1.588	1.739	1.132

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
200	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 200 IS EQUAL TO 3731.45

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	4.276	4.113	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1333.276	1332.113	.000	.000	.000	.000	.000	.000	.000	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.000	.000	4.501	5.225	4.507	5.078	.000	.000
ELEVATION	.000	.000	.000	.000	1335.501	1336.225	1334.507	1334.078	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.000	.000	.000	.000	4.155	4.064	2.873	3.090	3.091	1.689
ELEVATION	.000	.000	.000	.000	1332.155	1332.064	1331.873	1331.090	1330.091	1327.689

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	4.857	5.039	.000	.000	.000	.000	.000	.000	.000
ELEVATION	.000	1336.857	1337.039	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 11.50 MAX. TIMESTEP(SEC.) = 14.50 MEAN TIMESTEP(SEC.) = 12.88

MODEL TIME(HOURS) = 4.50 (SECONDS) = .162E+05 (TOTAL TIMESTEP NUMBER) = 1.0E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 123.32

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.022	.098	.099	.099	.000	.000	.000	.673	1.293
ELEVATION	1565.000	1565.022	1565.098	1566.099	1566.099	1568.000	1568.000	1568.000	1365.673	1368.293
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.670
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-4.521
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	-1.670	-.344
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	2.362	3.699

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.099	.100	.099	.098	.099	.000	.000
ELEVATION	1338.000	1337.000	1545.000	1541.099	1543.099	1543.099	1548.098	1549.099	1550.000	1550.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.043	.096	.099	.098	.099	.099	.027	.000	.000
ELEVATION	1530.000	1532.043	1534.096	1531.099	1531.098	1530.099	1531.099	1531.027	1533.000	1534.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.099	.100	.100	.098	.095	.000	.000
ELEVATION	1522.000	1521.000	1519.000	1517.099	1516.100	1517.100	1518.098	1520.095	1521.000	1518.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.099	.099	.098	.100	.100	.000	.000	.000
ELEVATION	1503.000	1504.000	1500.099	1503.099	1505.098	1504.100	1506.100	1507.000	1509.000	1510.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.000	.000	.114	.203	.100	.099	.000	.000
ELEVATION	1497.000	1497.000	1650.000	1600.000	1494.114	1489.203	1493.100	1489.099	1493.000	1492.000
VEL-N	.000	.000	.000	.000	.615	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	-.615	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.885	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.098	.100	.099	.101	.211	.000	.000	.000
ELEVATION	1476.000	1476.000	1478.098	1478.099	1479.099	1480.101	1483.211	1540.000	1600.000	1482.000
VEL-N	.000	.000	.000	.000	.000	.405	.687	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-.885	.000	.000	.000
VEL-S	.000	.000	.000	.000	-.405	-.687	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	1.126	1.093	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.219	.177	.111	.099	.048	.144	.000	.000
ELEVATION	1483.000	1484.000	1371.219	1373.177	1376.110	1379.099	1372.048	1370.144	1476.000	1475.000
VEL-N	.000	.000	.919	.461	.462	.584	.000	.633	.000	.000
VEL-E	.000	.000	-1.115	-.983	-.853	.000	-.879	-.754	.000	.000
VEL-S	.000	.000	-.461	-.462	-.584	.000	.000	.000	.000	.000
VEL-W	.000	.000	1.004	.907	.754	.879	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.100	.099	.105	.118	.183	.097	.099	.068	.000
ELEVATION	1473.000	1467.100	1470.099	1473.105	1469.118	1464.183	1466.097	1462.099	1461.068	1462.000
VEL-N	.000	-.389	-.446	.597	.838	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-1.093	-1.126	.000	.000	.000	.000	.000
VEL-S	.000	.000	.389	.446	-.597	-.838	.000	.000	.000	.000
VEL-W	.000	.000	.635	1.077	1.064	1.061	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.100	.100	.100	.182	.303	.123	.100	.099	1.110
ELEVATION	1453.000	1450.100	1452.100	1455.100	1458.182	1458.303	1460.123	1462.100	1459.099	1454.110
VEL-N	.000	.000	.000	.502	.560	.160	.449	.000	.000	-.503
VEL-E	.000	.000	.000	.000	-1.061	-1.064	-1.077	-.635	.000	.000
VEL-S	.000	.000	-.502	-.560	-.160	-.449	.000	.000	.503	.000
VEL-W	.000	.000	.000	.916	1.195	1.069	.912	.000	.595	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.000	.000	.187	.226	.252	.483	.416	.415	.000	.000
ELEVATION	1456.000	1459.000	1367.187	1364.226	1360.252	1355.483	1354.416	1352.415	1463.000	1458.000
VEL-N	.000	.000	.661	.772	.910	.633	.823	.993	.000	.000
VEL-E	.000	.000	-.907	-1.004	-1.061	-1.614	-1.480	-1.428	.000	.000
VEL-S	.000	.000	-.633	-.661	-.772	-.910	-.633	-.823	.000	.000
VEL-W	.000	.000	.894	1.048	1.202	1.423	1.728	1.599	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.100	.100	.100	.314	.139	.188	.133	.100	.100	.000
ELEVATION	1454.100	1452.100	1451.100	1450.314	1452.139	1448.188	1445.133	1442.100	1440.099	1441.000
VEL-N	.000	.000	.000	-.380	.628	.693	.557	.000	.000	.000
VEL-E	.000	-.595	.000	-.912	-1.069	-1.195	-.916	.000	.000	.000
VEL-S	.000	.000	.000	.000	.380	-.628	-.693	-.557	.000	.000
VEL-W	.000	.000	.000	1.124	.973	1.334	1.158	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.099	.104	.113	.194	.224	.147	.147	.258	.100	.099
ELEVATION	1430.099	1430.104	1432.113	1434.194	1436.224	1440.147	1442.147	1438.258	1443.100	1447.099
VEL-N	.000	.000	.609	.649	.590	.577	.412	-.575	.000	.000

VEL-E	.000	.000	.000	-1.158	-1.334	-.973	-1.124	.000	.000	.000
VEL-S	.000	-.609	-.649	-.590	-.577	-.412	.575	.000	.000	.000
VEL-W	.000	1.250	1.157	1.243	1.216	1.006	1.036	.884	.000	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.393	1.061	.100	.000	.000	.100	.000	.000
ELEVATION	1451.000	1456.000	1349.393	1346.061	1342.100	1340.000	1339.000	1338.100	1447.000	1444.000
VEL-N	.000	.000	1.023	1.446	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-1.432	-2.393	-2.587	.000	.000	-2.307	.000	.000
VEL-S	.000	.000	-.993	-1.023	-1.446	.000	.000	-1.611	.000	.000
VEL-W	.000	.000	1.387	2.307	.000	.000	.000	.000	.000	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.018	.099	.203	.157	.240	.273	.273	.182	.179	.100
ELEVATION	1442.018	1437.099	1433.203	1432.156	1428.240	1426.273	1424.273	1422.182	1421.179	1422.100
VEL-N	.000	.000	.383	.676	.566	.623	.634	.502	.000	.000
VEL-E	.000	.000	-.884	-1.036	-1.006	-1.216	-1.243	-1.157	-1.250	.000
VEL-S	.000	.000	.000	-.383	-.676	-.566	-.623	-.634	-.502	.000
VEL-W	.000	.000	1.034	.962	.885	1.178	1.241	1.291	1.490	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.057	.261	.269	.322	.248	.145	.215	.179	.100	.000
ELEVATION	1413.057	1412.261	1413.269	1416.322	1420.248	1423.145	1424.215	1426.178	1432.100	1435.000
VEL-N	.000	.000	.557	.912	.920	.630	.388	.523	.000	.000
VEL-E	.000	-1.490	-1.291	-1.241	-1.178	-.885	-.962	-1.034	.000	.000
VEL-S	.000	-.557	-.912	-.920	-.630	-.388	-.523	.000	.000	.000
VEL-W	.000	1.806	1.671	1.446	1.129	1.218	.991	.889	.000	.000

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.000	.549	.443	.456	.292	.228	.129	.119	.158	.199
ELEVATION	1437.000	1344.549	1346.443	1347.456	1350.292	1353.228	1358.129	1360.119	1354.158	1353.199
VEL-N	.000	1.611	1.075	.794	.995	.858	.887	.459	.536	1.100
VEL-E	.000	-1.387	-1.599	-1.728	-1.423	-1.202	-1.048	-.894	-.795	-1.068
VEL-S	.000	-1.075	-.794	-.995	-.858	-.887	-.459	.000	.000	-.536
VEL-W	.000	1.732	1.344	1.538	1.666	1.008	1.068	.795	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.030	.164	.242	.180	.148	.189	.240	.315	.106
ELEVATION	1427.000	1422.030	1420.164	1417.242	1415.180	1414.148	1409.189	1406.240	1404.315	1403.106
VEL-N	.000	.000	.534	.684	.478	.978	1.064	1.009	.610	.453
VEL-E	.000	.000	-.889	-.991	-1.218	-1.129	-1.446	-1.671	-1.806	.000
VEL-S	.000	.000	.000	-.534	-.684	-.478	-.978	-1.064	-1.009	-.610
VEL-W	.000	.000	.667	.973	1.498	1.247	1.857	1.810	2.052	.941

