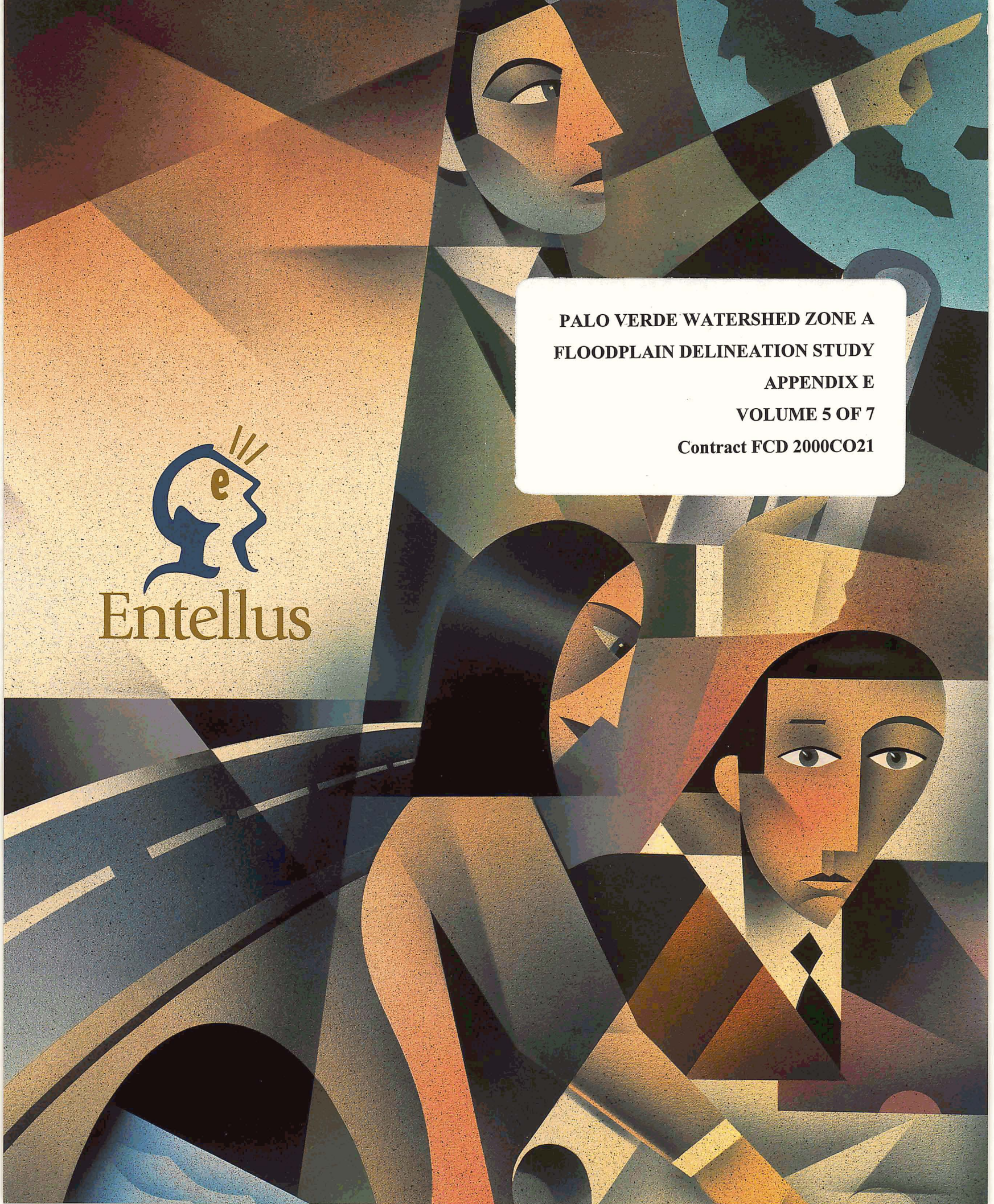

PALO VERDE WATERSHED ZONE A

FLOODPLAIN DELINEATION STUDY

APPENDIX E

VOLUME 5 OF 7

Contract FCD 2000CO21

Entellus

PALO VERDE WATERSHED ZONE A

FLOODPLAIN DELINEATION STUDY

TECHNICAL DATA NOTEBOOK

Contract FCD 2000CO21

Volume 5 of 7

MAY 30 2003

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Environmental *Solutions*

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PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY

FCD 2000CO21

TECHNICAL DATA NOTEBOOK

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Area B Washes

T1S-R6W-S29E
T2N-R6W-S05W
T2N-R6W-S18W
T2N-R6W-S19
T3N-R6W-S14W
T3N-R6W-S15N
T3N-R6W-S15S
T3N-R6W-S16E
T3N-R6W-S16S
T3N-R6W-S16W
T3N-R6W-S18W
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T3N-R6W-S20
T3N-R6W-S21
T3N-R7W-S05
T3N-R7W-S09E
T3N-R7W-S09W
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T3N-R7W-S26
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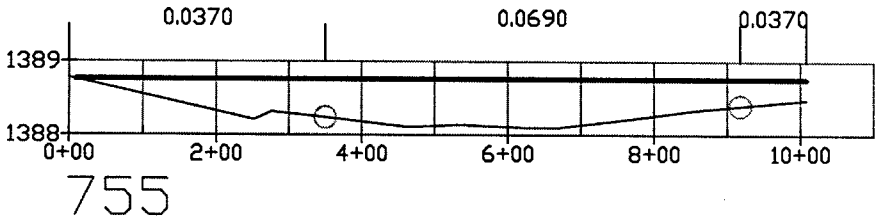
T4N-R7W-S30
T4N-R7W-S32
T4N-R7W-S33N

T1S-R6W-S29E



Normal Depth Results

Cross-Section:	755	
Elevation:	1388.76	ft MSL
Depth:	0.66	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0201	ft/ft
Froude Number:	0.4865	
Flow Regime:	Subcritical	
Flow Area:	468.01	sq ft
Average Velocity:	2.30	ft/s
Maximum Velocity:	2.76	ft/s
Composite n:	0.0563	
Hydraulic Radius:	0.47	ft
Wetted Perimeter:	999.49	ft
Wetted Top Width:	999.49	ft
Critical Slope:	0.0835	ft/ft

NOT USED IN DELINEATION

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T1S–R6W–S29E–755

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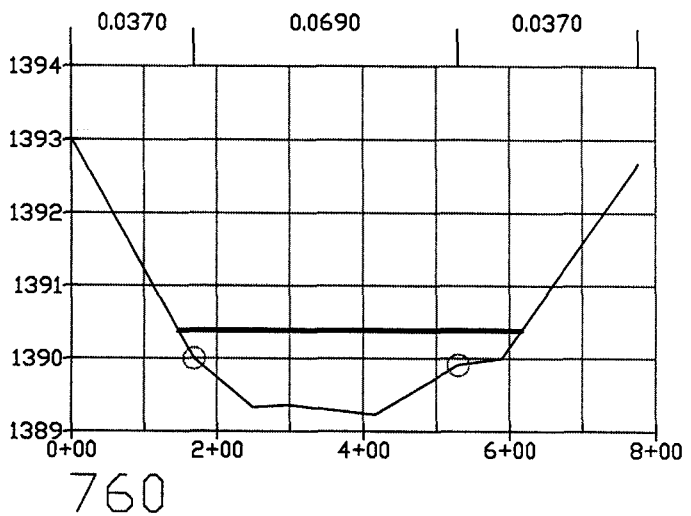


Normal Depth Results

Cross-Section:	760	
Elevation:	1390.39	ft MSL
Depth:	1.16	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0201	ft/ft
Froude Number:	0.4721	
Flow Regime:	Subcritical	
Flow Area:	364.74	sq ft
Average Velocity:	2.87	ft/s
Maximum Velocity:	2.88	ft/s
Composite n:	0.0624	
Hydraulic Radius:	0.78	ft
Wetted Perimeter:	468.58	ft
Wetted Top Width:	468.57	ft
Critical Slope:	0.091	ft/ft

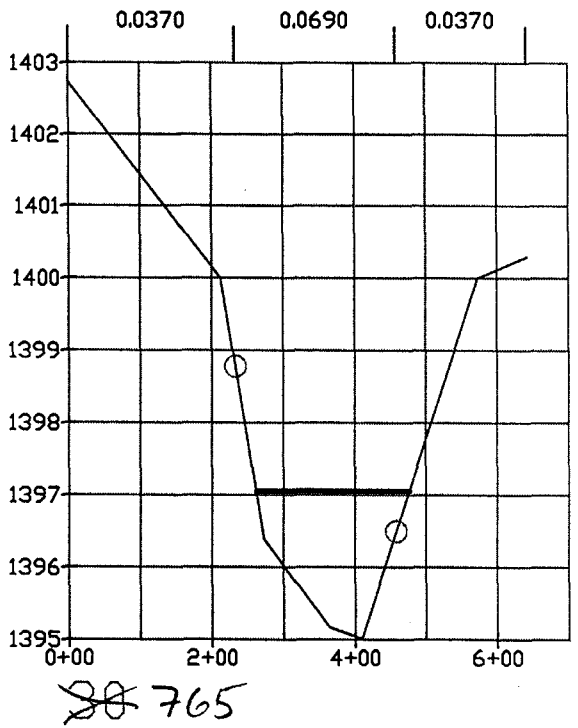
NOT USED IN DELINEATION

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T1S–R6W–S29E–760

Entellus™

File: T1S-R6W-S29E-New-Mapping.dwg Date: 5/16/02



Normal Depth Results

Cross-Section:	~~30~~ 765	
Elevation:	1397.06	ft MSL
Depth:	2.05	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0201	ft/ft
Froude Number:	0.4637	
Flow Regime:	Subcritical	
Flow Area:	278.93	sq ft
Average Velocity:	3.79	ft/s
Maximum Velocity:	3.81	ft/s
Composite n:	0.0666	
Hydraulic Radius:	1.3	ft
Wetted Perimeter:	215.11	ft
Wetted Top Width:	215.05	ft
Critical Slope:	0.0931	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T1S–R6W–S29E–~~30~~ 765

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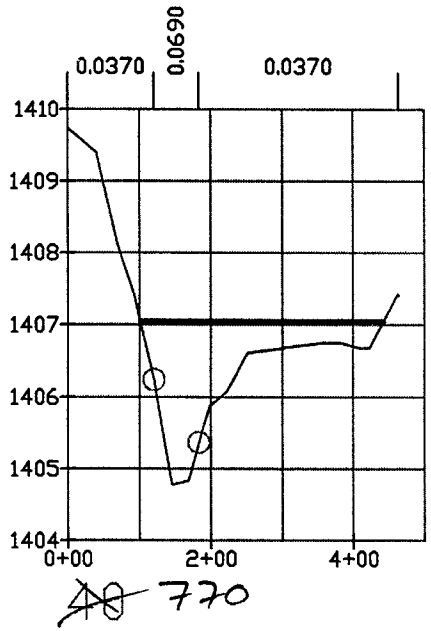

Normal Depth Results

Cross-Section:	~~40~~ 770	
Elevation:	1407.05	ft MSL
Depth:	2.27	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0201	ft/ft
Froude Number:	0.4758	
Flow Regime:	Subcritical	
Flow Area:	258.31	sq ft
Average Velocity:	4.10	ft/s
Maximum Velocity:	4.68	ft/s
Composite n:	0.0437	
Hydraulic Radius:	0.76	ft
Wetted Perimeter:	341.32	ft
Wetted Top Width:	341.23	ft
Critical Slope:	0.0911	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T1S–R6W–S29E–~~40~~ 770

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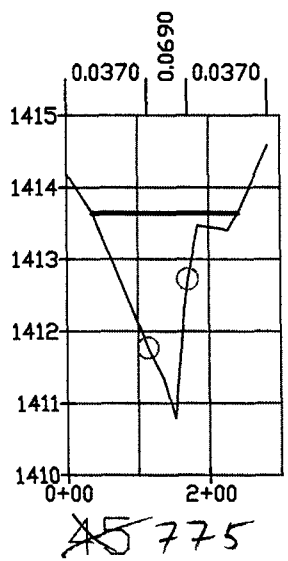

Normal Depth Results

Cross-Section:	~~45~~ 775	
Elevation:	1413.65	ft MSL
Depth:	2.85	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0201	ft/ft
Froude Number:	0.518	
Flow Regime:	Subcritical	
Flow Area:	211.80	sq ft
Average Velocity:	4.98	ft/s
Maximum Velocity:	5.44	ft/s
Composite n:	0.0468	
Hydraulic Radius:	1.03	ft
Wetted Perimeter:	204.91	ft
Wetted Top Width:	204.74	ft
Critical Slope:	0.0866	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T1S–R6W–S29E–~~45~~ 775

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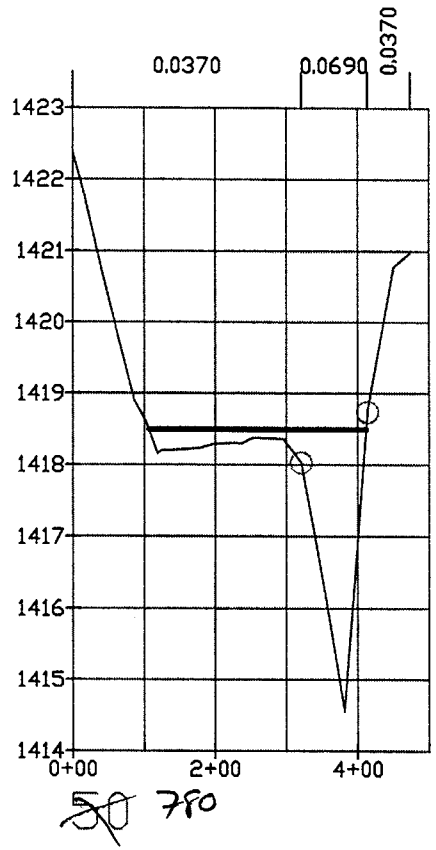
File: T1S-R6W-S29E.dwg Date: 9/13/02



Normal Depth Results

Cross-Section:	~~50~~ 780	
Elevation:	1418.50	ft MSL
Depth:	3.95	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0201	ft/ft
Froude Number:	0.3913	
Flow Regime:	Subcritical	
Flow Area:	238.12	sq ft
Average Velocity:	4.42	ft/s
Maximum Velocity:	5.00	ft/s
Composite n:	0.0476	
Hydraulic Radius:	0.78	ft
Wetted Perimeter:	306.21	ft
Wetted Top Width:	305.84	ft
Critical Slope:	0.1818	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T1S–R6W–S29E–~~50~~ 780

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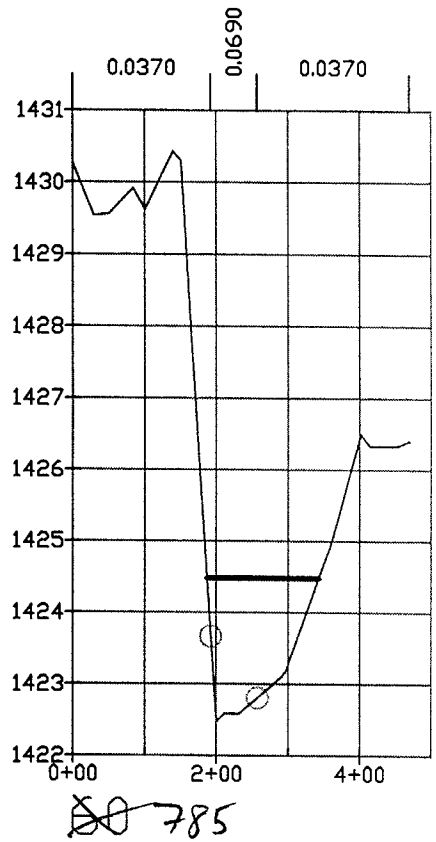

Normal Depth Results

Cross-Section:	~~58~~ 785	
Elevation:	1424.48	ft MSL
Depth:	2.00	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0201	ft/ft
Froude Number:	0.629	
Flow Regime:	Subcritical	
Flow Area:	208.16	sq ft
Average Velocity:	5.08	ft/s
Maximum Velocity:	5.85	ft/s
Composite n:	0.0515	
Hydraulic Radius:	1.33	ft
Wetted Perimeter:	156.24	ft
Wetted Top Width:	156.07	ft
Critical Slope:	0.0525	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T1S–R6W–S29E–~~80~~ 785

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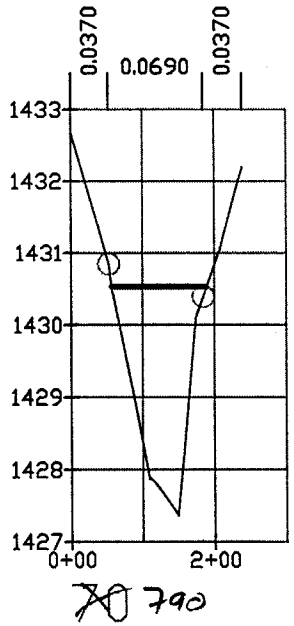

Normal Depth Results

Cross-Section:	~~78~~ 790	
Elevation:	1430.53	ft MSL
Depth:	3.17	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0201	ft/ft
Froude Number:	0.4482	
Flow Regime:	Subcritical	
Flow Area:	231.88	sq ft
Average Velocity:	4.53	ft/s
Maximum Velocity:	4.54	ft/s
Composite n:	0.068	
Hydraulic Radius:	1.74	ft
Wetted Perimeter:	133.03	ft
Wetted Top Width:	132.80	ft
Critical Slope:	0.1014	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T1S–R6W–S29E–~~70~~ 790

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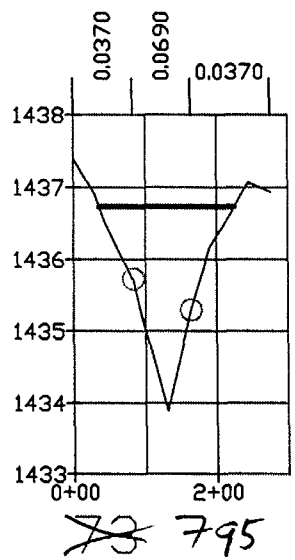

Normal Depth Results

Cross-Section:	~~78~~ 795	
Elevation:	1436.73	ft MSL
Depth:	2.84	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0201	ft/ft
Froude Number:	0.4856	
Flow Regime:	Subcritical	
Flow Area:	225.99	sq ft
Average Velocity:	4.64	ft/s
Maximum Velocity:	4.91	ft/s
Composite n:	0.0519	
Hydraulic Radius:	1.19	ft
Wetted Perimeter:	189.45	ft
Wetted Top Width:	189.35	ft
Critical Slope:	0.0878	ft/ft

File: T1N-R6W-S29E-.dwg Date: 9/20/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T1S–R6W–S29E–~~73~~ 795

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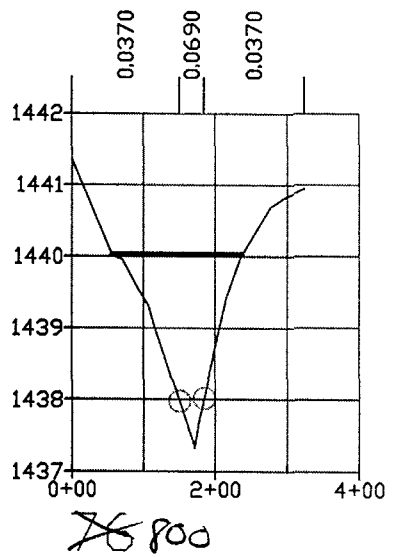

Normal Depth Results

Cross-Section:	~~76~~ 800	
Elevation:	1440.03	ft MSL
Depth:	2.70	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0201	ft/ft
Froude Number:	0.5552	
Flow Regime:	Subcritical	
Flow Area:	202.99	sq ft
Average Velocity:	5.19	ft/s
Maximum Velocity:	5.41	ft/s
Composite n:	0.0439	
Hydraulic Radius:	1.12	ft
Wetted Perimeter:	181.59	ft
Wetted Top Width:	181.49	ft
Critical Slope:	0.065	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T1S–R6W–S29E–~~76~~ 800

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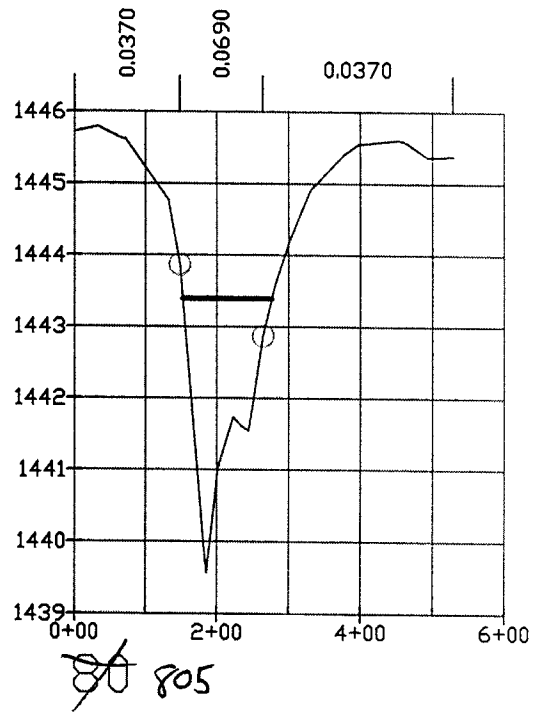

Normal Depth Results

Cross-Section:	~~80~~ 805	
Elevation:	1443.39	ft MSL
Depth:	3.82	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0201	ft/ft
Froude Number:	0.4266	
Flow Regime:	Subcritical	
Flow Area:	221.91	sq ft
Average Velocity:	4.73	ft/s
Maximum Velocity:	4.77	ft/s
Composite n:	0.0661	
Hydraulic Radius:	1.77	ft
Wetted Perimeter:	125.03	ft
Wetted Top Width:	124.68	ft
Critical Slope:	0.1129	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T1S–R6W–S29E–~~80~~ 805

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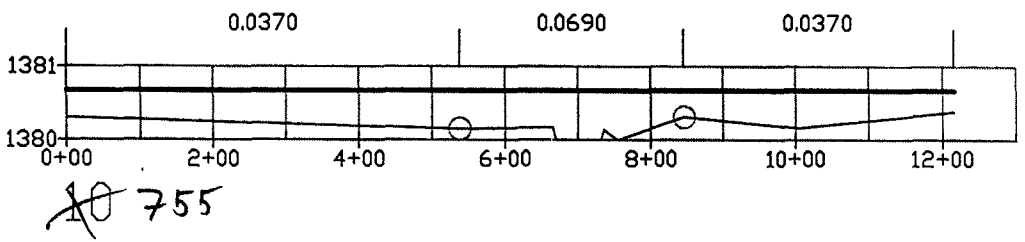
File: T1N-R6W-S29E-.dwg Date: 9/20/02

T2N-R6W-S05W



Normal Depth Results

Cross-Section:	~~10~~ 755	
Elevation:	1380.67	ft MSL
Depth:	0.67	ft
Discharge:	1650.00	cfs
Energy Gradient:	0.0193	ft/ft
Froude Number:	0.6294	
Flow Regime:	Subcritical	
Flow Area:	564.03	sq ft
Average Velocity:	2.85	ft/s
Maximum Velocity:	3.27	ft/s
Composite n:	0.0461	
Hydraulic Radius:	0.46	ft
Wetted Perimeter:	1215.34	ft
Wetted Top Width:	1215.33	ft
Critical Slope:	0.0575	ft/ft

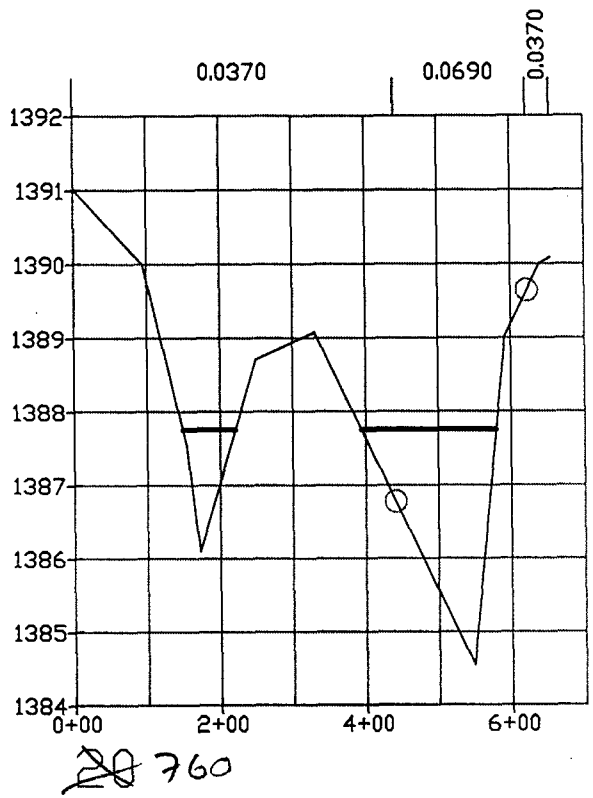
NOT USED IN DELINEATION.

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S05W–~~10~~ 755

Entellus™

File: T2N-R6W-S05W-New-Mapping.dwg Date: 9/25/02



Normal Depth Results

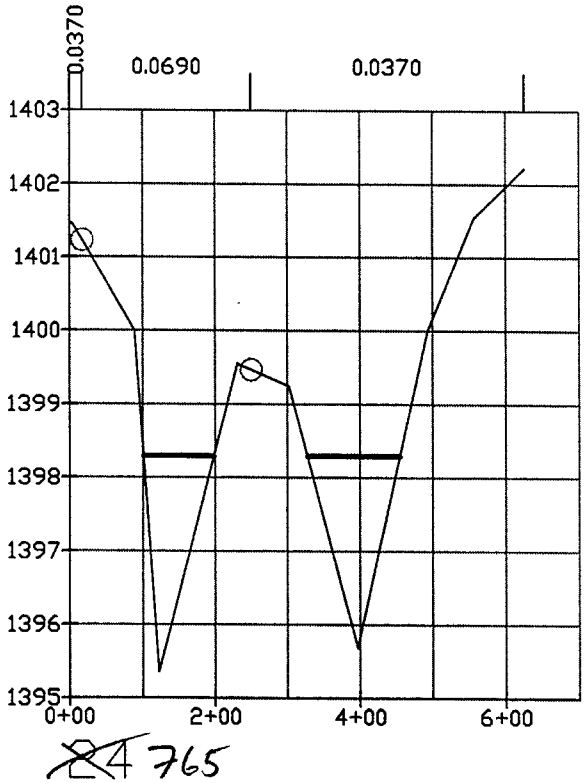
Cross-Section:	~~20~~ 760	
Elevation:	1387.76	ft MSL
Depth:	3.21	ft
Discharge:	1650.00	cfs
Energy Gradient:	0.0193	ft/ft
Froude Number:	0.4579	
Flow Regime:	Subcritical	
Flow Area:	354.77	sq ft
Average Velocity:	4.63	ft/s
Maximum Velocity:	4.73	ft/s
Composite n:	0.0553	
Hydraulic Radius:	1.38	ft
Wetted Perimeter:	257.85	ft
Wetted Top Width:	257.56	ft
Critical Slope:	0.0929	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S05W–~~20~~ 760

Entellus™

File: T2N-R6W-S05W-New-Mapping.dwg Date: 9/25/02



Normal Depth Results

Cross-Section:	~~24~~ 765	
Elevation:	1398.29	ft MSL
Depth:	2.93	ft
Discharge:	1650.00	cfs
Energy Gradient:	0.0193	ft/ft
Froude Number:	0.5521	
Flow Regime:	Subcritical	
Flow Area:	307.69	sq ft
Average Velocity:	5.37	ft/s
Maximum Velocity:	6.66	ft/s
Composite n:	0.0521	
Hydraulic Radius:	1.37	ft
Wetted Perimeter:	224.54	ft
Wetted Top Width:	224.17	ft
Critical Slope:	0.0758	ft/ft

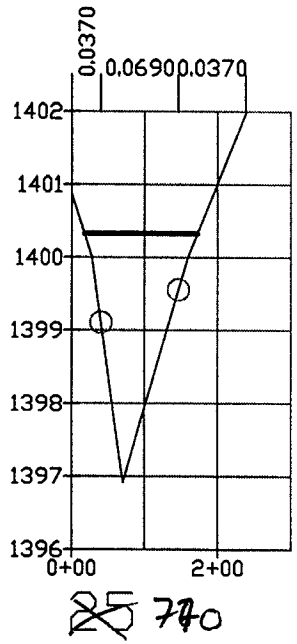
NOT USED IN DELINEATION.

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S05W–~~24~~ 765

Entellus™

File: T2N-R6W-S05W-New-Mapping.dwg Date: 9/25/02



Normal Depth Results

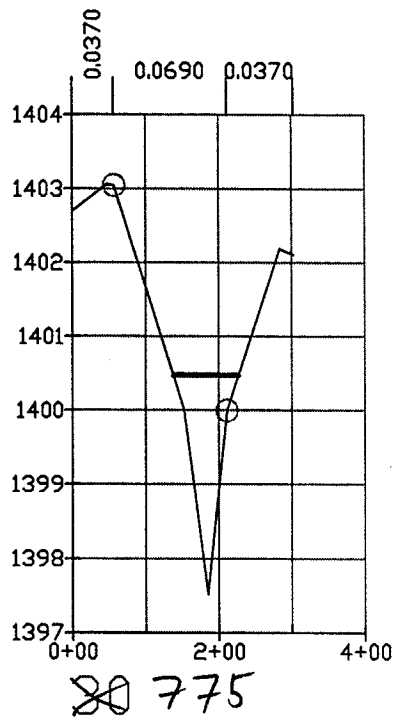
Cross-Section:	~~25~~ 770	
Elevation:	1400.33	ft MSL
Depth:	3.41	ft
Discharge:	1210.00	cfs
Energy Gradient:	0.0193	ft/ft
Froude Number:	0.4629	
Flow Regime:	Subcritical	
Flow Area:	249.57	sq ft
Average Velocity:	4.85	ft/s
Maximum Velocity:	5.00	ft/s
Composite n:	0.0599	
Hydraulic Radius:	1.61	ft
Wetted Perimeter:	155.29	ft
Wetted Top Width:	155.11	ft
Critical Slope:	0.0942	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S05W–~~25~~ 770

Entellus™

File: T2N-R6W-S05W-New-Mapping.dwg Date: 9/25/02



Normal Depth Results

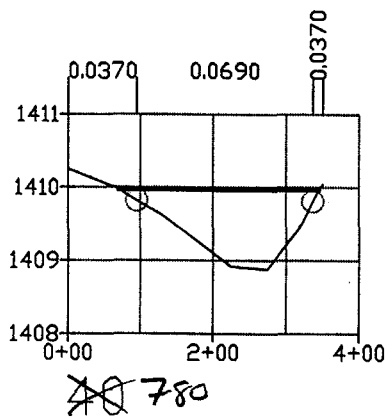
Cross-Section:	~~30~~ 775	
Elevation:	1400.47	ft MSL
Depth:	2.95	ft
Discharge:	400.00	cfs
Energy Gradient:	0.0193	ft/ft
Froude Number:	0.3803	
Flow Regime:	Subcritical	
Flow Area:	107.86	sq ft
Average Velocity:	3.72	ft/s
Maximum Velocity:	3.77	ft/s
Composite n:	0.064	
Hydraulic Radius:	1.21	ft
Wetted Perimeter:	89.48	ft
Wetted Top Width:	89.26	ft
Critical Slope:	0.1367	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S05W–~~30~~ 775

Entellus™

File: T2N-R6W-S05W-New-Mapping.dwg Date: 9/25/02



Normal Depth Results

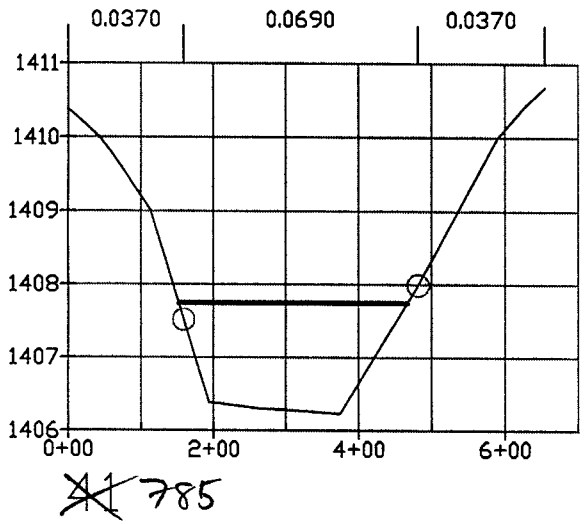
Cross-Section:	~~40~~ 780	
Elevation:	1409.97	ft MSL
Depth:	1.09	ft
Discharge:	400.00	cfs
Energy Gradient:	0.0193	ft/ft
Froude Number:	0.3909	
Flow Regime:	Subcritical	
Flow Area:	172.68	sq ft
Average Velocity:	2.35	ft/s
Maximum Velocity:	2.37	ft/s
Composite n:	0.0655	
Hydraulic Radius:	0.63	ft
Wetted Perimeter:	274.84	ft
Wetted Top Width:	274.82	ft
Critical Slope:	0.1264	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S05W–~~40~~ 780

Entellus™

File: T2N-R6W-S05W-New-Mapping.dwg Date: 9/25/02



Normal Depth Results

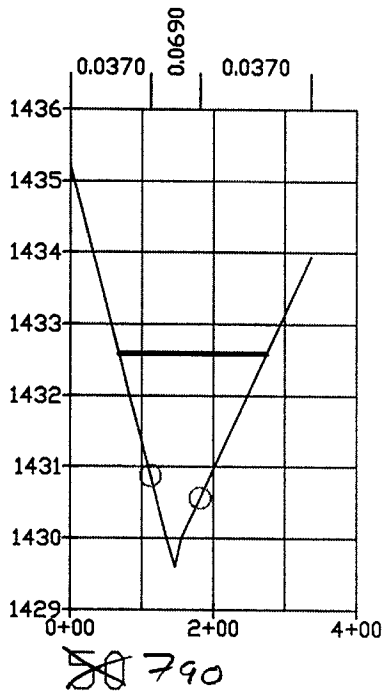
Cross-Section:	~~41~~ 785	
Elevation:	1407.75	ft MSL
Depth:	1.52	ft
Discharge:	1210.00	cfs
Energy Gradient:	0.0193	ft/ft
Froude Number:	0.48	
Flow Regime:	Subcritical	
Flow Area:	360.71	sq ft
Average Velocity:	3.32	ft/s
Maximum Velocity:	3.33	ft/s
Composite n:	0.0683	
Hydraulic Radius:	1.14	ft
Wetted Perimeter:	315.12	ft
Wetted Top Width:	315.09	ft
Critical Slope:	0.0858	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S05W–~~41~~ 785

Entellus™

File: T2N-R6W-S05W-New-Mapping.dwg Date: 9/25/02



Normal Depth Results

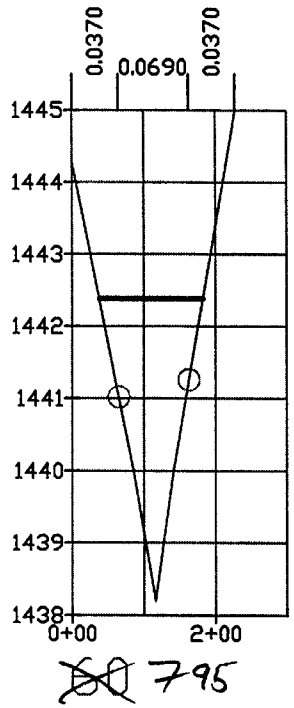
Cross-Section:	~~50~~ 790	
Elevation:	1432.59	ft MSL
Depth:	2.99	ft
Discharge:	1610.00	cfs
Energy Gradient:	0.0193	ft/ft
Froude Number:	0.5495	
Flow Regime:	Subcritical	
Flow Area:	298.71	sq ft
Average Velocity:	5.41	ft/s
Maximum Velocity:	5.63	ft/s
Composite n:	0.0489	
Hydraulic Radius:	1.44	ft
Wetted Perimeter:	206.99	ft
Wetted Top Width:	206.90	ft
Critical Slope:	0.0635	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S05W–~~50~~ 790

Entellus™

File: T2N-R6W-S05W-new-mapping.dwg Date: 9/13/02



Normal Depth Results

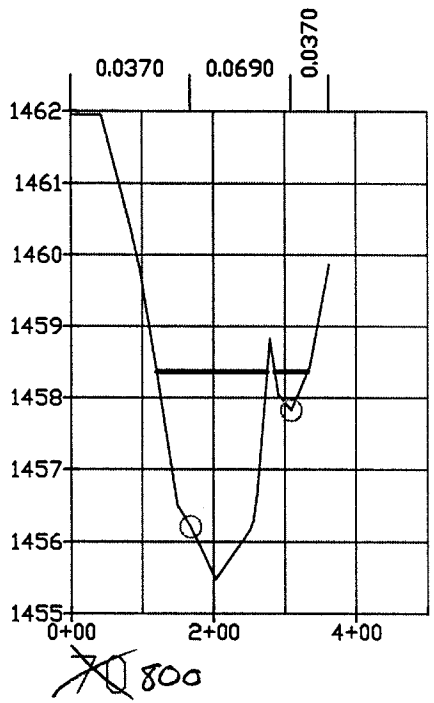
Cross-Section:	~~80~~ 795	
Elevation:	1442.39	ft MSL
Depth:	4.19	ft
Discharge:	1610.00	cfs
Energy Gradient:	0.0193	ft/ft
Froude Number:	0.4794	
Flow Regime:	Subcritical	
Flow Area:	289.39	sq ft
Average Velocity:	5.58	ft/s
Maximum Velocity:	5.74	ft/s
Composite n:	0.0596	
Hydraulic Radius:	2	ft
Wetted Perimeter:	144.88	ft
Wetted Top Width:	144.64	ft
Critical Slope:	0.0858	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S05W–~~80~~ 795

Entellus™

File: T2N-R6W-S05W-new-mapping.dwg Date: 9/11/02



Normal Depth Results

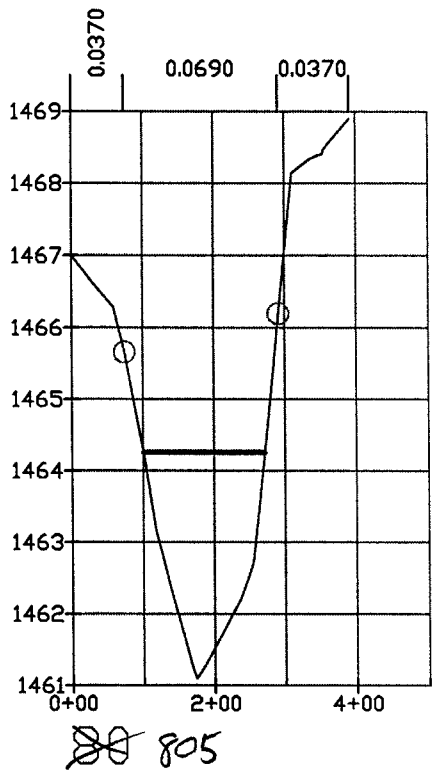
Cross-Section:	~~70~~ 800	
Elevation:	1458.36	ft MSL
Depth:	2.88	ft
Discharge:	1610.00	cfs
Energy Gradient:	0.0193	ft/ft
Froude Number:	0.5212	
Flow Regime:	Subcritical	
Flow Area:	320.82	sq ft
Average Velocity:	5.02	ft/s
Maximum Velocity:	6.78	ft/s
Composite n:	0.0588	
Hydraulic Radius:	1.59	ft
Wetted Perimeter:	201.24	ft
Wetted Top Width:	201.03	ft
Critical Slope:	0.0776	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S05W–~~70~~ 800

Entellus™

File: T2N-R6W-S05W.dwg Date: 9/13/02



Normal Depth Results

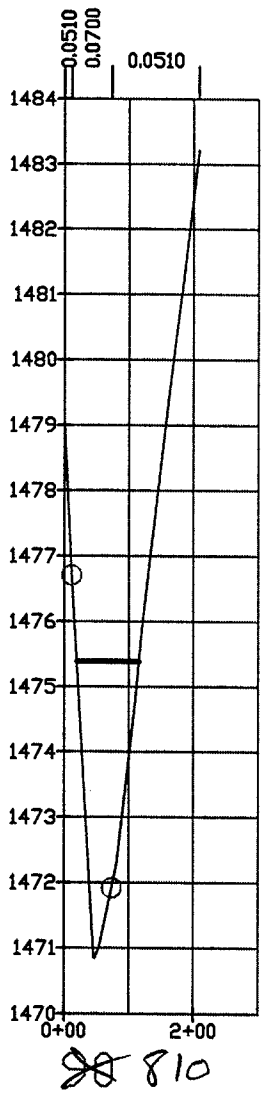
Cross-Section:	~~80~~ 805	
Elevation:	1464.26	ft MSL
Depth:	3.16	ft
Discharge:	1610.00	cfs
Energy Gradient:	0.0193	ft/ft
Froude Number:	0.4697	
Flow Regime:	Subcritical	
Flow Area:	340.14	sq ft
Average Velocity:	4.74	ft/s
Maximum Velocity:	4.74	ft/s
Composite n:	0.069	
Hydraulic Radius:	1.99	ft
Wetted Perimeter:	171.14	ft
Wetted Top Width:	170.98	ft
Critical Slope:	0.0871	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S05W–~~80~~ 805

Entellus™

File: T2N-R6W-S05W.dwg Date: 9/15/02



Normal Depth Results

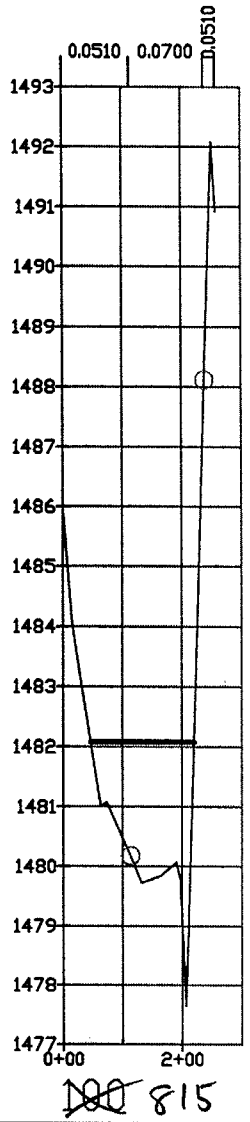
Cross-Section:	~~90~~ 810	
Elevation:	1475.39	ft MSL
Depth:	4.55	ft
Discharge:	1610.00	cfs
Energy Gradient:	0.0193	ft/ft
Froude Number:	0.5248	
Flow Regime:	Subcritical	
Flow Area:	253.54	sq ft
Average Velocity:	6.34	ft/s
Maximum Velocity:	6.39	ft/s
Composite n:	0.0621	
Hydraulic Radius:	2.62	ft
Wetted Perimeter:	96.63	ft
Wetted Top Width:	96.07	ft
Critical Slope:	0.0703	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S05W–~~90~~ 810

Entellus™

File: T2N-R6W-S05W.dwg Date: 9/13/02



Normal Depth Results

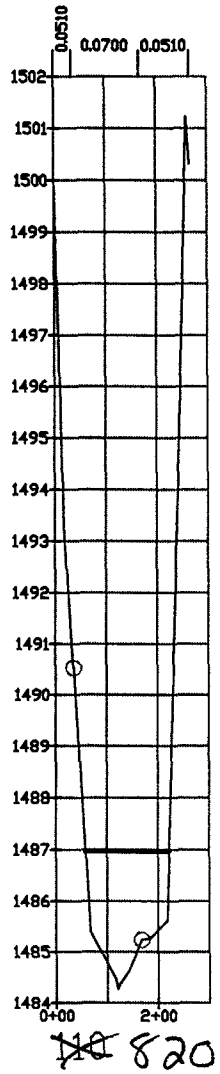
Cross-Section:	~~100~~ 815	
Elevation:	1482.08	ft MSL
Depth:	4.43	ft
Discharge:	1610.00	cfs
Energy Gradient:	0.0193	ft/ft
Froude Number:	0.4153	
Flow Regime:	Subcritical	
Flow Area:	324.74	sq ft
Average Velocity:	4.98	ft/s
Maximum Velocity:	5.14	ft/s
Composite n:	0.063	
Hydraulic Radius:	1.85	ft
Wetted Perimeter:	175.20	ft
Wetted Top Width:	174.21	ft
Critical Slope:	0.112	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S05W–~~100~~ 815

Entellus™

File: T2N-R6W-S05W.dwg Date: 9/13/02



Normal Depth Results

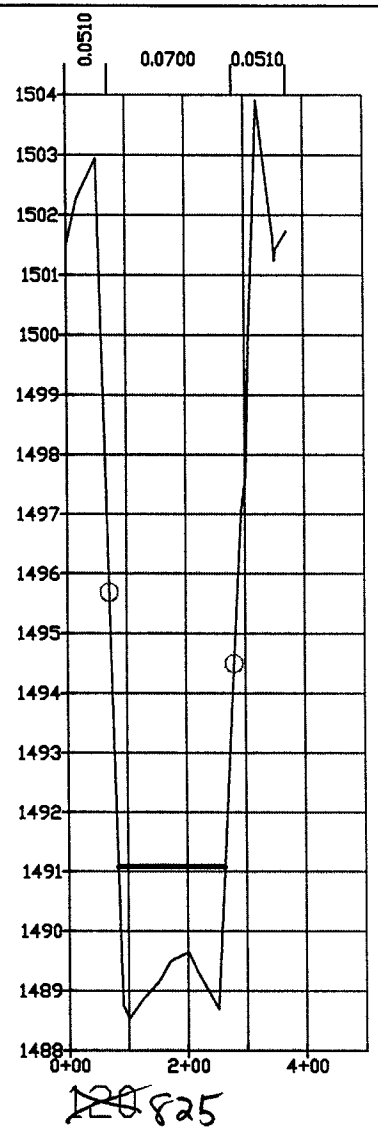
Cross-Section:	~~110~~ 820	
Elevation:	1486.97	ft MSL
Depth:	2.70	ft
Discharge:	1610.00	cfs
Energy Gradient:	0.0217	ft/ft
Froude Number:	0.5617	
Flow Regime:	Subcritical	
Flow Area:	307.30	sq ft
Average Velocity:	5.21	ft/s
Maximum Velocity:	5.70	ft/s
Composite n:	0.064	
Hydraulic Radius:	1.87	ft
Wetted Perimeter:	164.56	ft
Wetted Top Width:	164.17	ft
Critical Slope:	0.0699	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S05W–~~110~~ 820