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.315	.327	.311	.213	.177	.205	.147	.100	.000	.000
ELEVATION	1393.315	1396.327	1397.311	1400.213	1403.177	1406.205	1411.147	1414.100	1416.000	1421.000
VEL-N	-.225	1.093	.612	.953	.850	.776	.830	.436	.000	.000
VEL-E	-.941	-2.052	-1.810	-1.857	-1.247	-1.498	-.973	-.667	.000	.000
VEL-S	-1.093	-.612	-.953	-.850	-.776	-.830	-.436	.000	.000	.000
VEL-W	1.625	1.672	1.632	1.578	1.195	1.322	.966	.619	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.252	.459	.723	.482	.100	.100	.100	.100	.000	.000
ELEVATION	1350.252	1344.458	1343.723	1343.482	1337.100	1337.100	1338.100	1337.100	1336.000	1335.000
VEL-N	1.806	.799	.471	1.489	.000	.000	.000	.000	.000	.000
VEL-E	-1.008	-1.666	-1.538	-1.344	-1.732	-1.737	-2.056	-2.178	.000	.000
VEL-S	-1.100	-1.806	-.799	-.471	-1.489	.000	.000	.000	.000	.000
VEL-W	.000	2.178	2.056	1.737	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.100	.109	.215	.210	.266	.312	.353	.402
ELEVATION	1413.000	1412.000	1408.100	1403.109	1398.214	1395.210	1392.266	1390.312	1387.353	1384.402
VEL-N	.000	.000	.000	.677	.829	.815	.777	.930	.897	.784
VEL-E	.000	.000	-.619	-.966	-1.322	-1.195	-1.578	-1.632	-1.672	-1.625
VEL-S	.000	.000	.000	.000	-.677	-.829	-.815	-.777	-.930	-.897
VEL-W	.000	.000	.000	.758	.983	1.168	1.286	1.527	1.642	1.696

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.142	.100	.101	.000	1.553	.100	.133	.203	.248
ELEVATION	1409.000	1400.142	1394.100	1389.101	1392.000	1377.553	1378.100	1381.133	1369.203	1373.248
VEL-N	.000	.000	.567	.000	.000	.000	.188	.434	.344	.778
VEL-E	.000	.000	-.629	.000	.000	.000	.000	.580	-.672	-.765
VEL-S	.000	-.453	.225	-.567	.000	-.188	-.434	-.784	-.778	-.835
VEL-W	.000	.629	.813	.000	.000	-.580	.672	.765	.952	1.158

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.523	.460	.334	.282	.308	.183	.110	.099	.069	.100
ELEVATION	1375.523	1377.460	1382.334	1385.282	1387.308	1392.183	1395.110	1398.099	1392.069	1389.100
VEL-N	.835	.867	1.110	.772	.660	.744	.410	.000	.000	.000
VEL-E	-1.696	-1.642	-1.527	-1.286	-1.168	-.983	-.758	.000	.000	-.640
VEL-S	-.867	-1.110	-.772	-.660	-.744	-.410	.000	.000	.000	.000
VEL-W	1.719	1.571	1.245	1.267	.919	.802	.640	.000	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.127	.176	.347	.266	.333	.449	.344	.242	1.375	.989
ELEVATION	1385.127	1382.176	1377.347	1375.266	1371.333	1368.449	1365.344	1362.242	1359.375	1356.989
VEL-N	.455	.720	.685	.964	.958	.994	.811	.687	1.802	1.190
VEL-E	-.802	-.919	-1.267	-1.245	-1.571	-1.719	-1.158	-.952	-3.699	-2.362
VEL-S	.000	-.455	-.720	-.685	-.964	-.958	-.994	-.811	-.687	-1.802
VEL-W	.853	.983	1.115	1.360	1.823	1.827	1.434	1.198	2.578	2.642

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.762	.000	.100	1.484	.752	.352	.525	.569	.343	.351
ELEVATION	1355.762	1341.000	1345.100	1350.484	1353.752	1355.353	1357.525	1359.569	1363.343	1365.351
VEL-N	.000	.000	.000	2.073	1.560	.742	1.000	.999	1.118	.823
VEL-E	.000	.000	-2.186	-2.642	-2.578	-1.198	-1.434	-1.827	-1.823	-1.360
VEL-S	-1.190	.000	-2.073	-1.560	-.742	-1.000	-.999	-1.118	-.823	-.919
VEL-W	2.186	.000	.000	2.587	2.393	1.432	1.428	1.480	1.614	1.061

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
200	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 200 IS EQUAL TO 3375.28

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	4.361	3.913	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1333.361	1331.913	.000	.000	.000	.000	.000	.000	.000	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.000	.000	4.788	5.648	4.725	5.244	.000	.000
ELEVATION	.000	.000	.000	.000	1335.788	1336.648	1334.725	1334.244	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.000	.000	.000	.000	3.951	3.868	2.688	2.916	2.939	1.580

ELEVATION	.000	.000	.000	.000	1331.951	1331.868	1331.688	1330.916	1329.939	1327.580

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	5.449	5.289	.000	.000	.000	.000	.000	.000	.000
ELEVATION	.000	1337.449	1337.289	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 10.50 MAX. TIMESTEP(SEC.) = 12.00 MEAN TIMESTEP(SEC.) = 11.27

MODEL TIME(HOURS) = 4.75 (SECONDS) = .171E+05 (TOTAL TIMESTEP NUMBER) = 1.2E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 123.32

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.022	.098	.099	.099	.000	.000	.000	.714	1.353
ELEVATION	1565.000	1565.022	1565.098	1566.099	1566.099	1568.000	1568.000	1568.000	1365.714	1368.353
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.734
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-4.668
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	-1.734	-.305
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	2.455	3.815

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.099	.100	.099	.098	.099	.000	.000
ELEVATION	1338.000	1337.000	1545.000	1541.099	1543.099	1543.099	1548.098	1549.099	1550.000	1550.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.043	.096	.099	.098	.099	.099	.027	.000	.000
ELEVATION	1530.000	1532.043	1534.096	1531.099	1531.098	1530.099	1531.099	1531.027	1533.000	1534.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.099	.100	.100	.098	.095	.000	.000
ELEVATION	1522.000	1521.000	1519.000	1517.099	1516.100	1517.100	1518.098	1520.095	1521.000	1518.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.099	.099	.098	.100	.100	.000	.000	.000
ELEVATION	1503.000	1504.000	1500.099	1503.099	1505.098	1504.100	1506.100	1507.000	1509.000	1510.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.000	.000	.100	.112	.100	.099	.000	.000
ELEVATION	1497.000	1497.000	1650.000	1600.000	1494.100	1489.112	1493.100	1489.099	1493.000	1492.000

VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.597	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.098	.099	.100	.099	.123	.000	.000	.000
ELEVATION	1476.000	1476.000	1478.098	1478.099	1479.100	1480.099	1483.123	1540.000	1600.000	1482.000
VEL-N	.000	.000	.000	.000	.000	.405	.542	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	-.597	.000	.000	.000
VEL-S	.000	.000	.000	.000	-.405	-.542	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	1.115	.865	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.198	.161	.100	.101	.067	.134	.000	.000
ELEVATION	1483.000	1484.000	1371.198	1373.161	1376.100	1379.101	1372.067	1370.134	1476.000	1475.000
VEL-N	.000	.000	.860	.432	.434	.000	.000	.605	.000	.000
VEL-E	.000	.000	-1.036	-.920	-.797	-1.066	.000	-.707	.000	.000
VEL-S	.000	.000	-.432	-.434	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.938	.849	.707	.000	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.100	.100	.100	.100	.119	.099	.100	.068	.000
ELEVATION	1473.000	1467.100	1470.100	1473.100	1469.100	1464.119	1466.099	1462.100	1461.068	1462.000
VEL-N	.000	.000	-.438	.578	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	-.865	-1.115	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.438	-.578	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	1.043	.000	.800	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.099	.100	.101	.125	.205	.100	.099	.100	1.109
ELEVATION	1453.000	1450.099	1452.100	1455.100	1458.125	1458.205	1460.100	1462.099	1459.100	1454.109
VEL-N	.000	.000	.000	.000	.477	.101	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	-.800	.000	-1.043	.000	.000	.000
VEL-S	.000	.000	.000	-.477	-.101	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.931	.838	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.000	.000	.176	.209	.230	.435	.374	.370	.000	.000
ELEVATION	1456.000	1459.000	1367.176	1364.209	1360.230	1355.435	1354.374	1352.370	1463.000	1458.000
VEL-N	.000	.000	.635	.734	.860	.588	.765	.922	.000	.000
VEL-E	.000	.000	-.849	-.938	-.990	-1.489	-1.369	-1.315	.000	.000
VEL-S	.000	.000	-.605	-.635	-.734	-.860	-.588	-.765	.000	.000
VEL-W	.000	.000	.854	.994	1.134	1.327	1.609	1.479	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.100	.100	.100	.227	.103	.140	.100	.099	.100	.000
ELEVATION	1454.100	1452.100	1451.100	1450.228	1452.103	1448.140	1445.100	1442.099	1440.100	1441.000
VEL-N	.000	.000	.000	-.315	.515	.571	.502	.477	.000	.000
VEL-E	.000	.000	.000	.000	-.838	-.931	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.315	-.515	-.571	-.502	-.477	.000
VEL-W	.000	.000	.000	.917	.797	1.097	.960	1.069	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.099	.100	.100	.142	.176	.116	.114	.189	.100	.100
ELEVATION	1430.099	1430.100	1432.100	1434.142	1436.176	1440.116	1442.114	1438.189	1443.100	1447.099
VEL-N	.000	.000	.572	.548	.492	.492	.347	-.486	.000	.000
VEL-E	.000	.000	-1.069	-.960	-1.097	-.797	-.917	.000	.000	.000
VEL-S	.000	-.572	-.548	-.492	-.492	-.347	.486	.000	.000	.000
VEL-W	.000	.000	1.066	1.008	1.034	.856	.872	.726	.000	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.356	1.076	.100	.000	.000	.100	.000	.000
ELEVATION	1451.000	1456.000	1349.356	1346.076	1342.100	1340.000	1339.000	1338.100	1447.000	1444.000
VEL-N	.000	.000	.950	1.461	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-1.337	-2.447	-2.679	.000	.000	-2.328	.000	.000
VEL-S	.000	.000	-.922	-.950	-1.461	.000	.000	-1.507	.000	.000
VEL-W	.000	.000	1.301	2.328	.000	.000	.000	.000	.000	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.019	.100	.155	.126	.196	.219	.214	.137	.130	.100
ELEVATION	1442.020	1437.100	1433.155	1432.125	1428.196	1426.219	1424.214	1422.137	1421.130	1422.100
VEL-N	.000	.000	.322	.584	.495	.534	.532	.412	.000	.000
VEL-E	.000	.000	-.726	-.872	-.856	-1.034	-1.008	-1.066	.000	.000
VEL-S	.000	.000	.000	-.322	-.584	-.495	-.534	-.532	-.412	.000
VEL-W	.000	.000	.869	.831	.775	1.024	1.056	1.066	1.209	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.057	.206	.211	.262	.204	.121	.178	.140	.099	.000
ELEVATION	1413.057	1412.206	1413.211	1416.262	1420.204	1423.121	1424.178	1426.140	1432.099	1435.000
VEL-N	.000	.000	.474	.786	.809	.561	.341	.443	.000	.000
VEL-E	.000	-1.209	-1.066	-1.056	-1.024	-.775	-.831	-.869	.000	.000
VEL-S	.000	-.474	-.786	-.809	-.561	-.341	-.443	.000	.000	.000
VEL-W	.000	1.542	1.439	1.265	.994	1.082	.875	.772	.000	.000

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.000	.492	.398	.413	.265	.209	.120	.110	.160	.197
ELEVATION	1437.000	1344.492	1346.398	1347.413	1350.265	1353.209	1358.120	1360.110	1354.160	1353.197
VEL-N	.000	1.507	1.003	.742	.937	.813	.842	.435	.542	1.092
VEL-E	.000	-1.301	-1.479	-1.609	-1.327	-1.134	-.994	-.854	-.753	-1.012
VEL-S	.000	-1.003	-.742	-.937	-.813	-.842	-.435	.000	.000	-.542
VEL-W	.000	1.621	1.252	1.443	1.563	.952	1.012	.753	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.032	.138	.209	.155	.125	.157	.197	.258	.101
ELEVATION	1427.000	1422.032	1420.138	1417.209	1415.155	1414.125	1409.157	1406.197	1404.258	1403.101
VEL-N	.000	.000	.477	.618	.429	.873	.943	.887	.535	.000
VEL-E	.000	.000	-.772	-.875	-1.082	-.994	-1.265	-1.439	-1.542	.000
VEL-S	.000	.000	.000	-.477	-.618	-.429	-.873	-.943	-.887	-.535
VEL-W	.000	.000	.622	.886	1.357	1.112	1.642	1.586	1.794	.000

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.266	.273	.261	.181	.152	.181	.129	.100	.000	.000
ELEVATION	1393.266	1396.272	1397.260	1400.181	1403.152	1406.181	1411.129	1414.100	1416.000	1421.000
VEL-N	.000	.972	.545	.856	.771	.708	.763	.438	.000	.000
VEL-E	.000	-1.794	-1.586	-1.642	-1.112	-1.357	-.886	-.622	.000	.000
VEL-S	-.972	-.545	-.856	-.771	-.708	-.763	-.438	.000	.000	.000
VEL-W	1.455	1.481	1.450	1.412	1.082	1.213	.898	.618	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.243	.427	.667	.429	.100	.100	.100	.100	.000	.000
ELEVATION	1350.243	1344.427	1343.667	1343.429	1337.100	1337.100	1338.100	1337.100	1336.000	1335.000
VEL-N	1.763	.774	.439	1.391	.000	.000	.000	.000	.000	.000
VEL-E	-.952	-1.563	-1.443	-1.252	-1.621	-1.623	-1.951	-2.090	.000	.000
VEL-S	-1.092	-1.763	-.774	-.439	-1.391	.000	.000	.000	.000	.000
VEL-W	.000	2.090	1.951	1.623	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.099	.100	.191	.184	.230	.266	.300	.345
ELEVATION	1413.000	1412.000	1408.099	1403.100	1398.191	1395.184	1392.230	1390.266	1387.300	1384.345

VEL-N	.000	.000	.000	.642	.763	.748	.707	.838	.805	.705
VEL-E	.000	.000	-.618	-.898	-1.213	-1.082	-1.412	-1.450	-1.481	-1.455
VEL-S	.000	.000	.000	.000	-.642	-.763	-.748	-.707	-.838	-.805
VEL-W	.000	.000	.000	.716	.908	1.071	1.167	1.374	1.475	1.534

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.114	.100	.099	.000	1.628	.101	.115	.181	.215
ELEVATION	1409.000	1400.114	1394.100	1389.099	1392.000	1377.628	1378.101	1381.115	1369.181	1373.215
VEL-N	.000	.000	.000	.000	.000	.000	.174	.410	.305	.713
VEL-E	.000	.000	-.577	.000	.000	.000	-.840	.518	-.673	-.693
VEL-S	.000	.000	.000	.000	.000	-.174	-.410	-.705	-.713	-.753
VEL-W	.000	.577	.000	.840	.000	-.518	.673	.693	.883	1.053

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.454	.397	.289	.248	.276	.162	.101	.100	.085	.099
ELEVATION	1375.454	1377.397	1382.289	1385.248	1387.276	1392.162	1395.101	1398.100	1392.085	1389.099
VEL-N	.753	.787	1.011	.710	.610	.687	.000	.000	.000	.505
VEL-E	-1.534	-1.475	-1.374	-1.167	-1.071	-.908	-.716	.000	.000	.000
VEL-S	-.787	-1.011	-.710	-.610	-.687	.000	.000	.000	.000	.000
VEL-W	1.569	1.427	1.137	1.163	.855	.743	.000	.000	.000	1.066

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.115	.159	.310	.235	.292	.396	.301	.218	1.435	1.042
ELEVATION	1385.115	1382.159	1377.310	1375.235	1371.292	1368.396	1365.301	1362.218	1359.435	1357.042
VEL-N	.424	.675	.633	.889	.880	.910	.746	.631	1.862	1.236
VEL-E	-.743	-.855	-1.163	-1.137	-1.427	-1.569	-1.053	-.883	-3.815	-2.455
VEL-S	-.505	-.424	-.675	-.633	-.889	-.880	-.910	-.746	-.631	-1.862
VEL-W	.797	.920	1.036	1.254	1.671	1.680	1.314	1.117	2.655	2.732

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.839	.000	.100	1.558	.776	.318	.463	.506	.303	.314
ELEVATION	1355.839	1341.000	1345.100	1350.558	1353.776	1355.318	1357.464	1359.506	1363.303	1365.314
VEL-N	.000	.000	.000	2.152	1.582	.680	.920	.921	1.034	.762
VEL-E	.000	.000	-2.323	-2.732	-2.655	-1.117	-1.314	-1.680	-1.671	-1.254
VEL-S	-1.236	.000	-2.152	-1.582	-.680	-.920	-.921	-1.034	-.762	-.860
VEL-W	2.323	.000	.000	2.679	2.447	1.337	1.315	1.369	1.489	.990