Entellus™

File: T2N-R6W-S05W.dwg Date: 9/13/02



Normal Depth Results

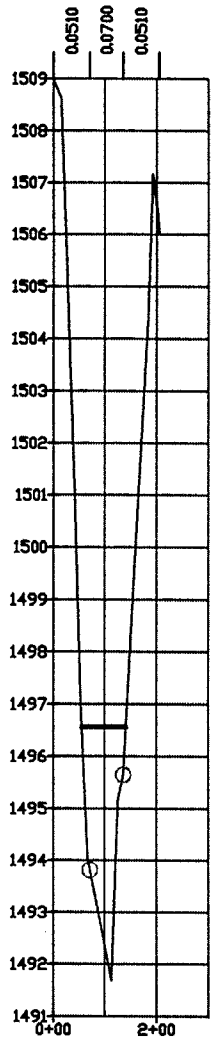
Cross-Section:	~~120~~ 825	
Elevation:	1491.09	ft MSL
Depth:	2.56	ft
Discharge:	1610.00	cfs
Energy Gradient:	0.0217	ft/ft
Froude Number:	0.5264	
Flow Regime:	Subcritical	
Flow Area:	337.20	sq ft
Average Velocity:	4.75	ft/s
Maximum Velocity:	4.75	ft/s
Composite n:	0.07	
Hydraulic Radius:	1.87	ft
Wetted Perimeter:	180.59	ft
Wetted Top Width:	179.94	ft
Critical Slope:	0.0789	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S05W–~~120~~ 825

Entellus™

File: T2N-R6W-S05W.dwg Date: 9/13/02



~~130~~ 830

Normal Depth Results

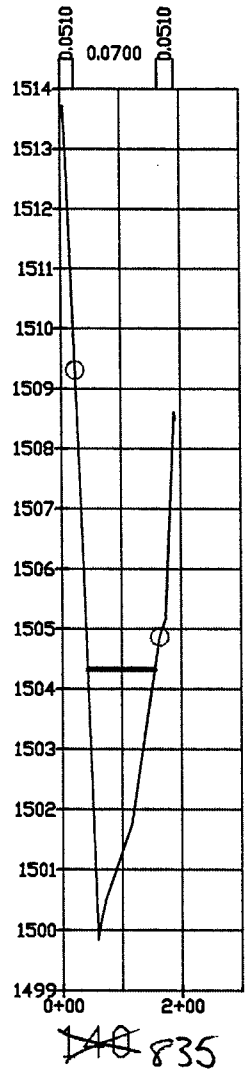
Cross-Section:	~~130~~ 830	
Elevation:	1496.57	ft MSL
Depth:	4.88	ft
Discharge:	1610.00	cfs
Energy Gradient:	0.0217	ft/ft
Froude Number:	0.5347	
Flow Regime:	Subcritical	
Flow Area:	240.25	sq ft
Average Velocity:	6.72	ft/s
Maximum Velocity:	6.86	ft/s
Composite n:	0.0655	
Hydraulic Radius:	2.77	ft
Wetted Perimeter:	86.79	ft
Wetted Top Width:	85.88	ft
Critical Slope:	0.0782	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S05W–~~130~~ 830

Entellus™

File: T2N-R6W-S05W.dwg Date: 9/13/02



Normal Depth Results

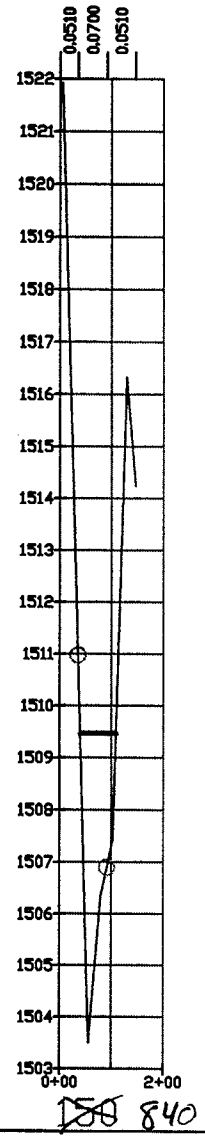
Cross-Section:	~~140~~ 835	
Elevation:	1504.32	ft MSL
Depth:	4.47	ft
Discharge:	1610.00	cfs
Energy Gradient:	0.0217	ft/ft
Froude Number:	0.4787	
Flow Regime:	Subcritical	
Flow Area:	280.31	sq ft
Average Velocity:	5.74	ft/s
Maximum Velocity:	5.74	ft/s
Composite n:	0.07	
Hydraulic Radius:	2.48	ft
Wetted Perimeter:	113.05	ft
Wetted Top Width:	112.34	ft
Critical Slope:	0.0946	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S05W–~~140~~ 835

Entellus™

File: T2N-R6W-S05W.dwg Date: 9/13/02



Normal Depth Results

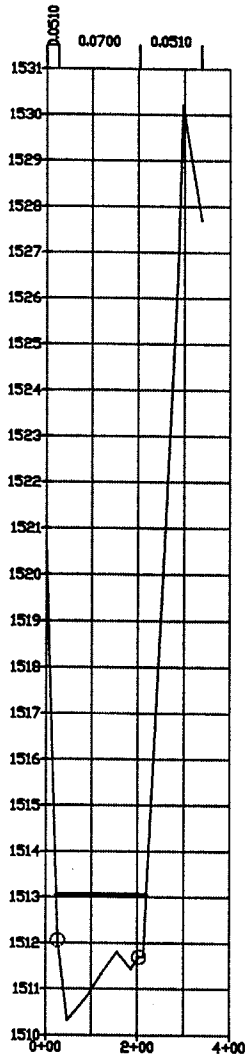
Cross-Section:	~~150~~ 840	
Elevation:	1509.47	ft MSL
Depth:	5.96	ft
Discharge:	1610.00	cfs
Energy Gradient:	0.0217	ft/ft
Froude Number:	0.5208	
Flow Regime:	Subcritical	
Flow Area:	223.26	sq ft
Average Velocity:	7.22	ft/s
Maximum Velocity:	7.36	ft/s
Composite n:	0.0655	
Hydraulic Radius:	3.16	ft
Wetted Perimeter:	70.76	ft
Wetted Top Width:	69.19	ft
Critical Slope:	0.0801	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S05W–~~150~~ 840

Entellus™

File: T2N-R6W-S05W.dwg Date: 9/13/02



~~160~~ 845

Normal Depth Results

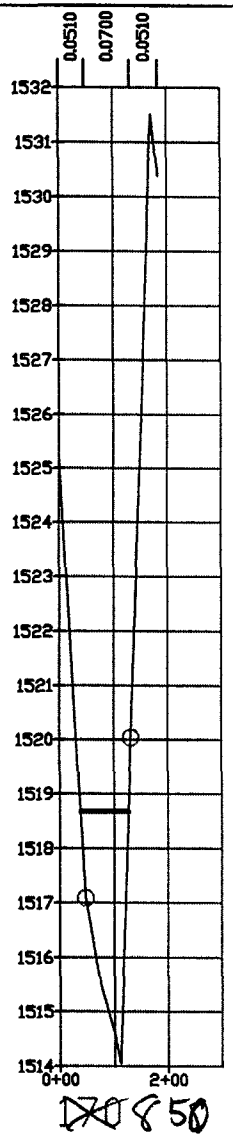
Cross-Section:	~~160~~ 845	
Elevation:	1513.04	ft MSL
Depth:	2.72	ft
Discharge:	1610.00	cfs
Energy Gradient:	0.0217	ft/ft
Froude Number:	0.5002	
Flow Regime:	Subcritical	
Flow Area:	344.17	sq ft
Average Velocity:	4.68	ft/s
Maximum Velocity:	4.70	ft/s
Composite n:	0.0682	
Hydraulic Radius:	1.75	ft
Wetted Perimeter:	196.91	ft
Wetted Top Width:	196.53	ft
Critical Slope:	0.0872	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S05W–~~160~~ 845

Entellus™

File: T2N-R6W-S05W.dwg Date: 9/13/02



Normal Depth Results

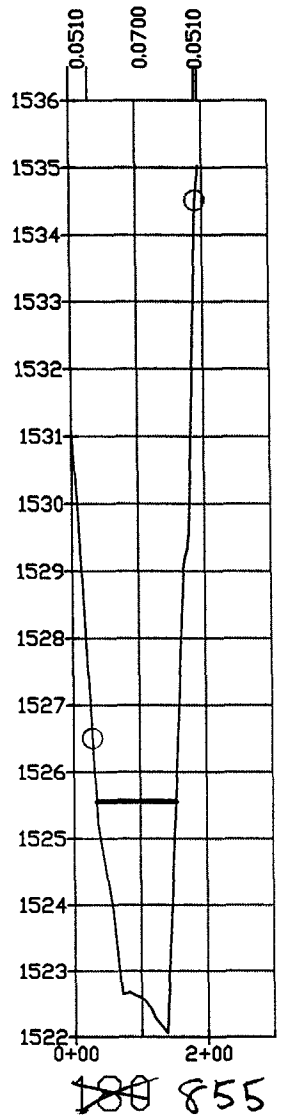
Cross-Section:	~~170~~ 850	
Elevation:	1518.68	ft MSL
Depth:	4.63	ft
Discharge:	1610.00	cfs
Energy Gradient:	0.0217	ft/ft
Froude Number:	0.5274	
Flow Regime:	Subcritical	
Flow Area:	250.09	sq ft
Average Velocity:	6.46	ft/s
Maximum Velocity:	6.54	ft/s
Composite n:	0.0681	
Hydraulic Radius:	2.78	ft
Wetted Perimeter:	89.96	ft
Wetted Top Width:	89.09	ft
Critical Slope:	0.0797	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S05W–~~170~~ 850

Entellus™

File: T2N-R6W-S05W.dwg Date: 9/13/02



Normal Depth Results

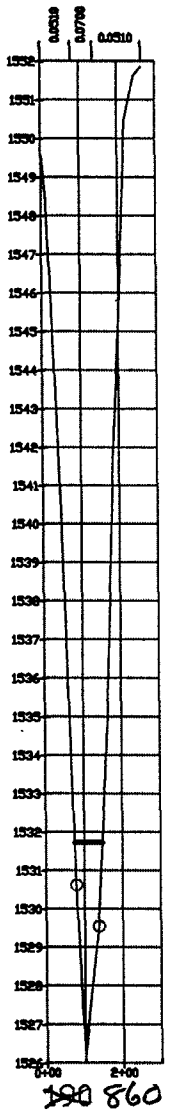
Cross-Section:	~~180~~ 855	
Elevation:	1525.56	ft MSL
Depth:	3.50	ft
Discharge:	1610.00	cfs
Energy Gradient:	0.0217	ft/ft
Froude Number:	0.5285	
Flow Regime:	Subcritical	
Flow Area:	287.17	sq ft
Average Velocity:	5.61	ft/s
Maximum Velocity:	5.61	ft/s
Composite n:	0.07	
Hydraulic Radius:	2.4	ft
Wetted Perimeter:	119.88	ft
Wetted Top Width:	119.34	ft
Critical Slope:	0.0774	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S05W–~~180~~ 855

Entellus™

File: T2N-R6W-S05W.dwg Date: 9/25/02



Normal Depth Results

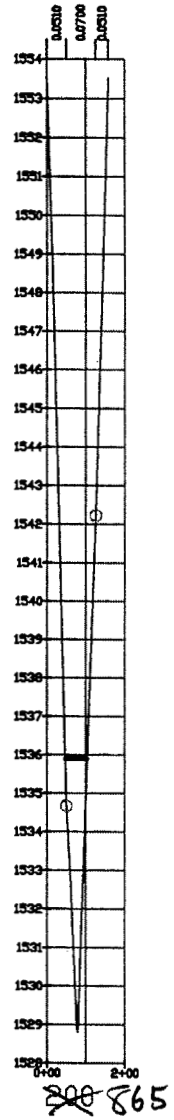
Cross-Section:	~~190~~ 860	
Elevation:	1531.74	ft MSL
Depth:	5.50	ft
Discharge:	1610.00	cfs
Energy Gradient:	0.0217	ft/ft
Froude Number:	0.5401	
Flow Regime:	Subcritical	
Flow Area:	224.13	sq ft
Average Velocity:	7.16	ft/s
Maximum Velocity:	7.36	ft/s
Composite n:	0.0662	
Hydraulic Radius:	3.03	ft
Wetted Perimeter:	74.00	ft
Wetted Top Width:	73.05	ft
Critical Slope:	0.0796	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S05W–~~190~~ 860

Entellus™

File: T2N-R6W-S05W.dwg Date: 9/13/02



Normal Depth Results

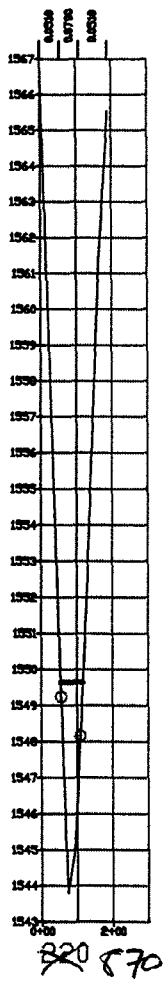
Cross-Section:	~~280~~ 865	
Elevation:	1535.90	ft MSL
Depth:	7.09	ft
Discharge:	1610.00	cfs
Energy Gradient:	0.0217	ft/ft
Froude Number:	0.5023	
Flow Regime:	Subcritical	
Flow Area:	212.19	sq ft
Average Velocity:	7.59	ft/s
Maximum Velocity:	7.63	ft/s
Composite n:	0.0689	
Hydraulic Radius:	3.61	ft
Wetted Perimeter:	58.76	ft
Wetted Top Width:	56.85	ft
Critical Slope:	0.0883	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S05W–~~280~~ 865

Entellus™

File: T2N-R6W-S05W.dwg Date: 9/13/02



Normal Depth Results

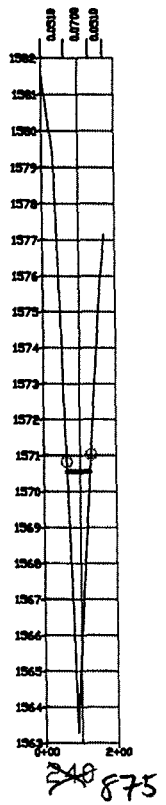
Cross-Section:	~~320~~ 870	
Elevation:	1549.65	ft MSL
Depth:	5.84	ft
Discharge:	1610.00	cfs
Energy Gradient:	0.0217	ft/ft
Froude Number:	0.5501	
Flow Regime:	Subcritical	
Flow Area:	213.53	sq ft
Average Velocity:	7.56	ft/s
Maximum Velocity:	7.67	ft/s
Composite n:	0.0675	
Hydraulic Radius:	3.39	ft
Wetted Perimeter:	62.96	ft
Wetted Top Width:	61.56	ft
Critical Slope:	0.0757	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S05W–~~220~~ 870

Entellus™

File: T2N-R6W-S05W.dwg Date: 9/13/02



Normal Depth Results

Cross-Section:	~~240~~ 875	
Elevation:	1570.55	ft MSL
Depth:	7.26	ft
Discharge:	1610.00	cfs
Energy Gradient:	0.0217	ft/ft
Froude Number:	0.4665	
Flow Regime:	Subcritical	
Flow Area:	225.76	sq ft
Average Velocity:	7.15	ft/s
Maximum Velocity:	7.15	ft/s
Composite n:	0.07	
Hydraulic Radius:	3.44	ft
Wetted Perimeter:	65.63	ft
Wetted Top Width:	63.91	ft
Critical Slope:	0.0992	ft/ft

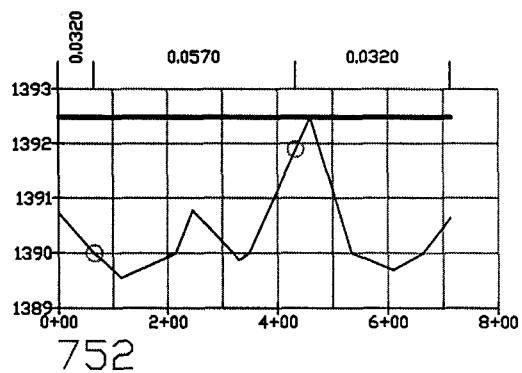
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S05W–~~240~~ 875

Entellus™

File: T2N-R6W-S05W.dwg Date: 9/13/02

T2N-R6W-S18W



Normal Depth Results

Cross-Section:	752	
Elevation:	1392.49	ft MSL
Depth:	2.94	ft
Discharge:	10060.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.6801	
Flow Regime:	Subcritical	
Flow Area:	1520.70	sq ft
Average Velocity:	6.65	ft/s
Maximum Velocity:	8.81	ft/s
Composite n:	0.0457	
Hydraulic Radius:	2.13	ft
Wetted Perimeter:	713.82	ft
Wetted Top Width:	713.72	ft
Critical Slope:	0.0325	ft/ft

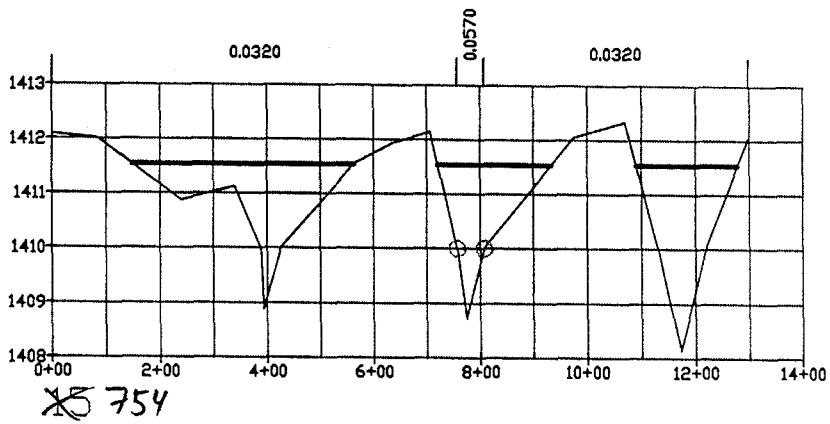
NOT USED IN DELINEATION.

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–752

Entellus™

File: T2N-R6W-S18W-Bottom-New-Mapping.dwg Date: 5/16/02



Normal Depth Results

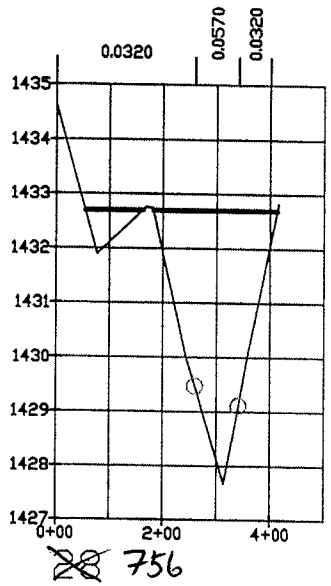
Cross-Section:	~~15~~ 754	
Elevation:	1411.54	ft MSL
Depth:	3.39	ft
Discharge:	4520.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.5115	
Flow Regime:	Subcritical	
Flow Area:	845.82	sq ft
Average Velocity:	5.32	ft/s
Maximum Velocity:	6.16	ft/s
Composite n:	0.0338	
Hydraulic Radius:	1.04	ft
Wetted Perimeter:	816.34	ft
Wetted Top Width:	815.96	ft
Critical Slope:	0.0535	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~15~~ 754

Entellus™

File: T2N-R6W-S18W-Bottom-New-Mapping.dwg Date: 9/30/02



Normal Depth Results

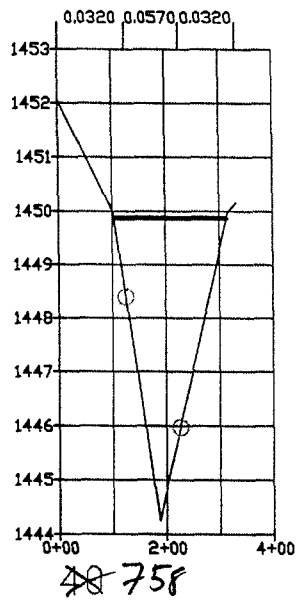
Cross-Section:	~~28~~ 756	
Elevation:	1432.70	ft MSL
Depth:	5.03	ft
Discharge:	4520.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.5521	
Flow Regime:	Subcritical	
Flow Area:	643.46	sq ft
Average Velocity:	7.05	ft/s
Maximum Velocity:	7.78	ft/s
Composite n:	0.0387	
Hydraulic Radius:	1.9	ft
Wetted Perimeter:	339.51	ft
Wetted Top Width:	339.27	ft
Critical Slope:	0.0466	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~28~~ 756

Entellus™

File: T2N-R6W-S18W-Bottom-New-Mapping.dwg; Date: 9/30/02



Normal Depth Results

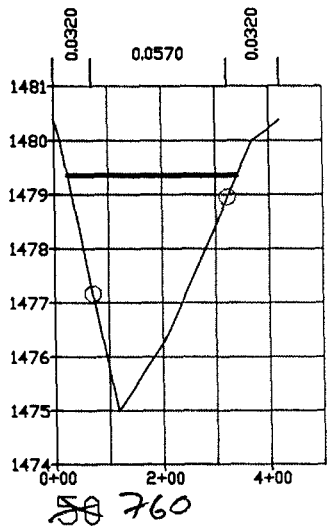
Cross-Section:	~~40~~ 758	
Elevation:	1449.87	ft MSL
Depth:	5.61	ft
Discharge:	4520.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.5706	
Flow Regime:	Subcritical	
Flow Area:	589.38	sq ft
Average Velocity:	7.68	ft/s
Maximum Velocity:	8.30	ft/s
Composite n:	0.0448	
Hydraulic Radius:	2.8	ft
Wetted Perimeter:	210.26	ft
Wetted Top Width:	209.95	ft
Critical Slope:	0.0413	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~40~~ 758

Entellus™

File: T2N-R6W-S18W-Bottom-New-Mapping.dwg; Date: 9/30/02



Normal Depth Results

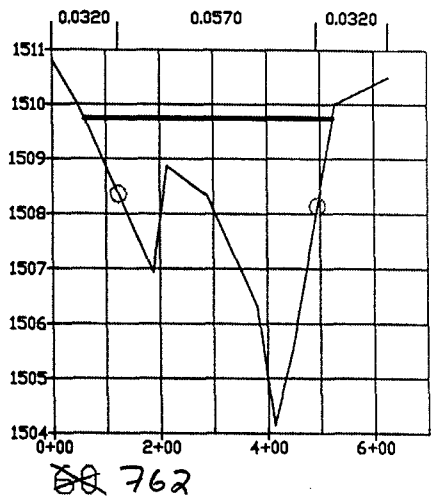
Cross-Section:	~~50~~ 760	
Elevation:	1479.36	ft MSL
Depth:	4.37	ft
Discharge:	4250.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.4866	
Flow Regime:	Subcritical	
Flow Area:	736.44	sq ft
Average Velocity:	5.78	ft/s
Maximum Velocity:	5.81	ft/s
Composite n:	0.0524	
Hydraulic Radius:	2.33	ft
Wetted Perimeter:	316.47	ft
Wetted Top Width:	316.32	ft
Critical Slope:	0.0564	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~50~~ 760

Entellus™

File: T2N-R6W-S18W-BOTTOM-new-mapping.dwg, Date: 9/13/02



Normal Depth Results

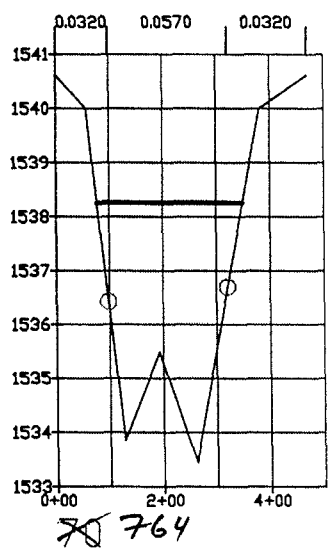
Cross-Section:	~~50~~ 762	
Elevation:	1509.75	ft MSL
Depth:	5.60	ft
Discharge:	5520.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.4074	
Flow Regime:	Subcritical	
Flow Area:	1009.74	sq ft
Average Velocity:	5.48	ft/s
Maximum Velocity:	5.56	ft/s
Composite n:	0.0525	
Hydraulic Radius:	2.18	ft
Wetted Perimeter:	464.15	ft
Wetted Top Width:	463.81	ft
Critical Slope:	0.0794	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~50~~ 762

Entellus™

File: T2N-R6W-S18W-FLOTTOM-new-mapping.dwg Date: 9/13/02



Normal Depth Results

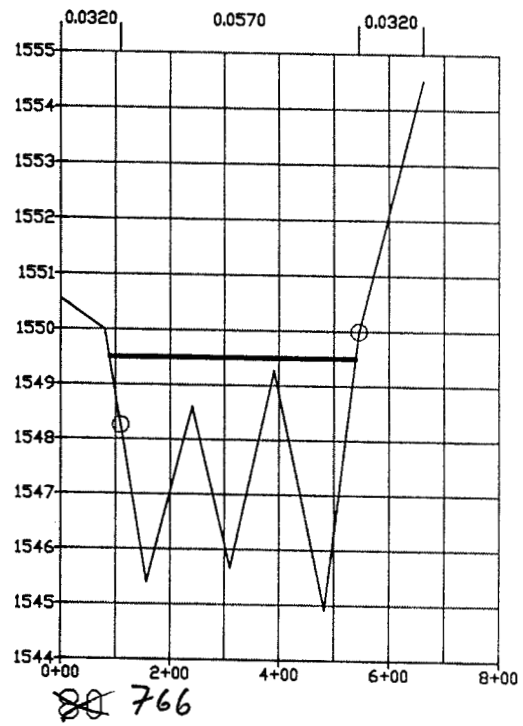
Cross-Section:	~~70~~ 764	
Elevation:	1538.26	ft MSL
Depth:	4.81	ft
Discharge:	5520.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.543	
Flow Regime:	Subcritical	
Flow Area:	817.09	sq ft
Average Velocity:	6.76	ft/s
Maximum Velocity:	6.87	ft/s
Composite n:	0.0529	
Hydraulic Radius:	3	ft
Wetted Perimeter:	272.67	ft
Wetted Top Width:	272.30	ft
Critical Slope:	0.0452	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~70~~ 764

Entellus™

File: T2N-R6W-S18W-HGTTOM-new-mapping.dwg; Date: 9/13/02



Normal Depth Results

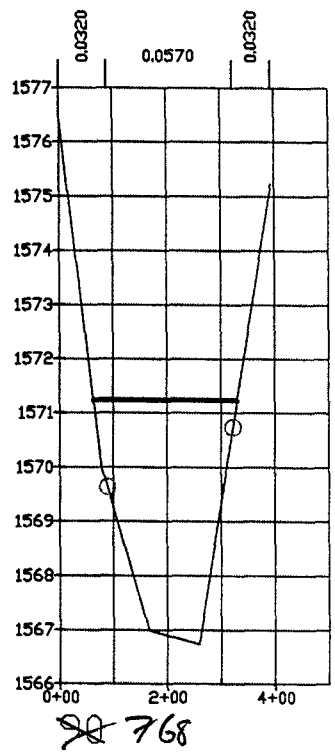
Cross-Section:	~~80~~ 766	
Elevation:	1549.50	ft MSL
Depth:	4.58	ft
Discharge:	5440.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.4348	
Flow Regime:	Subcritical	
Flow Area:	1030.18	sq ft
Average Velocity:	5.29	ft/s
Maximum Velocity:	5.30	ft/s
Composite n:	0.0559	
Hydraulic Radius:	2.28	ft
Wetted Perimeter:	451.67	ft
Wetted Top Width:	451.06	ft
Critical Slope:	0.0693	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~80~~ 766

Entellus™

File: T2N-R6W-S18W-BOTTOM-new-mapping.dwg, Date: 9/13/02



Normal Depth Results

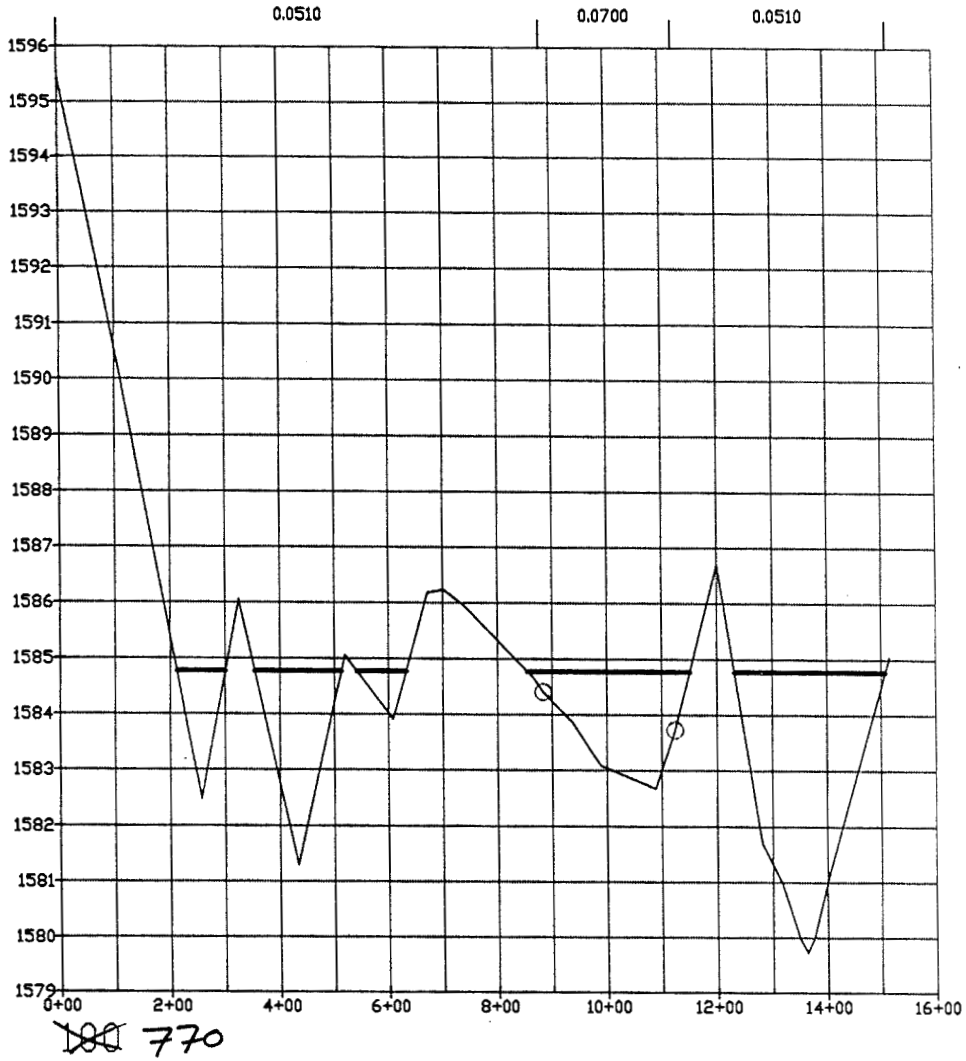
Cross-Section:	~~90~~ 768	
Elevation:	1571.24	ft MSL
Depth:	4.50	ft
Discharge:	5440.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.5545	
Flow Regime:	Subcritical	
Flow Area:	815.40	sq ft
Average Velocity:	6.68	ft/s
Maximum Velocity:	6.74	ft/s
Composite n:	0.0541	
Hydraulic Radius:	3.05	ft
Wetted Perimeter:	267.19	ft
Wetted Top Width:	266.94	ft
Critical Slope:	0.0432	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~90~~ 768

Entellus™

File: T2N-R6W-S18W-FCDTFOM-new-mapping.dwg, Date: 9/13/02



Normal Depth Results

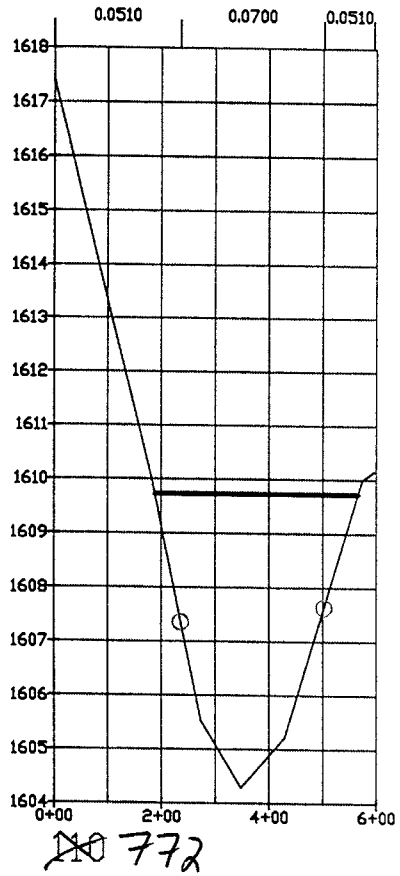
Cross-Section:	~~100~~ 770	
Elevation:	1584.78	ft MSL
Depth:	5.05	ft
Discharge:	7620.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.384	
Flow Regime:	Subcritical	
Flow Area:	1556.98	sq ft
Average Velocity:	4.89	ft/s
Maximum Velocity:	6.32	ft/s
Composite n:	0.0563	
Hydraulic Radius:	1.71	ft
Wetted Perimeter:	911.24	ft
Wetted Top Width:	910.69	ft
Critical Slope:	0.1135	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~100~~ 770

Entellus™

File: T2N-R6W-S18W-New-Mapping.dwg; Date: 9/25/02



Normal Depth Results

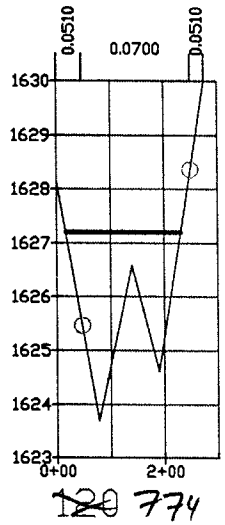
Cross-Section:	~~110~~ 772	
Elevation:	1609.73	ft MSL
Depth:	5.44	ft
Discharge:	7620.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.4599	
Flow Regime:	Subcritical	
Flow Area:	1251.97	sq ft
Average Velocity:	6.10	ft/s
Maximum Velocity:	6.38	ft/s
Composite n:	0.0646	
Hydraulic Radius:	3.31	ft
Wetted Perimeter:	378.50	ft
Wetted Top Width:	378.31	ft
Critical Slope:	0.0669	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~110~~ 772

Entellus™

File: T2N-R6W-S18W-BOTTOM-new-mapping.dwg, Date: 9/13/02



Normal Depth Results

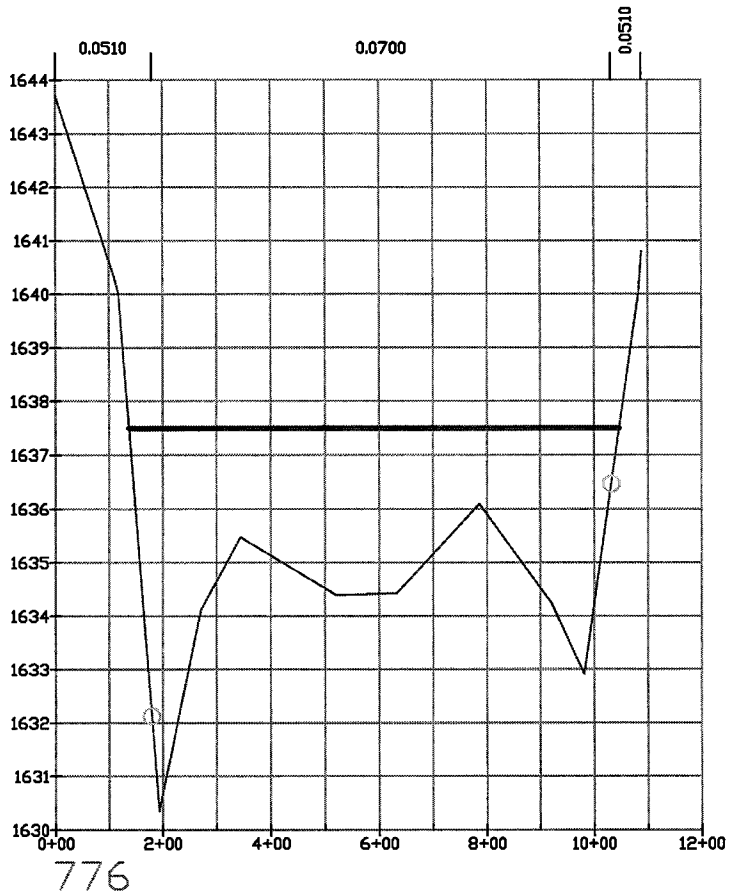
Cross-Section:	~~120~~ 774	
Elevation:	1627.21	ft MSL
Depth:	3.51	ft
Discharge:	1340.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.3413	
Flow Regime:	Subcritical	
Flow Area:	369.43	sq ft
Average Velocity:	3.64	ft/s
Maximum Velocity:	3.69	ft/s
Composite n:	0.0674	
Hydraulic Radius:	1.72	ft
Wetted Perimeter:	214.62	ft
Wetted Top Width:	214.33	ft
Critical Slope:	0.1122	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~120~~ 774

Entellus™

File: T2N-R6W-S18W-BOTTOM-new-mapping.dwg; Date: 9/13/02



Normal Depth Results

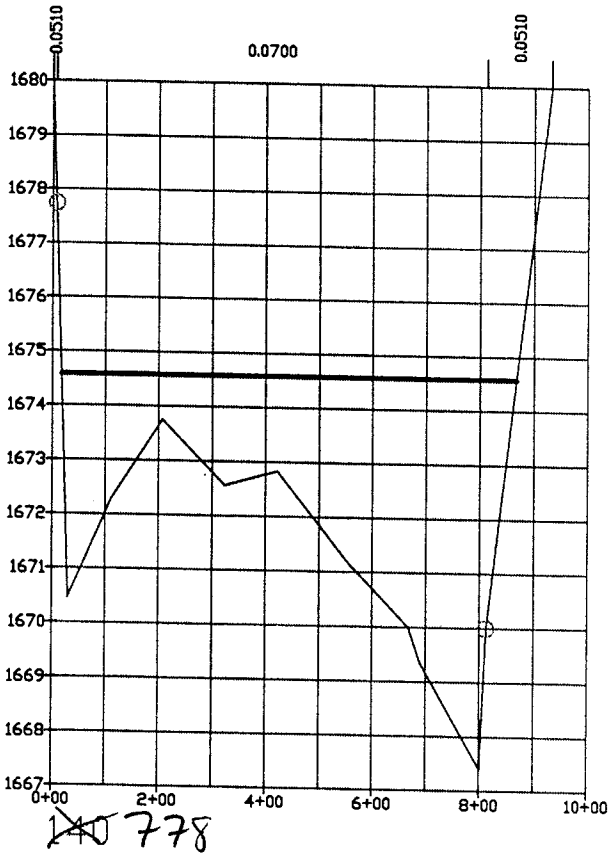
Cross-Section:	776	
Elevation:	1637.50	ft MSL
Depth:	7.15	ft
Discharge:	13450.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.3347	
Flow Regime:	Subcritical	
Flow Area:	2649.40	sq ft
Average Velocity:	5.08	ft/s
Maximum Velocity:	6.42	ft/s
Composite n:	0.0688	
Hydraulic Radius:	2.91	ft
Wetted Perimeter:	910.32	ft
Wetted Top Width:	909.56	ft
Critical Slope:	0.1183	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–776

Entellus™

File: T2N-R6W-S18W-New-Mapping.dwg; Date: 5/21/03



Normal Depth Results

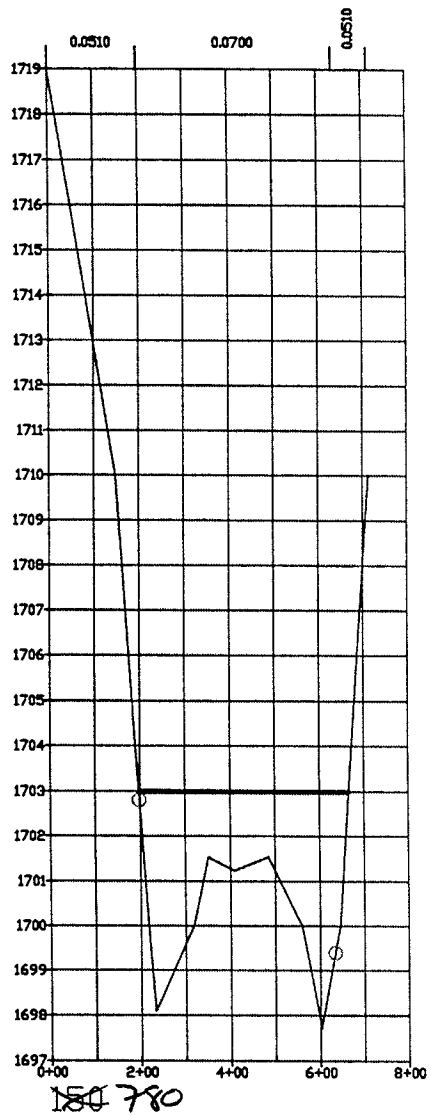
Cross-Section:	~~140~~ 778	
Elevation:	1674.58	ft MSL
Depth:	7.17	ft
Discharge:	13360.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.3416	
Flow Regime:	Subcritical	
Flow Area:	2574.15	sq ft
Average Velocity:	5.18	ft/s
Maximum Velocity:	5.80	ft/s
Composite n:	0.0688	
Hydraulic Radius:	3.02	ft
Wetted Perimeter:	851.24	ft
Wetted Top Width:	850.05	ft
Critical Slope:	0.1126	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~140~~ 778

Entellus™

File: T2N-R6W-S18W-BOTTOM-new-mapping.dwg; Date: 9/13/02



Normal Depth Results

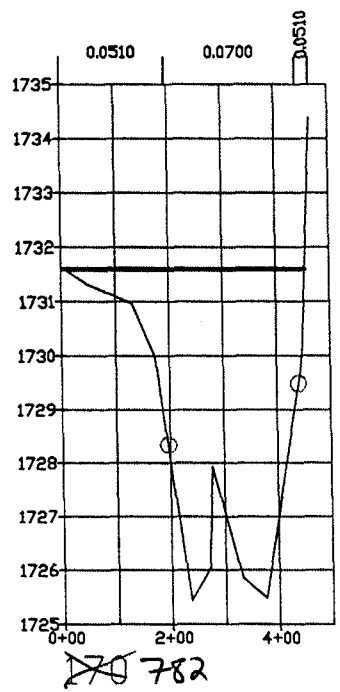
Cross-Section:	~~150~~ 780	
Elevation:	1702.99	ft MSL
Depth:	5.26	ft
Discharge:	6100.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.3708	
Flow Regime:	Subcritical	
Flow Area:	1264.59	sq ft
Average Velocity:	4.81	ft/s
Maximum Velocity:	5.52	ft/s
Composite n:	0.0687	
Hydraulic Radius:	2.69	ft
Wetted Perimeter:	469.42	ft
Wetted Top Width:	468.66	ft
Critical Slope:	0.096	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~150~~ 780

Entellus™

File: T2N-R6W-S18W-PS/TTOM-new-mapping.dwg Date: 9/13/02



Normal Depth Results

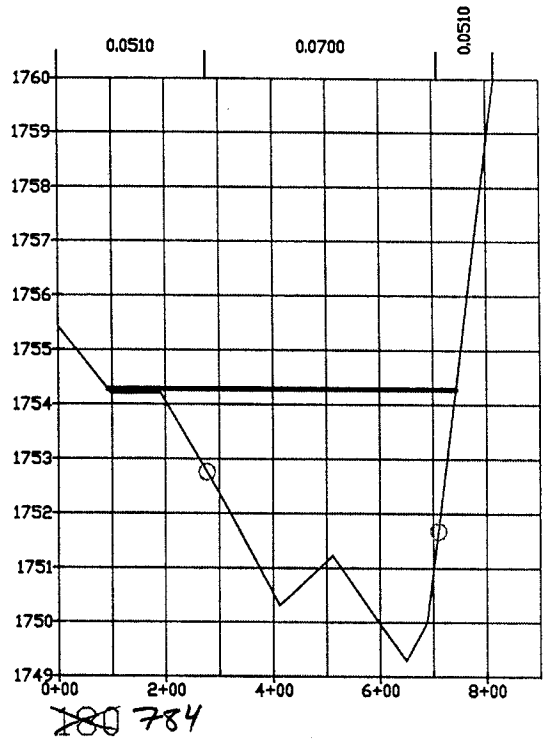
Cross-Section:	~~170~~ 782	
Elevation:	1731.60	ft MSL
Depth:	6.16	ft
Discharge:	8960.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.4644	
Flow Regime:	Subcritical	
Flow Area:	1370.65	sq ft
Average Velocity:	6.56	ft/s
Maximum Velocity:	7.05	ft/s
Composite n:	0.0617	
Hydraulic Radius:	3.05	ft
Wetted Perimeter:	449.36	ft
Wetted Top Width:	448.53	ft
Critical Slope:	0.0768	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~170~~ 782

Entellus™

File: T2N-R6W-S18W-FCFTOM-new-mapping.dwg, Date: 9/13/02



Normal Depth Results

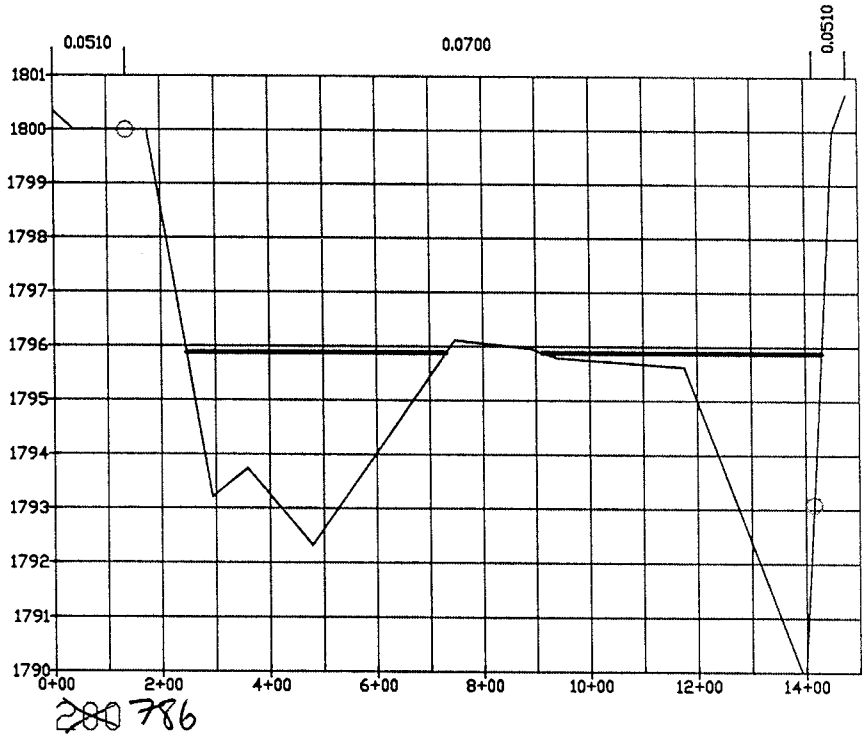
Cross-Section:	~~180~~ 784	
Elevation:	1754.28	ft MSL
Depth:	4.99	ft
Discharge:	8960.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.4295	
Flow Regime:	Subcritical	
Flow Area:	1645.99	sq ft
Average Velocity:	5.43	ft/s
Maximum Velocity:	5.65	ft/s
Composite n:	0.0639	
Hydraulic Radius:	2.53	ft
Wetted Perimeter:	651.32	ft
Wetted Top Width:	651.09	ft
Critical Slope:	0.0859	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~180~~ 784

Entellus™

File: T2N-K6W-S18W-FGTTOM-new-mapping.dwg Date: 9/13/02



Normal Depth Results

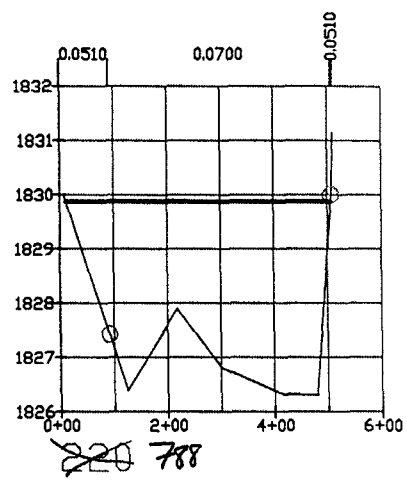
Cross-Section:	~~280~~ 786	
Elevation:	1795.88	ft MSL
Depth:	5.88	ft
Discharge:	8770.00	cfs
Energy Gradient:	0.0216	ft/ft
Froude Number:	0.3435	
Flow Regime:	Subcritical	
Flow Area:	1855.55	sq ft
Average Velocity:	4.73	ft/s
Maximum Velocity:	5.30	ft/s
Composite n:	0.0697	
Hydraulic Radius:	1.85	ft
Wetted Perimeter:	1004.13	ft
Wetted Top Width:	1003.41	ft
Critical Slope:	0.1827	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~280~~ 786

Entellus™

File: T2N-R6W-S18W-BOTTOM-new-mapping.dwg Date: 9/13/02



Normal Depth Results

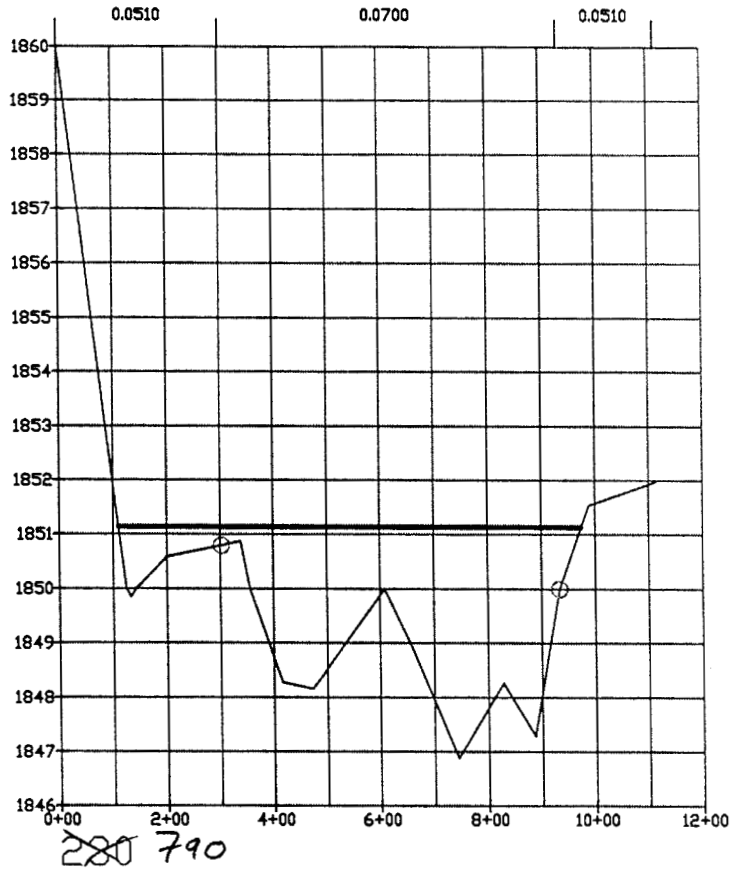
Cross-Section:	~~220~~ 788	
Elevation:	1829.88	ft MSL
Depth:	3.57	ft
Discharge:	8340.00	cfs
Energy Gradient:	0.0216	ft/ft
Froude Number:	0.5894	
Flow Regime:	Subcritical	
Flow Area:	1320.02	sq ft
Average Velocity:	6.31	ft/s
Maximum Velocity:	6.42	ft/s
Composite n:	0.0671	
Hydraulic Radius:	2.66	ft
Wetted Perimeter:	495.88	ft
Wetted Top Width:	495.56	ft
Critical Slope:	0.0631	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~220~~ 788

Entellus™

File: T2N-R6W-S18W-TOP-new-mapping.dwg; Date: 9/13/02



Normal Depth Results

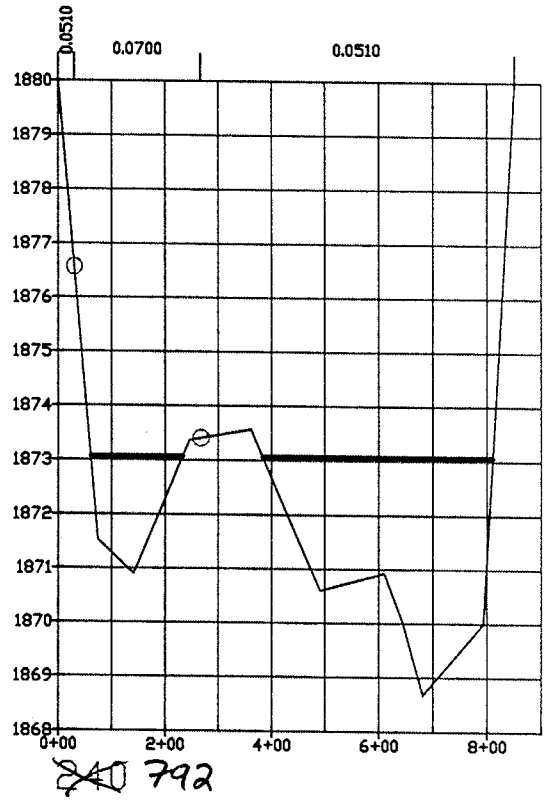
Cross-Section:	~~280~~ 790	
Elevation:	1851.14	ft MSL
Depth:	4.26	ft
Discharge:	9430.00	cfs
Energy Gradient:	0.0216	ft/ft
Froude Number:	0.4715	
Flow Regime:	Subcritical	
Flow Area:	1708.97	sq ft
Average Velocity:	5.50	ft/s
Maximum Velocity:	5.72	ft/s
Composite n:	0.0651	
Hydraulic Radius:	1.98	ft
Wetted Perimeter:	864.34	ft
Wetted Top Width:	864.08	ft
Critical Slope:	0.1055	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~280~~ 790

Entellus™

File: T2N-R6W-S18W-TOP-new-mapping.dwg, Date: 9/13/02



Normal Depth Results

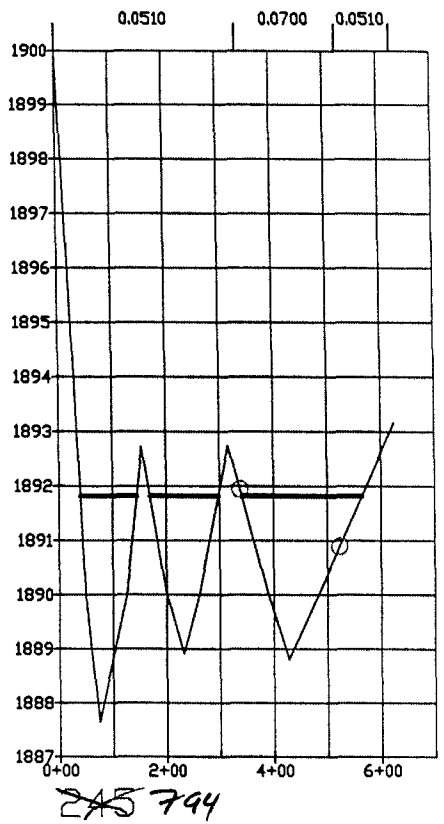
Cross-Section:	~~840~~ 792	
Elevation:	1873.07	ft MSL
Depth:	4.39	ft
Discharge:	9430.00	cfs
Energy Gradient:	0.0216	ft/ft
Froude Number:	0.605	
Flow Regime:	Subcritical	
Flow Area:	1311.37	sq ft
Average Velocity:	7.22	ft/s
Maximum Velocity:	7.95	ft/s
Composite n:	0.0567	
Hydraulic Radius:	2.19	ft
Wetted Perimeter:	599.71	ft
Wetted Top Width:	599.26	ft
Critical Slope:	0.0722	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~840~~ 792

Entellus™

File: T2N-R6W-S18W-TOP-new-mapping.dwg; Date: 9/13/02



Normal Depth Results

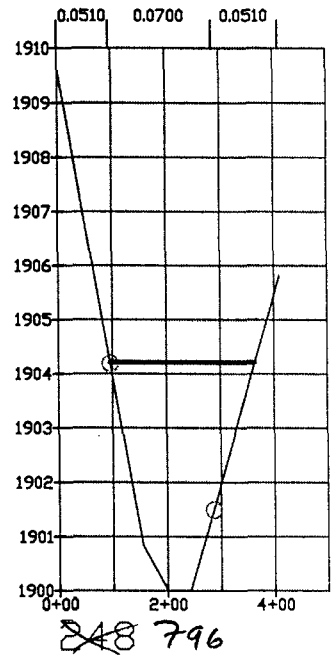
Cross-Section:	~~245~~ 794	
Elevation:	1891.82	ft MSL
Depth:	4.17	ft
Discharge:	4630.00	cfs
Energy Gradient:	0.0216	ft/ft
Froude Number:	0.4983	
Flow Regime:	Subcritical	
Flow Area:	802.16	sq ft
Average Velocity:	5.78	ft/s
Maximum Velocity:	6.75	ft/s
Composite n:	0.0589	
Hydraulic Radius:	1.76	ft
Wetted Perimeter:	456.89	ft
Wetted Top Width:	456.24	ft
Critical Slope:	0.099	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~245~~ 794

Entellus™

File: T2N-R6W-S18W-TOP-new-mapping.dwg, Date: 9/13/02



Normal Depth Results

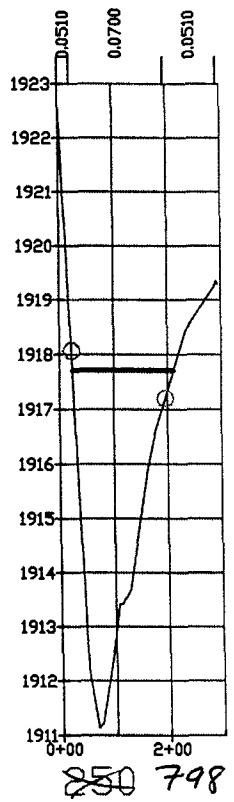
Cross-Section:	~~248~~ 796	
Elevation:	1904.21	ft MSL
Depth:	4.21	ft
Discharge:	4630.00	cfs
Energy Gradient:	0.0216	ft/ft
Froude Number:	0.5611	
Flow Regime:	Subcritical	
Flow Area:	708.49	sq ft
Average Velocity:	6.52	ft/s
Maximum Velocity:	6.74	ft/s
Composite n:	0.0647	
Hydraulic Radius:	2.63	ft
Wetted Perimeter:	269.22	ft
Wetted Top Width:	269.04	ft
Critical Slope:	0.0704	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~248~~ 796

Entellus™

File: T2N-R6W-S18W-TOP-new-mapping.dwg Date: 9/13/02



Normal Depth Results

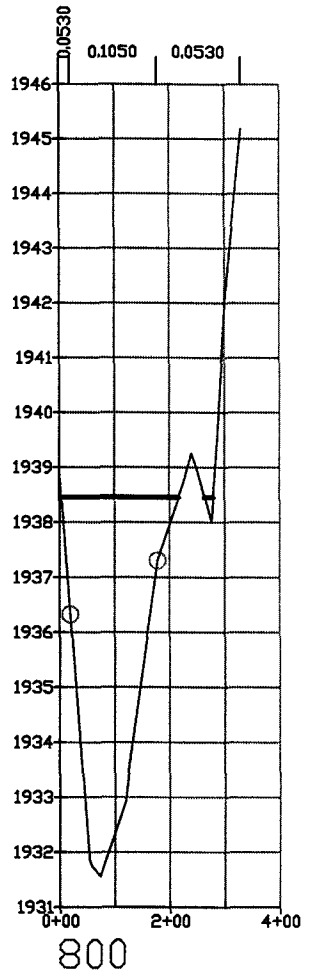
Cross-Section:	~~250~~ 798	
Elevation:	1917.71	ft MSL
Depth:	6.57	ft
Discharge:	4630.00	cfs
Energy Gradient:	0.0216	ft/ft
Froude Number:	0.5049	
Flow Regime:	Subcritical	
Flow Area:	630.52	sq ft
Average Velocity:	7.34	ft/s
Maximum Velocity:	7.38	ft/s
Composite n:	0.0685	
Hydraulic Radius:	3.34	ft
Wetted Perimeter:	188.66	ft
Wetted Top Width:	187.85	ft
Critical Slope:	0.0895	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~250~~ 798

Entellus™

File: T2N-R6W-S18W-Top.dwg Date: 9/13/02



Normal Depth Results

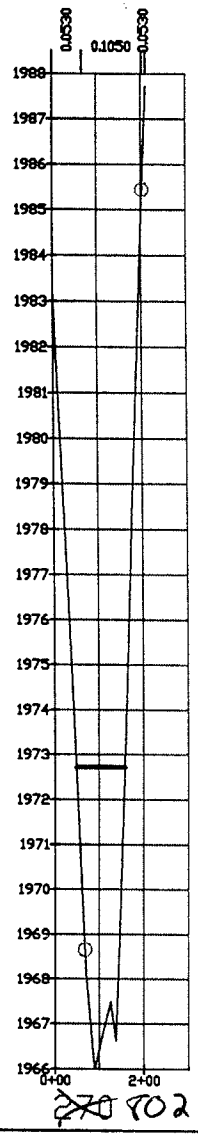
Cross-Section:	800	
Elevation:	1938.46	ft MSL
Depth:	6.90	ft
Discharge:	4630.00	cfs
Energy Gradient:	0.0216	ft/ft
Froude Number:	0.3873	
Flow Regime:	Subcritical	
Flow Area:	802.38	sq ft
Average Velocity:	5.77	ft/s
Maximum Velocity:	5.92	ft/s
Composite n:	0.0906	
Hydraulic Radius:	3.49	ft
Wetted Perimeter:	229.90	ft
Wetted Top Width:	229.23	ft
Critical Slope:	0.1551	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–800

Entellus™

File: T2N-R6W-S18W-TOP.dwg Date: 5/16/02



Normal Depth Results

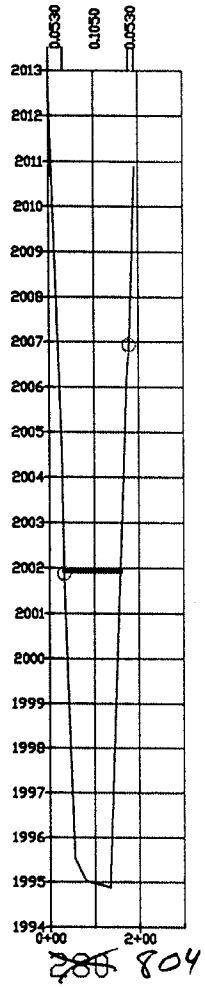
Cross-Section:	~~270~~ 802	
Elevation:	1972.72	ft MSL
Depth:	6.70	ft
Discharge:	4630.00	cfs
Energy Gradient:	0.0216	ft/ft
Froude Number:	0.6199	
Flow Regime:	Subcritical	
Flow Area:	508.49	sq ft
Average Velocity:	9.12	ft/s
Maximum Velocity:	9.31	ft/s
Composite n:	0.0668	
Hydraulic Radius:	4.58	ft
Wetted Perimeter:	110.91	ft
Wetted Top Width:	109.36	ft
Critical Slope:	0.057	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~270~~ 802

Entellus™

File: T2N-R6W-S18W-T2N.dwg Date: 9/13/02



Normal Depth Results

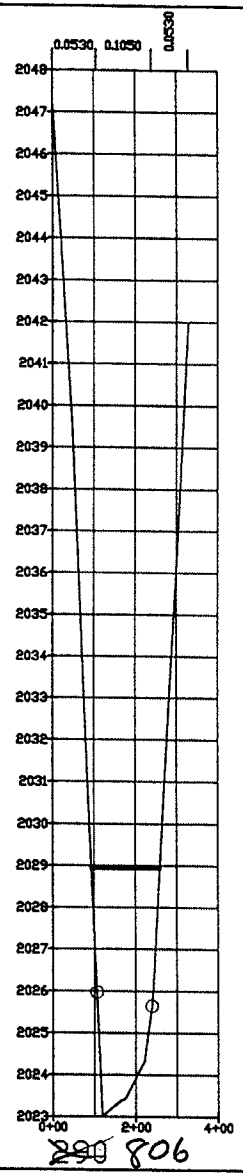
Cross-Section:	~~280~~ 804	
Elevation:	2001.93	ft MSL
Depth:	7.04	ft
Discharge:	4630.00	cfs
Energy Gradient:	0.0225	ft/ft
Froude Number:	0.4392	
Flow Regime:	Subcritical	
Flow Area:	700.21	sq ft
Average Velocity:	6.61	ft/s
Maximum Velocity:	6.61	ft/s
Composite n:	0.1049	
Hydraulic Radius:	5.46	ft
Wetted Perimeter:	128.16	ft
Wetted Top Width:	126.10	ft
Critical Slope:	0.1168	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~280~~ 804

Entellus™

File: T2N-R6W-S18W-TOP.dwg Date: 9/13/02



Normal Depth Results

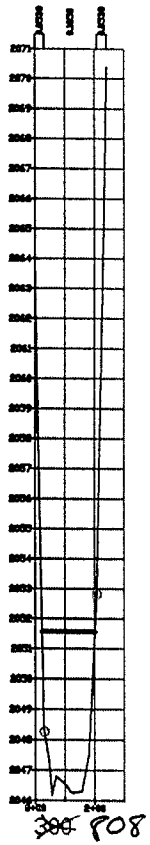
Cross-Section:	~~290~~ 806	
Elevation:	2028.95	ft MSL
Depth:	5.93	ft
Discharge:	4630.00	cfs
Energy Gradient:	0.0225	ft/ft
Froude Number:	0.4547	
Flow Regime:	Subcritical	
Flow Area:	736.93	sq ft
Average Velocity:	6.28	ft/s
Maximum Velocity:	6.32	ft/s
Composite n:	0.0958	
Hydraulic Radius:	4.42	ft
Wetted Perimeter:	166.90	ft
Wetted Top Width:	165.87	ft
Critical Slope:	0.109	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~290~~ 806

Entellus™

File: T2N-R6W-S18W.dwg Date: 9/25/02



Normal Depth Results

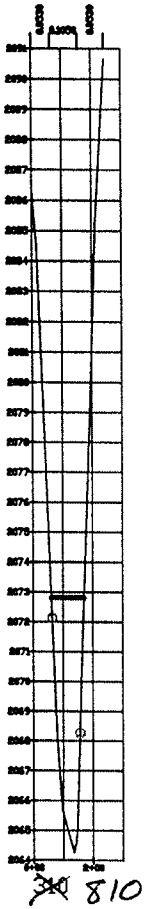
Cross-Section:	~~300~~ 808	
Elevation:	2051.57	ft MSL
Depth:	5.39	ft
Discharge:	4630.00	cfs
Energy Gradient:	0.0225	ft/ft
Froude Number:	0.4442	
Flow Regime:	Subcritical	
Flow Area:	791.46	sq ft
Average Velocity:	5.84	ft/s
Maximum Velocity:	6.30	ft/s
Composite n:	0.1028	
Hydraulic Radius:	4.4	ft
Wetted Perimeter:	179.68	ft
Wetted Top Width:	178.34	ft
Critical Slope:	0.1143	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~300~~ 808

Entellus™

File: T2N-R6W-S18W-T-Jr.dwg Date: 9/13/02



Normal Depth Results

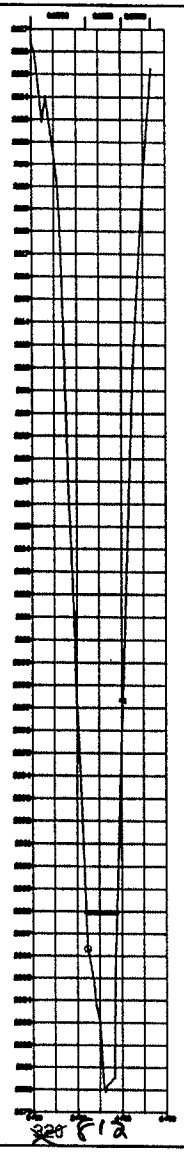
Cross-Section:	~~310~~ 810	
Elevation:	2072.81	ft MSL
Depth:	8.54	ft
Discharge:	4630.00	cfs
Energy Gradient:	0.0225	ft/ft
Froude Number:	0.44	
Flow Regime:	Subcritical	
Flow Area:	634.57	sq ft
Average Velocity:	7.30	ft/s
Maximum Velocity:	7.33	ft/s
Composite n:	0.0977	
Hydraulic Radius:	5.66	ft
Wetted Perimeter:	112.06	ft
Wetted Top Width:	109.99	ft
Critical Slope:	0.1172	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~310~~ 810

Entellus™

File: T2N-R6W-S18W-TYP.dwg Date: 9/13/02



Normal Depth Results

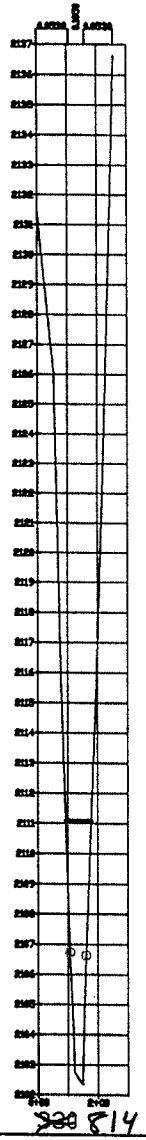
Cross-Section:	~~320~~ 812	
Elevation:	2087.95	ft MSL
Depth:	8.05	ft
Discharge:	4180.00	cfs
Energy Gradient:	0.0209	ft/ft
Froude Number:	0.3759	
Flow Regime:	Subcritical	
Flow Area:	690.64	sq ft
Average Velocity:	6.05	ft/s
Maximum Velocity:	6.07	ft/s
Composite n:	0.1027	
Hydraulic Radius:	4.87	ft
Wetted Perimeter:	141.68	ft
Wetted Top Width:	138.84	ft
Critical Slope:	0.1489	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~320~~ 812

Entellus™

File: T2N-R6W-S18W-T3P.dwg Date: 9/13/02



Normal Depth Results

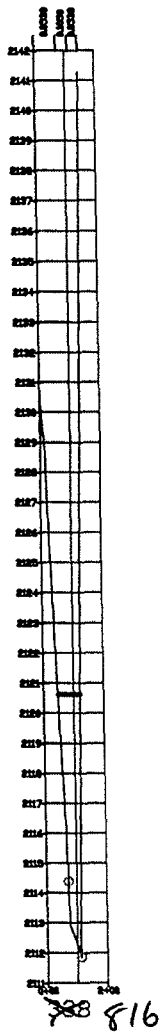
Cross-Section:	~~330~~ 814	
Elevation:	2111.09	ft MSL
Depth:	8.74	ft
Discharge:	3540.00	cfs
Energy Gradient:	0.0209	ft/ft
Froude Number:	0.4514	
Flow Regime:	Subcritical	
Flow Area:	467.58	sq ft
Average Velocity:	7.56	ft/s
Maximum Velocity:	7.71	ft/s
Composite n:	0.0874	
Hydraulic Radius:	5.35	ft
Wetted Perimeter:	87.34	ft
Wetted Top Width:	84.83	ft
Critical Slope:	0.1034	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~330~~ 814

Entellus™

File: T2N-R6W-S18W-TOP.dwg, Date: 9/13/02



Normal Depth Results

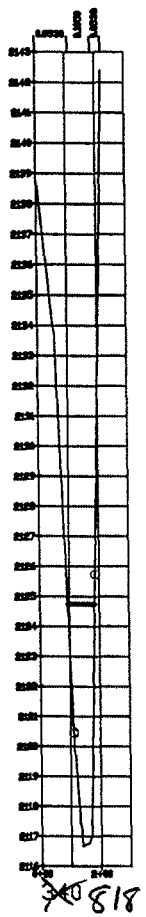
Cross-Section:	~~328~~ 816	
Elevation:	2120.63	ft MSL
Depth:	8.77	ft
Discharge:	3540.00	cfs
Energy Gradient:	0.0209	ft/ft
Froude Number:	0.4923	
Flow Regime:	Subcritical	
Flow Area:	428.09	sq ft
Average Velocity:	8.27	ft/s
Maximum Velocity:	8.95	ft/s
Composite n:	0.0812	
Hydraulic Radius:	5.5	ft
Wetted Perimeter:	77.87	ft
Wetted Top Width:	73.42	ft
Critical Slope:	0.0863	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~328~~ 816

Entellus™

File: T2N-R6W-S18W-TOP.dwg Date: 9/11/02



Normal Depth Results

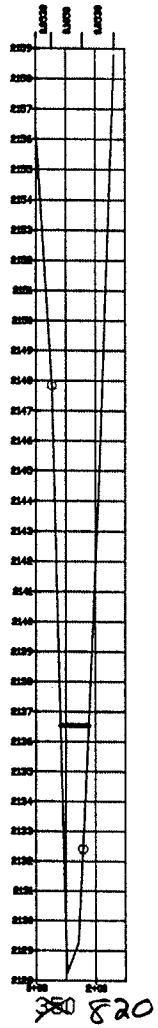
Cross-Section:	~~340~~ 818	
Elevation:	2124.75	ft MSL
Depth:	8.07	ft
Discharge:	3540.00	cfs
Energy Gradient:	0.0209	ft/ft
Froude Number:	0.4305	
Flow Regime:	Subcritical	
Flow Area:	510.22	sq ft
Average Velocity:	6.94	ft/s
Maximum Velocity:	6.96	ft/s
Composite n:	0.0961	
Hydraulic Radius:	5.44	ft
Wetted Perimeter:	93.71	ft
Wetted Top Width:	91.23	ft
Critical Slope:	0.1128	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~340~~ 818

Entellus™

File: T2N-R6W-S18W-TOP.dwg Date: 9/13/02



Normal Depth Results

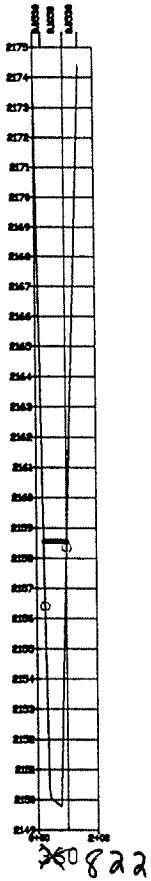
Cross-Section:	~~350~~ 820	
Elevation:	2136.55	ft MSL
Depth:	8.28	ft
Discharge:	3540.00	cfs
Energy Gradient:	0.0209	ft/ft
Froude Number:	0.4211	
Flow Regime:	Subcritical	
Flow Area:	514.95	sq ft
Average Velocity:	6.88	ft/s
Maximum Velocity:	6.90	ft/s
Composite n:	0.0957	
Hydraulic Radius:	5.35	ft
Wetted Perimeter:	96.30	ft
Wetted Top Width:	93.96	ft
Critical Slope:	0.1177	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~350~~ 820

Entellus™

File: T2N-R6W-S18W-T3P.dwg Date: 9/13/02



Normal Depth Results

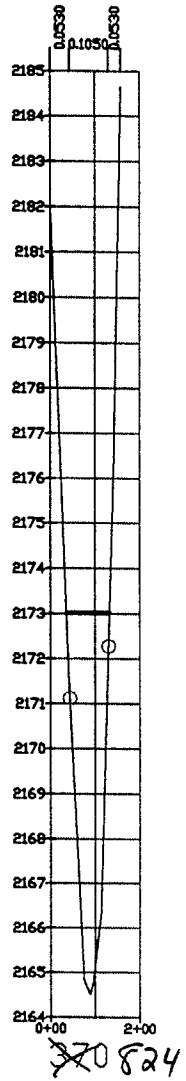
Cross-Section:	~~360~~ 822	
Elevation:	2158.57	ft MSL
Depth:	8.79	ft
Discharge:	3540.00	cfs
Energy Gradient:	0.0209	ft/ft
Froude Number:	0.4232	
Flow Regime:	Subcritical	
Flow Area:	497.30	sq ft
Average Velocity:	7.12	ft/s
Maximum Velocity:	7.14	ft/s
Composite n:	0.1023	
Hydraulic Radius:	6.17	ft
Wetted Perimeter:	80.63	ft
Wetted Top Width:	76.82	ft
Critical Slope:	0.118	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~360~~ 822

Entellus™

File: T2N-R6W-S18W-Typ.dwg Date: 9/13/02



Normal Depth Results

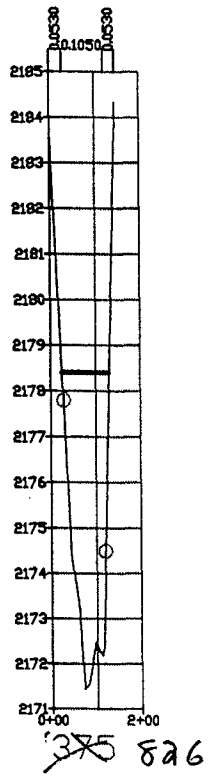
Cross-Section:	~~370~~ 824	
Elevation:	2173.02	ft MSL
Depth:	8.50	ft
Discharge:	3540.00	cfs
Energy Gradient:	0.0209	ft/ft
Froude Number:	0.4027	
Flow Regime:	Subcritical	
Flow Area:	531.51	sq ft
Average Velocity:	6.67	ft/s
Maximum Velocity:	6.71	ft/s
Composite n:	0.1002	
Hydraulic Radius:	5.38	ft
Wetted Perimeter:	98.71	ft
Wetted Top Width:	96.67	ft
Critical Slope:	0.1311	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~370~~ 824

Entellus™

File: T2N-R6W-S18W-Typ.dwg Date: 9/13/02



Normal Depth Results

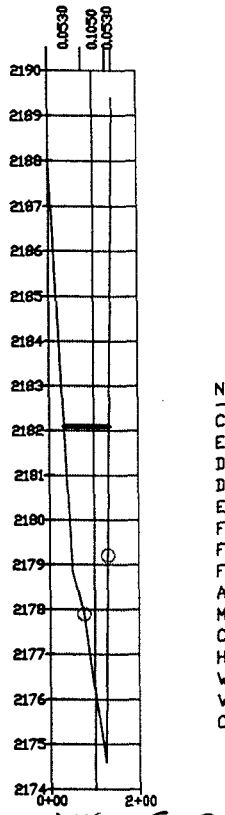
Cross-Section:	~~375~~ 826	
Elevation:	2178.41	ft MSL
Depth:	6.97	ft
Discharge:	3540.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.4708	
Flow Regime:	Subcritical	
Flow Area:	502.07	sq ft
Average Velocity:	7.04	ft/s
Maximum Velocity:	7.05	ft/s
Composite n:	0.0991	
Hydraulic Radius:	4.7	ft
Wetted Perimeter:	106.89	ft
Wetted Top Width:	104.99	ft
Critical Slope:	0.1261	ft/ft

File: T2N-R6W-S18W-TOP.dwg Date: 9/13/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~375~~ 826

Entellus™



~~376~~ 828

Normal Depth Results

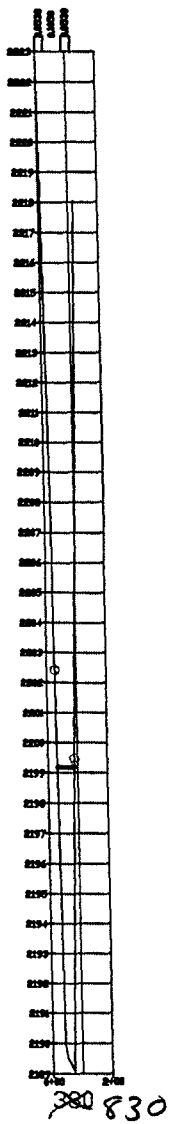
Cross-Section:	~~376~~ 828	
Elevation:	2182.10	ft MSL
Depth:	7.49	ft
Discharge:	3540.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.5112	
Flow Regime:	Subcritical	
Flow Area:	445.98	sq ft
Average Velocity:	7.94	ft/s
Maximum Velocity:	9.33	ft/s
Composite n:	0.0831	
Hydraulic Radius:	4.26	ft
Wetted Perimeter:	104.73	ft
Wetted Top Width:	101.81	ft
Critical Slope:	0.1087	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~376~~ 828

Entellus™

File: T2N-R6W-S18W-TOP.dwg Date: 9/13/02



Normal Depth Results

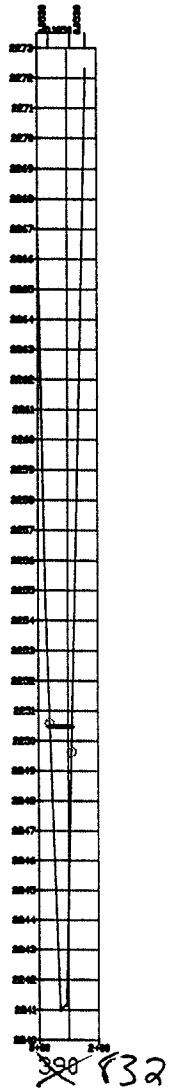
Cross-Section:	~~380~~ 830	
Elevation:	2199.19	ft MSL
Depth:	10.11	ft
Discharge:	3540.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.4632	
Flow Regime:	Subcritical	
Flow Area:	423.67	sq ft
Average Velocity:	8.36	ft/s
Maximum Velocity:	8.36	ft/s
Composite n:	0.105	
Hydraulic Radius:	6.68	ft
Wetted Perimeter:	63.39	ft
Wetted Top Width:	57.28	ft
Critical Slope:	0.1283	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~380~~ 830

Entellus™

File: T2N-R6W-S18W-TOP.dwg Date: 9/13/02



Normal Depth Results

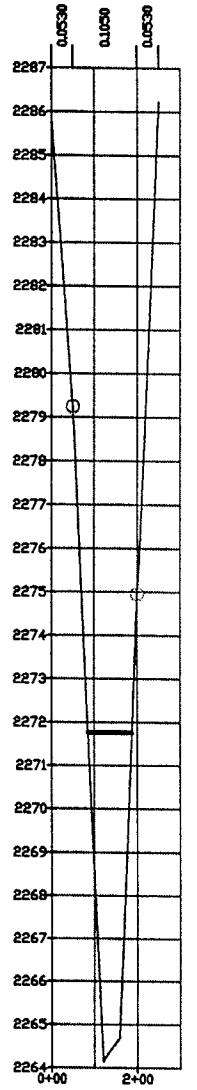
Cross-Section:	~~390~~ 832	
Elevation:	2250.49	ft MSL
Depth:	9.52	ft
Discharge:	3540.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.4428	
Flow Regime:	Subcritical	
Flow Area:	456.83	sq ft
Average Velocity:	7.74	ft/s
Maximum Velocity:	7.75	ft/s
Composite n:	0.1038	
Hydraulic Radius:	5.81	ft
Wetted Perimeter:	78.65	ft
Wetted Top Width:	75.30	ft
Critical Slope:	0.1422	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~390~~ 832

Entellus™

File: T2N-R6W-S18W-T0P.dwg Date: 9/13/02



~~400~~ 834

Normal Depth Results

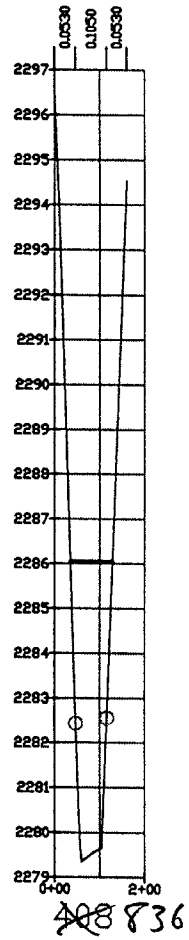
Cross-Section:	~~400~~ 834	
Elevation:	2271.77	ft MSL
Depth:	7.62	ft
Discharge:	3540.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.4377	
Flow Regime:	Subcritical	
Flow Area:	516.56	sq ft
Average Velocity:	6.86	ft/s
Maximum Velocity:	6.86	ft/s
Composite n:	0.105	
Hydraulic Radius:	4.97	ft
Wetted Perimeter:	104.03	ft
Wetted Top Width:	102.36	ft
Critical Slope:	0.1436	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~400~~ 834

Entellus™

File: T2N-R6W-S18W-Top.dwg Date: 9/30/02



Normal Depth Results

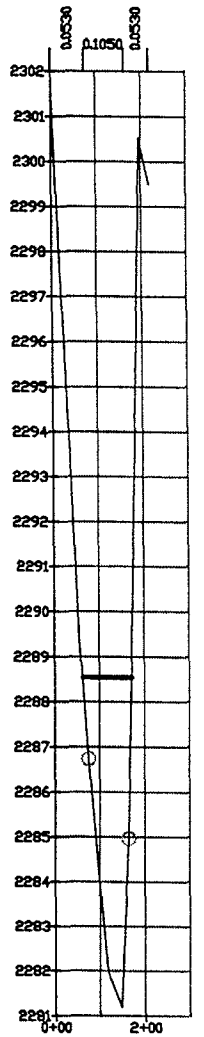
Cross-Section:	~~408~~ 836	
Elevation:	2286.04	ft MSL
Depth:	6.69	ft
Discharge:	3540.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.5218	
Flow Regime:	Subcritical	
Flow Area:	462.27	sq ft
Average Velocity:	7.66	ft/s
Maximum Velocity:	7.76	ft/s
Composite n:	0.0926	
Hydraulic Radius:	4.84	ft
Wetted Perimeter:	95.53	ft
Wetted Top Width:	93.77	ft
Critical Slope:	0.1018	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~408~~ 836

Entellus™

File: T2N-R6W-S18W-T9P.dwg Date: 9/13/02



~~410~~ 838

Normal Depth Results

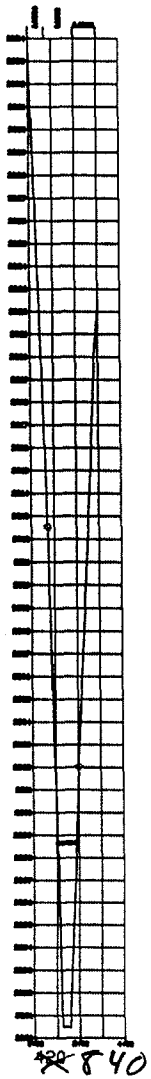
Cross-Section:	~~410~~ 838	
Elevation:	2288.55	ft MSL
Depth:	7.35	ft
Discharge:	3540.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.4616	
Flow Regime:	Subcritical	
Flow Area:	498.67	sq ft
Average Velocity:	7.10	ft/s
Maximum Velocity:	7.19	ft/s
Composite n:	0.096	
Hydraulic Radius:	4.51	ft
Wetted Perimeter:	110.54	ft
Wetted Top Width:	108.85	ft
Critical Slope:	0.1318	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~410~~ 838

Entellus™

File: T2N-R6W-S18W-T-P.dwg Date: 9/15/02



Normal Depth Results

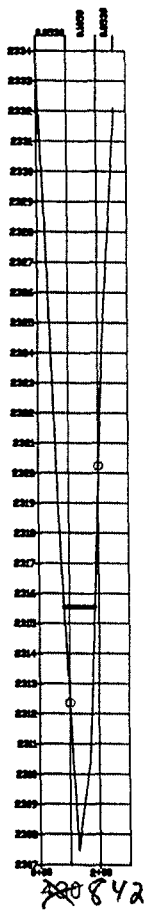
Cross-Section:	~~420~~ 840	
Elevation:	2298.67	ft MSL
Depth:	8.20	ft
Discharge:	3540.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.4549	
Flow Regime:	Subcritical	
Flow Area:	479.04	sq ft
Average Velocity:	7.40	ft/s
Maximum Velocity:	7.40	ft/s
Composite n:	0.105	
Hydraulic Radius:	5.56	ft
Wetted Perimeter:	86.21	ft
Wetted Top Width:	83.51	ft
Critical Slope:	0.1331	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~420~~ 840

Entellus™

File: T2N-R6W-S18W-Typ.dwg Date: 9/13/02



Normal Depth Results

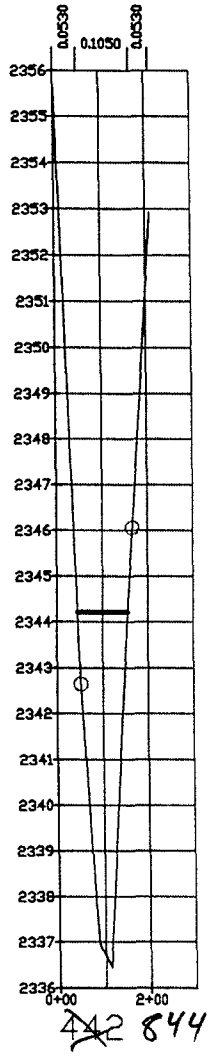
Cross-Section:	~~430~~ 842	
Elevation:	2315.55	ft MSL
Depth:	8.06	ft
Discharge:	3540.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.4444	
Flow Regime:	Subcritical	
Flow Area:	494.58	sq ft
Average Velocity:	7.16	ft/s
Maximum Velocity:	7.21	ft/s
Composite n:	0.0969	
Hydraulic Radius:	4.69	ft
Wetted Perimeter:	105.43	ft
Wetted Top Width:	103.89	ft
Critical Slope:	0.1399	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~430~~ 842

Entellus™

File: T2N-R6W-S18W-T3P.dwg Date: 9/13/02



Normal Depth Results

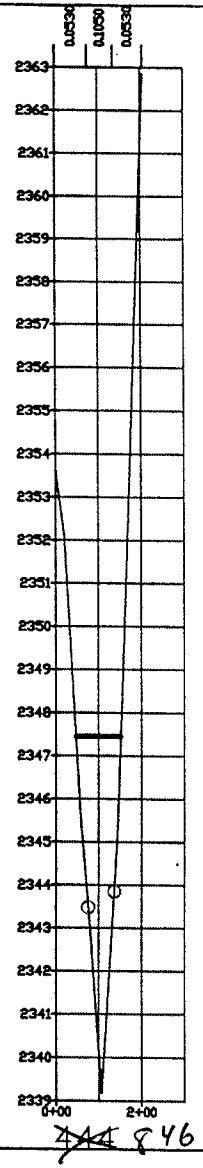
Cross-Section:	~~442~~ 844	
Elevation:	2344.21	ft MSL
Depth:	7.76	ft
Discharge:	3540.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.4289	
Flow Regime:	Subcritical	
Flow Area:	522.32	sq ft
Average Velocity:	6.79	ft/s
Maximum Velocity:	6.81	ft/s
Composite n:	0.1024	
Hydraulic Radius:	4.68	ft
Wetted Perimeter:	111.66	ft
Wetted Top Width:	110.32	ft
Critical Slope:	0.1508	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~442~~ 844