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
200	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 200 IS EQUAL TO 3010.80

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	4.441	3.702	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1333.441	1331.702	.000	.000	.000	.000	.000	.000	.000	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.000	.000	5.016	5.950	4.899	5.379	.000	.000
ELEVATION	.000	.000	.000	.000	1336.016	1336.950	1334.899	1334.379	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.000	.000	.000	.000	3.736	3.661	2.492	2.729	2.776	1.464
ELEVATION	.000	.000	.000	.000	1331.736	1331.661	1331.492	1330.729	1329.776	1327.464

NODE	241	242	243	244	245	246	247	248	249	250

DEPTH	.000	5.794	5.612	.000	.000	.000	.000	.000	.000	.000
ELEVATION	.000	1337.794	1337.612	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 10.00 MAX. TIMESTEP(SEC.) = 11.00 MEAN TIMESTEP(SEC.) = 10.49

MODEL TIME(HOURS) = 5.00 (SECONDS) = .180E+05 (TOTAL TIMESTEP NUMBER) = 1.4E+03

FLOOD PLAIN RESULTS

INFLOW RATE AT NODE 5 IS EQUAL TO 123.32

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.022	.098	.099	.099	.000	.000	.000	.745	1.398
ELEVATION	1565.000	1565.022	1565.098	1566.099	1566.099	1568.000	1568.000	1568.000	1365.745	1368.398
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	1.781
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	-4.775
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	-1.781	-.268
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	2.524	3.899

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.099	.100	.099	.098	.099	.000	.000
ELEVATION	1338.000	1337.000	1545.000	1541.099	1543.099	1543.099	1548.098	1549.099	1550.000	1550.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.043	.096	.099	.098	.099	.099	.027	.000	.000
ELEVATION	1530.000	1532.043	1534.096	1531.099	1531.098	1530.099	1531.099	1531.027	1533.000	1534.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.099	.100	.100	.098	.095	.000	.000
ELEVATION	1522.000	1521.000	1519.000	1517.099	1516.100	1517.100	1518.098	1520.095	1521.000	1518.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.099	.099	.098	.100	.100	.000	.000	.000
ELEVATION	1503.000	1504.000	1500.099	1503.099	1505.098	1504.100	1506.100	1507.000	1509.000	1510.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.000	.000	.100	.100	.100	.099	.000	.000
ELEVATION	1497.000	1497.000	1650.000	1600.000	1494.100	1489.100	1493.100	1489.099	1493.000	1492.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.098	.100	.100	.099	.100	.000	.000	.000
ELEVATION	1476.000	1476.000	1478.098	1478.100	1479.100	1480.099	1483.100	1540.000	1600.000	1482.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.177	.143	.101	.099	.083	.118	.000	.000
ELEVATION	1483.000	1484.000	1371.177	1373.143	1376.101	1379.099	1372.083	1370.118	1476.000	1475.000
VEL-N	.000	.000	.801	.400	.436	.587	.000	.556	.000	.000
VEL-E	.000	.000	-.958	-.848	-.761	.000	-1.010	-.709	.000	.000
VEL-S	.000	.000	-.400	-.436	-.587	.000	.000	.000	.000	.000
VEL-W	.000	.000	.872	.785	.709	1.010	.000	.000	.000	.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.100	.099	.099	.099	.099	.099	.100	.068	.000
ELEVATION	1473.000	1467.100	1470.099	1473.099	1469.099	1464.099	1466.099	1462.100	1461.068	1462.000
VEL-N	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.099	.100	.099	.100	.121	.099	.100	.099	1.109
ELEVATION	1453.000	1450.099	1452.099	1455.099	1458.100	1458.121	1460.099	1462.100	1459.099	1454.109
VEL-N	.000	.000	.000	.000	.000	.041	.000	.000	.000	.000
VEL-E	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	-.041	.000	.000	.000	.000	.000
VEL-W	.000	.000	.000	.000	.000	.666	.000	.000	.000	.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.000	.000	.159	.190	.208	.388	.333	.327	.000	.000
ELEVATION	1456.000	1459.000	1367.159	1364.190	1360.208	1355.388	1354.333	1352.327	1463.000	1458.000
VEL-N	.000	.000	.594	.689	.805	.544	.707	.853	.000	.000
VEL-E	.000	.000	-.785	-.872	-.918	-1.366	-1.258	-1.206	.000	.000
VEL-S	.000	.000	-.556	-.594	-.689	-.805	-.544	-.707	.000	.000
VEL-W	.000	.000	.802	.935	1.065	1.232	1.490	1.363	.000	.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.100	.099	.100	.148	.099	.099	.099	.100	.099	.000
ELEVATION	1454.100	1452.099	1451.100	1450.148	1452.099	1448.099	1445.099	1442.100	1440.099	1441.000
VEL-N	.000	.000	.000	-.315	.505	.000	.500	.000	.000	.000
VEL-E	.000	.000	.000	.000	-.666	.000	.000	.000	.000	.000
VEL-S	.000	.000	.000	.000	.315	-.505	.000	-.500	.000	.000
VEL-W	.000	.000	.000	.738	.778	.000	.960	.000	.000	.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.099	.099	.100	.101	.108	.101	.100	.138	.099	.100
ELEVATION	1430.099	1430.099	1432.100	1434.101	1436.108	1440.101	1442.100	1438.138	1443.099	1447.100
VEL-N	.000	.000	.000	.000	.369	.000	.318	-.449	.000	.000
VEL-E	.000	.000	.000	-.960	.000	-.778	-.738	.000	.000	.000
VEL-S	.000	.000	.000	-.369	.000	-.318	.449	.000	.000	.000
VEL-W	.000	.000	.000	.000	.751	.000	.800	.596	.000	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.319	1.083	.100	.000	.000	.100	.000	.000

ELEVATION	1451.000	1456.000	1349.319	1346.083	1342.100	1340.000	1339.000	1338.100	1447.000	1444.000
VEL-N	.000	.000	.878	1.468	.000	.000	.000	.000	.000	.000
VEL-E	.000	.000	-1.241	-2.486	-2.747	.000	.000	-2.338	.000	.000
VEL-S	.000	.000	-.853	-.878	-1.468	.000	.000	-1.404	.000	.000
VEL-W	.000	.000	1.214	2.338	.000	.000	.000	.000	.000	.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.020	.099	.119	.101	.140	.165	.153	.100	.100	.100
ELEVATION	1442.020	1437.099	1433.119	1432.101	1428.140	1426.165	1424.153	1422.100	1421.100	1422.100
VEL-N	.000	.000	.271	.000	.397	.436	.425	.000	.000	.000
VEL-E	.000	.000	-.596	-.800	.000	-.751	.000	.000	.000	.000
VEL-S	.000	.000	.000	-.271	.000	-.397	-.436	-.425	.000	.000
VEL-W	.000	.000	.733	.000	.644	.866	.847	.000	.000	.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.057	.150	.163	.210	.165	.100	.139	.110	.099	.000
ELEVATION	1413.057	1412.150	1413.163	1416.210	1420.165	1423.100	1424.139	1426.110	1432.099	1435.000
VEL-N	.000	.000	.395	.672	.704	.497	.291	.378	.000	.000
VEL-E	.000	.000	.000	-.847	-.866	-.644	.000	-.733	.000	.000
VEL-S	.000	-.395	-.672	-.704	-.497	-.291	-.378	.000	.000	.000
VEL-W	.000	1.254	1.234	1.099	.870	.955	.741	.658	.000	.000

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.000	.435	.355	.372	.240	.192	.110	.102	.154	.188
ELEVATION	1437.000	1344.435	1346.355	1347.372	1350.240	1353.192	1358.110	1360.102	1354.154	1353.188
VEL-N	.000	1.404	.933	.690	.878	.768	.798	.413	.530	1.060
VEL-E	.000	-1.214	-1.363	-1.490	-1.232	-1.065	-.935	-.802	-.713	-.958
VEL-S	.000	-.933	-.690	-.878	-.768	-.798	-.413	.000	.000	-.530
VEL-W	.000	1.511	1.162	1.348	1.464	.898	.958	.713	.000	.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.033	.109	.172	.129	.105	.130	.160	.203	.100
ELEVATION	1427.000	1422.032	1420.109	1417.172	1415.129	1414.105	1409.130	1406.160	1404.203	1403.100
VEL-N	.000	.000	.408	.543	.379	.776	.833	.776	.467	.000
VEL-E	.000	.000	-.658	-.741	-.955	-.870	-1.099	-1.234	-1.254	.000
VEL-S	.000	.000	.000	-.408	-.543	-.379	-.776	-.833	-.776	-.467
VEL-W	.000	.000	.567	.779	1.199	.988	1.449	1.383	1.529	.000