Entellus™

File: T2N-R6W-S18W.dwg Date: 9/25/02



Normal Depth Results

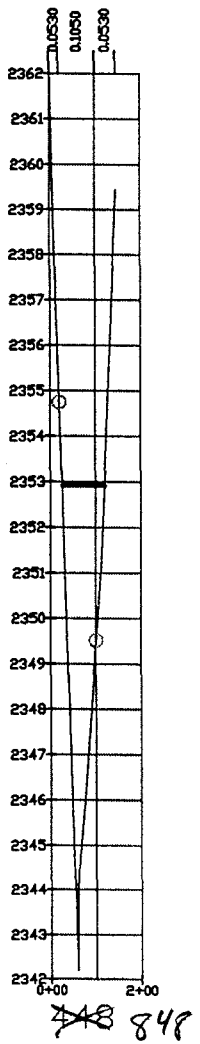
Cross-Section:	~~444~~ 846	
Elevation:	2347.46	ft MSL
Depth:	8.28	ft
Discharge:	3540.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.4719	
Flow Regime:	Subcritical	
Flow Area:	459.60	sq ft
Average Velocity:	7.71	ft/s
Maximum Velocity:	7.75	ft/s
Composite n:	0.0851	
Hydraulic Radius:	4.32	ft
Wetted Perimeter:	106.43	ft
Wetted Top Width:	105.05	ft
Critical Slope:	0.1236	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~444~~ 846

Entellus™

File: T2N-R6W-S18W-TOP.dwg Date: 9/13/02



Normal Depth Results

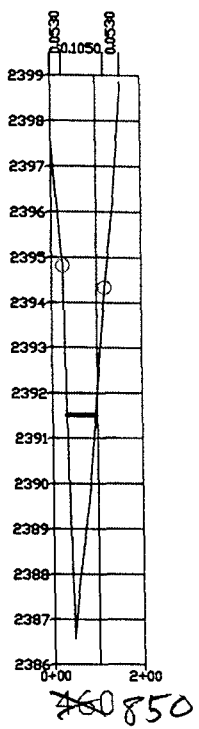
Cross-Section:	~~748~~ 848	
Elevation:	2352.93	ft MSL
Depth:	10.73	ft
Discharge:	3540.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.4002	
Flow Regime:	Subcritical	
Flow Area:	476.15	sq ft
Average Velocity:	7.42	ft/s
Maximum Velocity:	7.44	ft/s
Composite n:	0.0958	
Hydraulic Radius:	4.87	ft
Wetted Perimeter:	97.70	ft
Wetted Top Width:	93.98	ft
Critical Slope:	0.1729	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~748~~ 848

Entellus™

File: T2N-R6W-S18W-T-Jr.dwg Date: 9/13/02



Normal Depth Results

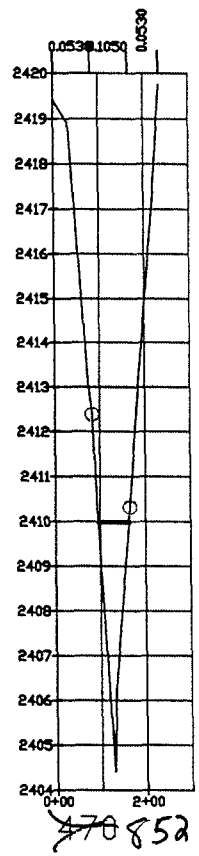
Cross-Section:	~~760~~ 850	
Elevation:	2391.52	ft MSL
Depth:	4.94	ft
Discharge:	720.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.3486	
Flow Regime:	Subcritical	
Flow Area:	163.79	sq ft
Average Velocity:	4.38	ft/s
Maximum Velocity:	4.38	ft/s
Composite n:	0.105	
Hydraulic Radius:	2.54	ft
Wetted Perimeter:	64.58	ft
Wetted Top Width:	63.45	ft
Critical Slope:	0.2281	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~780~~ 850

Entellus™

File: T2N-R6W-S18W-T3.dwg Date: 9/13/02



Normal Depth Results

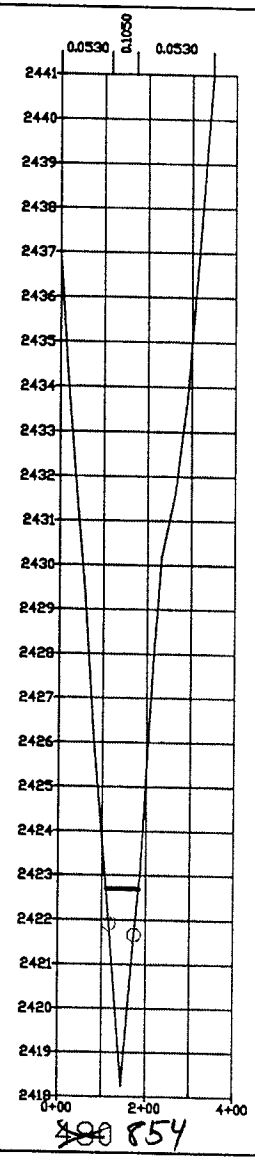
Cross-Section:	~~470~~ 852	
Elevation:	2409.98	ft MSL
Depth:	5.56	ft
Discharge:	720.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.3178	
Flow Regime:	Subcritical	
Flow Area:	169.37	sq ft
Average Velocity:	4.26	ft/s
Maximum Velocity:	4.26	ft/s
Composite n:	0.105	
Hydraulic Radius:	2.43	ft
Wetted Perimeter:	69.71	ft
Wetted Top Width:	68.62	ft
Critical Slope:	0.272	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~470~~ 852

Entellus™

File: T2N-R6W-S18W-T3P.dwg Date: 9/13/02



Normal Depth Results

Cross-Section:	~~480~~ 854	
Elevation:	2422.70	ft MSL
Depth:	4.46	ft
Discharge:	720.00	cfs
Energy Gradient:	0.0276	ft/ft
Froude Number:	0.3724	
Flow Regime:	Subcritical	
Flow Area:	161.32	sq ft
Average Velocity:	4.45	ft/s
Maximum Velocity:	4.53	ft/s
Composite n:	0.0945	
Hydraulic Radius:	2.16	ft
Wetted Perimeter:	74.64	ft
Wetted Top Width:	74.10	ft
Critical Slope:	0.2066	ft/ft

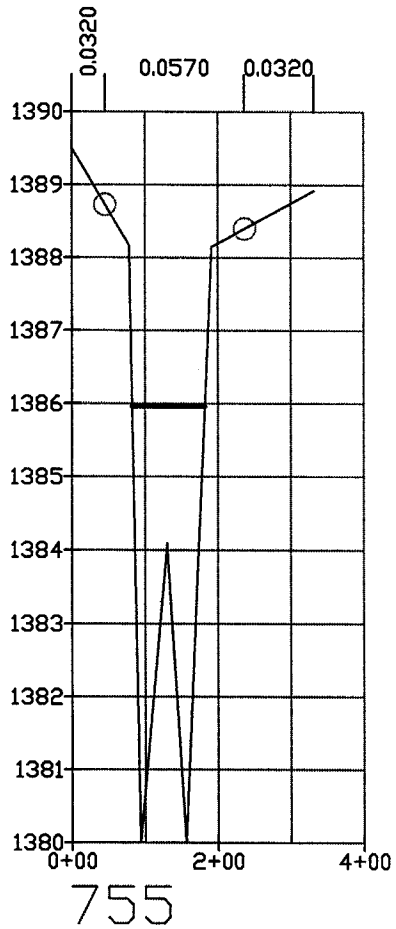
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S18W–~~480~~ 854

Entellus™

File: T2N-R6W-S18W-TOP.dwg Date: 9/17/02

T2N-R6W-S19



Normal Depth Results

Cross-Section:	755	
Elevation:	1385.97	ft MSL
Depth:	5.97	ft
Discharge:	2450.00	cfs
Energy Gradient:	0.0132	ft/ft
Froude Number:	0.4974	
Flow Regime:	Subcritical	
Flow Area:	355.49	sq ft
Average Velocity:	6.89	ft/s
Maximum Velocity:	6.89	ft/s
Composite n:	0.057	
Hydraulic Radius:	3.48	ft
Wetted Perimeter:	102.27	ft
Wetted Top Width:	99.56	ft
Critical Slope:	0.0533	ft/ft

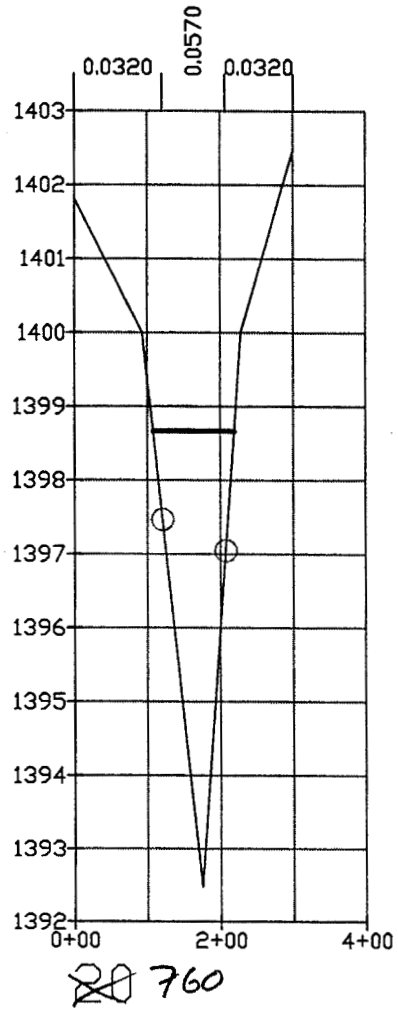
NOT USED IN DELINEATION

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2– Wash: T2N–R6W–S19–755

Entellus™

File: T2N-R6W-S19-New-Mapping.dwg Date: 5/16/02



Normal Depth Results

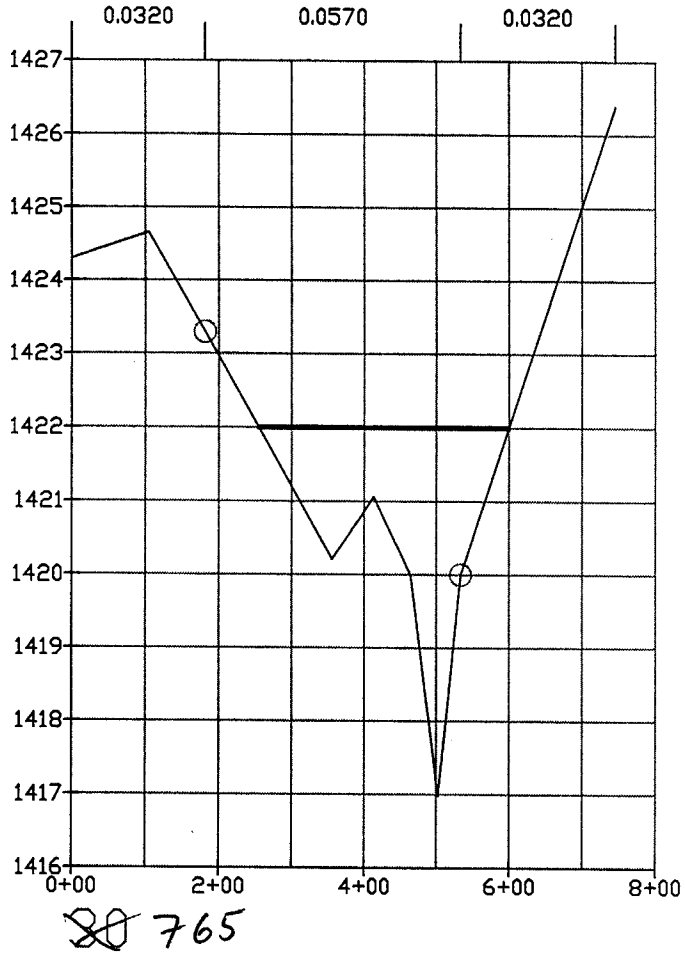
Cross-Section:	~~20~~ 760	
Elevation:	1398.67	ft MSL
Depth:	6.19	ft
Discharge:	2450.00	cfs
Energy Gradient:	0.0132	ft/ft
Froude Number:	0.5045	
Flow Regime:	Subcritical	
Flow Area:	344.16	sq ft
Average Velocity:	7.10	ft/s
Maximum Velocity:	7.25	ft/s
Composite n:	0.052	
Hydraulic Radius:	3.07	ft
Wetted Perimeter:	111.93	ft
Wetted Top Width:	111.22	ft
Critical Slope:	0.0543	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2– Wash: T2N–R6W–S19–~~20~~ 760

Entellus™

File: T2N-R6W-S19-New-Mapping.dwg Date: 9/17/02



Normal Depth Results

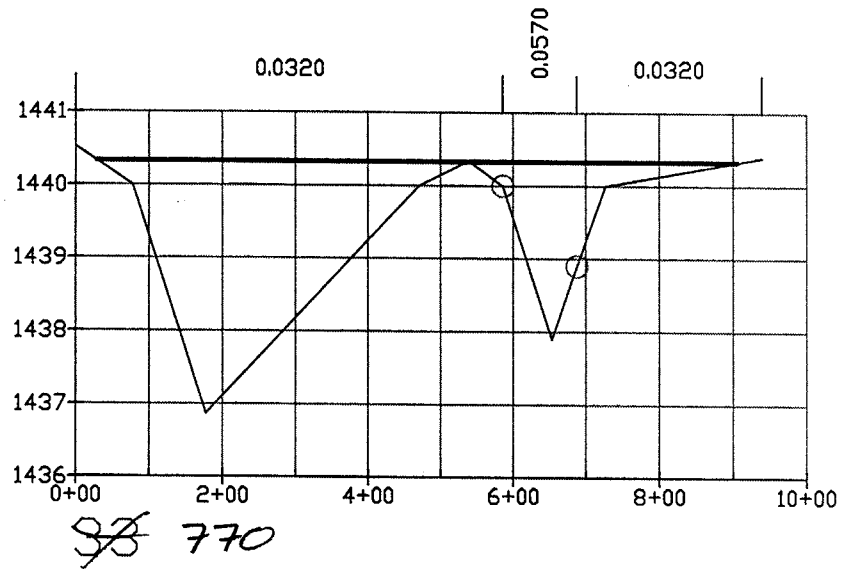
Cross-Section:	~~80~~ 765	
Elevation:	1422.00	ft MSL
Depth:	5.02	ft
Discharge:	2450.00	cfs
Energy Gradient:	0.0132	ft/ft
Froude Number:	0.3496	
Flow Regime:	Subcritical	
Flow Area:	551.51	sq ft
Average Velocity:	4.47	ft/s
Maximum Velocity:	5.34	ft/s
Composite n:	0.0526	
Hydraulic Radius:	1.6	ft
Wetted Perimeter:	344.91	ft
Wetted Top Width:	344.58	ft
Critical Slope:	0.1078	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2– Wash: T2N–R6W–S19–~~80~~ 765

Entellus™

File: T2N-R6W-S19-New-Mapping.dwg Date: 9/17/02



Normal Depth Results

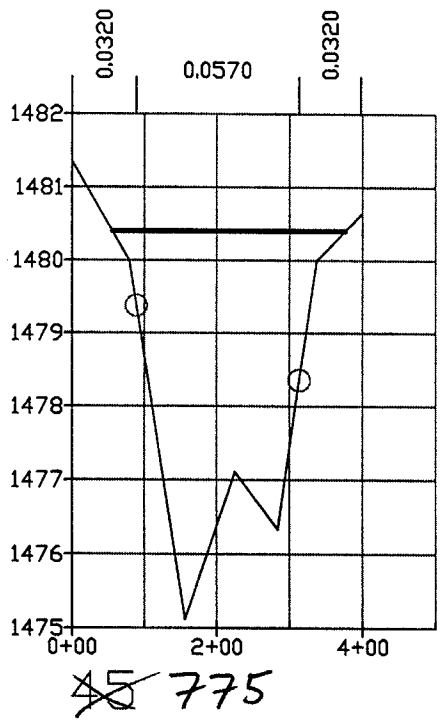
Cross-Section:	~~33~~ 770	
Elevation:	1440.33	ft MSL
Depth:	3.46	ft
Discharge:	5910.00	cfs
Energy Gradient:	0.0132	ft/ft
Froude Number:	0.5648	
Flow Regime:	Subcritical	
Flow Area:	991.95	sq ft
Average Velocity:	5.97	ft/s
Maximum Velocity:	6.67	ft/s
Composite n:	0.0353	
Hydraulic Radius:	1.14	ft
Wetted Perimeter:	872.24	ft
Wetted Top Width:	872.11	ft
Critical Slope:	0.0527	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2– Wash: T2N–R6W–S19–~~33~~ 770

Entellus™

File: T2N-R6W-S19-New-Mapping.dwg Date: 9/17/02



Normal Depth Results

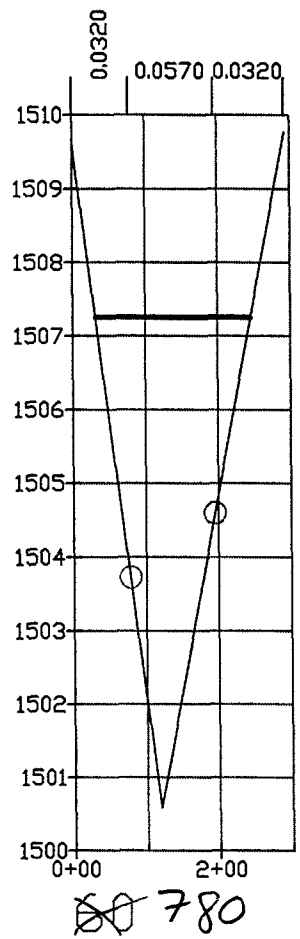
Cross-Section:	~~45~~ 775	
Elevation:	1480.40	ft MSL
Depth:	5.28	ft
Discharge:	5910.00	cfs
Energy Gradient:	0.0132	ft/ft
Froude Number:	0.5257	
Flow Regime:	Subcritical	
Flow Area:	862.17	sq ft
Average Velocity:	6.88	ft/s
Maximum Velocity:	7.08	ft/s
Composite n:	0.0501	
Hydraulic Radius:	2.69	ft
Wetted Perimeter:	320.66	ft
Wetted Top Width:	320.34	ft
Critical Slope:	0.0515	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2– Wash: T2N–R6W–S19–~~45~~ 775

Entellus™

File: T2N-R6W-S19-New-Mapping.dwg Date: 9/17/02



Normal Depth Results

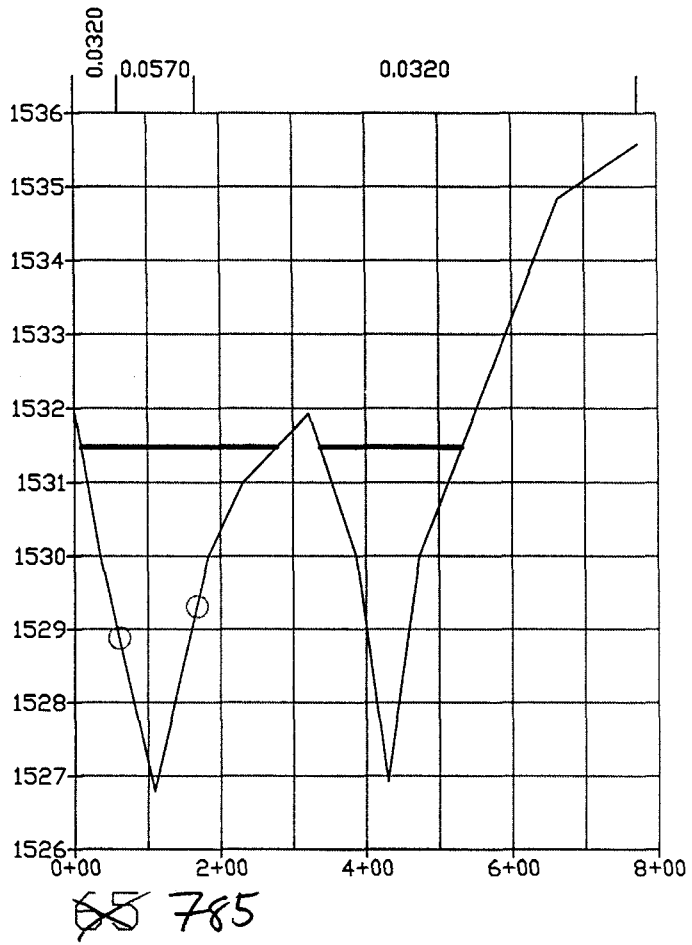
Cross-Section:	~~60~~ 780	
Elevation:	1507.26	ft MSL
Depth:	6.67	ft
Discharge:	5910.00	cfs
Energy Gradient:	0.0132	ft/ft
Froude Number:	0.5655	
Flow Regime:	Subcritical	
Flow Area:	713.50	sq ft
Average Velocity:	8.27	ft/s
Maximum Velocity:	8.55	ft/s
Composite n:	0.0465	
Hydraulic Radius:	3.33	ft
Wetted Perimeter:	214.49	ft
Wetted Top Width:	214.06	ft
Critical Slope:	0.0421	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2– Wash: T2N–R6W–S19–~~80~~ 780

Entellus™

File: T2N-R6W-S19-New-Mapping.dwg Date: 9/17/02



Normal Depth Results

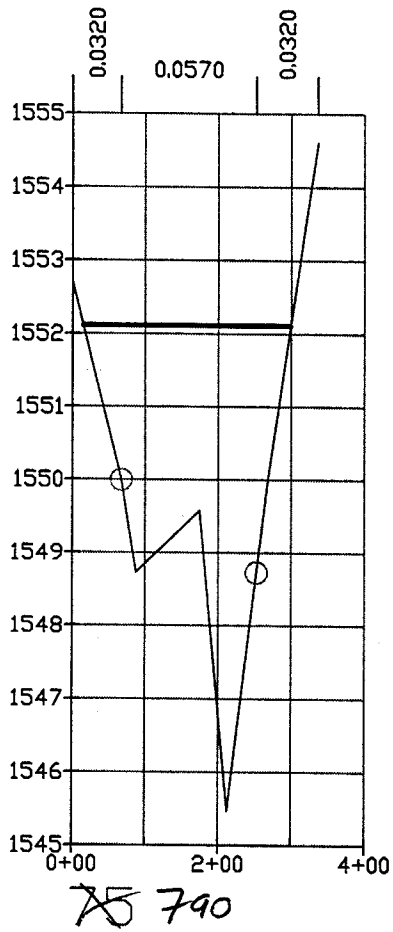
Cross-Section:	~~65~~ 785	
Elevation:	1531.48	ft MSL
Depth:	4.69	ft
Discharge:	5910.00	cfs
Energy Gradient:	0.0132	ft/ft
Froude Number:	0.5512	
Flow Regime:	Subcritical	
Flow Area:	873.17	sq ft
Average Velocity:	6.79	ft/s
Maximum Velocity:	6.95	ft/s
Composite n:	0.0384	
Hydraulic Radius:	1.88	ft
Wetted Perimeter:	463.58	ft
Wetted Top Width:	463.13	ft
Critical Slope:	0.0431	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2– Wash: T2N–R6W–S19–~~65~~ 785

Entellus™

File: T2N-R6W-S19-New-Mapping.dwg Date: 9/17/02



Normal Depth Results

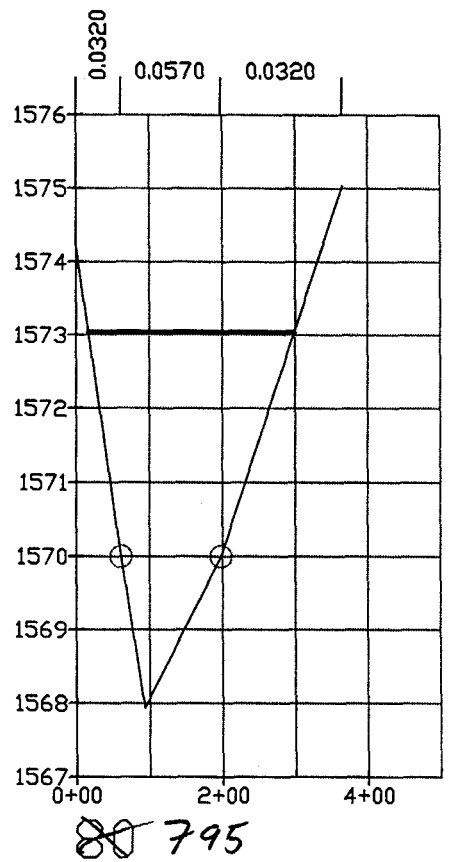
Cross-Section:	~~75~~ 790	
Elevation:	1552.11	ft MSL
Depth:	6.64	ft
Discharge:	5830.00	cfs
Energy Gradient:	0.0132	ft/ft
Froude Number:	0.4855	
Flow Regime:	Subcritical	
Flow Area:	821.19	sq ft
Average Velocity:	7.10	ft/s
Maximum Velocity:	7.36	ft/s
Composite n:	0.049	
Hydraulic Radius:	2.88	ft
Wetted Perimeter:	285.45	ft
Wetted Top Width:	284.89	ft
Critical Slope:	0.0566	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2– Wash: T2N–R6W–S19–~~75~~ 790

Entellus™

File: T2N-R6W-S19-New-Mapping.dwg Date: 9/17/02



Normal Depth Results

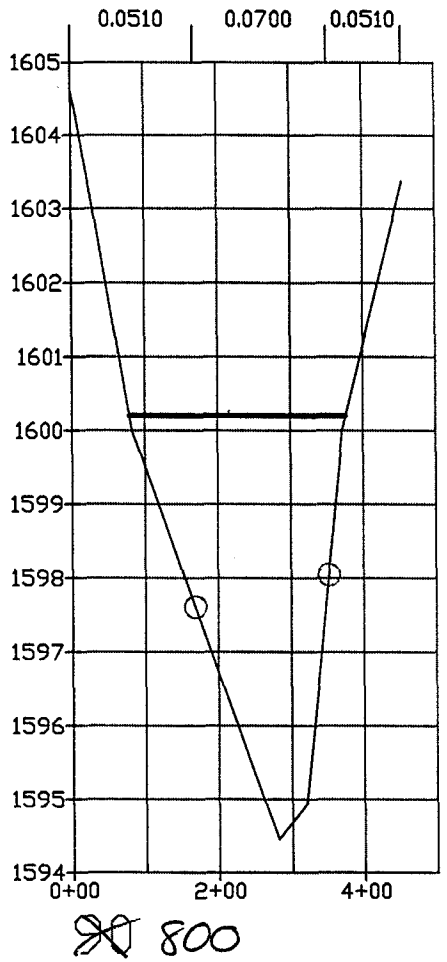
Cross-Section:	~~80~~ 795	
Elevation:	1573.04	ft MSL
Depth:	5.10	ft
Discharge:	5830.00	cfs
Energy Gradient:	0.0132	ft/ft
Froude Number:	0.5846	
Flow Regime:	Subcritical	
Flow Area:	778.25	sq ft
Average Velocity:	7.49	ft/s
Maximum Velocity:	7.66	ft/s
Composite n:	0.045	
Hydraulic Radius:	2.76	ft
Wetted Perimeter:	282.23	ft
Wetted Top Width:	282.00	ft
Critical Slope:	0.0387	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2-' Wash: T2N-R6W-S19-~~80~~ 795

Entellus™

File: T2N-R6W-S19-New-Mapping.dwg Date: 9/17/02



Normal Depth Results

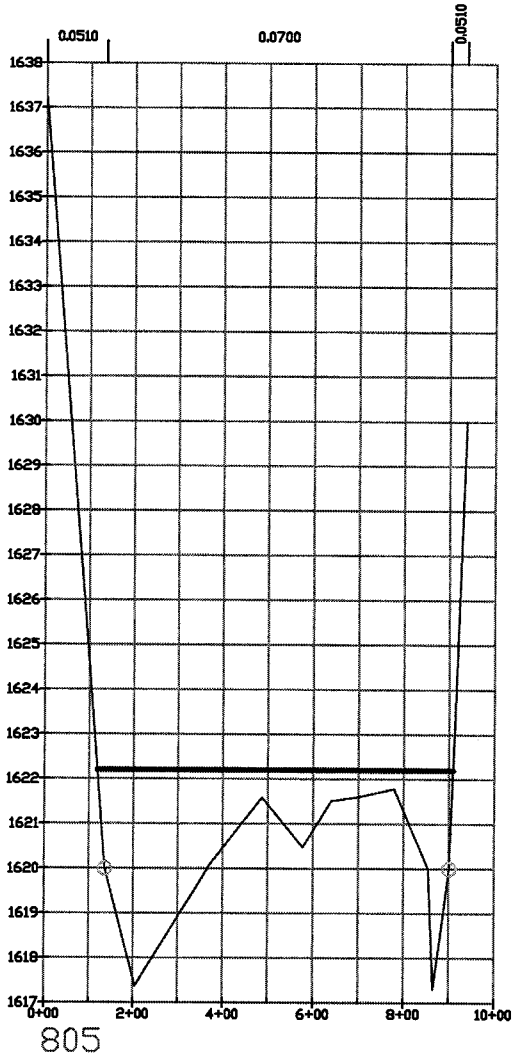
Cross-Section:	~~90~~ 800	
Elevation:	1600.20	ft MSL
Depth:	5.74	ft
Discharge:	5830.00	cfs
Energy Gradient:	0.0132	ft/ft
Froude Number:	0.4536	
Flow Regime:	Subcritical	
Flow Area:	945.40	sq ft
Average Velocity:	6.14	ft/s
Maximum Velocity:	6.54	ft/s
Composite n:	0.063	
Hydraulic Radius:	3.18	ft
Wetted Perimeter:	297.36	ft
Wetted Top Width:	297.02	ft
Critical Slope:	0.0708	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2– Wash: T2N–R6W–S19–~~90~~ 800

Entellus™

File: T2N-R6W-S19-New-Mapping.dwg Date: 9/17/02



Normal Depth Results

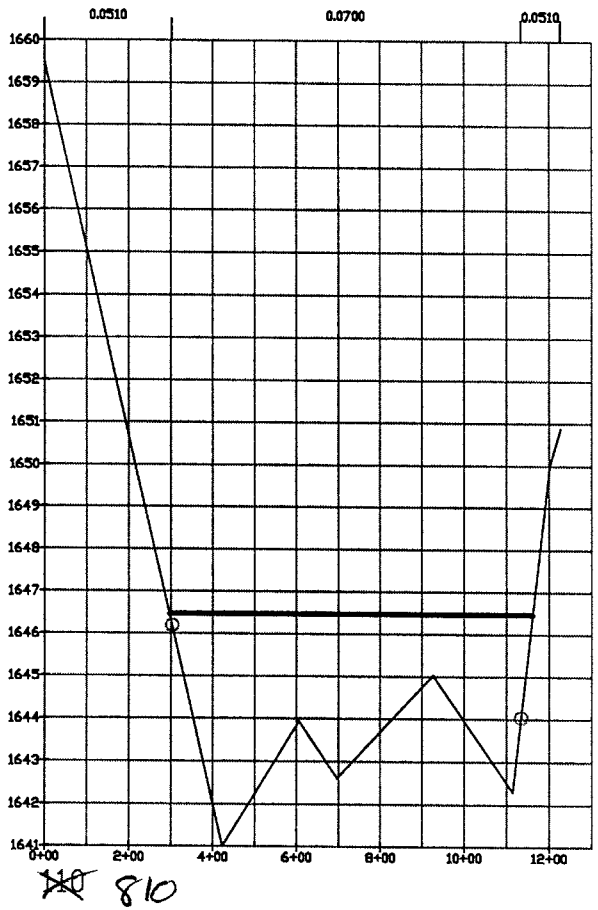
Cross-Section:	805	
Elevation:	1622.20	ft MSL
Depth:	4.89	ft
Discharge:	5830.00	cfs
Energy Gradient:	0.0132	ft/ft
Froude Number:	0.304	
Flow Regime:	Subcritical	
Flow Area:	1528.32	sq ft
Average Velocity:	3.83	ft/s
Maximum Velocity:	3.83	ft/s
Composite n:	0.0694	
Hydraulic Radius:	1.93	ft
Wetted Perimeter:	791.12	ft
Wetted Top Width:	790.15	ft
Critical Slope:	0.142	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2– Wash: T2N–R6W–S19–805

Entellus™

File: T2N-R6W-S19-New-Mapping.dwg Date: 5/21/03



Normal Depth Results

Cross-Section:	~~110~~ 810	
Elevation:	1646.48	ft MSL
Depth:	5.48	ft
Discharge:	13450.00	cfs
Energy Gradient:	0.0132	ft/ft
Froude Number:	0.3886	
Flow Regime:	Subcritical	
Flow Area:	2607.03	sq ft
Average Velocity:	5.17	ft/s
Maximum Velocity:	5.19	ft/s
Composite n:	0.0693	
Hydraulic Radius:	3.01	ft
Wetted Perimeter:	865.57	ft
Wetted Top Width:	865.21	ft
Critical Slope:	0.0876	ft/ft

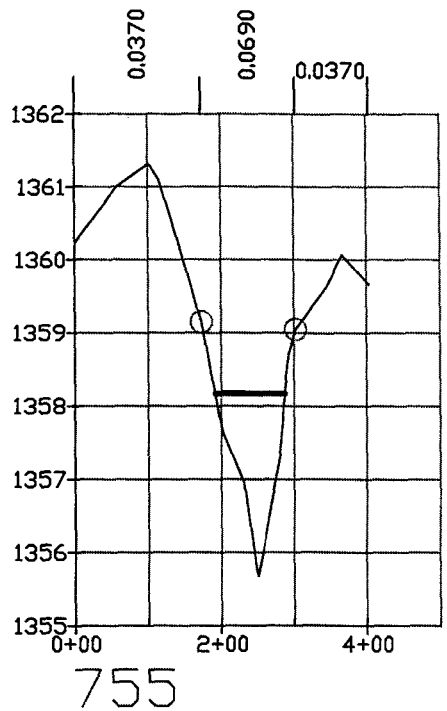
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T2N–R6W–S19–~~110~~ 810

Entellus™

File: T2N-R6W-S19-New-Mapping.dwg Date: 9/17/02

T3N-R6W-S14W



Normal Depth Results

Cross-Section:	755	
Elevation:	1358.17	ft MSL
Depth:	2.49	ft
Discharge:	420.00	cfs
Energy Gradient:	0.0204	ft/ft
Froude Number:	0.3984	
Flow Regime:	Subcritical	
Flow Area:	117.79	sq ft
Average Velocity:	3.54	ft/s
Maximum Velocity:	3.54	ft/s
Composite n:	0.069	
Hydraulic Radius:	1.23	ft
Wetted Perimeter:	95.84	ft
Wetted Top Width:	95.68	ft
Critical Slope:	0.1304	ft/ft

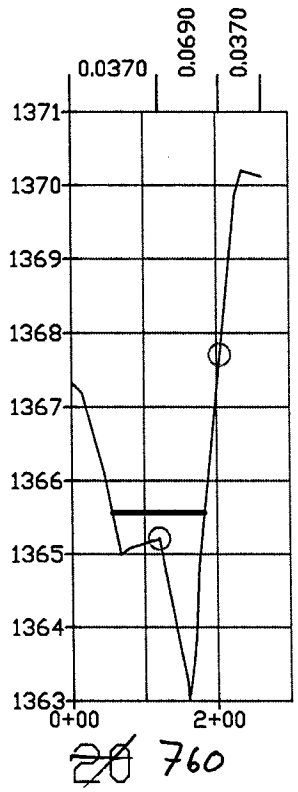
NOT USED IN DELINEATION

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S14W–755

Entellus™

File: T3N-R6W-S14W.dwg Date: 5/16/02



Normal Depth Results

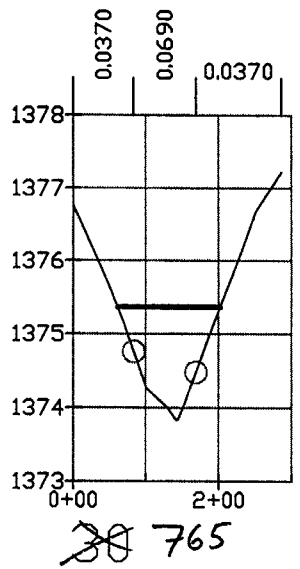
Cross-Section:	~~20~~ 760	
Elevation:	1365.57	ft MSL
Depth:	2.55	ft
Discharge:	420.00	cfs
Energy Gradient:	0.0204	ft/ft
Froude Number:	0.4088	
Flow Regime:	Subcritical	
Flow Area:	113.49	sq ft
Average Velocity:	3.69	ft/s
Maximum Velocity:	3.83	ft/s
Composite n:	0.0539	
Hydraulic Radius:	0.89	ft
Wetted Perimeter:	127.19	ft
Wetted Top Width:	126.93	ft
Critical Slope:	0.1248	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S14W–~~20~~ 760

Entellus™

File: T3N-R6W-S14W.dwg Date: 9/17/02



Normal Depth Results

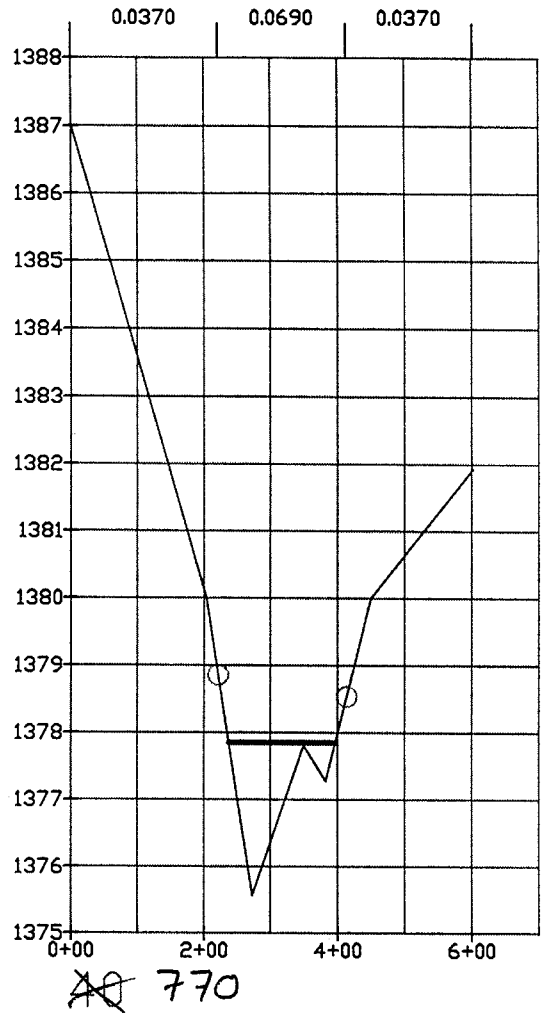
Cross-Section:	~~30~~ 765	
Elevation:	1375.37	ft MSL
Depth:	1.54	ft
Discharge:	420.00	cfs
Energy Gradient:	0.0204	ft/ft
Froude Number:	0.4848	
Flow Regime:	Subcritical	
Flow Area:	123.17	sq ft
Average Velocity:	3.40	ft/s
Maximum Velocity:	3.47	ft/s
Composite n:	0.0575	
Hydraulic Radius:	0.87	ft
Wetted Perimeter:	140.82	ft
Wetted Top Width:	140.78	ft
Critical Slope:	0.0882	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S14W–~~30~~ 765

Entellus™

File: T3N-R6W-S14W.dwg Date: 9/17/02



Normal Depth Results

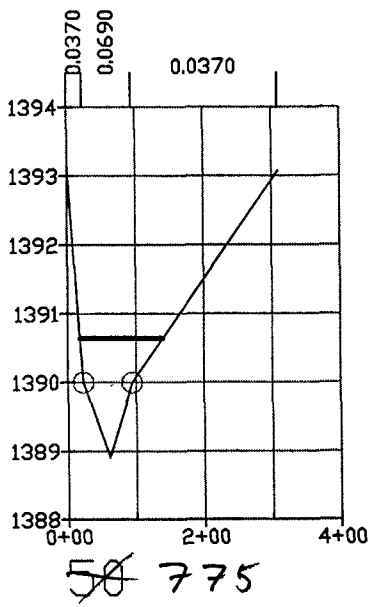
Cross-Section:	~~40~~ 770	
Elevation:	1377.85	ft MSL
Depth:	2.28	ft
Discharge:	420.00	cfs
Energy Gradient:	0.0204	ft/ft
Froude Number:	0.34	
Flow Regime:	Subcritical	
Flow Area:	144.11	sq ft
Average Velocity:	2.88	ft/s
Maximum Velocity:	2.88	ft/s
Composite n:	0.069	
Hydraulic Radius:	0.9	ft
Wetted Perimeter:	159.63	ft
Wetted Top Width:	159.50	ft
Critical Slope:	0.1805	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S14W–~~40~~ 770

Entellus™

File: T3N-R6W-S14W-New-Mapping.dwg Date: 9/25/02



Normal Depth Results

Cross-Section:	~~50~~ 775	
Elevation:	1390.64	ft MSL
Depth:	1.73	ft
Discharge:	420.00	cfs
Energy Gradient:	0.0318	ft/ft
Froude Number:	0.558	
Flow Regime:	Subcritical	
Flow Area:	100.79	sq ft
Average Velocity:	4.17	ft/s
Maximum Velocity:	4.32	ft/s
Composite n:	0.0569	
Hydraulic Radius:	0.83	ft
Wetted Perimeter:	121.23	ft
Wetted Top Width:	121.15	ft
Critical Slope:	0.1043	ft/ft

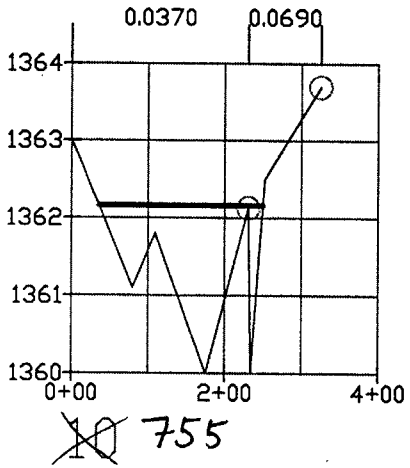
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S14W–~~50~~ 775

Entellus™

File: T3N-R6W-S14W-New-Mapping.dwg Date: 9/17/02

T3N-R6W-S15N



Normal Depth Results

Cross-Section:	~~10~~ 755	
Elevation:	1362.16	ft MSL
Depth:	2.16	ft
Discharge:	970.00	cfs
Energy Gradient:	0.015	ft/ft
Froude Number:	0.5555	
Flow Regime:	Subcritical	
Flow Area:	209.43	sq ft
Average Velocity:	4.61	ft/s
Maximum Velocity:	4.82	ft/s
Composite n:	0.0404	
Hydraulic Radius:	0.97	ft
Wetted Perimeter:	215.29	ft
Wetted Top Width:	214.46	ft
Critical Slope:	0.053	ft/ft

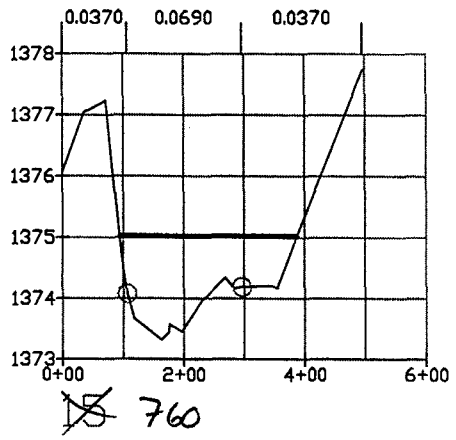
NOT USED FOR DELINEATION

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S15N–~~10~~ 755

Entellus™

File: T3N-R6W-S15N-New-Mapping.dwg Date: 9/25/02



Normal Depth Results

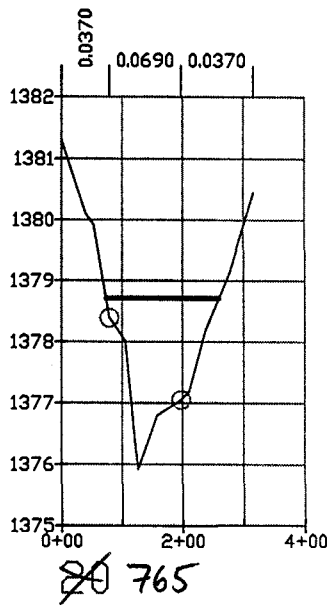
Cross-Section:	~~15~~ 760	
Elevation:	1375.02	ft MSL
Depth:	1.70	ft
Discharge:	970.00	cfs
Energy Gradient:	0.015	ft/ft
Froude Number:	0.4327	
Flow Regime:	Subcritical	
Flow Area:	302.80	sq ft
Average Velocity:	3.20	ft/s
Maximum Velocity:	3.82	ft/s
Composite n:	0.0587	
Hydraulic Radius:	1.03	ft
Wetted Perimeter:	293.60	ft
Wetted Top Width:	293.53	ft
Critical Slope:	0.0817	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S15N–~~15~~ 760

Entellus™

File: T3N-R6W-S15N.dwg Date: 9/17/02



Normal Depth Results

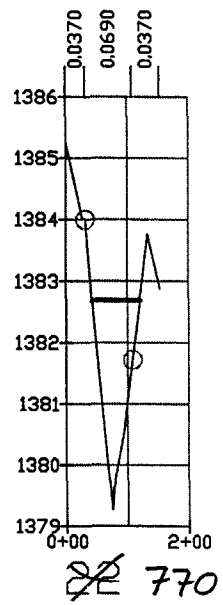
Cross-Section:	~~20~~ 765	
Elevation:	1378.71	ft MSL
Depth:	2.79	ft
Discharge:	970.00	cfs
Energy Gradient:	0.015	ft/ft
Froude Number:	0.4074	
Flow Regime:	Subcritical	
Flow Area:	251.22	sq ft
Average Velocity:	3.86	ft/s
Maximum Velocity:	4.51	ft/s
Composite n:	0.0584	
Hydraulic Radius:	1.35	ft
Wetted Perimeter:	186.45	ft
Wetted Top Width:	186.29	ft
Critical Slope:	0.0928	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S15N–~~20~~ 765

Entellus™

File: T3N-R6W-S15N.dwg Date: 9/17/02



Normal Depth Results

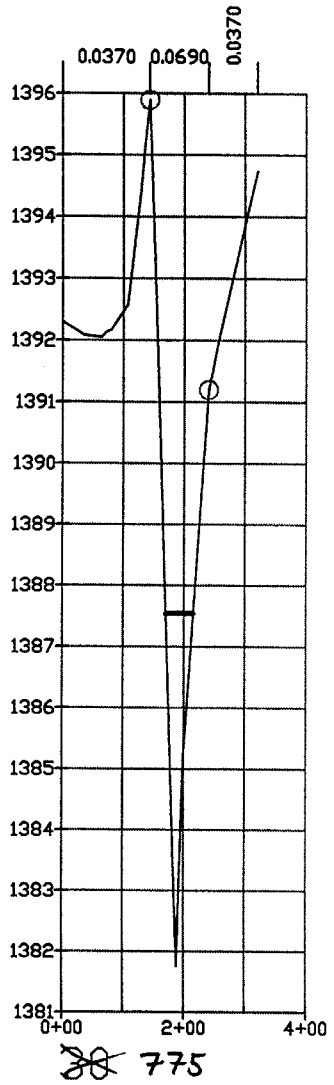
Cross-Section:	~~22~~ 770	
Elevation:	1382.69	ft MSL
Depth:	3.42	ft
Discharge:	560.00	cfs
Energy Gradient:	0.015	ft/ft
Froude Number:	0.3904	
Flow Regime:	Subcritical	
Flow Area:	136.72	sq ft
Average Velocity:	4.09	ft/s
Maximum Velocity:	4.14	ft/s
Composite n:	0.0647	
Hydraulic Radius:	1.74	ft
Wetted Perimeter:	78.74	ft
Wetted Top Width:	78.42	ft
Critical Slope:	0.0994	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S15N–~~22~~ 770

Entellus™

File: T3N-R6W-S15N.dwg Date: 9/17/02



Normal Depth Results

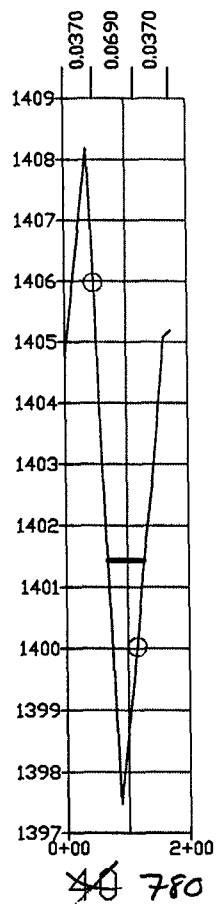
Cross-Section:	~~30~~ 775	
Elevation:	1387.55	ft MSL
Depth:	5.79	ft
Discharge:	560.00	cfs
Energy Gradient:	0.015	ft/ft
Froude Number:	0.3549	
Flow Regime:	Subcritical	
Flow Area:	115.61	sq ft
Average Velocity:	4.84	ft/s
Maximum Velocity:	4.84	ft/s
Composite n:	0.069	
Hydraulic Radius:	2.47	ft
Wetted Perimeter:	46.77	ft
Wetted Top Width:	45.17	ft
Critical Slope:	0.1195	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S15N–~~30~~ 775

Entellus™

File: T3N-R6W-S15N.dwg Date: 9/17/02



Normal Depth Results

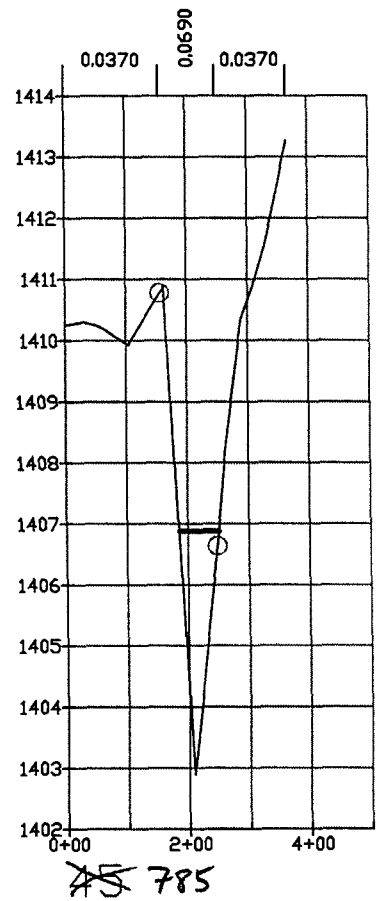
Cross-Section:	~~40~~ 780	
Elevation:	1401.43	ft MSL
Depth:	3.95	ft
Discharge:	560.00	cfs
Energy Gradient:	0.015	ft/ft
Froude Number:	0.4111	
Flow Regime:	Subcritical	
Flow Area:	120.80	sq ft
Average Velocity:	4.62	ft/s
Maximum Velocity:	4.68	ft/s
Composite n:	0.0634	
Hydraulic Radius:	2.02	ft
Wetted Perimeter:	59.65	ft
Wetted Top Width:	59.06	ft
Critical Slope:	0.0899	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S15N–~~40~~ 780

Entellus™

File: T3N-R6W-S15N.dwg Date: 9/17/02



Normal Depth Results

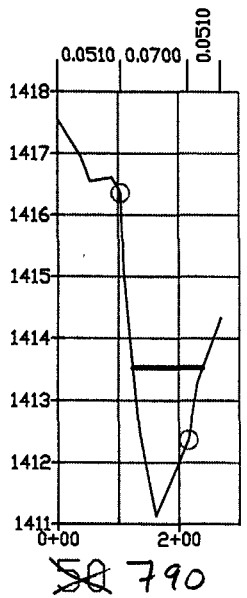
Cross-Section:	~~45~~ 785	
Elevation:	1406.88	ft MSL
Depth:	3.98	ft
Discharge:	560.00	cfs
Energy Gradient:	0.015	ft/ft
Froude Number:	0.3771	
Flow Regime:	Subcritical	
Flow Area:	131.18	sq ft
Average Velocity:	4.28	ft/s
Maximum Velocity:	4.29	ft/s
Composite n:	0.068	
Hydraulic Radius:	2	ft
Wetted Perimeter:	65.55	ft
Wetted Top Width:	65.02	ft
Critical Slope:	0.1061	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S15N–~~45~~ 785

Entellus™

File: T3N-R6W-S15N.dwg Date: 9/17/02



Normal Depth Results

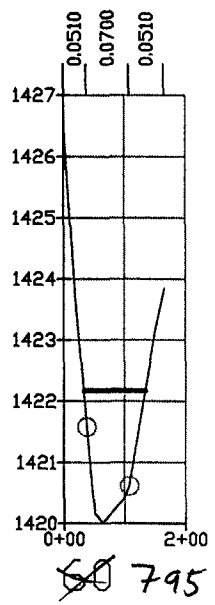
Cross-Section:	~~50~~ 790	
Elevation:	1413.53	ft MSL
Depth:	2.40	ft
Discharge:	560.00	cfs
Energy Gradient:	0.015	ft/ft
Froude Number:	0.3977	
Flow Regime:	Subcritical	
Flow Area:	160.13	sq ft
Average Velocity:	3.50	ft/s
Maximum Velocity:	3.60	ft/s
Composite n:	0.0662	
Hydraulic Radius:	1.39	ft
Wetted Perimeter:	115.55	ft
Wetted Top Width:	115.41	ft
Critical Slope:	0.0989	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S15N–~~50~~ 790

Entellus™

File: T3N-R6W-S15N.dwg Date: 9/17/02



Normal Depth Results

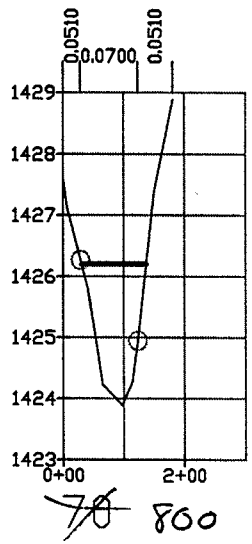
Cross-Section:	~~60~~ 795	
Elevation:	1422.17	ft MSL
Depth:	2.16	ft
Discharge:	560.00	cfs
Energy Gradient:	0.015	ft/ft
Froude Number:	0.4477	
Flow Regime:	Subcritical	
Flow Area:	149.94	sq ft
Average Velocity:	3.75	ft/s
Maximum Velocity:	3.89	ft/s
Composite n:	0.0644	
Hydraulic Radius:	1.48	ft
Wetted Perimeter:	101.63	ft
Wetted Top Width:	101.46	ft
Critical Slope:	0.0775	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S15N–~~60~~ 795

Entellus™

File: T3N-R6W-S15N.dwg Date: 9/17/02



Normal Depth Results

Cross-Section:	~~70~~ 800	
Elevation:	1426.20	ft MSL
Depth:	2.31	ft
Discharge:	560.00	cfs
Energy Gradient:	0.015	ft/ft
Froude Number:	0.4093	
Flow Regime:	Subcritical	
Flow Area:	158.59	sq ft
Average Velocity:	3.53	ft/s
Maximum Velocity:	3.59	ft/s
Composite n:	0.0676	
Hydraulic Radius:	1.48	ft
Wetted Perimeter:	106.79	ft
Wetted Top Width:	106.65	ft
Critical Slope:	0.0906	ft/ft

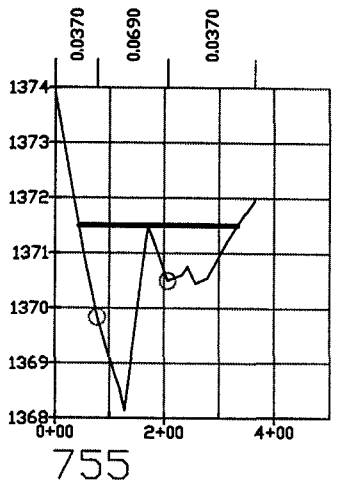
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S15N–~~70~~800

Entellus™

File: T3N-R6W-S15N.dwg Date: 9/17/02

T3N-R6W-S15S



Normal Depth Results

Cross-Section:	755	
Elevation:	1371.50	ft MSL
Depth:	3.36	ft
Discharge:	1280.00	cfs
Energy Gradient:	0.0148	ft/ft
Froude Number:	0.3668	
Flow Regime:	Subcritical	
Flow Area:	335.57	sq ft
Average Velocity:	3.82	ft/s
Maximum Velocity:	4.42	ft/s
Composite n:	0.0524	
Hydraulic Radius:	1.16	ft
Wetted Perimeter:	290.14	ft
Wetted Top Width:	289.92	ft
Critical Slope:	0.1104	ft/ft

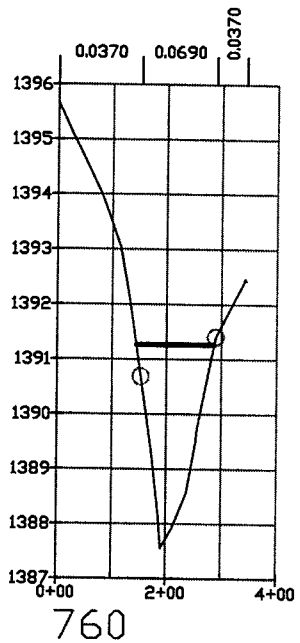
NOT USED IN DELINEATION

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S15S–755

Entellus™

File: T3N-R6W-S15S.dwg Date: 9/03/02



Normal Depth Results

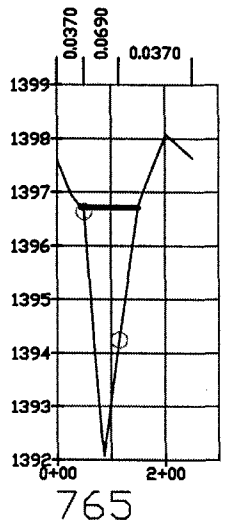
Cross-Section:	760	
Elevation:	1391.27	ft MSL
Depth:	3.71	ft
Discharge:	1280.00	cfs
Energy Gradient:	0.0148	ft/ft
Froude Number:	0.4011	
Flow Regime:	Subcritical	
Flow Area:	292.19	sq ft
Average Velocity:	4.37	ft/s
Maximum Velocity:	4.39	ft/s
Composite n:	0.0674	
Hydraulic Radius:	2.05	ft
Wetted Perimeter:	142.28	ft
Wetted Top Width:	142.04	ft
Critical Slope:	0.0935	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S15S–760

Entellus™

File: T3N-R6W-S15S.dwg Date: 9/03/02



Normal Depth Results

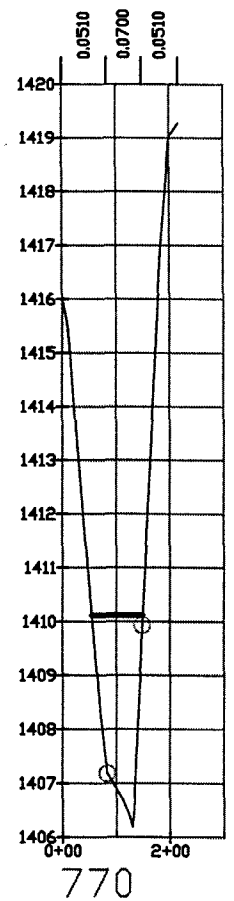
Cross-Section:	765	
Elevation:	1396.72	ft MSL
Depth:	4.64	ft
Discharge:	1280.00	cfs
Energy Gradient:	0.0148	ft/ft
Froude Number:	0.4457	
Flow Regime:	Subcritical	
Flow Area:	235.10	sq ft
Average Velocity:	5.43	ft/s
Maximum Velocity:	5.62	ft/s
Composite n:	0.0576	
Hydraulic Radius:	2.21	ft
Wetted Perimeter:	106.38	ft
Wetted Top Width:	105.92	ft
Critical Slope:	0.0775	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S15S–765

Entellus™

File: T3N-R6W-S15S.dwg, Date: 9/03/02



Normal Depth Results

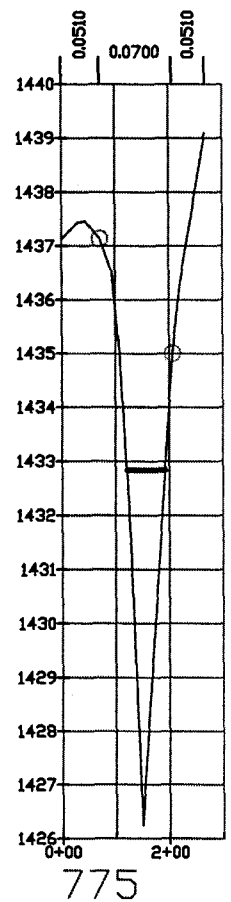
Cross-Section:	770	
Elevation:	1410.12	ft MSL
Depth:	3.92	ft
Discharge:	1280.00	cfs
Energy Gradient:	0.0148	ft/ft
Froude Number:	0.4693	
Flow Regime:	Subcritical	
Flow Area:	242.85	sq ft
Average Velocity:	5.29	ft/s
Maximum Velocity:	5.40	ft/s
Composite n:	0.0644	
Hydraulic Radius:	2.55	ft
Wetted Perimeter:	95.26	ft
Wetted Top Width:	94.68	ft
Critical Slope:	0.0676	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S15S–770

Entellus™

File: T3N-R6W-S15S.dwg, Date: 9/03/02



Normal Depth Results

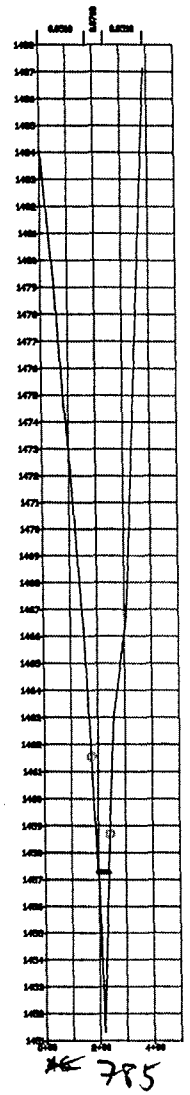
Cross-Section:	775	
Elevation:	1432.83	ft MSL
Depth:	6.58	ft
Discharge:	1280.00	cfs
Energy Gradient:	0.0148	ft/ft
Froude Number:	0.3835	
Flow Regime:	Subcritical	
Flow Area:	229.31	sq ft
Average Velocity:	5.59	ft/s
Maximum Velocity:	5.59	ft/s
Composite n:	0.07	
Hydraulic Radius:	3.17	ft
Wetted Perimeter:	72.39	ft
Wetted Top Width:	71.12	ft
Critical Slope:	0.1005	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S15S–775

Entellus™

File: T3N-R6W-S15S.dwg, Date: 9/03/02



Normal Depth Results

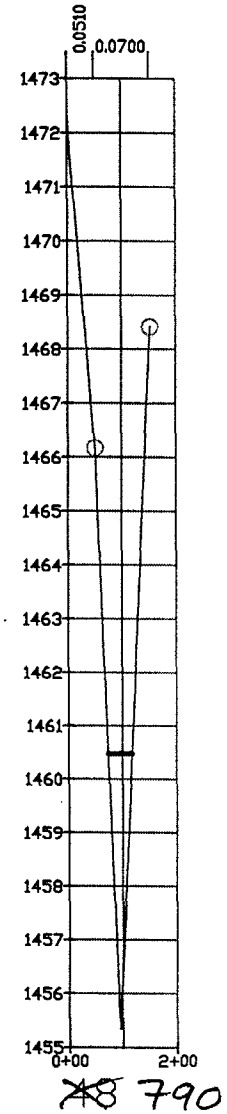
Cross-Section:	~~46~~ 785	
Elevation:	1457.29	ft MSL
Depth:	5.98	ft
Discharge:	640.00	cfs
Energy Gradient:	0.0204	ft/ft
Froude Number:	0.4208	
Flow Regime:	Subcritical	
Flow Area:	109.63	sq ft
Average Velocity:	5.84	ft/s
Maximum Velocity:	5.84	ft/s
Composite n:	0.07	
Hydraulic Radius:	2.66	ft
Wetted Perimeter:	41.17	ft
Wetted Top Width:	39.34	ft
Critical Slope:	0.115	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R6W-S15S-~~46~~ 785

Entellus™

File: T3N-R6W-S15S.dwg, Date: 9/03/02



Normal Depth Results

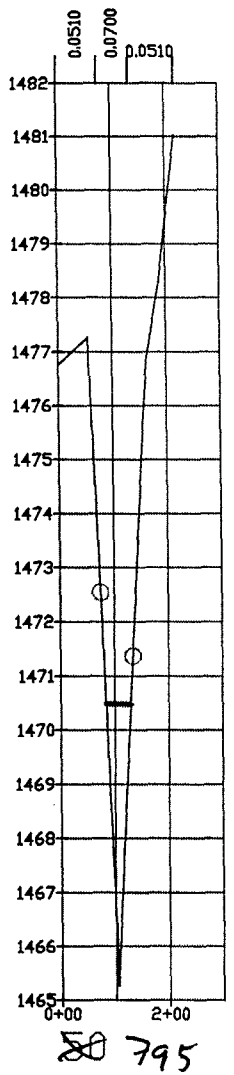
Cross-Section:	~~A8~~ 790	
Elevation:	1460.48	ft MSL
Depth:	5.13	ft
Discharge:	640.00	cfs
Energy Gradient:	0.0204	ft/ft
Froude Number:	0.4357	
Flow Regime:	Subcritical	
Flow Area:	114.36	sq ft
Average Velocity:	5.61	ft/s
Maximum Velocity:	5.61	ft/s
Composite n:	0.07	
Hydraulic Radius:	2.51	ft
Wetted Perimeter:	45.58	ft
Wetted Top Width:	44.41	ft
Critical Slope:	0.1067	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R6W-S15S-~~A8~~ 790

Entellus™

File: T3N-R6W-S15S.dwg Date: 9/03/02



Normal Depth Results

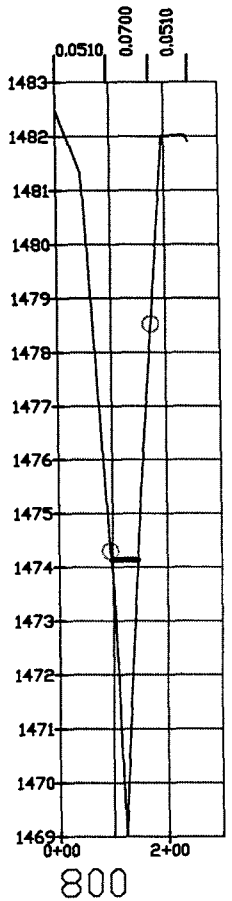
Cross-Section:	~~50~~ 795	
Elevation:	1470.48	ft MSL
Depth:	5.21	ft
Discharge:	640.00	cfs
Energy Gradient:	0.0204	ft/ft
Froude Number:	0.4268	
Flow Regime:	Subcritical	
Flow Area:	115.76	sq ft
Average Velocity:	5.55	ft/s
Maximum Velocity:	5.55	ft/s
Composite n:	0.07	
Hydraulic Radius:	2.46	ft
Wetted Perimeter:	46.97	ft
Wetted Top Width:	45.78	ft
Critical Slope:	0.1112	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R6W-S15S-~~50~~ 795

Entellus™

File: T3N-R6W-S15S.dwg; Date: 9/03/02



Normal Depth Results

Cross-Section:	800	
Elevation:	1474.14	ft MSL
Depth:	5.11	ft
Discharge:	640.00	cfs
Energy Gradient:	0.0204	ft/ft
Froude Number:	0.4214	
Flow Regime:	Subcritical	
Flow Area:	118.44	sq ft
Average Velocity:	5.39	ft/s
Maximum Velocity:	5.39	ft/s
Composite n:	0.07	
Hydraulic Radius:	2.36	ft
Wetted Perimeter:	50.15	ft
Wetted Top Width:	49.07	ft
Critical Slope:	0.1154	ft/ft

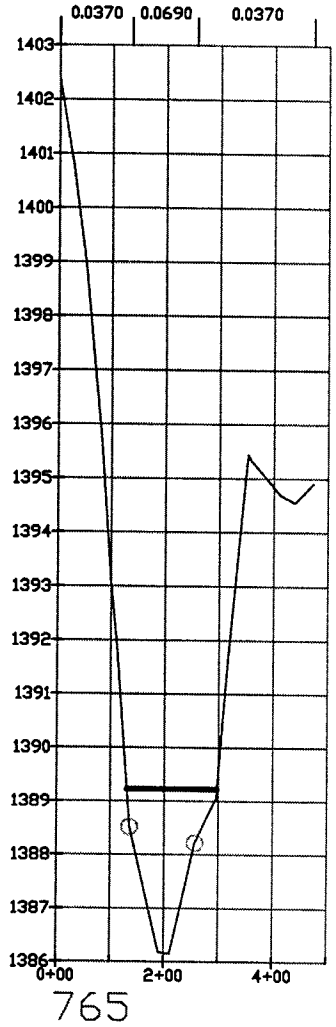
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S15S–800

Entellus™

File: T3N-R6W-S15S.dwg, Date: 9/03/02

T3N-R6W-S16E



Normal Depth Results

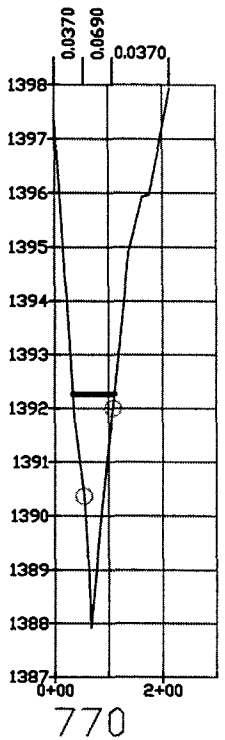
Cross-Section:	765	
Elevation:	1389.23	ft MSL
Depth:	3.08	ft
Discharge:	1460.00	cfs
Energy Gradient:	0.021	ft/ft
Froude Number:	0.5143	
Flow Regime:	Subcritical	
Flow Area:	285.13	sq ft
Average Velocity:	5.10	ft/s
Maximum Velocity:	5.21	ft/s
Composite n:	0.061	
Hydraulic Radius:	1.71	ft
Wetted Perimeter:	167.06	ft
Wetted Top Width:	166.89	ft
Critical Slope:	0.0816	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S16E–765

Entellus™

File: T3N-R6W-S16E.dwg, Date: 9/03/02



Normal Depth Results

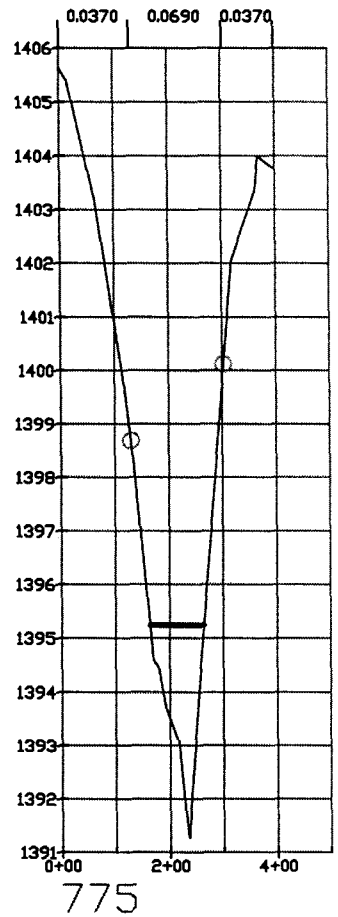
Cross-Section:	770	
Elevation:	1392.27	ft MSL
Depth:	4.35	ft
Discharge:	850.00	cfs
Energy Gradient:	0.021	ft/ft
Froude Number:	0.4759	
Flow Regime:	Subcritical	
Flow Area:	150.99	sq ft
Average Velocity:	5.60	ft/s
Maximum Velocity:	6.09	ft/s
Composite n:	0.0603	
Hydraulic Radius:	1.93	ft
Wetted Perimeter:	78.14	ft
Wetted Top Width:	77.58	ft
Critical Slope:	0.0953	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S16E–770

Entellus™

File: T3N-R6W-S16E.dwg, Date: 9/03/02



Normal Depth Results

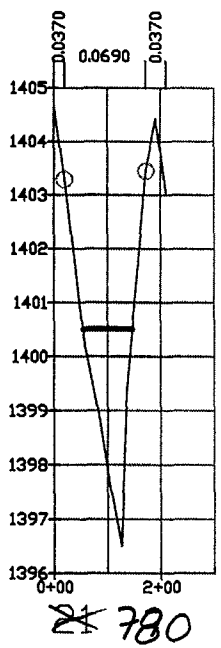
Cross-Section:	775	
Elevation:	1395.25	ft MSL
Depth:	3.98	ft
Discharge:	850.00	cfs
Energy Gradient:	0.021	ft/ft
Froude Number:	0.4122	
Flow Regime:	Subcritical	
Flow Area:	182.33	sq ft
Average Velocity:	4.67	ft/s
Maximum Velocity:	4.67	ft/s
Composite n:	0.069	
Hydraulic Radius:	1.82	ft
Wetted Perimeter:	100.13	ft
Wetted Top Width:	99.70	ft
Critical Slope:	0.1233	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S16E–775

Entellus™

File: T3N-R6W-S16E.dwg; Date: 9/03/02



Normal Depth Results

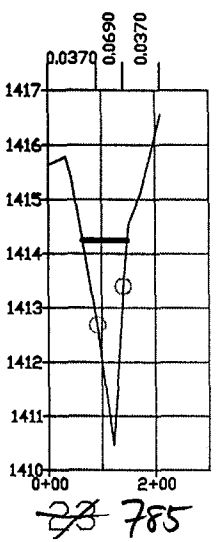
Cross-Section:	~~21~~ 780	
Elevation:	1400.51	ft MSL
Depth:	4.01	ft
Discharge:	850.00	cfs
Energy Gradient:	0.021	ft/ft
Froude Number:	0.4222	
Flow Regime:	Subcritical	
Flow Area:	177.24	sq ft
Average Velocity:	4.80	ft/s
Maximum Velocity:	4.80	ft/s
Composite n:	0.069	
Hydraulic Radius:	1.9	ft
Wetted Perimeter:	93.18	ft
Wetted Top Width:	92.61	ft
Critical Slope:	0.1174	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S16E–~~21~~ 780

Entellus™

File: T3N-R6W-S16E.dwg, Date: 9/03/02



Normal Depth Results

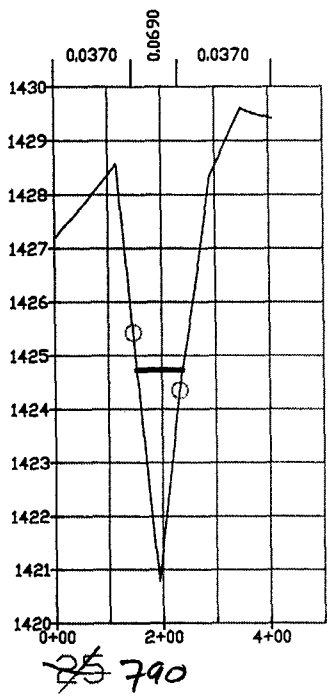
Cross-Section:	~~23~~ 785	
Elevation:	1414.25	ft MSL
Depth:	3.78	ft
Discharge:	850.00	cfs
Energy Gradient:	0.021	ft/ft
Froude Number:	0.5134	
Flow Regime:	Subcritical	
Flow Area:	150.13	sq ft
Average Velocity:	5.64	ft/s
Maximum Velocity:	5.82	ft/s
Composite n:	0.0568	
Hydraulic Radius:	1.78	ft
Wetted Perimeter:	84.56	ft
Wetted Top Width:	84.16	ft
Critical Slope:	0.0822	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S16E–~~23~~ 785

Entellus™

File: T3N-R6W-S16E.dwg, Date: 9/03/02



Normal Depth Results

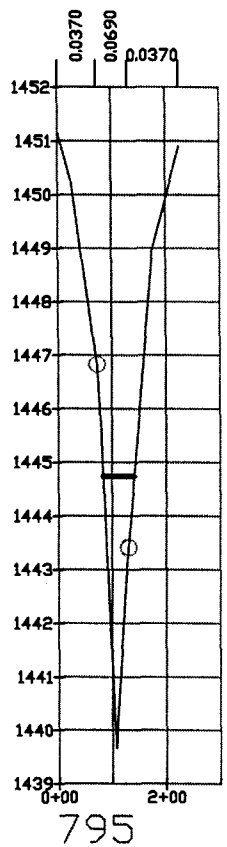
Cross-Section:	~~25~~ 790	
Elevation:	1424.73	ft MSL
Depth:	3.95	ft
Discharge:	850.00	cfs
Energy Gradient:	0.021	ft/ft
Froude Number:	0.4506	
Flow Regime:	Subcritical	
Flow Area:	167.31	sq ft
Average Velocity:	5.09	ft/s
Maximum Velocity:	5.11	ft/s
Composite n:	0.067	
Hydraulic Radius:	1.96	ft
Wetted Perimeter:	85.52	ft
Wetted Top Width:	85.15	ft
Critical Slope:	0.1051	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S16E–~~25~~ 790

Entellus™

File: T3N-R6W-S16E.dwg Date: 9/03/02



Normal Depth Results

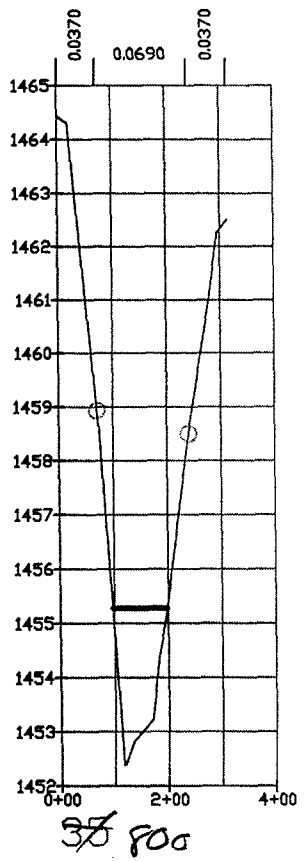
Cross-Section:	795	
Elevation:	1444.74	ft MSL
Depth:	5.07	ft
Discharge:	850.00	cfs
Energy Gradient:	0.021	ft/ft
Froude Number:	0.4774	
Flow Regime:	Subcritical	
Flow Area:	139.39	sq ft
Average Velocity:	6.08	ft/s
Maximum Velocity:	6.16	ft/s
Composite n:	0.0637	
Hydraulic Radius:	2.38	ft
Wetted Perimeter:	58.64	ft
Wetted Top Width:	57.72	ft
Critical Slope:	0.0941	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S16E–795

Entellus™

File: T3N-k6W-S16E.dwg, Date: 9/03/02



Normal Depth Results

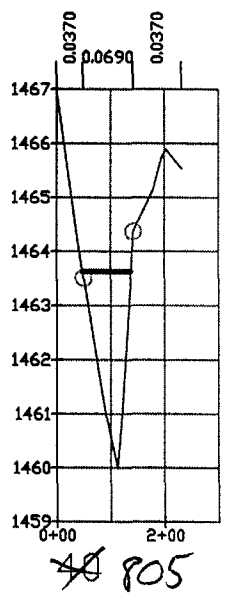
Cross-Section:	~~35~~ 800	
Elevation:	1455.28	ft MSL
Depth:	2.89	ft
Discharge:	850.00	cfs
Energy Gradient:	0.021	ft/ft
Froude Number:	0.4815	
Flow Regime:	Subcritical	
Flow Area:	183.01	sq ft
Average Velocity:	4.64	ft/s
Maximum Velocity:	4.64	ft/s
Composite n:	0.069	
Hydraulic Radius:	1.81	ft
Wetted Perimeter:	101.22	ft
Wetted Top Width:	100.93	ft
Critical Slope:	0.0905	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S16E–~~35~~ 800

Entellus™

File: T3N-R6W-S16E.dwg, Date: 9/03/02



Normal Depth Results

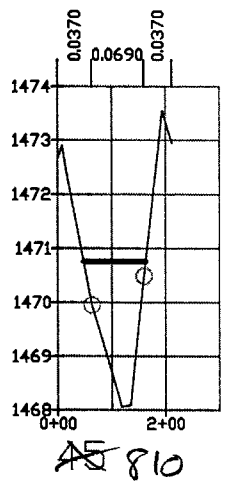
Cross-Section:	~~40~~ 805	
Elevation:	1463.63	ft MSL
Depth:	3.64	ft
Discharge:	850.00	cfs
Energy Gradient:	0.021	ft/ft
Froude Number:	0.4522	
Flow Regime:	Subcritical	
Flow Area:	173.60	sq ft
Average Velocity:	4.91	ft/s
Maximum Velocity:	4.91	ft/s
Composite n:	0.0683	
Hydraulic Radius:	1.92	ft
Wetted Perimeter:	90.25	ft
Wetted Top Width:	89.87	ft
Critical Slope:	0.1032	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S16E–~~40~~ 805

Entellus™

File: T3N-R6W-S16E.dwg, Date: 9/03/02



Normal Depth Results

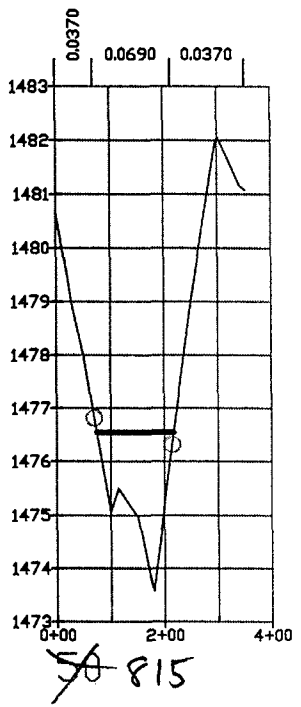
Cross-Section:	~~A5~~ 810	
Elevation:	1470.76	ft MSL
Depth:	2.70	ft
Discharge:	850.00	cfs
Energy Gradient:	0.021	ft/ft
Froude Number:	0.4946	
Flow Regime:	Subcritical	
Flow Area:	184.32	sq ft
Average Velocity:	4.62	ft/s
Maximum Velocity:	4.68	ft/s
Composite n:	0.0645	
Hydraulic Radius:	1.6	ft
Wetted Perimeter:	115.51	ft
Wetted Top Width:	115.33	ft
Critical Slope:	0.0873	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S16E–~~A5~~ 810

Entellus™

File: T3N-R6W-S16E.dwg Date: 9/03/02



Normal Depth Results

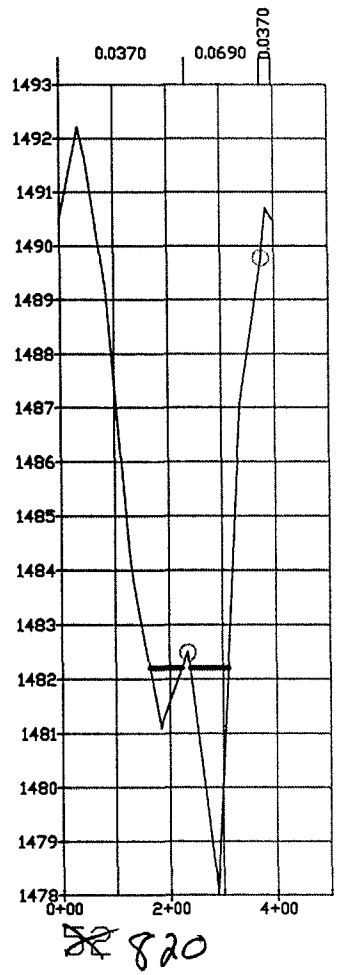
Cross-Section:	~~50~~ 815	
Elevation:	1476.55	ft MSL
Depth:	2.97	ft
Discharge:	850.00	cfs
Energy Gradient:	0.021	ft/ft
Froude Number:	0.4181	
Flow Regime:	Subcritical	
Flow Area:	207.97	sq ft
Average Velocity:	4.05	ft/s
Maximum Velocity:	4.06	ft/s
Composite n:	0.0684	
Hydraulic Radius:	1.45	ft
Wetted Perimeter:	143.76	ft
Wetted Top Width:	143.55	ft
Critical Slope:	0.1231	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S16E–~~50~~ 815

Entellus™

File: T3N-R6W-S16E.dwg Date: 9/03/02



Normal Depth Results

Cross-Section:	~~52~~ 820	
Elevation:	1482.21	ft MSL
Depth:	4.21	ft
Discharge:	850.00	cfs
Energy Gradient:	0.021	ft/ft
Froude Number:	0.413	
Flow Regime:	Subcritical	
Flow Area:	176.89	sq ft
Average Velocity:	4.80	ft/s
Maximum Velocity:	5.01	ft/s
Composite n:	0.0556	
Hydraulic Radius:	1.35	ft
Wetted Perimeter:	131.11	ft
Wetted Top Width:	130.46	ft
Critical Slope:	0.1267	ft/ft

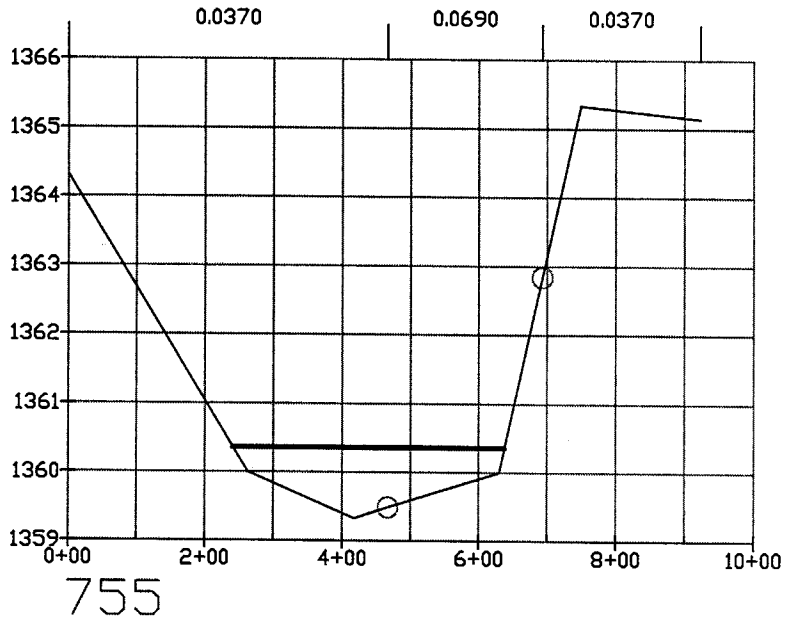
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S16E–~~52~~ 820

Entellus™

File: T3N-R6W-S16E.dwg; Date: 9/03/02

T3N-R6W-S16S



Normal Depth Results

Cross-Section:	755	
Elevation:	1360.36	ft MSL
Depth:	1.03	ft
Discharge:	930.00	cfs
Energy Gradient:	0.0201	ft/ft
Froude Number:	0.6181	
Flow Regime:	Subcritical	
Flow Area:	260.97	sq ft
Average Velocity:	3.60	ft/s
Maximum Velocity:	4.51	ft/s
Composite n:	0.052	
Hydraulic Radius:	0.66	ft
Wetted Perimeter:	396.95	ft
Wetted Top Width:	396.94	ft
Critical Slope:	0.0708	ft/ft

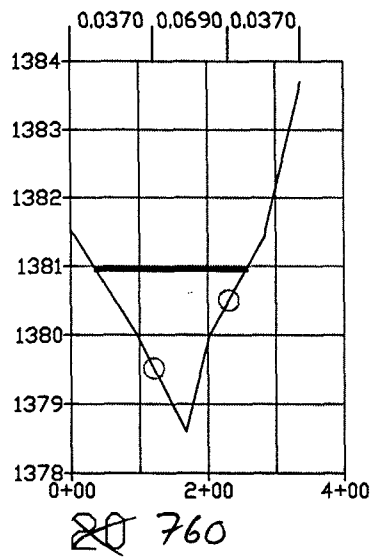
NOT USED IN DELINEATION

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash T3N–R6W–S16S–755

Entellus™

File: T3N-R6W-S16S-New-Mapping.dwg Date: 5/16/02



Normal Depth Results

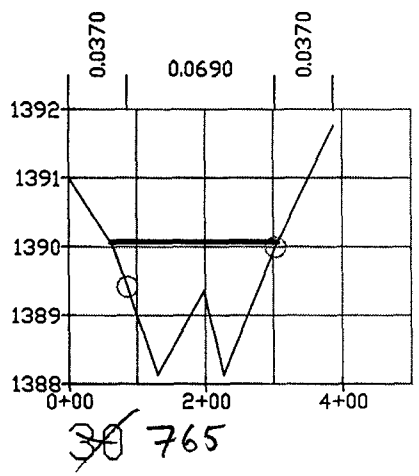
Cross-Section:	~~20~~ 760	
Elevation:	1380.95	ft MSL
Depth:	2.35	ft
Discharge:	930.00	cfs
Energy Gradient:	0.0201	ft/ft
Froude Number:	0.466	
Flow Regime:	Subcritical	
Flow Area:	229.38	sq ft
Average Velocity:	4.08	ft/s
Maximum Velocity:	4.44	ft/s
Composite n:	0.0542	
Hydraulic Radius:	1.04	ft
Wetted Perimeter:	219.63	ft
Wetted Top Width:	219.58	ft
Critical Slope:	0.0947	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash T3N–R6W–S16S–~~20~~ 760

Entellus™

File: T3N-R6W-S16S-New-Mapping.dwg Date: 9/25/02



Normal Depth Results

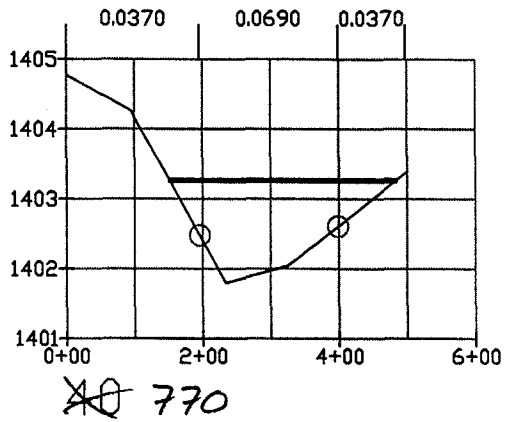
Cross-Section:	~~30~~ 765	
Elevation:	1390.07	ft MSL
Depth:	1.94	ft
Discharge:	930.00	cfs
Energy Gradient:	0.0201	ft/ft
Froude Number:	0.4342	
Flow Regime:	Subcritical	
Flow Area:	270.79	sq ft
Average Velocity:	3.45	ft/s
Maximum Velocity:	3.48	ft/s
Composite n:	0.0657	
Hydraulic Radius:	1.1	ft
Wetted Perimeter:	245.86	ft
Wetted Top Width:	245.77	ft
Critical Slope:	0.107	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash T3N–R6W–S16S–~~30~~ 765