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.222	.220	.217	.152	.130	.155	.108	.100	.000	.000
ELEVATION	1393.222	1396.220	1397.217	1400.152	1403.130	1406.155	1411.108	1414.100	1416.000	1421.000
VEL-N	.000	.849	.484	.766	.696	.638	.676	.437	.000	.000
VEL-E	.000	-1.529	-1.383	-1.449	-.988	-1.199	-.779	-.567	.000	.000
VEL-S	-.849	-.484	-.766	-.696	-.638	-.676	-.437	.000	.000	.000
VEL-W	1.289	1.284	1.282	1.261	.975	1.094	.838	.619	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.229	.392	.610	.377	.100	.100	.100	.100	.000	.000
ELEVATION	1350.229	1344.392	1343.610	1343.377	1337.100	1337.100	1338.100	1337.100	1336.000	1335.000
VEL-N	1.699	.741	.406	1.294	.000	.000	.000	.000	.000	.000
VEL-E	-.898	-1.464	-1.348	-1.162	-1.511	-1.510	-1.845	-1.992	.000	.000
VEL-S	-1.060	-1.699	-.741	-.406	-1.294	.000	.000	.000	.000	.000
VEL-W	.000	1.992	1.845	1.510	.000	.000	.000	.000	.000	.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.099	.101	.167	.161	.198	.226	.250	.292
ELEVATION	1413.000	1412.000	1408.099	1403.101	1398.167	1395.161	1392.198	1390.226	1387.250	1384.292
VEL-N	.000	.000	.646	.000	.699	.684	.641	.751	.713	.629
VEL-E	.000	.000	-.619	-.838	-1.094	-.975	-1.261	-1.282	-1.284	-1.289
VEL-S	.000	.000	.000	-.646	.000	-.699	-.684	-.641	-.751	-.713

VEL-W	.000	.000	1.066	.000	.833	.978	1.055	1.230	1.306	1.371

NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.100	.099	.100	.000	1.683	.100	.100	.159	.182
ELEVATION	1409.000	1400.100	1394.099	1389.099	1392.000	1377.683	1378.100	1381.100	1369.159	1373.182
VEL-N	.000	.000	.000	.000	.000	.000	.164	.390	.268	.644
VEL-E	.000	.000	-.549	.000	.000	.000	.000	.468	-.675	-.634
VEL-S	.000	.000	.000	.000	.000	-.164	-.390	-.629	-.644	-.671
VEL-W	.000	.549	.000	.000	.000	-.468	.675	.634	.810	.944

NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.387	.337	.248	.217	.244	.143	.100	.101	.099	.099
ELEVATION	1375.387	1377.337	1382.248	1385.217	1387.244	1392.143	1395.099	1398.101	1392.099	1389.099
VEL-N	.671	.706	.914	.650	.559	.630	.388	.000	.000	.000
VEL-E	-1.371	-1.306	-1.230	-1.055	-.978	-.833	.000	-1.066	.000	-.618
VEL-S	-.706	-.914	-.650	-.559	-.630	-.388	.000	.000	.000	.000
VEL-W	1.418	1.285	1.032	1.062	.787	.680	.618	.000	.000	.000

NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.100	.141	.275	.206	.253	.344	.261	.194	1.479	1.082
ELEVATION	1385.100	1382.141	1377.275	1375.206	1371.254	1368.344	1365.261	1362.194	1359.479	1357.082
VEL-N	.388	.624	.582	.816	.803	.827	.681	.576	1.907	1.270
VEL-E	-.680	-.787	-1.062	-1.032	-1.285	-1.418	-.944	-.810	-3.899	-2.524
VEL-S	.000	-.388	-.624	-.582	-.816	-.803	-.827	-.681	-.576	-1.907
VEL-W	.761	.848	.958	1.149	1.521	1.532	1.195	1.034	2.712	2.799

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.894	.000	.100	1.613	.794	.284	.406	.444	.266	.280
ELEVATION	1355.894	1341.000	1345.100	1350.613	1353.794	1355.284	1357.406	1359.444	1363.266	1365.280
VEL-N	.000	.000	.000	2.210	1.597	.620	.843	.844	.951	.702
VEL-E	.000	.000	-2.420	-2.799	-2.712	-1.034	-1.195	-1.532	-1.521	-1.149
VEL-S	-1.270	.000	-2.210	-1.597	-.620	-.843	-.844	-.951	-.702	-.801
VEL-W	2.420	.000	.000	2.747	2.486	1.241	1.206	1.258	1.366	.918

OUTFLOW RATE AT CRITICAL-DEPTH NODES:

NODE	OUTFLOW RATE(CFS)
200	.00

CHANNEL RESULTS

OUTFLOW RATE AT NODE 200 IS EQUAL TO 2656.43

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	4.507	3.489	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1333.507	1331.489	.000	.000	.000	.000	.000	.000	.000	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.000	.000	5.182	6.169	5.028	5.480	.000	.000
ELEVATION	.000	.000	.000	.000	1336.182	1337.169	1335.028	1334.479	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.000	.000	.000	.000	3.520	3.452	2.294	2.536	2.607	1.347
ELEVATION	.000	.000	.000	.000	1331.520	1331.452	1331.294	1330.536	1329.607	1327.347

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	6.042	5.853	.000	.000	.000	.000	.000	.000	.000
ELEVATION	.000	1338.042	1337.853	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 9.50 MAX. TIMESTEP(SEC.) = 10.50 MEAN TIMESTEP(SEC.) = 9.97

==========

MAXIMUM WATER SURFACE VALUES FOR FLOOD PLAIN

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.022	.118	.250	.982	.000	.000	.000	.745	1.398
TIME	5.000	5.000	1.171	1.329	1.404	5.000	5.000	5.000	5.000	5.000
NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.194	.310	1.245	.179	.110	.000	.000
TIME	5.000	5.000	5.000	1.354	1.487	1.429	1.471	1.346	5.000	5.000
NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.043	.105	.357	.988	.511	.167	.027	.000	.000
TIME	5.000	5.000	2.062	1.479	1.446	1.537	1.562	5.000	5.000	5.000
NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.172	.922	1.120	.355	.104	.000	.000
TIME	5.000	5.000	5.000	1.837	1.554	1.471	1.554	2.804	5.000	5.000
NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.304	.665	.712	1.136	.211	.000	.000	.000
TIME	5.000	5.000	1.654	1.587	1.512	1.587	2.638	5.000	5.000	5.000
NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.000	.000	1.447	2.143	.279	.387	.000	.000
TIME	5.000	5.000	5.000	5.000	1.637	1.621	1.629	1.696	5.000	5.000
NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.098	.190	.431	.706	1.472	.000	.000	.000
TIME	5.000	5.000	5.000	1.546	1.729	1.662	1.646	5.000	5.000	5.000
NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.356	.274	.152	.102	.083	.147	.000	.000
TIME	5.000	5.000	3.171	3.355	3.564	3.954	5.000	4.256	5.000	5.000
NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.271	.441	.670	.817	1.125	.130	.103	.068	.000
TIME	5.000	1.687	1.446	1.054	1.121	1.562	1.729	2.079	5.000	5.000
NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.103	.211	.443	1.054	1.213	.633	.269	.326	1.160
TIME	5.000	2.104	2.163	1.762	1.337	1.721	1.196	1.571	1.854	3.785
NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.000	.000	.202	.274	.351	.714	.889	1.057	.000	.000
TIME	5.000	5.000	3.862	3.679	3.204	3.188	2.638	2.704	5.000	5.000
NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.126	.201	.194	1.098	.592	1.074	.699	.310	.167	.000
TIME	3.829	2.104	2.179	1.854	1.354	1.412	1.496	2.079	2.388	5.000
NODE	121	122	123	124	125	126	127	128	129	130