Entellus™

File: T3N-R6W-S16S-New-Mapping.dwg Date: 9/25/02



Normal Depth Results

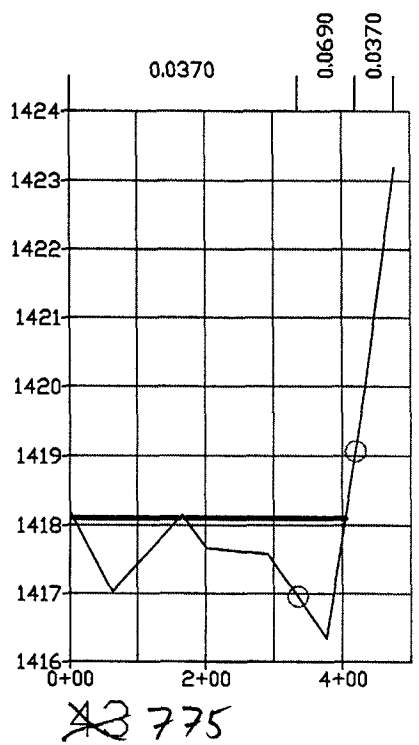
Cross-Section:	~~40~~ 770	
Elevation:	1403.26	ft MSL
Depth:	1.46	ft
Discharge:	930.00	cfs
Energy Gradient:	0.0201	ft/ft
Froude Number:	0.4849	
Flow Regime:	Subcritical	
Flow Area:	279.57	sq ft
Average Velocity:	3.28	ft/s
Maximum Velocity:	3.37	ft/s
Composite n:	0.0577	
Hydraulic Radius:	0.84	ft
Wetted Perimeter:	331.62	ft
Wetted Top Width:	331.60	ft
Critical Slope:	0.0887	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash T3N–R6W–S16S–~~40~~ 770

Entellus™

File: T3N-R6W-S16S-New-Mapping.dwg Date: 9/17/02



Normal Depth Results

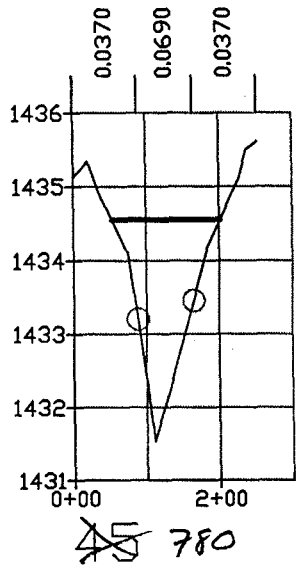
Cross-Section:	~~#3~~ 775	
Elevation:	1418.10	ft MSL
Depth:	1.75	ft
Discharge:	930.00	cfs
Energy Gradient:	0.0201	ft/ft
Froude Number:	0.4855	
Flow Regime:	Subcritical	
Flow Area:	255.13	sq ft
Average Velocity:	3.65	ft/s
Maximum Velocity:	3.73	ft/s
Composite n:	0.0435	
Hydraulic Radius:	0.65	ft
Wetted Perimeter:	392.09	ft
Wetted Top Width:	392.01	ft
Critical Slope:	0.0852	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash T3N–R6W–S16S–~~#3~~ 775

Entellus™

File: T3N-R6W-S16S-New-Mapping.dwg Date: 9/17/02



Normal Depth Results

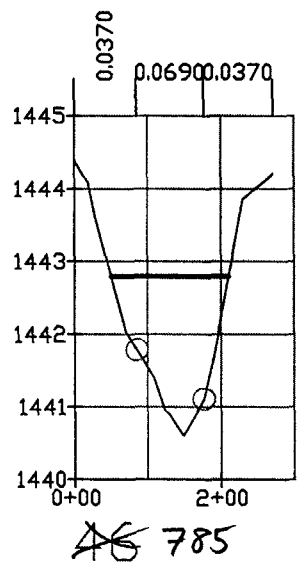
Cross-Section:	~~45~~ 780	
Elevation:	1434.55	ft MSL
Depth:	3.01	ft
Discharge:	930.00	cfs
Energy Gradient:	0.0201	ft/ft
Froude Number:	0.4855	
Flow Regime:	Subcritical	
Flow Area:	194.56	sq ft
Average Velocity:	4.74	ft/s
Maximum Velocity:	5.01	ft/s
Composite n:	0.0546	
Hydraulic Radius:	1.31	ft
Wetted Perimeter:	148.64	ft
Wetted Top Width:	148.50	ft
Critical Slope:	0.0911	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S16S–~~45~~ 780

Entellus™

File: T3N-R6W-S16S.dwg Date: 9/17/02



Normal Depth Results

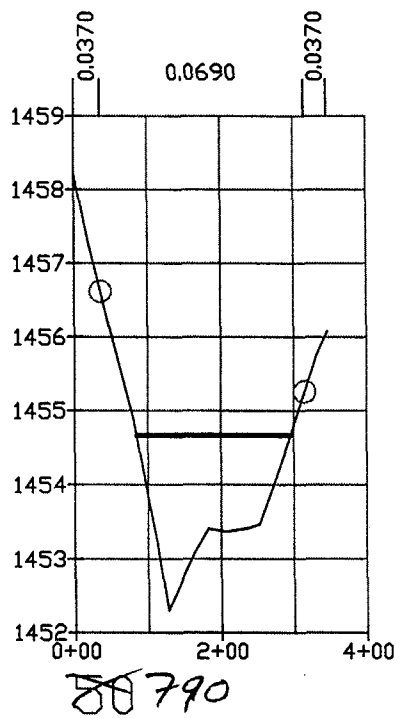
Cross-Section:	~~46~~ 785	
Elevation:	1442.79	ft MSL
Depth:	2.18	ft
Discharge:	930.00	cfs
Energy Gradient:	0.0201	ft/ft
Froude Number:	0.5363	
Flow Regime:	Subcritical	
Flow Area:	206.94	sq ft
Average Velocity:	4.46	ft/s
Maximum Velocity:	5.25	ft/s
Composite n:	0.0565	
Hydraulic Radius:	1.29	ft
Wetted Perimeter:	160.17	ft
Wetted Top Width:	160.09	ft
Critical Slope:	0.0717	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S16S–~~AG~~ 785

Entellus™

File: T3N-R6W-S16S.dwg Date: 9/17/02



Normal Depth Results

Cross-Section:	~~30~~ 790	
Elevation:	1454.67	ft MSL
Depth:	2.37	ft
Discharge:	930.00	cfs
Energy Gradient:	0.0201	ft/ft
Froude Number:	0.4072	
Flow Regime:	Subcritical	
Flow Area:	261.65	sq ft
Average Velocity:	3.53	ft/s
Maximum Velocity:	3.53	ft/s
Composite n:	0.069	
Hydraulic Radius:	1.24	ft
Wetted Perimeter:	211.21	ft
Wetted Top Width:	211.11	ft
Critical Slope:	0.1228	ft/ft

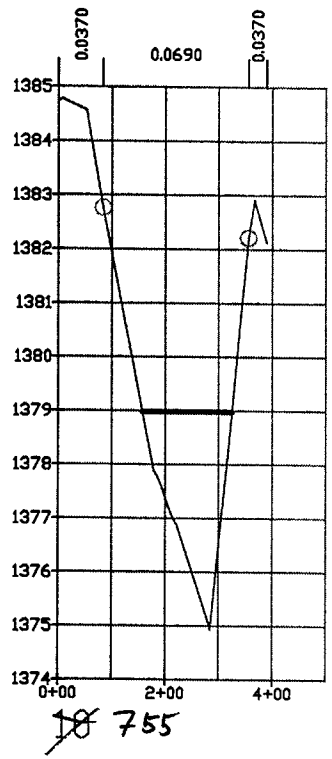
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S16S–~~30~~ 790

Entellus™

File: T3N-R6W-S16S.dwg Date: 9/17/02

T3N-R6W-S16W



Normal Depth Results

Cross-Section:	~~10~~ 755	
Elevation:	1378.98	ft MSL
Depth:	4.05	ft
Discharge:	1660.00	cfs
Energy Gradient:	0.0174	ft/ft
Froude Number:	0.4097	
Flow Regime:	Subcritical	
Flow Area:	354.94	sq ft
Average Velocity:	4.69	ft/s
Maximum Velocity:	4.69	ft/s
Composite n:	0.069	
Hydraulic Radius:	2.11	ft
Wetted Perimeter:	167.94	ft
Wetted Top Width:	167.67	ft
Critical Slope:	0.103	ft/ft

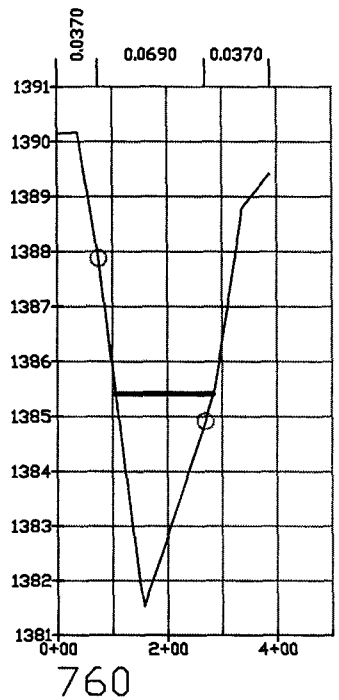
NOT USED FOR DELINEATION

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S16W–~~10~~ 755

Entellus™

File: T3N-R6W-S16W.dwg; Date: 9/03/02



Normal Depth Results

Cross-Section:	760	
Elevation:	1385.42	ft MSL
Depth:	3.89	ft
Discharge:	1660.00	cfs
Energy Gradient:	0.0174	ft/ft
Froude Number:	0.421	
Flow Regime:	Subcritical	
Flow Area:	352.64	sq ft
Average Velocity:	4.69	ft/s
Maximum Velocity:	4.72	ft/s
Composite n:	0.0667	
Hydraulic Radius:	1.98	ft
Wetted Perimeter:	177.69	ft
Wetted Top Width:	177.48	ft
Critical Slope:	0.1006	ft/ft

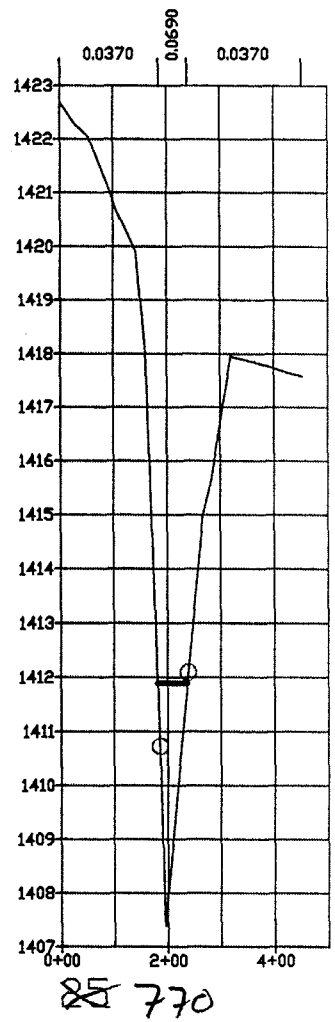
NOT USED IN DELINEATION

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S16W–760

Entellus™

File: T3N-R6W-S16W.dwg Date: 9/03/02



Normal Depth Results

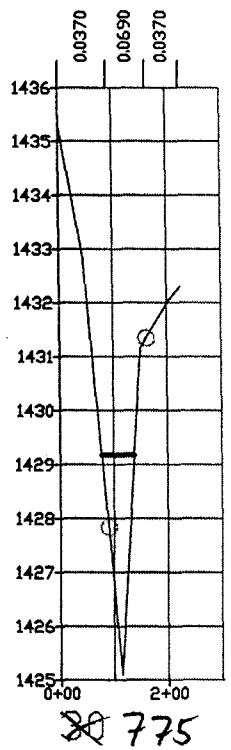
Cross-Section:	~~25~~ 770	
Elevation:	1411.90	ft MSL
Depth:	4.51	ft
Discharge:	610.00	cfs
Energy Gradient:	0.0174	ft/ft
Froude Number:	0.4127	
Flow Regime:	Subcritical	
Flow Area:	122.73	sq ft
Average Velocity:	4.96	ft/s
Maximum Velocity:	4.99	ft/s
Composite n:	0.0668	
Hydraulic Radius:	2.18	ft
Wetted Perimeter:	56.19	ft
Wetted Top Width:	55.22	ft
Critical Slope:	0.1029	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S16W–~~25~~ 770

Entellus™

File: T3N-R6W-S16W.dwg, Date: 9/03/02



Normal Depth Results

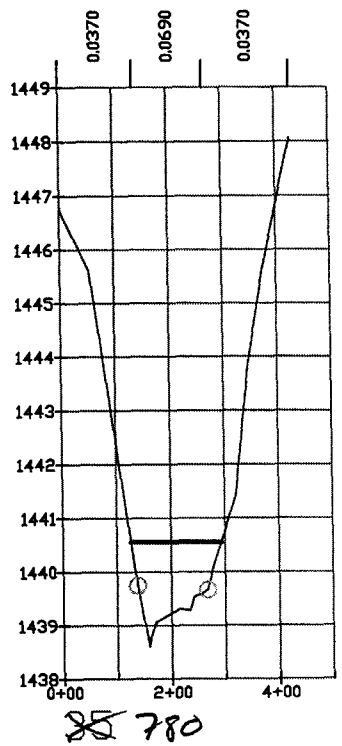
Cross-Section:	~~30~~ 775	
Elevation:	1429.18	ft MSL
Depth:	4.08	ft
Discharge:	610.00	cfs
Energy Gradient:	0.0174	ft/ft
Froude Number:	0.4342	
Flow Regime:	Subcritical	
Flow Area:	122.59	sq ft
Average Velocity:	4.99	ft/s
Maximum Velocity:	5.06	ft/s
Composite n:	0.0631	
Hydraulic Radius:	2.02	ft
Wetted Perimeter:	60.82	ft
Wetted Top Width:	60.24	ft
Critical Slope:	0.0925	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S16W–~~30~~ 775

Entellus™

File: T3N-R6W-S16W.dwg Date: 9/03/02



Normal Depth Results

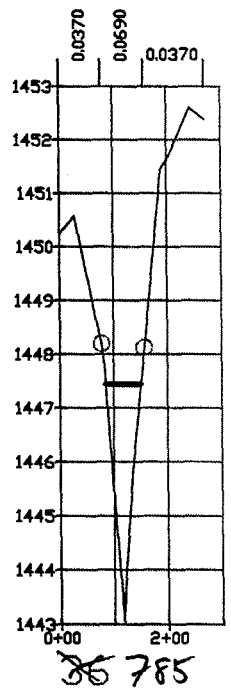
Cross-Section:	~~35~~ 780	
Elevation:	1440.56	ft MSL
Depth:	1.95	ft
Discharge:	610.00	cfs
Energy Gradient:	0.0174	ft/ft
Froude Number:	0.4214	
Flow Regime:	Subcritical	
Flow Area:	182.91	sq ft
Average Velocity:	3.34	ft/s
Maximum Velocity:	3.38	ft/s
Composite n:	0.0626	
Hydraulic Radius:	1.09	ft
Wetted Perimeter:	167.09	ft
Wetted Top Width:	167.00	ft
Critical Slope:	0.0981	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S16W–~~35~~ 780

Entellus™

File: T3N-R6W-S16W.dwg; Date: 9/03/02



Normal Depth Results

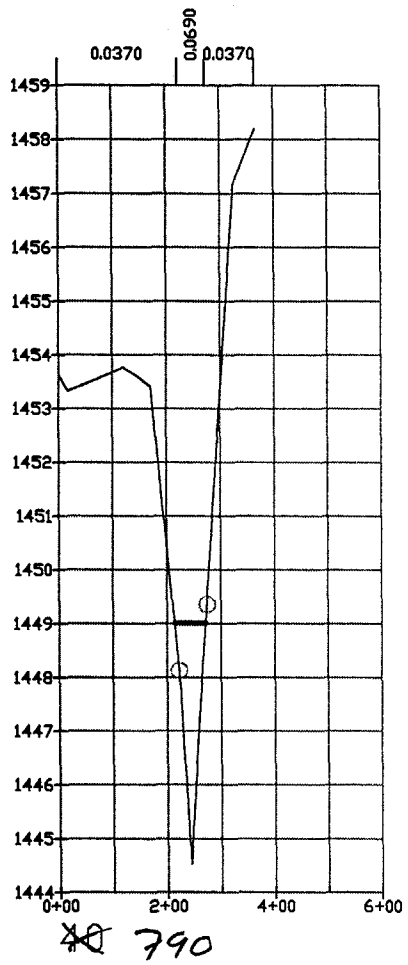
Cross-Section:	~~36~~ 785	
Elevation:	1447.45	ft MSL
Depth:	4.40	ft
Discharge:	610.00	cfs
Energy Gradient:	0.0174	ft/ft
Froude Number:	0.3827	
Flow Regime:	Subcritical	
Flow Area:	134.04	sq ft
Average Velocity:	4.56	ft/s
Maximum Velocity:	4.56	ft/s
Composite n:	0.069	
Hydraulic Radius:	2.02	ft
Wetted Perimeter:	66.28	ft
Wetted Top Width:	65.65	ft
Critical Slope:	0.1185	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S16W–~~36~~ 785

Entellus™

File: T3N-R6W-S16W.dwg Date: 9/03/02



Normal Depth Results

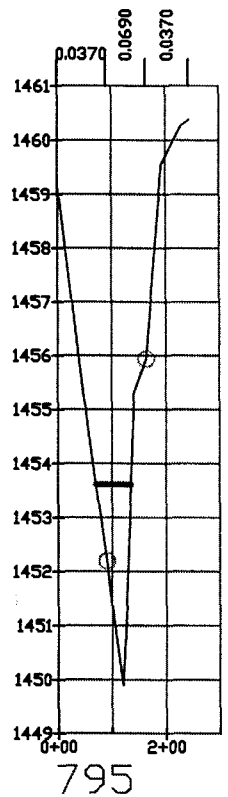
Cross-Section:	~~40~~ 790	
Elevation:	1449.01	ft MSL
Depth:	4.48	ft
Discharge:	610.00	cfs
Energy Gradient:	0.0174	ft/ft
Froude Number:	0.4171	
Flow Regime:	Subcritical	
Flow Area:	121.77	sq ft
Average Velocity:	5.01	ft/s
Maximum Velocity:	5.07	ft/s
Composite n:	0.0647	
Hydraulic Radius:	2.09	ft
Wetted Perimeter:	58.37	ft
Wetted Top Width:	57.66	ft
Critical Slope:	0.1022	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S16W–~~40~~ 790

Entellus™

File: T3N-K6W-S16W.dwg; Date: 9/03/02



Normal Depth Results

Cross-Section:	795	
Elevation:	1453.61	ft MSL
Depth:	3.71	ft
Discharge:	610.00	cfs
Energy Gradient:	0.0174	ft/ft
Froude Number:	0.4546	
Flow Regime:	Subcritical	
Flow Area:	122.74	sq ft
Average Velocity:	4.97	ft/s
Maximum Velocity:	5.07	ft/s
Composite n:	0.06	
Hydraulic Radius:	1.86	ft
Wetted Perimeter:	66.05	ft
Wetted Top Width:	65.45	ft
Critical Slope:	0.0849	ft/ft

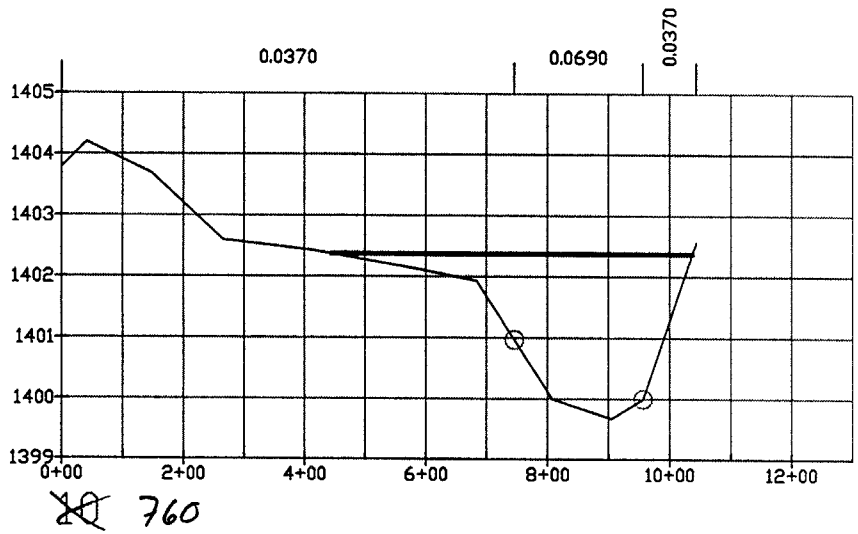
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S16W–795

Entellus™

File: T3N-R6W-S16W.dwg; Date: 9/03/02

T3N-R6W-S18W



Normal Depth Results

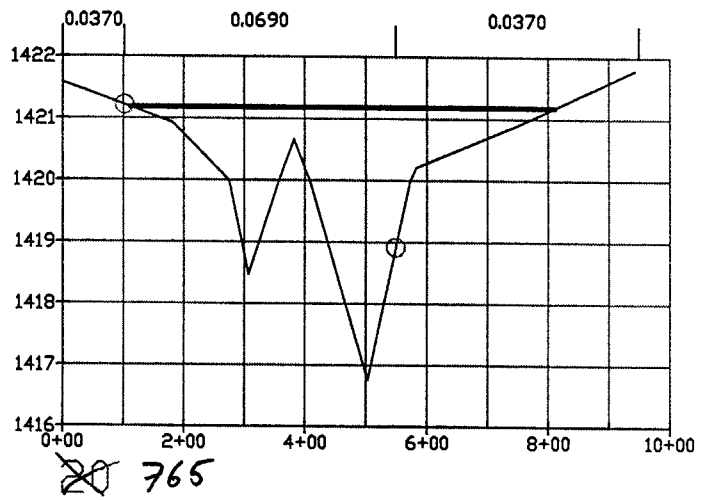
Cross-Section:	~~10~~ 760	
Elevation:	1402.37	ft MSL
Depth:	2.70	ft
Discharge:	3500.00	cfs
Energy Gradient:	0.019	ft/ft
Froude Number:	0.5382	
Flow Regime:	Subcritical	
Flow Area:	697.47	sq ft
Average Velocity:	5.01	ft/s
Maximum Velocity:	6.22	ft/s
Composite n:	0.0495	
Hydraulic Radius:	1.18	ft
Wetted Perimeter:	592.22	ft
Wetted Top Width:	592.17	ft
Critical Slope:	0.0773	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S18W–~~10~~ 760

Entellus™

File: T3N-R6W-S18W-New-Mapping.dwg Date: 9/25/02



Normal Depth Results

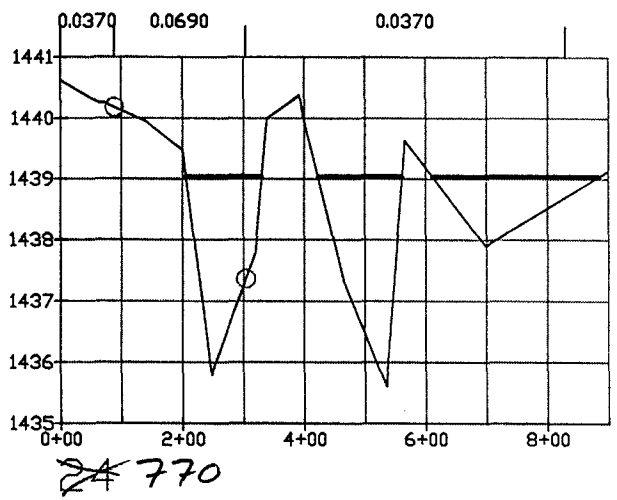
Cross-Section:	~~20~~ 765	
Elevation:	1421.19	ft MSL
Depth:	4.42	ft
Discharge:	3500.00	cfs
Energy Gradient:	0.019	ft/ft
Froude Number:	0.3396	
Flow Regime:	Subcritical	
Flow Area:	864.52	sq ft
Average Velocity:	4.07	ft/s
Maximum Velocity:	4.08	ft/s
Composite n:	0.058	
Hydraulic Radius:	1.24	ft
Wetted Perimeter:	699.88	ft
Wetted Top Width:	699.66	ft
Critical Slope:	0.1629	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S18W–~~20~~ 765

Entellus™

File: T3N-R6W-S18W-New-Mapping.dwg Date: 9/25/02



Normal Depth Results

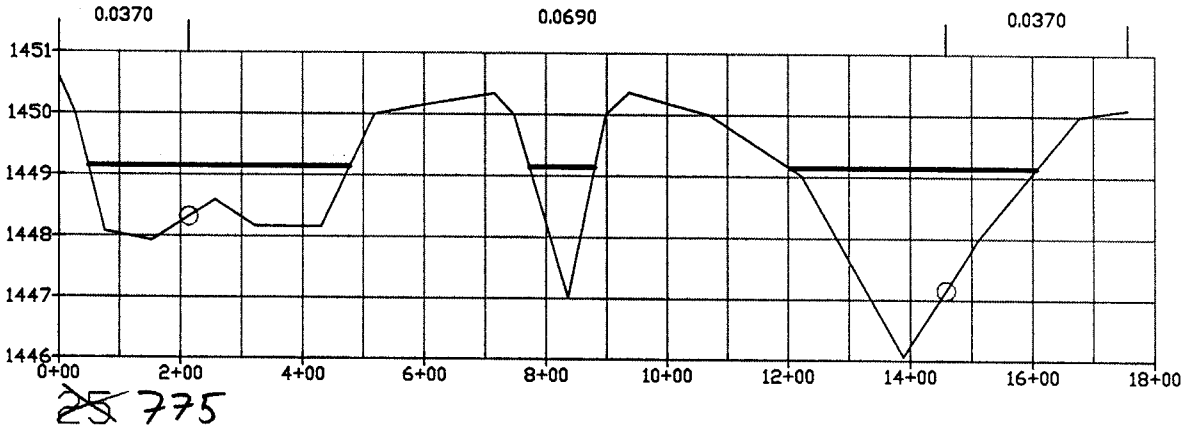
Cross-Section:	~~24~~ 770	
Elevation:	1439.04	ft MSL
Depth:	3.43	ft
Discharge:	3500.00	cfs
Energy Gradient:	0.019	ft/ft
Froude Number:	0.5119	
Flow Regime:	Subcritical	
Flow Area:	651.08	sq ft
Average Velocity:	5.38	ft/s
Maximum Velocity:	5.61	ft/s
Composite n:	0.0436	
Hydraulic Radius:	1.21	ft
Wetted Perimeter:	536.53	ft
Wetted Top Width:	536.02	ft
Critical Slope:	0.0732	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S18W–~~24~~ 770

Entellus™

File: T3N-R6W-S18W-New-Mapping.dwg Date: 9/30/02



Normal Depth Results

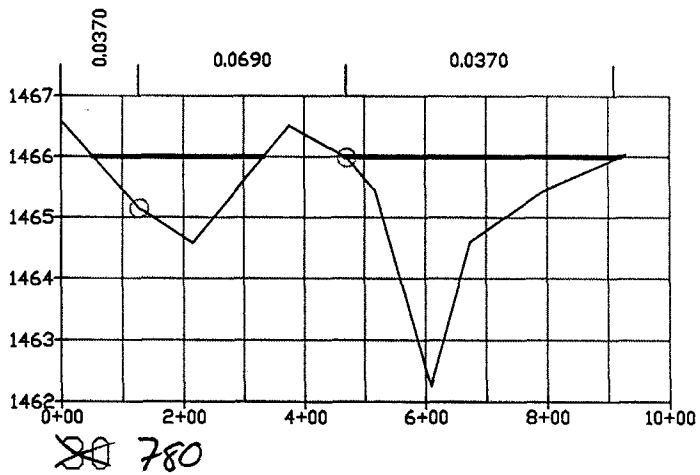
Cross-Section:	~~25~~ 775	
Elevation:	1449.15	ft MSL
Depth:	3.08	ft
Discharge:	4240.00	cfs
Energy Gradient:	0.019	ft/ft
Froude Number:	0.3985	
Flow Regime:	Subcritical	
Flow Area:	1069.46	sq ft
Average Velocity:	3.98	ft/s
Maximum Velocity:	5.54	ft/s
Composite n:	0.0593	
Hydraulic Radius:	1.14	ft
Wetted Perimeter:	939.74	ft
Wetted Top Width:	939.57	ft
Critical Slope:	0.1321	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S18W–~~25~~ 775

Entellus™

File: T3N-R6W-S18W-New-Mapping.dwg Date: 9/19/02



Normal Depth Results

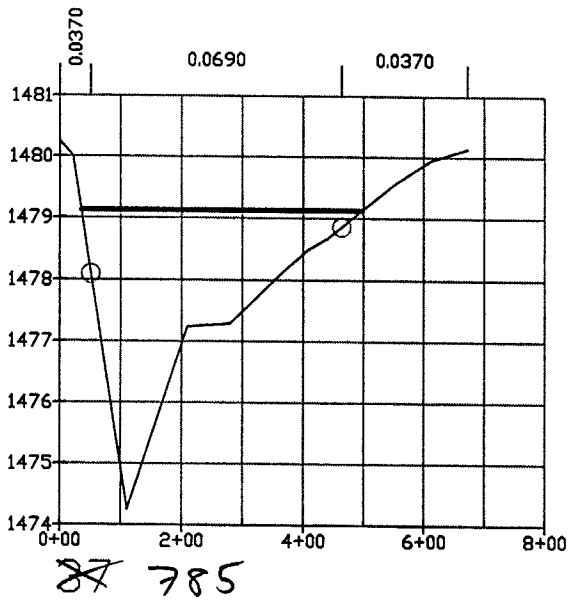
Cross-Section:	~~30~~ 780	
Elevation:	1466.00	ft MSL
Depth:	3.75	ft
Discharge:	3920.00	cfs
Energy Gradient:	0.019	ft/ft
Froude Number:	0.4766	
Flow Regime:	Subcritical	
Flow Area:	748.51	sq ft
Average Velocity:	5.23	ft/s
Maximum Velocity:	6.21	ft/s
Composite n:	0.0471	
Hydraulic Radius:	1.02	ft
Wetted Perimeter:	732.60	ft
Wetted Top Width:	732.48	ft
Critical Slope:	0.1174	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S18W–~~30~~ 780

Entellus™

File: T3N-R6W-S18W-New-Mapping.dwg Date: 9/19/02



Normal Depth Results

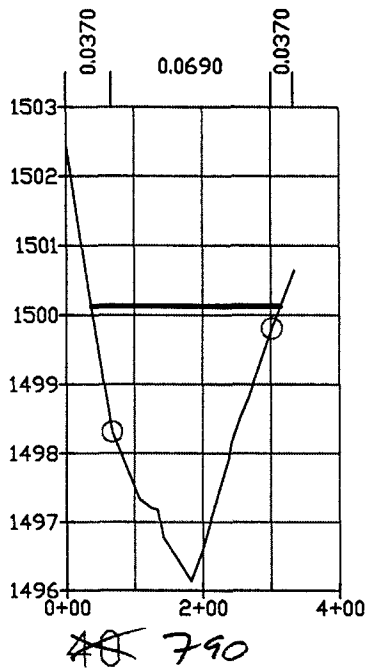
Cross-Section:	~~37~~ 785	
Elevation:	1479.13	ft MSL
Depth:	4.88	ft
Discharge:	3920.00	cfs
Energy Gradient:	0.019	ft/ft
Froude Number:	0.3752	
Flow Regime:	Subcritical	
Flow Area:	834.06	sq ft
Average Velocity:	4.68	ft/s
Maximum Velocity:	4.71	ft/s
Composite n:	0.0659	
Hydraulic Radius:	1.8	ft
Wetted Perimeter:	462.12	ft
Wetted Top Width:	461.91	ft
Critical Slope:	0.14	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S18W–~~37~~ 785

Entellus™

File: T3N-R6W-S18W-New-Mapping.dwg Date: 9/19/02



Normal Depth Results

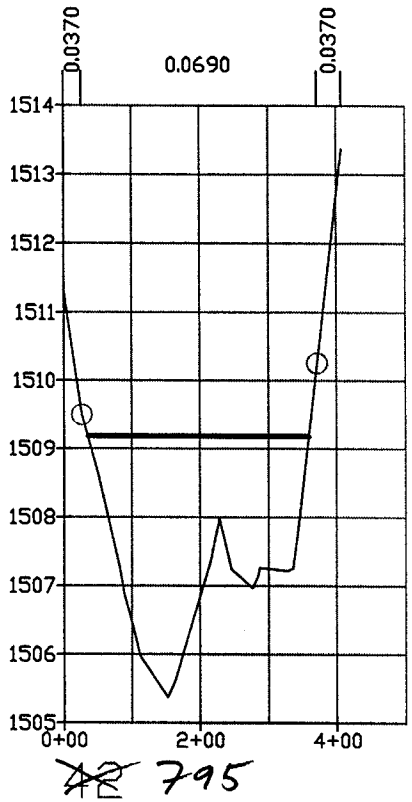
Cross-Section:	~~40~~ 790	
Elevation:	1500.13	ft MSL
Depth:	3.99	ft
Discharge:	3450.00	cfs
Energy Gradient:	0.019	ft/ft
Froude Number:	0.4863	
Flow Regime:	Subcritical	
Flow Area:	626.07	sq ft
Average Velocity:	5.52	ft/s
Maximum Velocity:	5.54	ft/s
Composite n:	0.0646	
Hydraulic Radius:	2.26	ft
Wetted Perimeter:	277.57	ft
Wetted Top Width:	277.43	ft
Critical Slope:	0.0816	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S18W–~~40~~ 790

Entellus™

File: T3N-R6W-S18W.dwg Date: 9/19/02



Normal Depth Results

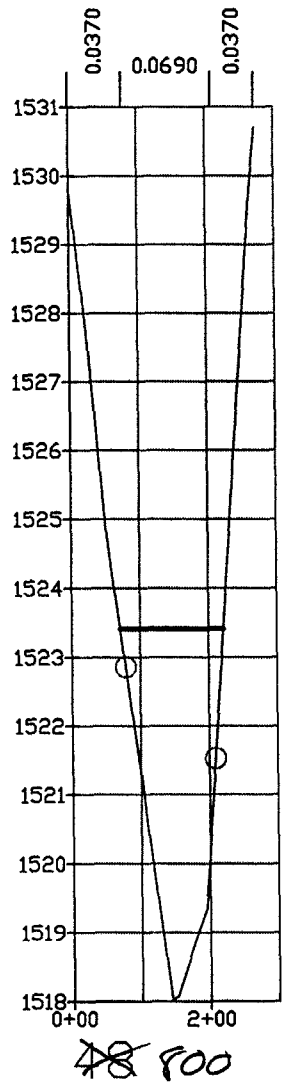
Cross-Section:	~~42~~ 795	
Elevation:	1509.19	ft MSL
Depth:	3.81	ft
Discharge:	3450.00	cfs
Energy Gradient:	0.019	ft/ft
Froude Number:	0.4481	
Flow Regime:	Subcritical	
Flow Area:	695.53	sq ft
Average Velocity:	4.95	ft/s
Maximum Velocity:	4.95	ft/s
Composite n:	0.069	
Hydraulic Radius:	2.14	ft
Wetted Perimeter:	324.35	ft
Wetted Top Width:	324.13	ft
Critical Slope:	0.095	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S18W–~~42~~ 795

Entellus™

File: T3N-R6W-S18W.dwg Date: 9/19/02



Normal Depth Results

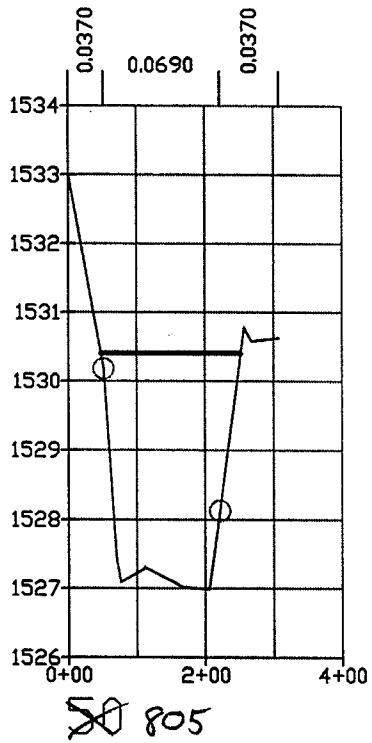
Cross-Section:	~~48~~ 800	
Elevation:	1523.42	ft MSL
Depth:	5.40	ft
Discharge:	3450.00	cfs
Energy Gradient:	0.019	ft/ft
Froude Number:	0.5308	
Flow Regime:	Subcritical	
Flow Area:	493.23	sq ft
Average Velocity:	7.01	ft/s
Maximum Velocity:	7.08	ft/s
Composite n:	0.0652	
Hydraulic Radius:	3.27	ft
Wetted Perimeter:	151.05	ft
Wetted Top Width:	150.53	ft
Critical Slope:	0.0686	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S18W–~~48~~ 800

Entellus™

File: T3N-R6W-S18W.dwg Date: 9/19/02



Normal Depth Results

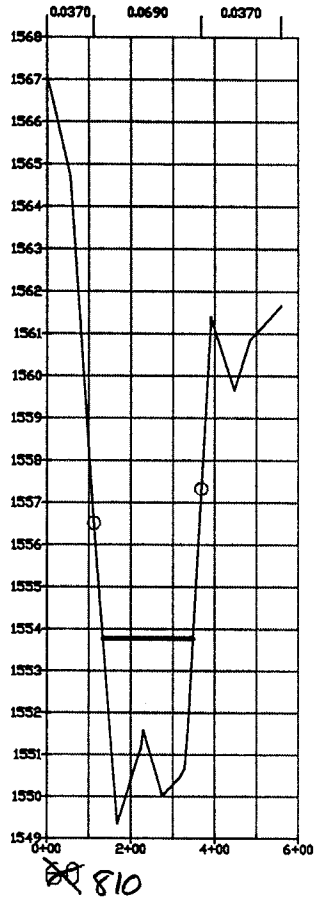
Cross-Section:	~~50~~ 805	
Elevation:	1530.40	ft MSL
Depth:	3.41	ft
Discharge:	3450.00	cfs
Energy Gradient:	0.019	ft/ft
Froude Number:	0.5952	
Flow Regime:	Subcritical	
Flow Area:	552.90	sq ft
Average Velocity:	6.23	ft/s
Maximum Velocity:	6.25	ft/s
Composite n:	0.0641	
Hydraulic Radius:	2.7	ft
Wetted Perimeter:	204.72	ft
Wetted Top Width:	204.38	ft
Critical Slope:	0.0542	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S18W–~~50~~ 805

Entellus™

File: T3N-R6W-S18W.dwg Date: 9/19/02



Normal Depth Results

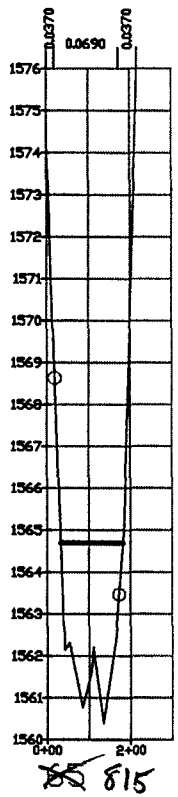
Cross-Section:	~~80~~ 810	
Elevation:	1553.78	ft MSL
Depth:	4.43	ft
Discharge:	3920.00	cfs
Energy Gradient:	0.019	ft/ft
Froude Number:	0.5145	
Flow Regime:	Subcritical	
Flow Area:	638.28	sq ft
Average Velocity:	6.15	ft/s
Maximum Velocity:	6.15	ft/s
Composite n:	0.069	
Hydraulic Radius:	2.97	ft
Wetted Perimeter:	215.08	ft
Wetted Top Width:	214.47	ft
Critical Slope:	0.0716	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S18W–~~80~~ 810

Entellus™

File: T3N-R6W-S18W.dwg Date: 9/19/02



Normal Depth Results

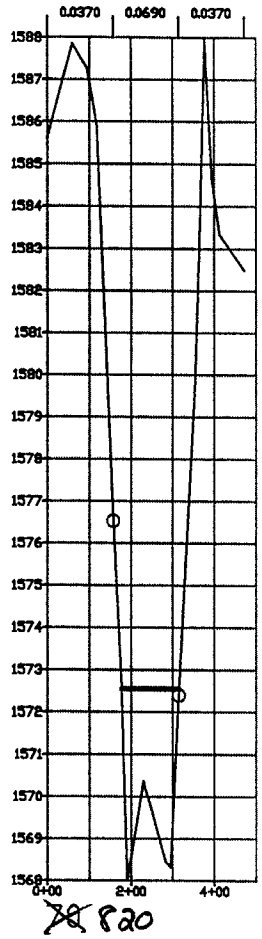
Cross-Section:	~~85~~ 815	
Elevation:	1564.70	ft MSL
Depth:	4.29	ft
Discharge:	2630.00	cfs
Energy Gradient:	0.019	ft/ft
Froude Number:	0.5246	
Flow Regime:	Subcritical	
Flow Area:	426.54	sq ft
Average Velocity:	6.15	ft/s
Maximum Velocity:	6.19	ft/s
Composite n:	0.0671	
Hydraulic Radius:	2.84	ft
Wetted Perimeter:	150.13	ft
Wetted Top Width:	149.40	ft
Critical Slope:	0.0697	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S18W–~~85~~ 815

Entellus™

File: T3N-R6W-S18W.dwg Date: 9/19/02



Normal Depth Results

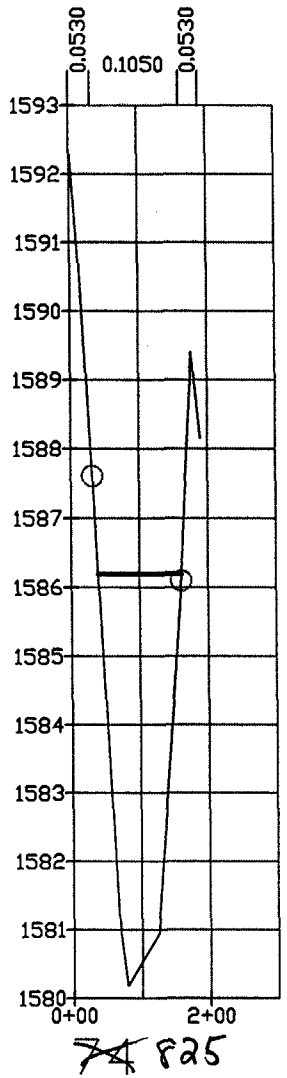
Cross-Section:	~~70~~ 820	
Elevation:	1572.55	ft MSL
Depth:	4.53	ft
Discharge:	2630.00	cfs
Energy Gradient:	0.019	ft/ft
Froude Number:	0.517	
Flow Regime:	Subcritical	
Flow Area:	421.11	sq ft
Average Velocity:	6.25	ft/s
Maximum Velocity:	6.25	ft/s
Composite n:	0.0688	
Hydraulic Radius:	3.02	ft
Wetted Perimeter:	139.23	ft
Wetted Top Width:	137.95	ft
Critical Slope:	0.0711	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S18W–~~70~~ 820

Entellus™

File: T3N-R6W-S18W.dwg Date: 9/19/02



Normal Depth Results

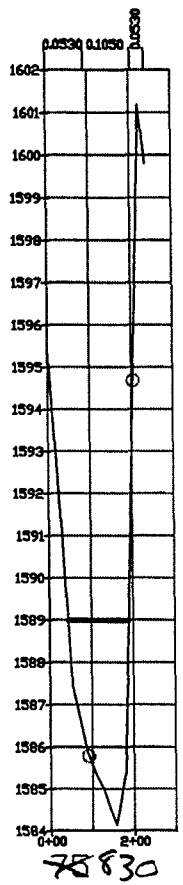
Cross-Section:	~~74~~ 825	
Elevation:	1586.19	ft MSL
Depth:	6.00	ft
Discharge:	2630.00	cfs
Energy Gradient:	0.023	ft/ft
Froude Number:	0.3886	
Flow Regime:	Subcritical	
Flow Area:	486.90	sq ft
Average Velocity:	5.41	ft/s
Maximum Velocity:	5.41	ft/s
Composite n:	0.1048	
Hydraulic Radius:	3.97	ft
Wetted Perimeter:	122.58	ft
Wetted Top Width:	121.70	ft
Critical Slope:	0.152	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S18W–~~74~~ 825

Entellus™

File: T3N-R6W-S18W.dwg Date: 9/19/02



Normal Depth Results

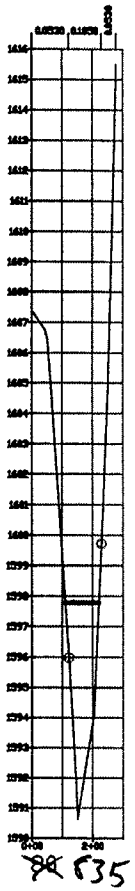
Cross-Section:	~~75~~ 830	
Elevation:	1588.99	ft MSL
Depth:	4.84	ft
Discharge:	2630.00	cfs
Energy Gradient:	0.023	ft/ft
Froude Number:	0.4456	
Flow Regime:	Subcritical	
Flow Area:	473.00	sq ft
Average Velocity:	5.57	ft/s
Maximum Velocity:	6.85	ft/s
Composite n:	0.0899	
Hydraulic Radius:	3.24	ft
Wetted Perimeter:	146.11	ft
Wetted Top Width:	145.23	ft
Critical Slope:	0.1185	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S18W–~~75~~ 830