DEPTH	.103	.281	.515	.969	1.118	.600	.641	.690	.142	.101
TIME	2.613	2.363	1.671	1.579	1.504	1.529	1.496	2.463	2.379	4.145
NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.960	1.083	.100	.000	.000	.100	.000	.000
TIME	5.000	5.000	2.813	5.000	5.000	5.000	5.000	5.000	5.000	5.000
NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.020	.108	.473	.459	.725	.998	1.140	.837	.432	.103
TIME	5.000	2.788	2.071	1.646	1.696	1.629	1.679	1.754	2.379	3.221
NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.057	.594	1.062	1.023	.713	.419	.523	.384	.101	.000
TIME	5.000	2.379	1.837	1.771	1.812	1.846	2.263	2.271	3.690	5.000
NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.000	.988	.982	.787	.395	.319	.149	.154	.160	.200
TIME	5.000	2.921	2.813	2.788	3.479	3.570	3.962	4.042	4.657	4.557
NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.033	.284	.459	.390	.415	.648	1.066	.876	.254
TIME	5.000	5.000	2.554	2.529	2.012	1.946	1.837	1.896	1.979	2.238
NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.697	1.077	1.147	.580	.404	.381	.252	.175	.000	.000
TIME	2.179	2.054	1.979	1.971	2.163	2.463	2.688	2.896	5.000	5.000
NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.254	.502	.855	.636	.100	.100	.100	.100	.000	.000
TIME	4.359	3.941	3.581	3.342	5.000	5.000	5.000	5.000	5.000	5.000
NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.103	.185	.383	.410	.583	.954	1.211	1.008
TIME	5.000	5.000	3.221	2.821	2.679	2.429	2.188	2.079	2.146	2.246
NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.241	.108	.101	.000	1.683	.113	.331	.286	.600
TIME	5.000	3.013	3.063	3.770	5.000	5.000	3.946	2.371	2.729	2.438
NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	1.257	1.234	.706	.505	.489	.274	.165	.102	.099	.103
TIME	2.329	2.238	2.263	2.529	2.804	3.013	3.279	3.658	5.000	3.443
NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.183	.292	.554	.463	.866	1.236	.883	.418	1.479	1.082
TIME	3.163	3.013	2.954	2.513	2.338	2.413	2.521	2.729	5.000	5.000
NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.894	.000	.100	1.613	.794	.762	1.210	1.314	.657	.555
TIME	5.000	5.000	5.000	5.000	5.000	2.729	2.613	2.513	2.471	3.071

MAXIMUM WATER SURFACE VALUES FOR CHANNEL

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	4.507	4.683	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.000	3.764	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000

NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.000	.000	5.185	6.169	5.028	5.480	.000	.000
TIME	5.000	5.000	5.000	5.000	4.998	5.000	5.000	5.000	5.000	5.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000
NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000
NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.000	.000	.000	.000	4.812	4.359	3.048	3.224	3.191	1.747
TIME	5.000	5.000	5.000	5.000	3.770	3.770	3.999	4.027	4.049	4.076
NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000
NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000
NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000
NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000
NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	6.042	6.074	.000	.000	.000	.000	.000	.000	.000
TIME	5.000	5.000	4.998	5.000	5.000	5.000	5.000	5.000	5.000	5.000

*** DIFFUSION ROUTING ***

MIN. TIMESTEP(SEC.) = .50
MAX. TIMESTEP(SEC.) = 30.00
INCREASED TIMESTEP INTERVAL (SEC.) = .50
DECREASED TIMESTEP INTERVAL (SEC.) = .50
TOTAL SIMULATION(HOUR) = 8.00
UPDATE INTERVAL(TIMESTEPS) = 1
OUTPUT INTERVAL(HOUR) = .25
NUMBER OF NODAL POINTS FOR FLOOD PLAIN = 250
UNIFORM GRID SIDE(FEET) = 1000.000
NUMBER OF NODAL POINTS FOR CHANNEL = 14
RETENTION WATER DEPTH(FEET) = .1000
TOLERANCE OF CHANGE IN WATER DEPTH(FEET) = .5000
PERCENTAGE OF CHANGE IN WATER DEPTH = 10.0 %

BREACH LOCATION C
8 HOUR SIMULATION

COMPARE TO 5 HOUR SIMULATION - NEGLIGIBLE DIFFERENCES

SHDGRHC8.OUT : FILE NAME

INPUT AND SUMMARY TABLES ONLY HEREIN
FULL COPY ON DISK.

NODAL POINT DATA ENTRY:

*** FLOOD PLAIN INFORMATION ***
NC = CENTRAL GRID NODE
NN,NE,NS,NW = NORTH, EAST, SOUTH, WEST NODAL POINTS
NBAR = NODAL POINT MANNINGS ROUGHNESS COEFFICIENT
(NEGATIVE SIGN INDICATES A CHANNEL PASSING THROUGH)
ELEV = NODAL POINT ELEVATION
DEPTH = INITIAL WATER DEPTH AT NODE

NC	NN	NE	NS	NW	NBAR	ELEV.	DEPTH
1	0	0	2	20	.0250	1565.0	.0
2	1	0	3	19	.0250	1565.0	.0
3	2	0	4	18	.0250	1565.0	.0
4	3	0	5	17	.0250	1566.0	.0
5	4	0	6	16	.0250	1566.0	.0
6	5	0	7	15	.0350	1568.0	.0
7	6	0	8	14	.0250	1568.0	.0
8	7	0	0	13	.0250	1568.0	.0
9	0	0	10	240	.0450	1365.0	.0
10	9	216	219	239	.0450	1367.0	.0
11	0	138	195	0	-.0350	1338.0	.0
12	0	195	196	0	-.0350	1337.0	.0
13	14	8	12	28	.0250	1545.0	.0
14	15	7	13	27	.0350	1541.0	.0
15	16	6	14	26	.0350	1543.0	.0
16	17	5	15	25	.0250	1543.0	.0
17	18	4	16	24	.0250	1548.0	.0
18	19	3	17	23	.0250	1549.0	.0
19	20	2	18	22	.0350	1550.0	.0
20	0	1	19	21	.0250	1550.0	.0
21	0	20	22	40	.0250	1530.0	.0
22	21	19	23	39	.0250	1532.0	.0
23	22	18	24	38	.0250	1534.0	.0
24	23	17	25	37	.0250	1531.0	.0
25	24	16	26	36	.0250	1531.0	.0
26	25	15	27	35	.0250	1530.0	.0
27	26	14	28	34	.0350	1531.0	.0
28	27	13	29	33	.0450	1531.0	.0
29	28	0	30	32	.0450	1533.0	.0

30	29	0	0	31	.0450	1534.0	.0
31	32	30	0	50	.0450	1522.0	.0
32	33	29	31	49	.0350	1521.0	.0
33	34	28	32	48	.0450	1519.0	.0
34	35	27	33	47	.0350	1517.0	.0
35	36	26	34	46	.0250	1516.0	.0
36	37	25	35	45	.0350	1517.0	.0
37	38	24	36	44	.0250	1518.0	.0
38	39	23	37	43	.0250	1520.0	.0
39	40	22	38	42	.0250	1521.0	.0
40	0	21	39	41	.0250	1518.0	.0
41	0	40	42	60	.0250	1503.0	.0
42	41	39	43	59	.0250	1504.0	.0
43	42	38	44	58	.0250	1500.0	.0
44	43	37	45	57	.0350	1503.0	.0
45	44	36	46	56	.0350	1505.0	.0
46	45	35	47	55	.0450	1504.0	.0
47	46	34	48	54	.0450	1506.0	.0
48	47	33	49	53	.0250	1507.0	.0
49	48	32	50	52	.0350	1509.0	.0
50	49	31	0	51	.0350	1510.0	.0
51	52	50	0	72	.0350	1497.0	.0
52	53	49	51	71	.0350	1497.0	.0
53	54	48	52	70	.0200	1650.0	.0
54	55	47	53	69	.0200	1600.0	.0
55	56	46	54	68	.0350	1494.0	.0
56	57	45	55	67	.0450	1489.0	.0
57	58	44	56	66	.0350	1493.0	.0
58	59	43	57	65	.0250	1489.0	.0
59	60	42	58	64	.0250	1493.0	.0
60	0	41	59	63	.0250	1492.0	.0
61	0	0	62	90	.0250	1476.0	.0
62	61	0	63	89	.0250	1476.0	.0
63	62	60	64	88	.0250	1478.0	.0
64	63	59	65	87	.0250	1478.0	.0
65	64	58	66	86	.0250	1479.0	.0
66	65	57	67	85	.0250	1480.0	.0
67	66	56	68	84	.0450	1483.0	.0
68	67	55	69	83	.0250	1540.0	.0
69	68	54	70	82	.0200	1600.0	.0
70	69	53	71	81	.0450	1482.0	.0
71	70	52	72	80	.0450	1483.0	.0
72	71	51	0	79	.0450	1484.0	.0
73	250	233	74	104	.0450	1371.0	.0
74	73	232	75	103	.0450	1373.0	.0
75	74	231	76	78	.0350	1376.0	.0
76	75	230	0	77	.0250	1379.0	.0
77	78	76	0	0	.0250	1372.0	.0
78	103	75	77	0	.0350	1370.0	.0
79	80	72	0	102	.0350	1476.0	.0
80	81	71	79	101	.0350	1475.0	.0
81	82	70	80	100	.0450	1473.0	.0
82	83	69	81	99	.0450	1467.0	.0
83	84	68	82	98	.0450	1470.0	.0
84	85	67	83	97	.0350	1473.0	.0
85	86	66	84	96	.0350	1469.0	.0
86	87	65	85	95	.0250	1464.0	.0
87	88	64	86	94	.0250	1466.0	.0
88	89	63	87	93	.0250	1462.0	.0
89	90	62	88	92	.0250	1461.0	.0

90	0	61	89	91	.0350	1462.0	.0
91	0	90	92	120	.0350	1453.0	.0
92	91	89	93	119	.0250	1450.0	.0
93	92	88	94	118	.0350	1452.0	.0
94	93	87	95	117	.0350	1455.0	.0
95	94	86	96	116	.0450	1458.0	.0
96	95	85	97	115	.0350	1458.0	.0
97	96	84	98	114	.0350	1460.0	.0
98	97	83	99	113	.0450	1462.0	.0
99	98	82	100	112	.0450	1459.0	.0
100	99	81	101	111	.0450	1453.0	.0
101	100	80	102	110	.0450	1456.0	.0
102	101	79	0	109	.0250	1459.0	.0
103	104	74	78	168	.0350	1367.0	.0
104	105	73	103	167	.0450	1364.0	.0
105	106	250	104	166	.0450	1360.0	.0
106	107	249	105	165	.0450	1355.0	.0
107	108	248	106	164	.0450	1354.0	.0
108	133	247	107	163	.0450	1352.0	.0
109	110	102	0	132	.0350	1463.0	.0
110	111	101	109	131	.0450	1458.0	.0
111	112	100	110	130	.0450	1454.0	.0
112	113	99	111	129	.0450	1452.0	.0
113	114	98	112	128	.0450	1451.0	.0
114	115	97	113	127	.0450	1450.0	.0
115	116	96	114	126	.0450	1452.0	.0
116	117	95	115	125	.0350	1448.0	.0
117	118	94	116	124	.0350	1445.0	.0
118	119	93	117	123	.0350	1442.0	.0
119	120	92	118	122	.0250	1440.0	.0
120	0	91	119	121	.0250	1441.0	.0
121	0	120	122	150	.0250	1430.0	.0
122	121	119	123	149	.0250	1430.0	.0
123	122	118	124	148	.0250	1432.0	.0
124	123	117	125	147	.0350	1434.0	.0
125	124	116	126	146	.0450	1436.0	.0
126	125	115	127	145	.0450	1440.0	.0
127	126	114	128	144	.0450	1442.0	.0
128	127	113	129	143	.0450	1438.0	.0
129	128	112	130	142	.0250	1443.0	.0
130	129	111	131	141	.0450	1447.0	.0
131	130	110	132	140	.0350	1451.0	.0
132	131	109	0	139	.0450	1456.0	.0
133	134	246	108	162	.0450	1349.0	.0
134	135	245	133	138	.0450	1345.0	.0
135	136	244	134	137	-.0450	1342.0	.0
136	0	243	135	0	-.0350	1340.0	.0
137	0	135	138	0	-.0350	1339.0	.0
138	137	134	162	11	-.0350	1338.0	.0
139	140	132	0	0	.0350	1447.0	.0
140	141	131	139	161	.0350	1444.0	.0
141	142	130	140	160	.0350	1442.0	.0
142	143	129	141	159	.0450	1437.0	.0
143	144	128	142	158	.0450	1433.0	.0
144	145	127	143	157	.0350	1432.0	.0
145	146	126	144	156	.0450	1428.0	.0
146	147	125	145	155	.0450	1426.0	.0
147	148	124	146	154	.0450	1424.0	.0
148	149	123	147	153	.0350	1422.0	.0
149	150	122	148	152	.0250	1421.0	.0

150	0	121	149	151	.0250	1422.0	.0
151	211	150	152	180	.0350	1413.0	.0
152	151	149	153	179	.0350	1412.0	.0
153	152	148	154	178	.0350	1413.0	.0
154	153	147	155	177	.0450	1416.0	.0
155	154	146	156	176	.0350	1420.0	.0
156	155	145	157	175	.0350	1423.0	.0
157	156	144	158	174	.0450	1424.0	.0
158	157	143	159	173	.0350	1426.0	.0
159	158	142	160	172	.0350	1432.0	.0
160	159	141	161	171	.0350	1435.0	.0
161	160	140	0	0	.0450	1437.0	.0
162	138	133	163	195	.0350	1344.0	.0
163	162	108	164	194	.0350	1346.0	.0
164	163	107	165	193	.0350	1347.0	.0
165	164	106	166	192	.0350	1350.0	.0
166	165	105	167	191	.0350	1353.0	.0
167	166	104	168	170	.0250	1358.0	.0
168	167	103	0	169	.0450	1360.0	.0
169	170	168	0	0	.0250	1354.0	.0
170	191	167	169	0	.0250	1353.0	.0
171	172	160	0	190	.0450	1427.0	.0
172	173	159	171	189	.0450	1422.0	.0
173	174	158	172	188	.0450	1420.0	.0
174	175	157	173	187	.0450	1417.0	.0
175	176	156	174	186	.0250	1415.0	.0
176	177	155	175	185	.0350	1414.0	.0
177	178	154	176	184	.0250	1409.0	.0
178	179	153	177	183	.0250	1406.0	.0
179	180	152	178	182	.0250	1404.0	.0
180	212	151	179	181	.0350	1403.0	.0
181	213	180	182	210	.0350	1393.0	.0
182	181	179	183	209	.0350	1396.0	.0
183	182	178	184	208	.0350	1397.0	.0
184	183	177	185	207	.0250	1400.0	.0
185	184	176	186	206	.0350	1403.0	.0
186	185	175	187	205	.0350	1406.0	.0
187	186	174	188	204	.0350	1411.0	.0
188	187	173	189	203	.0450	1414.0	.0
189	188	172	190	202	.0450	1416.0	.0
190	189	171	0	201	.0450	1421.0	.0
191	192	166	170	0	.0250	1350.0	.0
192	193	165	191	198	.0250	1344.0	.0
193	194	164	192	197	.0350	1343.0	.0
194	195	163	193	196	.0350	1343.0	.0
195	0	162	194	12	-.0350	1337.0	.0
196	12	194	197	0	-.0250	1337.0	.0
197	196	193	198	0	-.0250	1338.0	.0
198	197	192	0	199	-.0250	1337.0	.0
199	0	198	200	0	-.0250	1336.0	.0
200	199	0	0	0	-.0250	1335.0	.0
201	202	190	0	0	.0350	1413.0	.0
202	203	189	201	0	.0250	1412.0	.0
203	204	188	202	228	.0350	1408.0	.0
204	205	187	203	227	.0350	1403.0	.0
205	206	186	204	226	.0350	1398.0	.0
206	207	185	205	225	.0350	1395.0	.0
207	208	184	206	224	.0350	1392.0	.0
208	209	183	207	223	.0350	1390.0	.0
209	210	182	208	222	.0450	1387.0	.0

210	218	181	209	221	.0450	1384.0	.0
211	0	0	151	212	.0450	1409.0	.0
212	0	211	180	213	.0450	1400.0	.0
213	214	212	181	218	.0450	1394.0	.0
214	215	0	213	217	.0350	1389.0	.0
215	0	0	214	216	.0350	1392.0	.0
216	0	215	217	218	.0350	1376.0	.0
217	216	214	218	219	.0450	1378.0	.0
218	217	216	210	220	.0450	1381.0	.0
219	10	217	220	238	.0450	1369.0	.0
220	219	218	221	237	.0450	1373.0	.0
221	220	210	222	236	.0450	1375.0	.0
222	221	209	223	235	.0450	1377.0	.0
223	222	208	224	234	.0450	1382.0	.0
224	223	207	225	233	.0450	1385.0	.0
225	224	206	226	232	.0450	1387.0	.0
226	225	205	227	231	.0450	1392.0	.0
227	226	204	228	230	.0450	1395.0	.0
228	227	203	0	229	.0250	1398.0	.0
229	230	228	0	0	.0250	1392.0	.0
230	231	227	229	76	.0350	1389.0	.0
231	232	226	230	75	.0450	1385.0	.0
232	233	225	231	74	.0450	1382.0	.0
233	234	224	232	73	.0450	1377.0	.0
234	235	223	233	250	.0450	1375.0	.0
235	236	222	234	249	.0350	1371.0	.0
236	237	221	235	248	.0450	1368.0	.0
237	238	220	236	247	.0450	1365.0	.0
238	239	219	237	246	.0450	1362.0	.0
239	240	10	238	245	.0450	1358.0	.0
240	241	9	239	244	.0450	1356.0	.0
241	0	0	240	243	.0350	1355.0	.0
242	0	0	243	0	-.0450	1341.0	.0
243	242	241	244	136	-.0450	1345.0	.0
244	243	240	245	135	.0450	1349.0	.0
245	244	239	246	134	.0450	1353.0	.0
246	245	238	247	133	.0350	1355.0	.0
247	246	237	248	108	.0450	1357.0	.0
248	247	236	249	107	.0450	1359.0	.0
249	248	235	250	106	.0350	1363.0	.0
250	249	234	73	105	.0450	1365.0	.0

INFLOW HYDROGRAPH AT NODE # 5

HOUR	CFS
.0	0.
.5	3600.
1.0	9000.
1.4	9420.
1.5	9300.
2.0	7700.
2.5	6200.
3.0	3400.
3.5	800.
3.8	0.