Entellus™

File: T3N-R6W-S18W.dwg Date: 9/19/02



Normal Depth Results

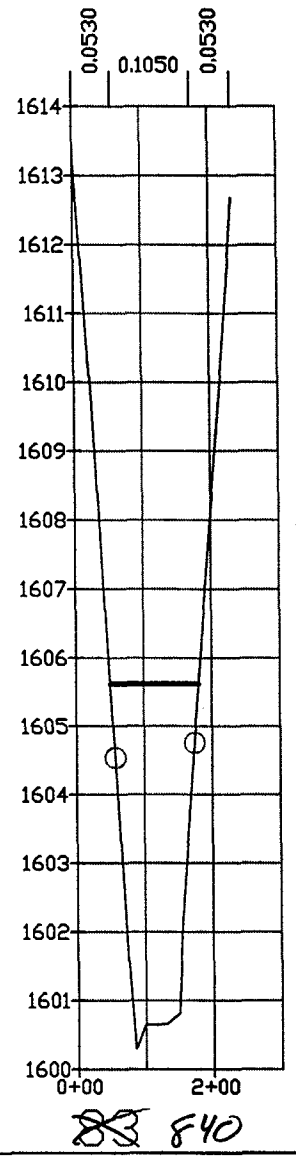
Cross-Section:	~~80~~ 835	
Elevation:	1597.79	ft MSL
Depth:	7.15	ft
Discharge:	2630.00	cfs
Energy Gradient:	0.023	ft/ft
Froude Number:	0.3818	
Flow Regime:	Subcritical	
Flow Area:	454.06	sq ft
Average Velocity:	5.78	ft/s
Maximum Velocity:	5.83	ft/s
Composite n:	0.1002	
Hydraulic Radius:	4.08	ft
Wetted Perimeter:	111.23	ft
Wetted Top Width:	110.06	ft
Critical Slope:	0.1597	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S18W–~~80~~ 835

Entellus™

File: T3N-R6W-S18W.dwg Date: 9/25/02



Normal Depth Results

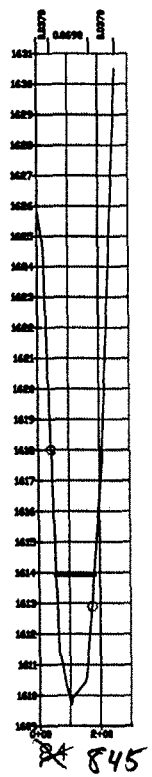
Cross-Section:	~~88~~ 840	
Elevation:	1605.63	ft MSL
Depth:	5.33	ft
Discharge:	2630.00	cfs
Energy Gradient:	0.023	ft/ft
Froude Number:	0.4154	
Flow Regime:	Subcritical	
Flow Area:	483.64	sq ft
Average Velocity:	5.45	ft/s
Maximum Velocity:	5.48	ft/s
Composite n:	0.1003	
Hydraulic Radius:	3.7	ft
Wetted Perimeter:	130.79	ft
Wetted Top Width:	129.99	ft
Critical Slope:	0.1358	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S18W–~~83~~ 840

Entellus™

File: T3N-R6W-S18W.dwg Date: 9/19/02



Normal Depth Results

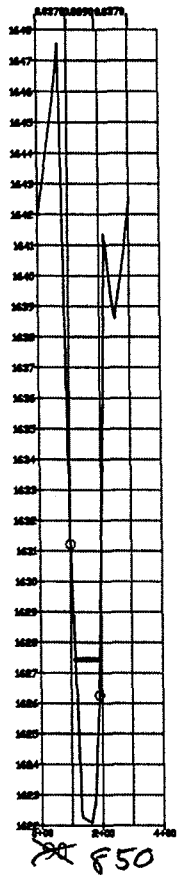
Cross-Section:	~~84~~ 845	
Elevation:	1613.94	ft MSL
Depth:	4.23	ft
Discharge:	2630.00	cfs
Energy Gradient:	0.023	ft/ft
Froude Number:	0.6001	
Flow Regime:	Subcritical	
Flow Area:	375.83	sq ft
Average Velocity:	7.02	ft/s
Maximum Velocity:	7.06	ft/s
Composite n:	0.0672	
Hydraulic Radius:	3	ft
Wetted Perimeter:	125.35	ft
Wetted Top Width:	124.76	ft
Critical Slope:	0.064	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S18W–~~84~~ 845

Entellus™

File: T3N-R6W-S18W.dwg Date: 9/25/02



Normal Depth Results

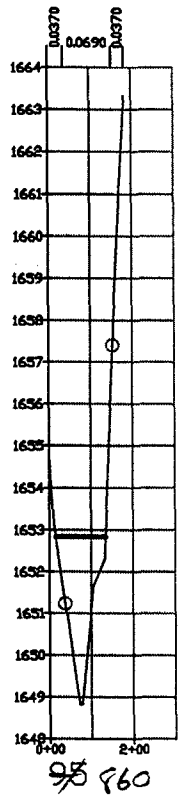
Cross-Section:	~~90~~ 850	
Elevation:	1627.44	ft MSL
Depth:	5.35	ft
Discharge:	2630.00	cfs
Energy Gradient:	0.023	ft/ft
Froude Number:	0.6323	
Flow Regime:	Subcritical	
Flow Area:	317.08	sq ft
Average Velocity:	8.28	ft/s
Maximum Velocity:	8.30	ft/s
Composite n:	0.0681	
Hydraulic Radius:	3.92	ft
Wetted Perimeter:	80.91	ft
Wetted Top Width:	79.48	ft
Critical Slope:	0.0581	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S18W–~~90~~ 850

Entellus™

File: T3N-R6W-S18W.dwg Date: 9/19/02



Normal Depth Results

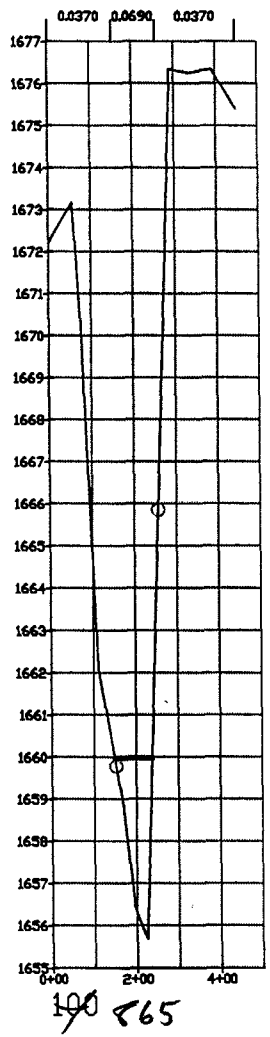
Cross-Section:	~~95~~ 860	
Elevation:	1652.84	ft MSL
Depth:	4.03	ft
Discharge:	1290.00	cfs
Energy Gradient:	0.023	ft/ft
Froude Number:	0.4869	
Flow Regime:	Subcritical	
Flow Area:	232.62	sq ft
Average Velocity:	5.54	ft/s
Maximum Velocity:	5.56	ft/s
Composite n:	0.0635	
Hydraulic Radius:	1.94	ft
Wetted Perimeter:	119.73	ft
Wetted Top Width:	119.37	ft
Critical Slope:	0.0972	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S18W–~~95~~ 860

Entellus™

File: T3N-R6W-S18W.dwg Date: 9/19/02



Normal Depth Results

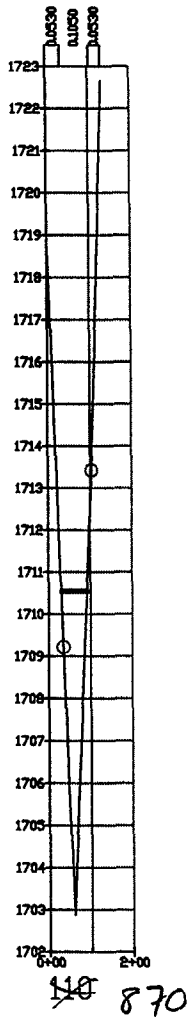
Cross-Section:	~~100~~ 865	
Elevation:	1659.98	ft MSL
Depth:	4.29	ft
Discharge:	1290.00	cfs
Energy Gradient:	0.023	ft/ft
Froude Number:	0.5119	
Flow Regime:	Subcritical	
Flow Area:	214.55	sq ft
Average Velocity:	6.03	ft/s
Maximum Velocity:	6.03	ft/s
Composite n:	0.0679	
Hydraulic Radius:	2.41	ft
Wetted Perimeter:	89.09	ft
Wetted Top Width:	88.28	ft
Critical Slope:	0.0887	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S18W–~~100~~ 865

Entellus™

File: T3N-R6W-S18W.dwg Date: 9/19/02



Normal Depth Results

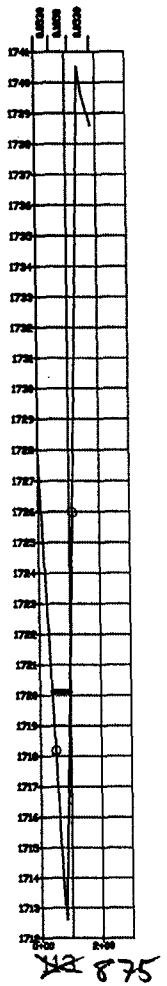
Cross-Section:	~~110~~ 870	
Elevation:	1710.55	ft MSL
Depth:	7.67	ft
Discharge:	1290.00	cfs
Energy Gradient:	0.023	ft/ft
Froude Number:	0.3449	
Flow Regime:	Subcritical	
Flow Area:	238.08	sq ft
Average Velocity:	5.42	ft/s
Maximum Velocity:	5.45	ft/s
Composite n:	0.1014	
Hydraulic Radius:	3.76	ft
Wetted Perimeter:	63.34	ft
Wetted Top Width:	61.43	ft
Critical Slope:	0.1957	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S18W–~~110~~ 870

Entellus™

File: T3N-R6W-S18W.dwg Date: 9/19/02



Normal Depth Results

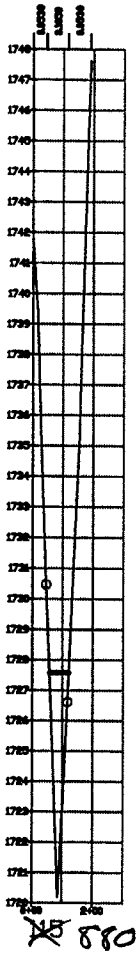
Cross-Section:	~~143~~ 875	
Elevation:	1720.12	ft MSL
Depth:	7.51	ft
Discharge:	1290.00	cfs
Energy Gradient:	0.023	ft/ft
Froude Number:	0.3626	
Flow Regime:	Subcritical	
Flow Area:	228.84	sq ft
Average Velocity:	5.63	ft/s
Maximum Velocity:	5.70	ft/s
Composite n:	0.0972	
Hydraulic Radius:	3.74	ft
Wetted Perimeter:	61.11	ft
Wetted Top Width:	58.84	ft
Critical Slope:	0.1771	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S18W–~~143~~ 875

Entellus™

File: T3N-R6W-S18W.dwg Date: 9/19/02



Normal Depth Results

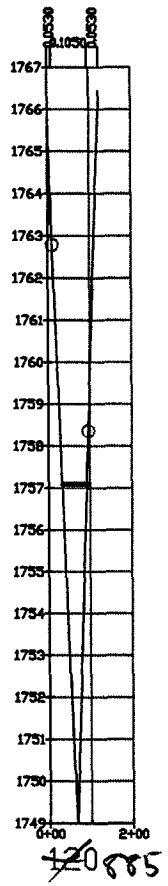
Cross-Section:	~~115~~ 880	
Elevation:	1727.58	ft MSL
Depth:	7.38	ft
Discharge:	1290.00	cfs
Energy Gradient:	0.023	ft/ft
Froude Number:	0.3457	
Flow Regime:	Subcritical	
Flow Area:	242.08	sq ft
Average Velocity:	5.33	ft/s
Maximum Velocity:	5.36	ft/s
Composite n:	0.102	
Hydraulic Radius:	3.7	ft
Wetted Perimeter:	65.48	ft
Wetted Top Width:	63.74	ft
Critical Slope:	0.1947	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S18W–~~115~~ 880

Entellus™

File: T3N-R6W-S18W.dwg Date: 9/19/02



Normal Depth Results

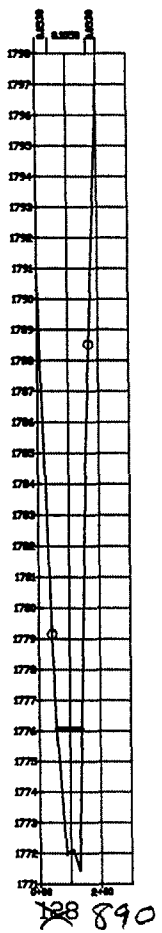
Cross-Section:	~~120~~ 885	
Elevation:	1757.09	ft MSL
Depth:	8.07	ft
Discharge:	1290.00	cfs
Energy Gradient:	0.023	ft/ft
Froude Number:	0.3326	
Flow Regime:	Subcritical	
Flow Area:	240.66	sq ft
Average Velocity:	5.36	ft/s
Maximum Velocity:	5.36	ft/s
Composite n:	0.105	
Hydraulic Radius:	3.93	ft
Wetted Perimeter:	61.31	ft
Wetted Top Width:	59.11	ft
Critical Slope:	0.2083	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S18W–~~120~~ 885

Entellus™

File: T3N-R6W-S18W.dwg Date: 9/19/02



Normal Depth Results

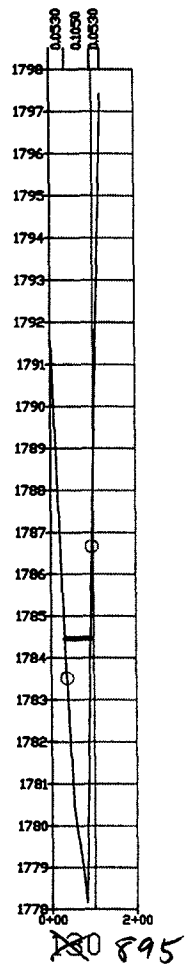
Cross-Section:	~~128~~ 890	
Elevation:	1776.07	ft MSL
Depth:	4.63	ft
Discharge:	1290.00	cfs
Energy Gradient:	0.0274	ft/ft
Froude Number:	0.411	
Flow Regime:	Subcritical	
Flow Area:	257.17	sq ft
Average Velocity:	5.01	ft/s
Maximum Velocity:	5.01	ft/s
Composite n:	0.105	
Hydraulic Radius:	3.11	ft
Wetted Perimeter:	82.60	ft
Wetted Top Width:	81.23	ft
Critical Slope:	0.1627	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S18W–1~~28~~890

Entellus™

File: T3N-R6W-S18W.dwg Date: 9/19/02



Normal Depth Results

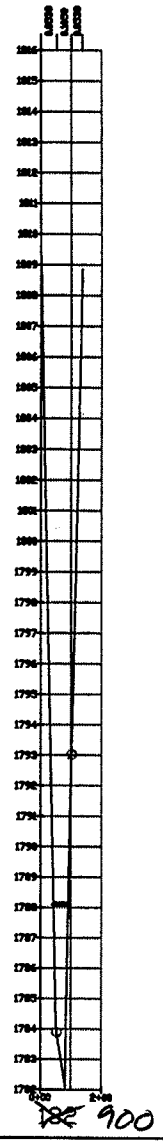
Cross-Section:	~~190~~ 895	
Elevation:	1784.47	ft MSL
Depth:	6.31	ft
Discharge:	1290.00	cfs
Energy Gradient:	0.0274	ft/ft
Froude Number:	0.4027	
Flow Regime:	Subcritical	
Flow Area:	224.84	sq ft
Average Velocity:	5.75	ft/s
Maximum Velocity:	5.77	ft/s
Composite n:	0.1018	
Hydraulic Radius:	3.62	ft
Wetted Perimeter:	62.15	ft
Wetted Top Width:	59.75	ft
Critical Slope:	0.1707	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S18W–~~180~~ 895

Entellus™

File: T3N-R6W-S18W.dwg Date: 9/19/02



Normal Depth Results

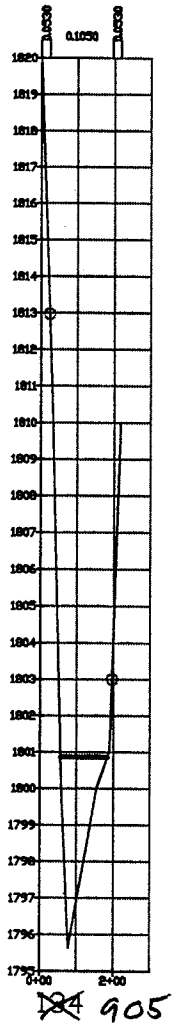
Cross-Section:	~~132~~ 900	
Elevation:	1788.11	ft MSL
Depth:	6.02	ft
Discharge:	1290.00	cfs
Energy Gradient:	0.0274	ft/ft
Froude Number:	0.4675	
Flow Regime:	Subcritical	
Flow Area:	198.23	sq ft
Average Velocity:	6.51	ft/s
Maximum Velocity:	8.10	ft/s
Composite n:	0.0945	
Hydraulic Radius:	3.89	ft
Wetted Perimeter:	50.96	ft
Wetted Top Width:	48.32	ft
Critical Slope:	0.1275	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S18W–1~~32~~ 900

Entellus™

File: T3N-R6W-S18W.dwg Date: 9/19/02



Normal Depth Results

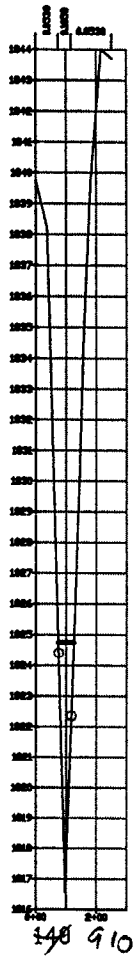
Cross-Section:	~~134~~ 905	
Elevation:	1800.87	ft MSL
Depth:	5.23	ft
Discharge:	1290.00	cfs
Energy Gradient:	0.0274	ft/ft
Froude Number:	0.3234	
Flow Regime:	Subcritical	
Flow Area:	307.38	sq ft
Average Velocity:	4.21	ft/s
Maximum Velocity:	4.21	ft/s
Composite n:	0.105	
Hydraulic Radius:	2.4	ft
Wetted Perimeter:	128.03	ft
Wetted Top Width:	127.24	ft
Critical Slope:	0.26	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S18W–~~134~~ 905

Entellus™

File: T3N-R6W-S18W-New-Mapping.dwg Date: 9/19/02



Normal Depth Results

Cross-Section:	~~140~~ 910	
Elevation:	1824.76	ft MSL
Depth:	8.18	ft
Discharge:	1290.00	cfs
Energy Gradient:	0.0274	ft/ft
Froude Number:	0.3864	
Flow Regime:	Subcritical	
Flow Area:	205.81	sq ft
Average Velocity:	6.28	ft/s
Maximum Velocity:	6.34	ft/s
Composite n:	0.0967	
Hydraulic Radius:	3.82	ft
Wetted Perimeter:	53.81	ft
Wetted Top Width:	51.23	ft
Critical Slope:	0.1852	ft/ft

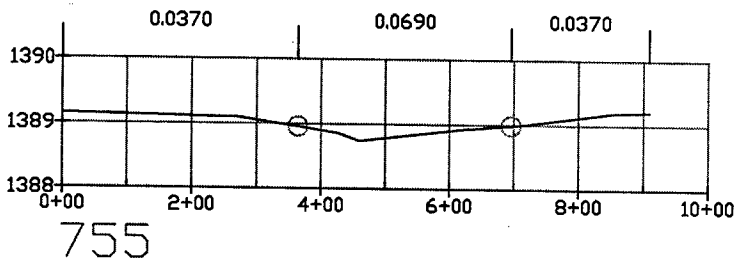
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S18W–~~140~~ 910

Entellus™

File: T3N-R6W-S18W.dwg Date: 9/19/02

T3N-R6W-S19



Normal Depth Results

Cross-Section:	755	
Elevation:	1390.14	ft MSL
Depth:	1.40	ft
Discharge:	4880.00	cfs
Energy Gradient:	0.0188	ft/ft
Froude Number:	0.7138	
Flow Regime:	Subcritical	
Flow Area:	1018.03	sq ft
Average Velocity:	4.75	ft/s
Maximum Velocity:	5.67	ft/s
Composite n:	0.0498	
Hydraulic Radius:	1.12	ft
Wetted Perimeter:	908.89	ft
Wetted Top Width:	908.89	ft
Critical Slope:	0.0434	ft/ft

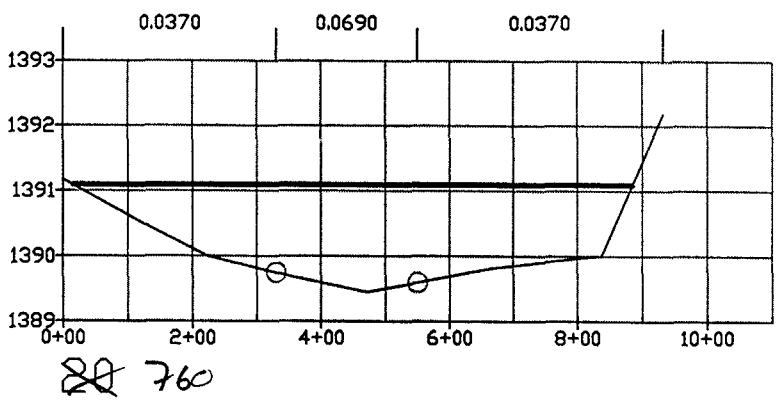
NOT USED IN DELINEATION

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S19–755

Entellus™

File: T3N-R6W-S19-New-Mapping.dwg Date: 5/16/02



Normal Depth Results

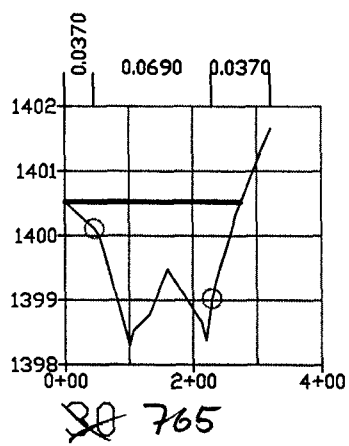
Cross-Section:	~~20~~ 760	
Elevation:	1391.09	ft MSL
Depth:	1.64	ft
Discharge:	4880.00	cfs
Energy Gradient:	0.0188	ft/ft
Froude Number:	0.692	
Flow Regime:	Subcritical	
Flow Area:	969.67	sq ft
Average Velocity:	4.99	ft/s
Maximum Velocity:	6.09	ft/s
Composite n:	0.046	
Hydraulic Radius:	1.11	ft
Wetted Perimeter:	869.91	ft
Wetted Top Width:	869.90	ft
Critical Slope:	0.0437	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S19–~~20~~ 760

Entellus™

File: T3N-R6W-S19-New-Mapping.dwg Date: 9/19/02



Normal Depth Results

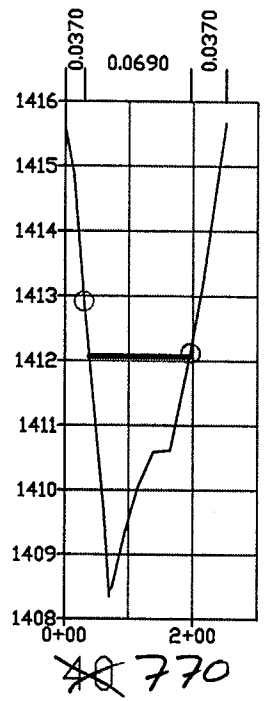
Cross-Section:	~~30~~ 765	
Elevation:	1400.53	ft MSL
Depth:	2.22	ft
Discharge:	1240.00	cfs
Energy Gradient:	0.0188	ft/ft
Froude Number:	0.4597	
Flow Regime:	Subcritical	
Flow Area:	319.10	sq ft
Average Velocity:	3.88	ft/s
Maximum Velocity:	4.44	ft/s
Composite n:	0.0594	
Hydraulic Radius:	1.16	ft
Wetted Perimeter:	274.76	ft
Wetted Top Width:	274.66	ft
Critical Slope:	0.0931	ft/ft

File: T3N-R6W-S19.dwg Date: 9/19/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S19–~~30~~ 765

Entellus™



Normal Depth Results

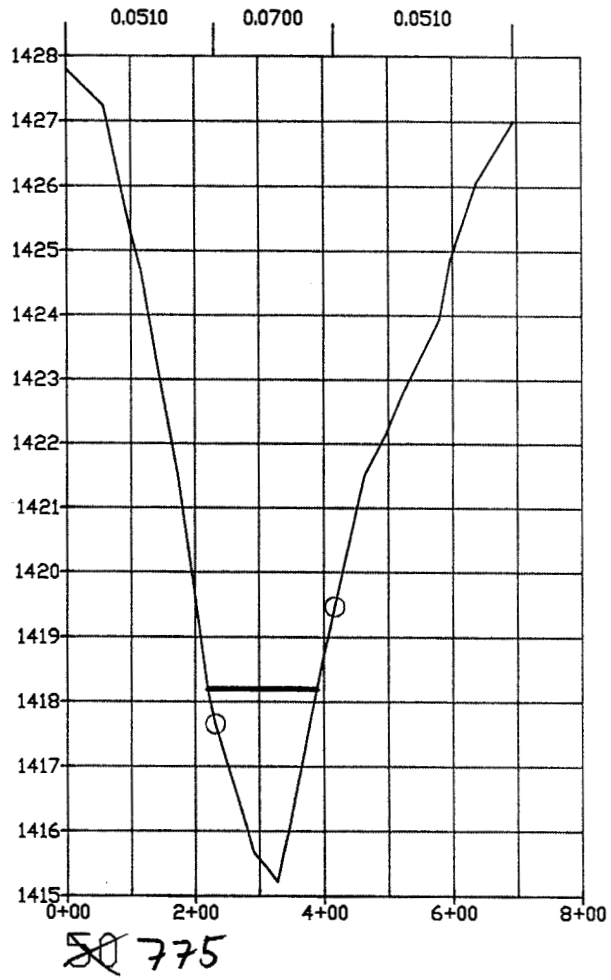
Cross-Section:	~~40~~ 770	
Elevation:	1412.07	ft MSL
Depth:	3.72	ft
Discharge:	1240.00	cfs
Energy Gradient:	0.0188	ft/ft
Froude Number:	0.3998	
Flow Regime:	Subcritical	
Flow Area:	283.34	sq ft
Average Velocity:	4.38	ft/s
Maximum Velocity:	4.38	ft/s
Composite n:	0.069	
Hydraulic Radius:	1.8	ft
Wetted Perimeter:	157.22	ft
Wetted Top Width:	156.92	ft
Critical Slope:	0.1171	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S19–~~40~~ 770

Entellus™

File: T3N-R6W-S19.dwg Date: 9/19/02



Normal Depth Results

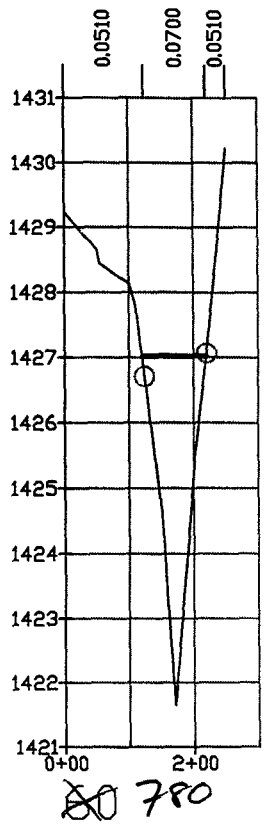
Cross-Section:	~~50~~ 775	
Elevation:	1418.20	ft MSL
Depth:	2.98	ft
Discharge:	1240.00	cfs
Energy Gradient:	0.0188	ft/ft
Froude Number:	0.4415	
Flow Regime:	Subcritical	
Flow Area:	287.04	sq ft
Average Velocity:	4.29	ft/s
Maximum Velocity:	4.32	ft/s
Composite n:	0.0687	
Hydraulic Radius:	1.7	ft
Wetted Perimeter:	169.30	ft
Wetted Top Width:	169.18	ft
Critical Slope:	0.1008	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S19–~~50~~ 775

Entellus™

File: T3N-R6W-S19.dwg Date: 9/19/02



Normal Depth Results

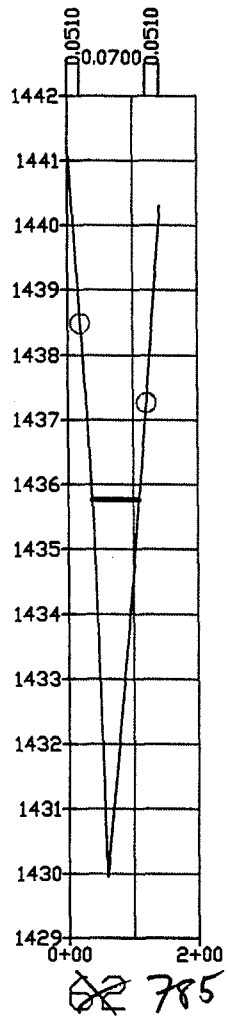
Cross-Section:	~~80~~ 780	
Elevation:	1427.02	ft MSL
Depth:	5.37	ft
Discharge:	1240.00	cfs
Energy Gradient:	0.0188	ft/ft
Froude Number:	0.4008	
Flow Regime:	Subcritical	
Flow Area:	235.40	sq ft
Average Velocity:	5.29	ft/s
Maximum Velocity:	5.30	ft/s
Composite n:	0.0693	
Hydraulic Radius:	2.36	ft
Wetted Perimeter:	99.93	ft
Wetted Top Width:	99.31	ft
Critical Slope:	0.1191	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S19–~~80~~ 780

Entellus™

File: T3N-R6W-S19.dwg Date: 9/19/02



Normal Depth Results

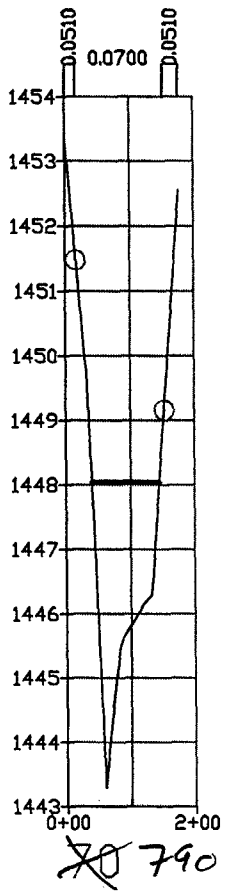
Cross-Section:	~~02~~ 785	
Elevation:	1435.77	ft MSL
Depth:	5.81	ft
Discharge:	1240.00	cfs
Energy Gradient:	0.0188	ft/ft
Froude Number:	0.432	
Flow Regime:	Subcritical	
Flow Area:	210.01	sq ft
Average Velocity:	5.91	ft/s
Maximum Velocity:	5.91	ft/s
Composite n:	0.07	
Hydraulic Radius:	2.88	ft
Wetted Perimeter:	72.95	ft
Wetted Top Width:	71.85	ft
Critical Slope:	0.1006	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S19–~~02~~ 785

Entellus™

File: T3N-R6W-S19.dwg Date: 9/19/02



Normal Depth Results

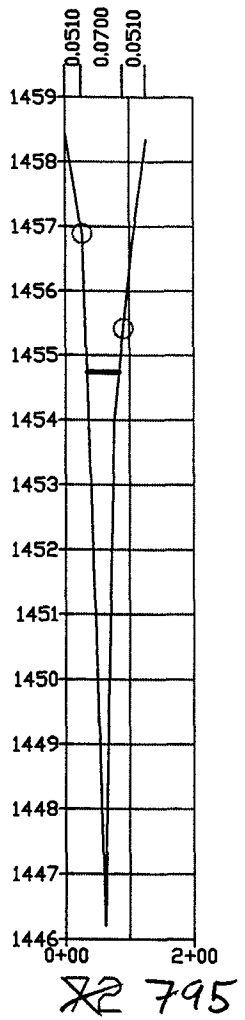
Cross-Section:	~~70~~ 790	
Elevation:	1448.04	ft MSL
Depth:	4.74	ft
Discharge:	1240.00	cfs
Energy Gradient:	0.0188	ft/ft
Froude Number:	0.4122	
Flow Regime:	Subcritical	
Flow Area:	243.52	sq ft
Average Velocity:	5.10	ft/s
Maximum Velocity:	5.10	ft/s
Composite n:	0.07	
Hydraulic Radius:	2.31	ft
Wetted Perimeter:	105.38	ft
Wetted Top Width:	104.59	ft
Critical Slope:	0.1102	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S19–~~70~~ 790

Entellus™

File: T3N-R6W-S19.dwg Date: 9/19/02



Normal Depth Results

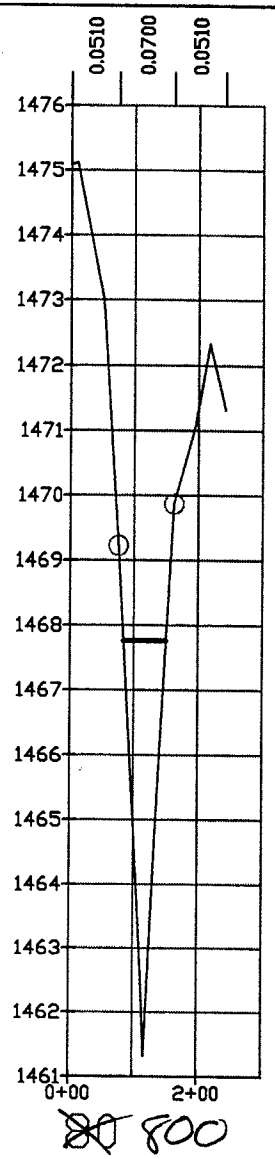
Cross-Section:	~~72~~ 795	
Elevation:	1454.74	ft MSL
Depth:	8.53	ft
Discharge:	1240.00	cfs
Energy Gradient:	0.0188	ft/ft
Froude Number:	0.4033	
Flow Regime:	Subcritical	
Flow Area:	185.58	sq ft
Average Velocity:	6.67	ft/s
Maximum Velocity:	6.67	ft/s
Composite n:	0.07	
Hydraulic Radius:	3.46	ft
Wetted Perimeter:	53.68	ft
Wetted Top Width:	50.39	ft
Critical Slope:	0.1159	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S19–~~72~~ 795

Entellus™

File: T3N-R6W-S19.dwg Date: 9/19/02



Normal Depth Results

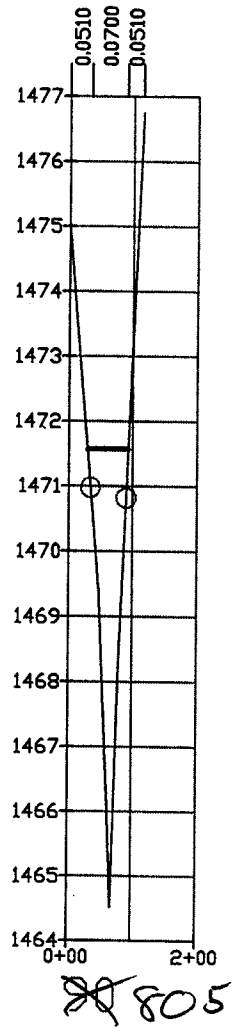
Cross-Section:	~~90~~ 800	
Elevation:	1467.77	ft MSL
Depth:	6.45	ft
Discharge:	1240.00	cfs
Energy Gradient:	0.0188	ft/ft
Froude Number:	0.4223	
Flow Regime:	Subcritical	
Flow Area:	203.87	sq ft
Average Velocity:	6.07	ft/s
Maximum Velocity:	6.07	ft/s
Composite n:	0.07	
Hydraulic Radius:	3	ft
Wetted Perimeter:	67.89	ft
Wetted Top Width:	66.64	ft
Critical Slope:	0.1056	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S19–~~80~~ 800

Entellus™

File: T3N-R6W-S19.dwg Date: 9/19/02



Normal Depth Results

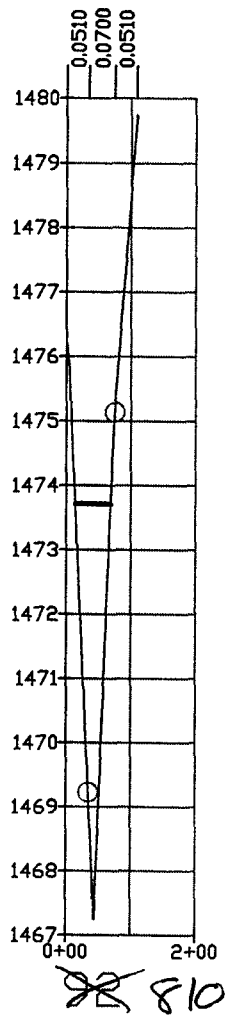
Cross-Section:	~~90~~ 805	
Elevation:	1471.57	ft MSL
Depth:	7.05	ft
Discharge:	1240.00	cfs
Energy Gradient:	0.0188	ft/ft
Froude Number:	0.4276	
Flow Regime:	Subcritical	
Flow Area:	192.55	sq ft
Average Velocity:	6.42	ft/s
Maximum Velocity:	6.49	ft/s
Composite n:	0.0677	
Hydraulic Radius:	2.94	ft
Wetted Perimeter:	65.59	ft
Wetted Top Width:	63.89	ft
Critical Slope:	0.1115	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S19–~~90~~ 805

Entellus™

File: T3N-R6W-S19.dwg Date: 9/19/02



Normal Depth Results

Cross-Section:	~~92~~ 810	
Elevation:	1473.72	ft MSL
Depth:	6.47	ft
Discharge:	1240.00	cfs
Energy Gradient:	0.0188	ft/ft
Froude Number:	0.4813	
Flow Regime:	Subcritical	
Flow Area:	178.63	sq ft
Average Velocity:	6.96	ft/s
Maximum Velocity:	7.02	ft/s
Composite n:	0.0632	
Hydraulic Radius:	3.16	ft
Wetted Perimeter:	56.59	ft
Wetted Top Width:	55.08	ft
Critical Slope:	0.0808	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S19–~~92~~ 810

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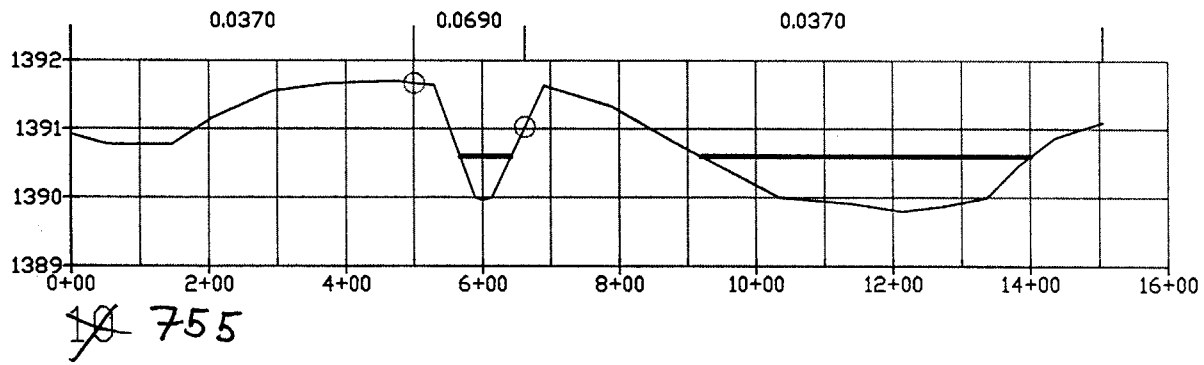
File: T3N-R6W-S19.dwg Date: 9/19/02

T3N-R6W-S20



Normal Depth Results

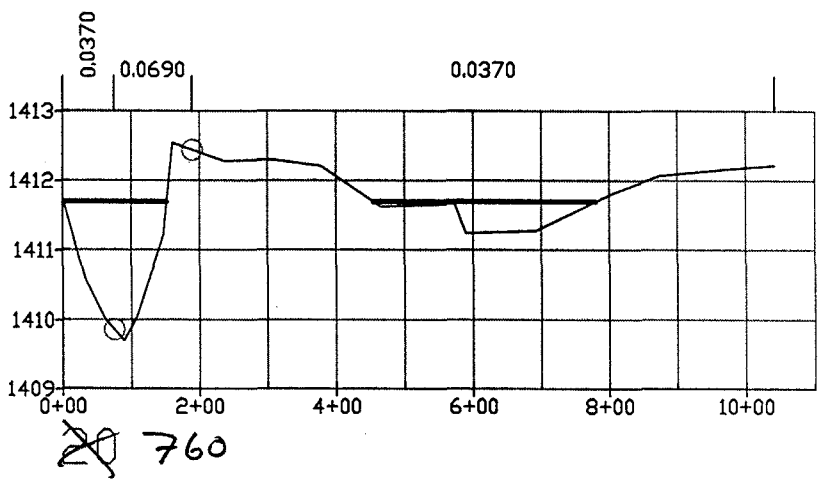
Cross-Section:	~~10~~ 755	
Elevation:	1390.60	ft MSL
Depth:	0.80	ft
Discharge:	1070.00	cfs
Energy Gradient:	0.0205	ft/ft
Froude Number:	0.7226	
Flow Regime:	Subcritical	
Flow Area:	292.48	sq ft
Average Velocity:	3.63	ft/s
Maximum Velocity:	3.85	ft/s
Composite n:	0.0419	
Hydraulic Radius:	0.53	ft
Wetted Perimeter:	555.10	ft
Wetted Top Width:	555.08	ft
Critical Slope:	0.0477	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S20–~~10~~ 755

Entellus™

File: T3N-R6W-S20-New-Mapping.dwg Date: 9/19/02



Normal Depth Results

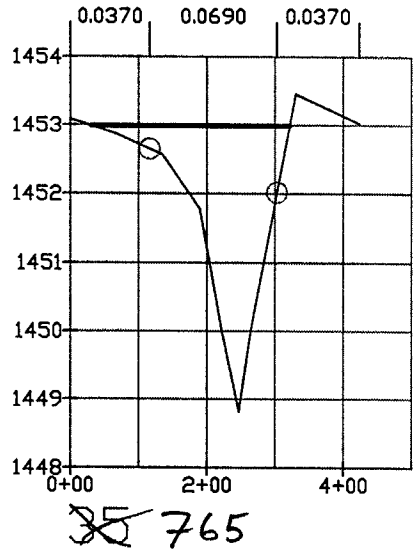
Cross-Section:	~~30~~ 760	
Elevation:	1411.69	ft MSL
Depth:	1.99	ft
Discharge:	1070.00	cfs
Energy Gradient:	0.0205	ft/ft
Froude Number:	0.5147	
Flow Regime:	Subcritical	
Flow Area:	259.54	sq ft
Average Velocity:	4.07	ft/s
Maximum Velocity:	6.18	ft/s
Composite n:	0.0429	
Hydraulic Radius:	0.55	ft
Wetted Perimeter:	476.16	ft
Wetted Top Width:	476.08	ft
Critical Slope:	0.1198	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S20–~~20~~ 760

Entellus™

File: T3N-R6W-S20-New-Mapping.dwg Date: 9/24/02



Normal Depth Results

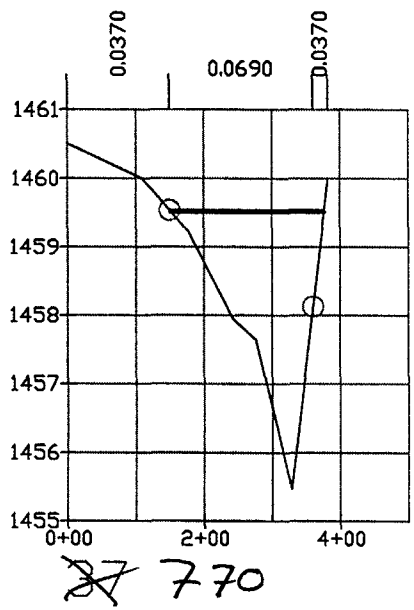
Cross-Section:	~~35~~ 765	
Elevation:	1452.99	ft MSL
Depth:	4.17	ft
Discharge:	1680.00	cfs
Energy Gradient:	0.0205	ft/ft
Froude Number:	0.3928	
Flow Regime:	Subcritical	
Flow Area:	369.18	sq ft
Average Velocity:	4.54	ft/s
Maximum Velocity:	4.67	ft/s
Composite n:	0.0585	
Hydraulic Radius:	1.27	ft
Wetted Perimeter:	290.78	ft
Wetted Top Width:	290.57	ft
Critical Slope:	0.1509	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S20–~~35~~ 765

Entellus™

File: T3N-R6W-S20-New-Mapping.dwg Date: 9/19/02



Normal Depth Results

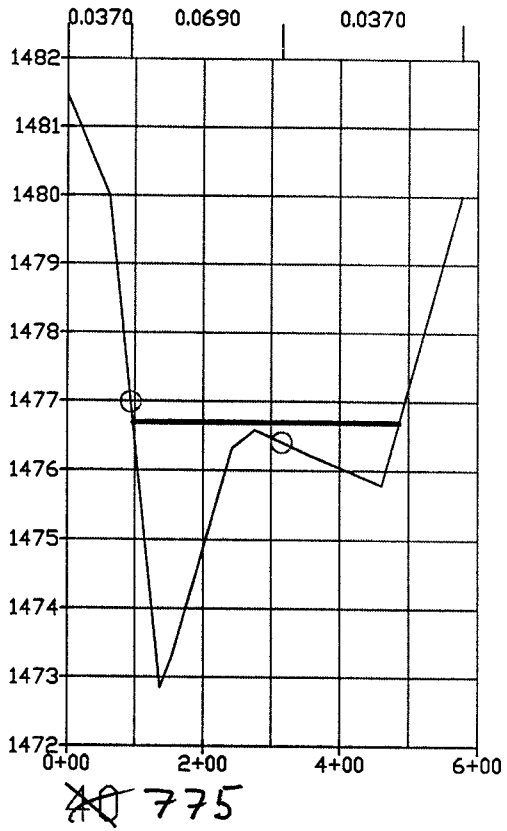
Cross-Section:	~~37~~ 770	
Elevation:	1459.52	ft MSL
Depth:	4.05	ft
Discharge:	1680.00	cfs
Energy Gradient:	0.0205	ft/ft
Froude Number:	0.3925	
Flow Regime:	Subcritical	
Flow Area:	374.98	sq ft
Average Velocity:	4.47	ft/s
Maximum Velocity:	4.51	ft/s
Composite n:	0.0669	
Hydraulic Radius:	1.66	ft
Wetted Perimeter:	225.33	ft
Wetted Top Width:	225.10	ft
Critical Slope:	0.1333	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S20–~~37~~ 770