FOLLOWING THIS POINT, NORMAL DHM OUTPUT OMITTED UNTIL SUMMARY TABLE

NUMBER OF CRITICAL-DEPTH OUTFLOW NODES = 1

CRITICAL-DEPTH OUTFLOW NODE NUMBERS:

200 .00 SEE NOTE PREVIOUS PAGE

CHANNEL RESULTS

OUTFLOW RATE AT NODE 200 IS EQUAL TO 100.32

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	4.916	1.272	.000	.000	.000	.000	.000	.000	.000	.000
ELEVATION	1333.916	1329.272	.000	.000	.000	.000	.000	.000	.000	.000

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.000	.000	5.405	6.481	5.253	5.701	.000	.000
ELEVATION	.000	.000	.000	.000	1336.405	1337.481	1335.253	1334.701	.000	.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.000	.000	.000	.000	1.279	1.262	.247	.274	.469	.152
ELEVATION	.000	.000	.000	.000	1329.279	1329.262	1329.247	1328.274	1327.469	1326.152

NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	6.404	6.194	.000	.000	.000	.000	.000	.000	.000
ELEVATION	.000	1338.404	1338.194	.000	.000	.000	.000	.000	.000	.000

MIN. TIMESTEP(SEC.) = 9.00 MAX. TIMESTEP(SEC.) = 9.50 MEAN TIMESTEP(SEC.) = 9.25

MAXIMUM WATER SURFACE VALUES FOR FLOOD PLAIN

NODE	1	2	3	4	5	6	7	8	9	10
DEPTH	.000	.022	.118	.250	.982	.000	.000	.000	.789	1.459
TIME	8.000	8.000	1.171	1.329	1.404	8.000	8.000	8.000	5.840	5.683

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	.000	.000	.000	.194	.310	1.245	.179	.110	.000	.000
TIME	8.000	8.000	8.000	1.354	1.487	1.429	1.471	1.346	8.000	8.000

NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.043	.105	.357	.988	.511	.167	.027	.000	.000
TIME	8.000	8.000	2.062	1.479	1.446	1.537	1.562	8.000	8.000	8.000

NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.172	.922	1.120	.355	.104	.000	.000
TIME	8.000	8.000	8.000	1.837	1.554	1.471	1.554	2.804	8.000	8.000

NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.304	.665	.712	1.136	.211	.000	.000	.000
TIME	8.000	8.000	1.654	1.587	1.512	1.587	2.638	8.000	8.000	8.000

NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.000	.000	1.447	2.143	.279	.387	.000	.000
TIME	8.000	8.000	8.000	8.000	1.637	1.621	1.629	1.696	8.000	8.000

NODE	61	62	63	64	65	66	67	68	69	70

DEPTH	.000	.000	.098	.190	.431	.706	1.472	.000	.000	.000
TIME	8.000	8.000	8.000	1.546	1.729	1.662	1.646	8.000	8.000	8.000

NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.356	.274	.152	.102	.097	.147	.000	.000
TIME	8.000	8.000	3.171	3.355	3.564	3.954	8.000	4.256	8.000	8.000

NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.271	.441	.670	.817	1.125	.130	.103	.068	.000
TIME	8.000	1.687	1.446	1.054	1.121	1.562	1.729	2.079	8.000	8.000

NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.103	.211	.443	1.054	1.213	.633	.269	.326	1.160
TIME	8.000	2.104	2.163	1.762	1.337	1.721	1.196	1.571	1.854	3.785

NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.000	.000	.202	.274	.351	.714	.889	1.057	.000	.000
TIME	8.000	8.000	3.862	3.679	3.204	3.188	2.638	2.704	8.000	8.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.126	.201	.194	1.098	.592	1.074	.699	.310	.167	.000
TIME	3.829	2.104	2.179	1.854	1.354	1.412	1.496	2.079	2.388	8.000

NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.103	.281	.515	.969	1.118	.600	.641	.690	.142	.101
TIME	2.613	2.363	1.671	1.579	1.504	1.529	1.496	2.463	2.379	4.145

NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.960	1.084	.100	.000	.000	.100	.000	.000
TIME	8.000	8.000	2.813	5.114	8.000	8.000	8.000	8.000	8.000	8.000

NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.020	.108	.473	.459	.725	.998	1.140	.837	.432	.103
TIME	8.000	2.788	2.071	1.646	1.696	1.629	1.679	1.754	2.379	3.221

NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.057	.594	1.062	1.023	.713	.419	.523	.384	.101	.000
TIME	8.000	2.379	1.837	1.771	1.812	1.846	2.263	2.271	3.690	8.000

NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.000	.988	.982	.787	.395	.319	.149	.154	.160	.200
TIME	8.000	2.921	2.813	2.788	3.479	3.570	3.962	4.042	4.657	4.557

NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.033	.284	.459	.390	.415	.648	1.066	.876	.254
TIME	8.000	8.000	2.554	2.529	2.012	1.946	1.837	1.896	1.979	2.238

NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.697	1.077	1.147	.580	.404	.381	.252	.175	.000	.000
TIME	2.179	2.054	1.979	1.971	2.163	2.463	2.688	2.896	8.000	8.000

NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.254	.502	.855	.636	.100	.100	.100	.100	.000	.000
TIME	4.359	3.941	3.581	3.342	8.000	8.000	8.000	8.000	8.000	8.000

NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.103	.185	.383	.410	.583	.954	1.211	1.008
TIME	8.000	8.000	3.221	2.821	2.679	2.429	2.188	2.079	2.146	2.246

NODE	211	212	213	214	215	216	217	218	219	220

DEPTH	.000	.241	.108	.101	.000	1.758	.113	.331	.286	.600
TIME	8.000	3.013	3.063	3.770	8.000	8.000	3.946	2.371	2.729	2.438
NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	1.257	1.234	.706	.505	.489	.274	.165	.102	.101	.103
TIME	2.329	2.238	2.263	2.529	2.804	3.013	3.279	3.658	5.138	3.443
NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.183	.292	.554	.463	.866	1.236	.883	.418	1.538	1.141
TIME	3.163	3.013	2.954	2.513	2.338	2.413	2.521	2.729	5.709	5.791
NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.982	.000	.100	1.691	.812	.762	1.210	1.314	.657	.555
TIME	7.998	8.000	8.000	5.816	5.709	2.729	2.613	2.513	2.471	3.071

==========

MAXIMUM WATER SURFACE VALUES FOR CHANNEL

NODE	11	12	13	14	15	16	17	18	19	20
DEPTH	4.916	4.683	.000	.000	.000	.000	.000	.000	.000	.000
TIME	8.000	3.764	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
NODE	21	22	23	24	25	26	27	28	29	30
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
NODE	31	32	33	34	35	36	37	38	39	40
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
NODE	41	42	43	44	45	46	47	48	49	50
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
NODE	51	52	53	54	55	56	57	58	59	60
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
NODE	61	62	63	64	65	66	67	68	69	70
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
NODE	71	72	73	74	75	76	77	78	79	80
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
NODE	81	82	83	84	85	86	87	88	89	90
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
NODE	91	92	93	94	95	96	97	98	99	100
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
NODE	101	102	103	104	105	106	107	108	109	110
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000

NODE	111	112	113	114	115	116	117	118	119	120
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
NODE	121	122	123	124	125	126	127	128	129	130
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
NODE	131	132	133	134	135	136	137	138	139	140
DEPTH	.000	.000	.000	.000	5.428	6.503	5.253	5.701	.000	.000
TIME	8.000	8.000	8.000	8.000	5.870	5.904	8.000	8.000	8.000	8.000
NODE	141	142	143	144	145	146	147	148	149	150
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
NODE	151	152	153	154	155	156	157	158	159	160
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
NODE	161	162	163	164	165	166	167	168	169	170
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
NODE	171	172	173	174	175	176	177	178	179	180
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
NODE	181	182	183	184	185	186	187	188	189	190
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
NODE	191	192	193	194	195	196	197	198	199	200
DEPTH	.000	.000	.000	.000	4.812	4.359	3.048	3.224	3.191	1.747
TIME	8.000	8.000	8.000	8.000	3.770	3.770	3.999	4.027	4.049	4.076
NODE	201	202	203	204	205	206	207	208	209	210
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
NODE	211	212	213	214	215	216	217	218	219	220
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
NODE	221	222	223	224	225	226	227	228	229	230
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
NODE	231	232	233	234	235	236	237	238	239	240
DEPTH	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TIME	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000	8.000
NODE	241	242	243	244	245	246	247	248	249	250
DEPTH	.000	6.428	6.461	.000	.000	.000	.000	.000	.000	.000
TIME	8.000	5.919	5.917	8.000	8.000	8.000	8.000	8.000	8.000	8.000