Entellus™

File: T3N-R6W-S20-New-Mapping.dwg Date: 9/19/02



Normal Depth Results

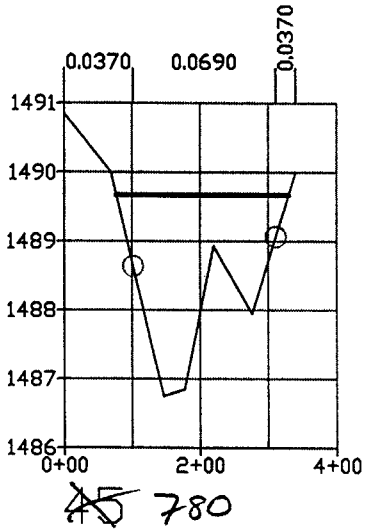
Cross-Section:	~~40~~ 775	
Elevation:	1476.70	ft MSL
Depth:	3.85	ft
Discharge:	1680.00	cfs
Energy Gradient:	0.0205	ft/ft
Froude Number:	0.3586	
Flow Regime:	Subcritical	
Flow Area:	421.06	sq ft
Average Velocity:	4.00	ft/s
Maximum Velocity:	4.01	ft/s
Composite n:	0.0561	
Hydraulic Radius:	1.08	ft
Wetted Perimeter:	389.45	ft
Wetted Top Width:	389.19	ft
Critical Slope:	0.1582	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S20–~~40~~ 775

Entellus™

File: T3N-R6W-S20-New-Mapping.dwg Date: 9/19/02



Normal Depth Results

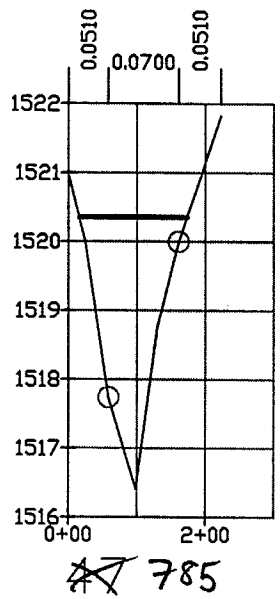
Cross-Section:	~~45~~ 780	
Elevation:	1489.67	ft MSL
Depth:	2.92	ft
Discharge:	1680.00	cfs
Energy Gradient:	0.0205	ft/ft
Froude Number:	0.4534	
Flow Regime:	Subcritical	
Flow Area:	382.03	sq ft
Average Velocity:	4.41	ft/s
Maximum Velocity:	4.46	ft/s
Composite n:	0.0641	
Hydraulic Radius:	1.51	ft
Wetted Perimeter:	252.99	ft
Wetted Top Width:	252.84	ft
Critical Slope:	0.1005	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S20–~~45~~ 780

Entellus™

File: T3N-R6W-S20-New-Mapping.dwg; Date: 9/19/02



Normal Depth Results

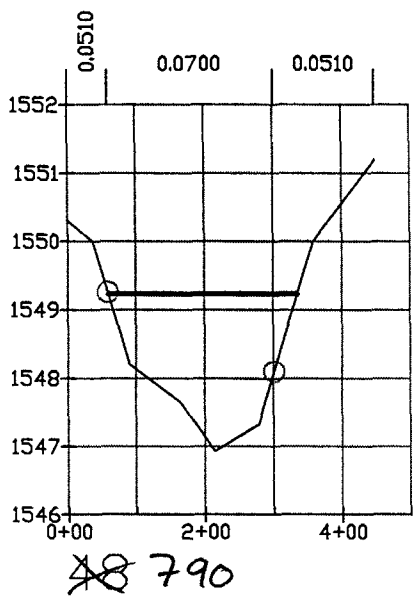
Cross-Section:	~~47~~ 785	
Elevation:	1520.36	ft MSL
Depth:	3.95	ft
Discharge:	1680.00	cfs
Energy Gradient:	0.0223	ft/ft
Froude Number:	0.4926	
Flow Regime:	Subcritical	
Flow Area:	302.67	sq ft
Average Velocity:	5.56	ft/s
Maximum Velocity:	5.73	ft/s
Composite n:	0.0637	
Hydraulic Radius:	1.92	ft
Wetted Perimeter:	157.72	ft
Wetted Top Width:	157.50	ft
Critical Slope:	0.0973	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S20–~~47~~ 785

Entellus™

File: T3N-R6W-S20-New-Mapping.dwg Date: 9/19/02



Normal Depth Results

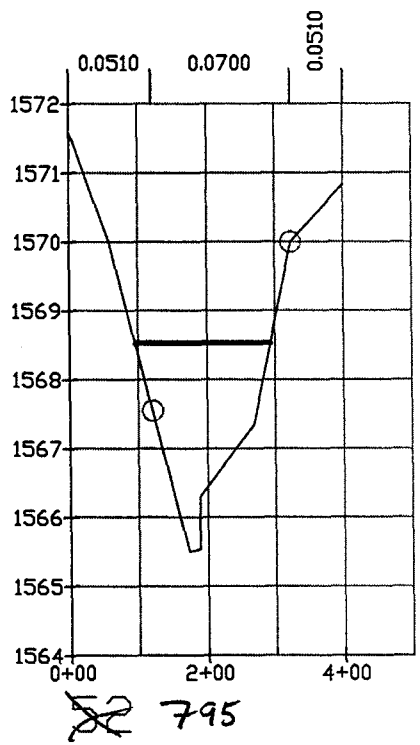
Cross-Section:	~~48~~ 790	
Elevation:	1549.23	ft MSL
Depth:	2.30	ft
Discharge:	1680.00	cfs
Energy Gradient:	0.0223	ft/ft
Froude Number:	0.4904	
Flow Regime:	Subcritical	
Flow Area:	397.94	sq ft
Average Velocity:	4.23	ft/s
Maximum Velocity:	4.29	ft/s
Composite n:	0.0678	
Hydraulic Radius:	1.44	ft
Wetted Perimeter:	275.59	ft
Wetted Top Width:	275.53	ft
Critical Slope:	0.094	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S20–~~48~~ 790

Entellus™

File: T3N-R6W-S20-New-Mapping.dwg Date: 9/19/02



Normal Depth Results

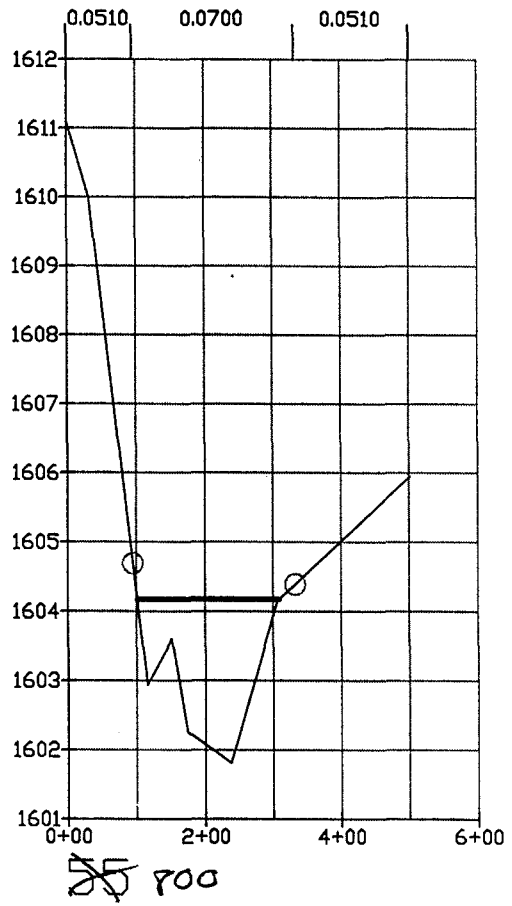
Cross-Section:	~~54~~ 795	
Elevation:	1568.53	ft MSL
Depth:	3.03	ft
Discharge:	1440.00	cfs
Energy Gradient:	0.0223	ft/ft
Froude Number:	0.4602	
Flow Regime:	Subcritical	
Flow Area:	316.81	sq ft
Average Velocity:	4.56	ft/s
Maximum Velocity:	4.63	ft/s
Composite n:	0.0677	
Hydraulic Radius:	1.6	ft
Wetted Perimeter:	198.28	ft
Wetted Top Width:	197.91	ft
Critical Slope:	0.1079	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S20–~~52~~ 795

Entellus™

File: T3N-R6W-S20-New-Mapping.dwg Date: 9/19/02



Normal Depth Results

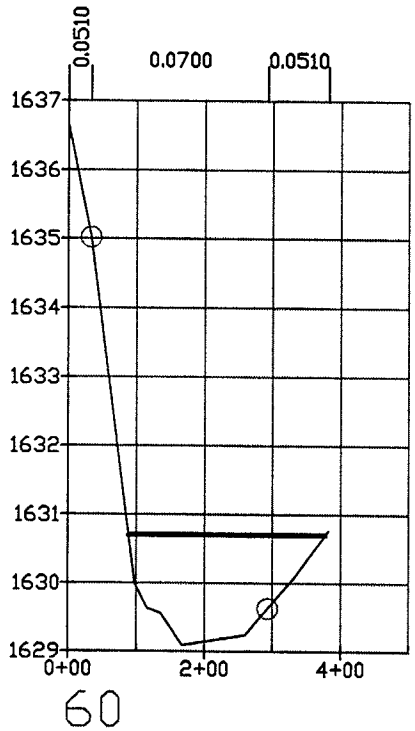
Cross-Section:	~~55~~ 800	
Elevation:	1604.17	ft MSL
Depth:	2.36	ft
Discharge:	1130.00	cfs
Energy Gradient:	0.0223	ft/ft
Froude Number:	0.4498	
Flow Regime:	Subcritical	
Flow Area:	288.05	sq ft
Average Velocity:	3.94	ft/s
Maximum Velocity:	3.94	ft/s
Composite n:	0.07	
Hydraulic Radius:	1.38	ft
Wetted Perimeter:	208.43	ft
Wetted Top Width:	208.29	ft
Critical Slope:	0.109	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S20–~~55~~ 800

Entellus™

File: T3N-R6W-S20-New-Mapping.dwg Date: 9/19/02



Normal Depth Results

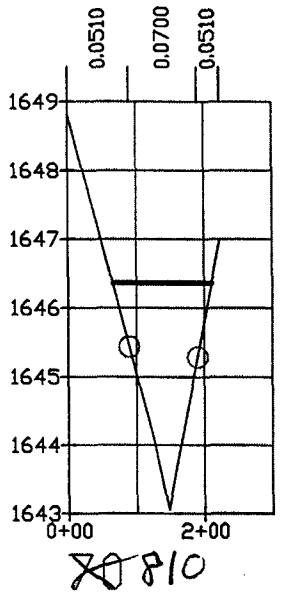
Cross-Section:	~~60~~ 805	
Elevation:	1630.71	ft MSL
Depth:	1.62	ft
Discharge:	1180.00	cfs
Energy Gradient:	0.0223	ft/ft
Froude Number:	0.5147	
Flow Regime:	Subcritical	
Flow Area:	317.81	sq ft
Average Velocity:	3.70	ft/s
Maximum Velocity:	3.83	ft/s
Composite n:	0.0647	
Hydraulic Radius:	1.1	ft
Wetted Perimeter:	289.42	ft
Wetted Top Width:	289.38	ft
Critical Slope:	0.0867	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S20–~~80~~ 805

Entellus™

File: T3N-R6W-S20-New-Mapping.dwg Date: 9/24/02



Normal Depth Results

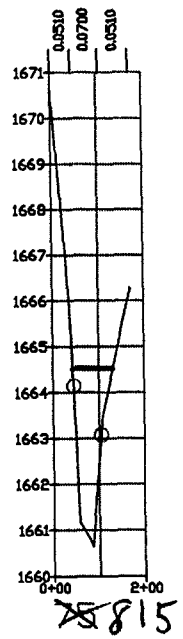
Cross-Section:	~~70~~ 810	
Elevation:	1646.36	ft MSL
Depth:	3.30	ft
Discharge:	1180.00	cfs
Energy Gradient:	0.0223	ft/ft
Froude Number:	0.4873	
Flow Regime:	Subcritical	
Flow Area:	234.81	sq ft
Average Velocity:	4.99	ft/s
Maximum Velocity:	5.22	ft/s
Composite n:	0.0644	
Hydraulic Radius:	1.61	ft
Wetted Perimeter:	146.04	ft
Wetted Top Width:	145.88	ft
Critical Slope:	0.1055	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S20–~~70~~ 810

Entellus™

File: T3N-R6W-S20-New-Mapping.dwg Date: 9/24/02



Normal Depth Results

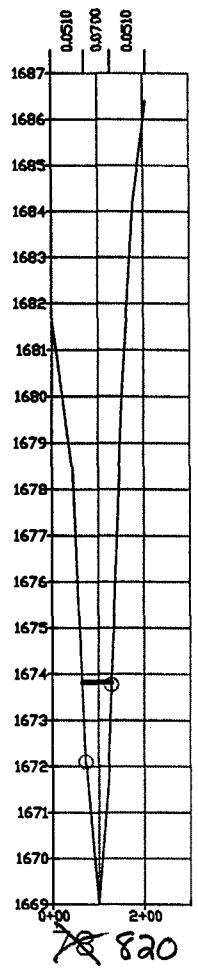
Cross-Section:	~~75~~ 815	
Elevation:	1664.53	ft MSL
Depth:	3.88	ft
Discharge:	1180.00	cfs
Energy Gradient:	0.0223	ft/ft
Froude Number:	0.5508	
Flow Regime:	Subcritical	
Flow Area:	191.72	sq ft
Average Velocity:	6.18	ft/s
Maximum Velocity:	6.48	ft/s
Composite n:	0.0641	
Hydraulic Radius:	2.16	ft
Wetted Perimeter:	88.66	ft
Wetted Top Width:	88.07	ft
Critical Slope:	0.0827	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S20–~~75~~ 815

Entellus™

File: T3N-R6W-S20.dwg Date: 9/19/02



Normal Depth Results

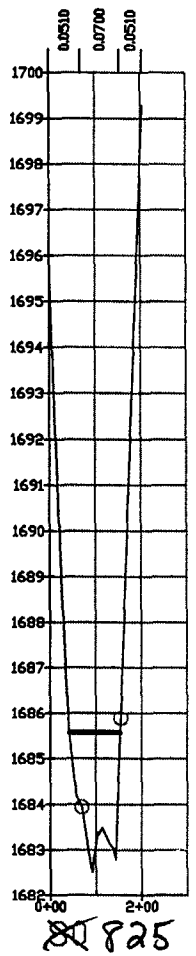
Cross-Section:	~~78~~ 820	
Elevation:	1673.83	ft MSL
Depth:	4.77	ft
Discharge:	1180.00	cfs
Energy Gradient:	0.0223	ft/ft
Froude Number:	0.5318	
Flow Regime:	Subcritical	
Flow Area:	179.15	sq ft
Average Velocity:	6.60	ft/s
Maximum Velocity:	6.70	ft/s
Composite n:	0.0677	
Hydraulic Radius:	2.78	ft
Wetted Perimeter:	64.45	ft
Wetted Top Width:	63.60	ft
Critical Slope:	0.0811	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S20–~~78~~ 820

Entellus™

File: T3N-R6W-S20.dwg Date: 9/19/02



Normal Depth Results

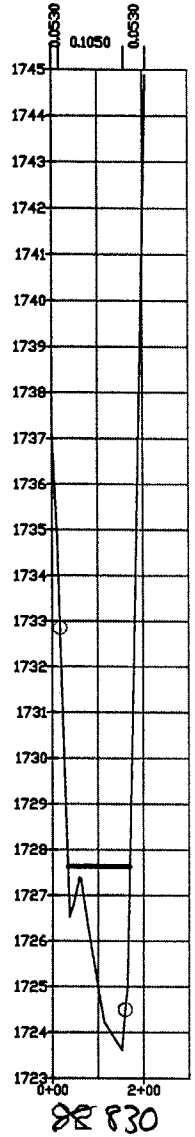
Cross-Section:	~~80~~ 825	
Elevation:	1685.58	ft MSL
Depth:	3.07	ft
Discharge:	1180.00	cfs
Energy Gradient:	0.0223	ft/ft
Froude Number:	0.5365	
Flow Regime:	Subcritical	
Flow Area:	221.26	sq ft
Average Velocity:	5.36	ft/s
Maximum Velocity:	5.49	ft/s
Composite n:	0.0655	
Hydraulic Radius:	1.97	ft
Wetted Perimeter:	112.57	ft
Wetted Top Width:	112.02	ft
Critical Slope:	0.0777	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S20–~~80~~ 825

Entellus™

File: T3N-R6W-S20.dwg Date: 9/19/02



Normal Depth Results

Cross-Section:	~~82~~ 830	
Elevation:	1727.63	ft MSL
Depth:	4.02	ft
Discharge:	1180.00	cfs
Energy Gradient:	0.0223	ft/ft
Froude Number:	0.3389	
Flow Regime:	Subcritical	
Flow Area:	306.17	sq ft
Average Velocity:	3.84	ft/s
Maximum Velocity:	6.50	ft/s
Composite n:	0.1013	
Hydraulic Radius:	2.23	ft
Wetted Perimeter:	137.40	ft
Wetted Top Width:	136.44	ft
Critical Slope:	0.2055	ft/ft

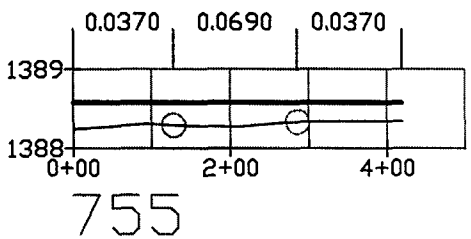
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S20–~~82~~ 830

Entellus™

File: T3N-R6W-S20.dwg Date: 9/19/02

T3N-R6W-S21



Normal Depth Results

Cross-Section:	755	
Elevation:	1388.57	ft MSL
Depth:	0.33	ft
Discharge:	150.00	cfs
Energy Gradient:	0.0087	ft/ft
Froude Number:	0.4026	
Flow Regime:	Subcritical	
Flow Area:	113.62	sq ft
Average Velocity:	1.29	ft/s
Maximum Velocity:	1.66	ft/s
Composite n:	0.0502	
Hydraulic Radius:	0.27	ft
Wetted Perimeter:	418.97	ft
Wetted Top Width:	418.97	ft
Critical Slope:	0.0695	ft/ft

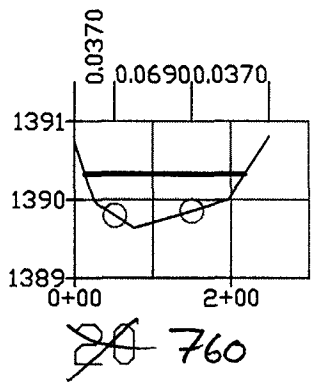
NOT USED IN DELINEATION

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S21–755

Entellus™

File: T3N-R6W-S21-New-Mapping.dwg Date: 5/16/02



Normal Depth Results

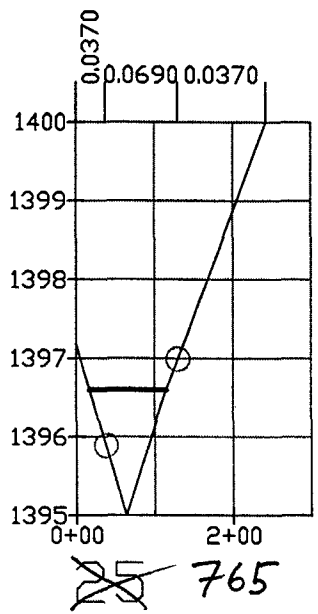
Cross-Section:	~~20~~ 760	
Elevation:	1390.33	ft MSL
Depth:	0.69	ft
Discharge:	150.00	cfs
Energy Gradient:	0.0087	ft/ft
Froude Number:	0.3385	
Flow Regime:	Subcritical	
Flow Area:	93.95	sq ft
Average Velocity:	1.57	ft/s
Maximum Velocity:	1.91	ft/s
Composite n:	0.0536	
Hydraulic Radius:	0.46	ft
Wetted Perimeter:	204.53	ft
Wetted Top Width:	204.52	ft
Critical Slope:	0.0812	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S21–~~20~~ 76a

Entellus™

File: T3N-R6W-S21-New-Mapping.dwg Date: 9/19/02



Normal Depth Results

Cross-Section:	~~25~~ 765	
Elevation:	1396.60	ft MSL
Depth:	1.60	ft
Discharge:	150.00	cfs
Energy Gradient:	0.0087	ft/ft
Froude Number:	0.2684	
Flow Regime:	Subcritical	
Flow Area:	77.96	sq ft
Average Velocity:	1.89	ft/s
Maximum Velocity:	1.90	ft/s
Composite n:	0.0629	
Hydraulic Radius:	0.8	ft
Wetted Perimeter:	97.97	ft
Wetted Top Width:	97.92	ft
Critical Slope:	0.1245	ft/ft

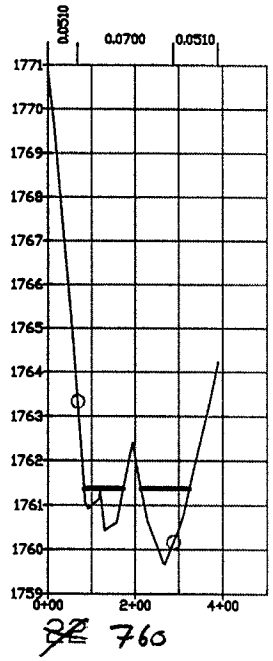
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R6W–S21–~~25~~ 765

Entellus™

File: T3N-R6W-S21-New-Mapping.dwg Date: 9/19/02

T3N-R7W-S05



Normal Depth Results

Cross-Section:	~~22~~ 760	
Elevation:	1761.38	ft MSL
Depth:	1.71	ft
Discharge:	430.00	cfs
Energy Gradient:	0.0216	ft/ft
Froude Number:	0.3741	
Flow Regime:	Subcritical	
Flow Area:	154.95	sq ft
Average Velocity:	2.78	ft/s
Maximum Velocity:	3.32	ft/s
Composite n:	0.0667	
Hydraulic Radius:	0.77	ft
Wetted Perimeter:	201.23	ft
Wetted Top Width:	201.07	ft
Critical Slope:	0.1565	ft/ft

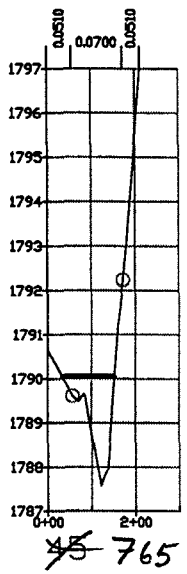
NOT USED IN DELINEATION.

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S05–~~22~~ 760

Entellus™

File: T3N-R7W-S05.dwg Date: 9/19/02



Normal Depth Results

Cross-Section:	~~45~~ 765	
Elevation:	1790.06	ft MSL
Depth:	2.48	ft
Discharge:	430.00	cfs
Energy Gradient:	0.0216	ft/ft
Froude Number:	0.3906	
Flow Regime:	Subcritical	
Flow Area:	123.34	sq ft
Average Velocity:	3.50	ft/s
Maximum Velocity:	3.59	ft/s
Composite n:	0.0665	
Hydraulic Radius:	1.03	ft
Wetted Perimeter:	119.56	ft
Wetted Top Width:	119.34	ft
Critical Slope:	0.1523	ft/ft

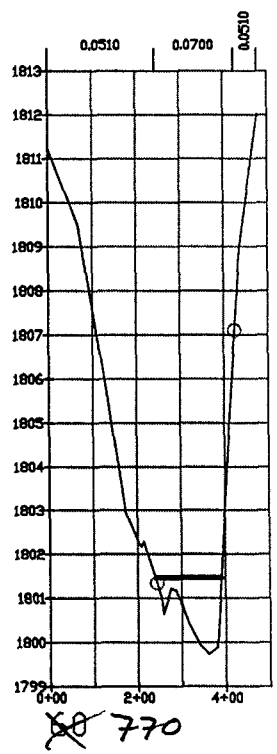
NOT USED IN DELINEATION.

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S05–~~45~~ 765

Entellus™

File: T3N-R7W-S05.dwg Date: 9/19/02



Normal Depth Results

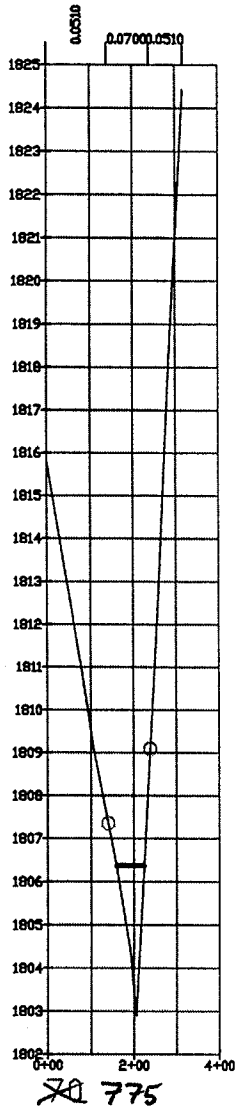
Cross-Section:	~~50~~ 770	
Elevation:	1801.47	ft MSL
Depth:	1.73	ft
Discharge:	430.00	cfs
Energy Gradient:	0.0216	ft/ft
Froude Number:	0.4046	
Flow Regime:	Subcritical	
Flow Area:	142.45	sq ft
Average Velocity:	3.07	ft/s
Maximum Velocity:	3.07	ft/s
Composite n:	0.0695	
Hydraulic Radius:	0.95	ft
Wetted Perimeter:	150.11	ft
Wetted Top Width:	149.94	ft
Critical Slope:	0.13	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S05–~~80~~ 770

Entellus™

File: T3N-R7W-S05.dwg Date: 9/19/02



Normal Depth Results

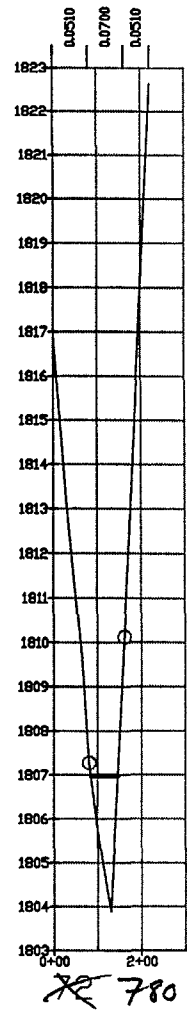
Cross-Section:	~~70~~ 775	
Elevation:	1806.37	ft MSL
Depth:	3.46	ft
Discharge:	430.00	cfs
Energy Gradient:	0.0216	ft/ft
Froude Number:	0.3993	
Flow Regime:	Subcritical	
Flow Area:	102.00	sq ft
Average Velocity:	4.21	ft/s
Maximum Velocity:	4.21	ft/s
Composite n:	0.07	
Hydraulic Radius:	1.56	ft
Wetted Perimeter:	65.26	ft
Wetted Top Width:	64.80	ft
Critical Slope:	0.1355	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S05–~~70~~ 775

Entellus™

File: T3N-R7W-S05.dwg Date: 9/10/02



Normal Depth Results

Cross-Section:	~~72~~ 780	
Elevation:	1806.98	ft MSL
Depth:	3.09	ft
Discharge:	430.00	cfs
Energy Gradient:	0.0216	ft/ft
Froude Number:	0.4346	
Flow Regime:	Subcritical	
Flow Area:	99.22	sq ft
Average Velocity:	4.31	ft/s
Maximum Velocity:	4.31	ft/s
Composite n:	0.07	
Hydraulic Radius:	1.62	ft
Wetted Perimeter:	61.42	ft
Wetted Top Width:	61.00	ft
Critical Slope:	0.1157	ft/ft

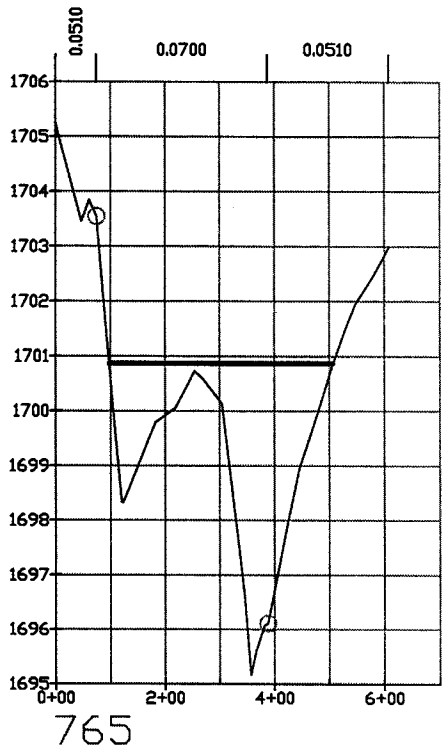
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S05–~~72~~ 780

Entellus™

File: T3N-R7W-S05.dwg Date: 9/19/02

T3N-R7W-S09E



Normal Depth Results

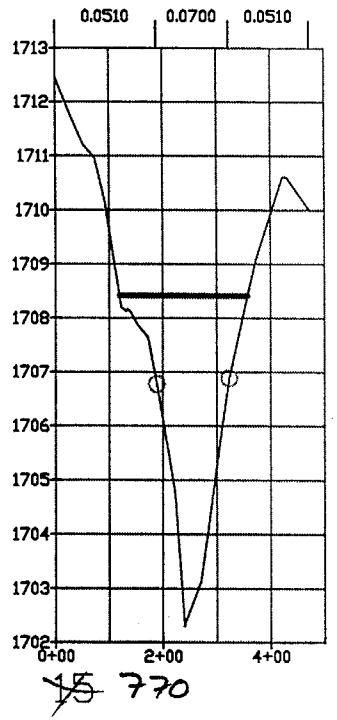
Cross-Section:	765	
Elevation:	1700.87	ft MSL
Depth:	5.70	ft
Discharge:	3300.00	cfs
Energy Gradient:	0.0128	ft/ft
Froude Number:	0.3108	
Flow Regime:	Subcritical	
Flow Area:	784.12	sq ft
Average Velocity:	4.19	ft/s
Maximum Velocity:	5.43	ft/s
Composite n:	0.0647	
Hydraulic Radius:	1.91	ft
Wetted Perimeter:	409.74	ft
Wetted Top Width:	409.21	ft
Critical Slope:	0.1458	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S09E–765

Entellus™

File: T3N-R7W-S09E.dwg Date: 9/03/02



Normal Depth Results

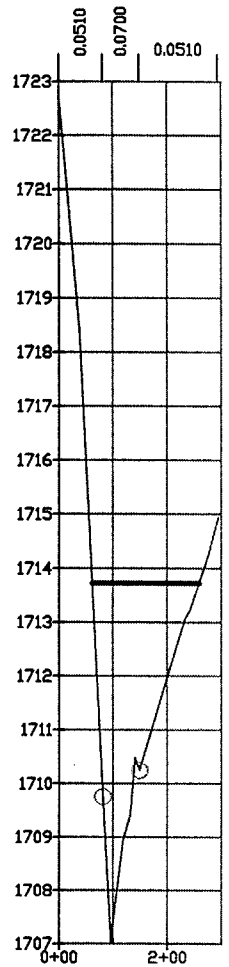
Cross-Section:	~~15~~ 770	
Elevation:	1708.42	ft MSL
Depth:	6.12	ft
Discharge:	3300.00	cfs
Energy Gradient:	0.0128	ft/ft
Froude Number:	0.3957	
Flow Regime:	Subcritical	
Flow Area:	594.37	sq ft
Average Velocity:	5.57	ft/s
Maximum Velocity:	5.97	ft/s
Composite n:	0.062	
Hydraulic Radius:	2.49	ft
Wetted Perimeter:	238.49	ft
Wetted Top Width:	238.04	ft
Critical Slope:	0.1011	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R7W-S09E-~~25~~ 770

Entellus™

File: T3N-k7W-S09E.dwg, Date: 9/03/02



~~20~~ 775

Normal Depth Results

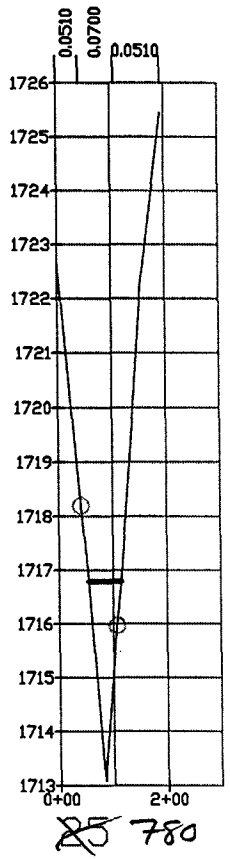
Cross-Section:	~~20~~ 775	
Elevation:	1713.72	ft MSL
Depth:	6.67	ft
Discharge:	3300.00	cfs
Energy Gradient:	0.0128	ft/ft
Froude Number:	0.4089	
Flow Regime:	Subcritical	
Flow Area:	550.69	sq ft
Average Velocity:	6.01	ft/s
Maximum Velocity:	6.88	ft/s
Composite n:	0.0579	
Hydraulic Radius:	2.78	ft
Wetted Perimeter:	198.22	ft
Wetted Top Width:	197.37	ft
Critical Slope:	0.083	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R7W-S09E-~~20~~ 775

Entellus™

File: T3N-R7W-S09E.dwg, Date: 9/03/02



Normal Depth Results

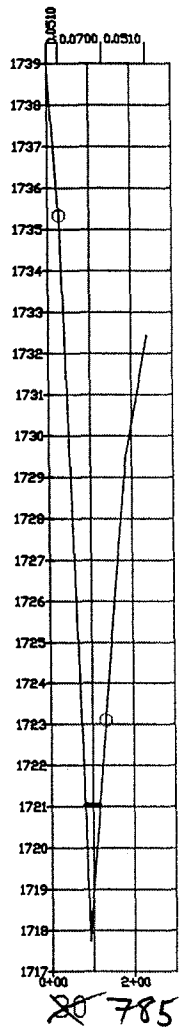
Cross-Section:	~~25~~ 780	
Elevation:	1716.79	ft MSL
Depth:	3.70	ft
Discharge:	410.00	cfs
Energy Gradient:	0.0128	ft/ft
Froude Number:	0.3441	
Flow Regime:	Subcritical	
Flow Area:	109.12	sq ft
Average Velocity:	3.75	ft/s
Maximum Velocity:	3.82	ft/s
Composite n:	0.0676	
Hydraulic Radius:	1.78	ft
Wetted Perimeter:	61.24	ft
Wetted Top Width:	60.78	ft
Critical Slope:	0.1136	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R7W-S09E-~~25~~ 780

Entellus™

File: T3N-R7W-S09E.dwg, Date: 9/03/02



Normal Depth Results

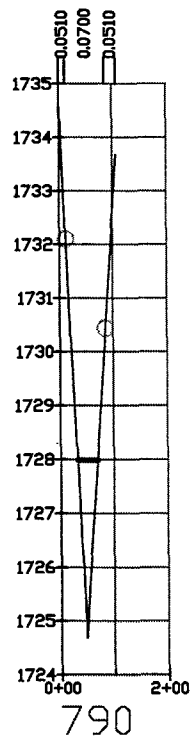
Cross-Section:	~~30~~ 785	
Elevation:	1721.03	ft MSL
Depth:	3.28	ft
Discharge:	190.00	cfs
Energy Gradient:	0.0128	ft/ft
Froude Number:	0.3217	
Flow Regime:	Subcritical	
Flow Area:	57.46	sq ft
Average Velocity:	3.29	ft/s
Maximum Velocity:	3.29	ft/s
Composite n:	0.07	
Hydraulic Radius:	1.6	ft
Wetted Perimeter:	36.00	ft
Wetted Top Width:	35.26	ft
Critical Slope:	0.1249	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R7W-S09E-~~30~~ 785

Entellus™

File: T3N-R7W-S09E.dwg, Date: 9/03/02



Normal Depth Results

Cross-Section:	790	
Elevation:	1727.99	ft MSL
Depth:	3.30	ft
Discharge:	190.00	cfs
Energy Gradient:	0.0128	ft/ft
Froude Number:	0.3128	
Flow Regime:	Subcritical	
Flow Area:	58.91	sq ft
Average Velocity:	3.24	ft/s
Maximum Velocity:	3.24	ft/s
Composite n:	0.07	
Hydraulic Radius:	1.56	ft
Wetted Perimeter:	37.83	ft
Wetted Top Width:	37.23	ft
Critical Slope:	0.1299	ft/ft

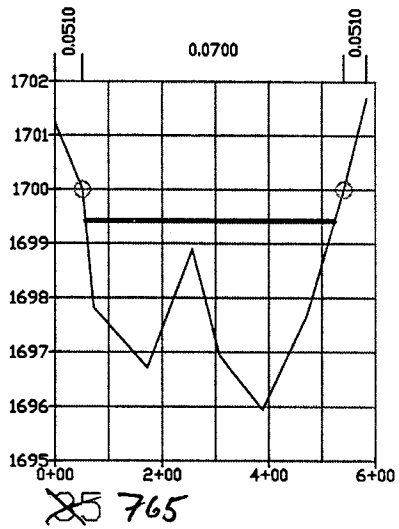
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S09E–790

Entellus™

File: T3N-R7W-S09E.dwg, Date: 9/03/02

T3N-R7W-S09W



Normal Depth Results

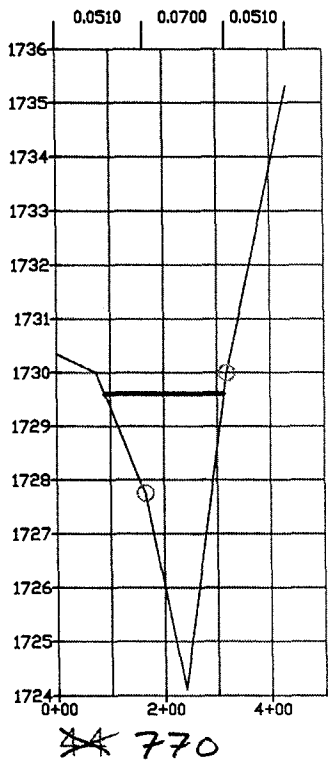
Cross-Section:	~~35~~ 765	
Elevation:	1699.42	ft MSL
Depth:	3.47	ft
Discharge:	3630.00	cfs
Energy Gradient:	0.0128	ft/ft
Froude Number:	0.3639	
Flow Regime:	Subcritical	
Flow Area:	943.81	sq ft
Average Velocity:	3.84	ft/s
Maximum Velocity:	3.84	ft/s
Composite n:	0.07	
Hydraulic Radius:	2.02	ft
Wetted Perimeter:	468.09	ft
Wetted Top Width:	467.88	ft
Critical Slope:	0.0967	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S09W–~~35~~ 765

Entellus™

File: T3N-R7W-S09W-new-mapping.dwg Date: 9/20/02



Normal Depth Results

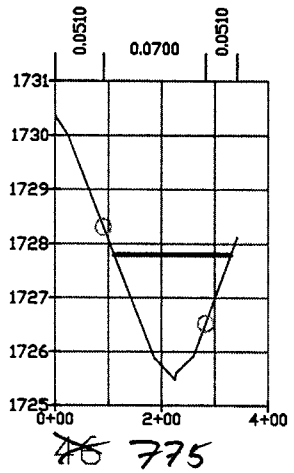
Cross-Section:	~~34~~ 770	
Elevation:	1729.61	ft MSL
Depth:	5.50	ft
Discharge:	2720.00	cfs
Energy Gradient:	0.0128	ft/ft
Froude Number:	0.3727	
Flow Regime:	Subcritical	
Flow Area:	548.63	sq ft
Average Velocity:	4.97	ft/s
Maximum Velocity:	5.24	ft/s
Composite n:	0.0639	
Hydraulic Radius:	2.44	ft
Wetted Perimeter:	224.64	ft
Wetted Top Width:	224.33	ft
Critical Slope:	0.0991	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S09W–~~34~~ 770

Entellus™

File: T3N-R7W-S09W-new-mapping.dwg, Date: 9/29/02



Normal Depth Results

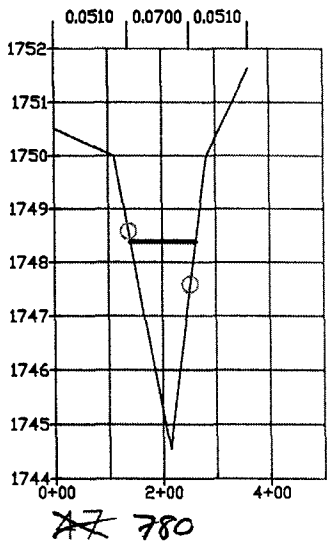
Cross-Section:	~~46~~ 775	
Elevation:	1727.80	ft MSL
Depth:	2.32	ft
Discharge:	910.00	cfs
Energy Gradient:	0.0128	ft/ft
Froude Number:	0.361	
Flow Regime:	Subcritical	
Flow Area:	291.75	sq ft
Average Velocity:	3.11	ft/s
Maximum Velocity:	3.19	ft/s
Composite n:	0.0661	
Hydraulic Radius:	1.33	ft
Wetted Perimeter:	219.37	ft
Wetted Top Width:	219.32	ft
Critical Slope:	0.1005	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S09W–~~46~~ 775

Entellus™

File: T3N-R7W-S09W-new-mapping.dwg, Date: 9/20/02



Normal Depth Results

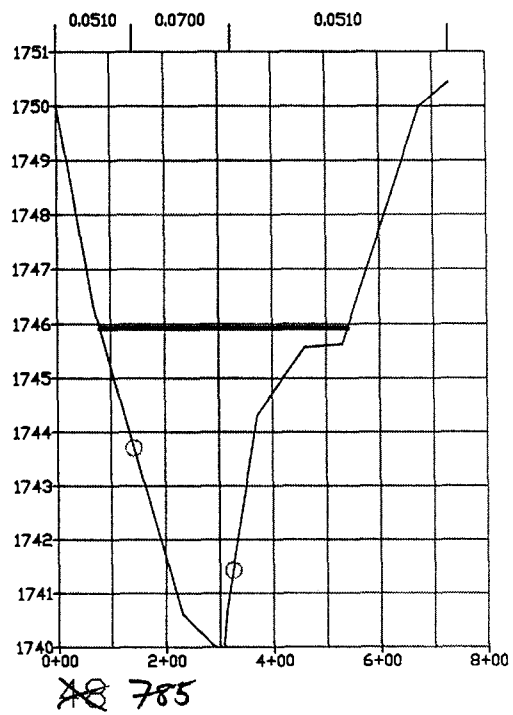
Cross-Section:	~~47~~ 780	
Elevation:	1748.39	ft MSL
Depth:	3.84	ft
Discharge:	910.00	cfs
Energy Gradient:	0.0128	ft/ft
Froude Number:	0.3482	
Flow Regime:	Subcritical	
Flow Area:	235.14	sq ft
Average Velocity:	3.87	ft/s
Maximum Velocity:	3.91	ft/s
Composite n:	0.0684	
Hydraulic Radius:	1.93	ft
Wetted Perimeter:	122.14	ft
Wetted Top Width:	121.89	ft
Critical Slope:	0.1089	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S09W–~~47~~ 780

Entellus™

File: T3N-R7W-S09W-new-mapping.dwg, Date: 9/20/02



Normal Depth Results

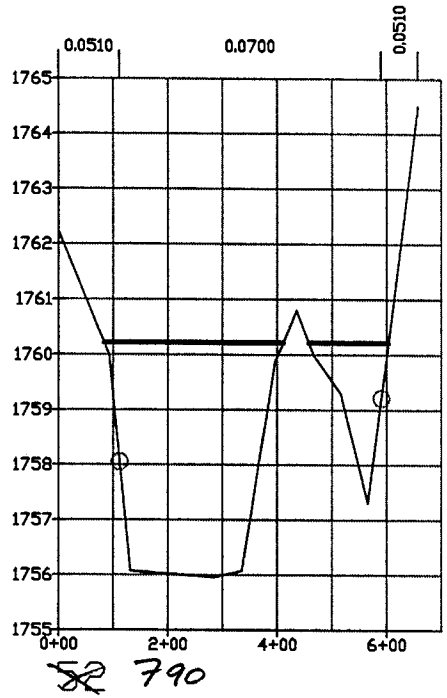
Cross-Section:	~~A8~~ 785	
Elevation:	1745.92	ft MSL
Depth:	5.92	ft
Discharge:	6950.00	cfs
Energy Gradient:	0.0128	ft/ft
Froude Number:	0.4268	
Flow Regime:	Subcritical	
Flow Area:	1179.36	sq ft
Average Velocity:	5.90	ft/s
Maximum Velocity:	6.75	ft/s
Composite n:	0.0588	
Hydraulic Radius:	2.56	ft
Wetted Perimeter:	461.34	ft
Wetted Top Width:	461.07	ft
Critical Slope:	0.0851	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S09W–~~A8~~ 785

Entellus™

File: T3N-R7W-S09W-new-mapping.dwg Date: 9/29/02



Normal Depth Results

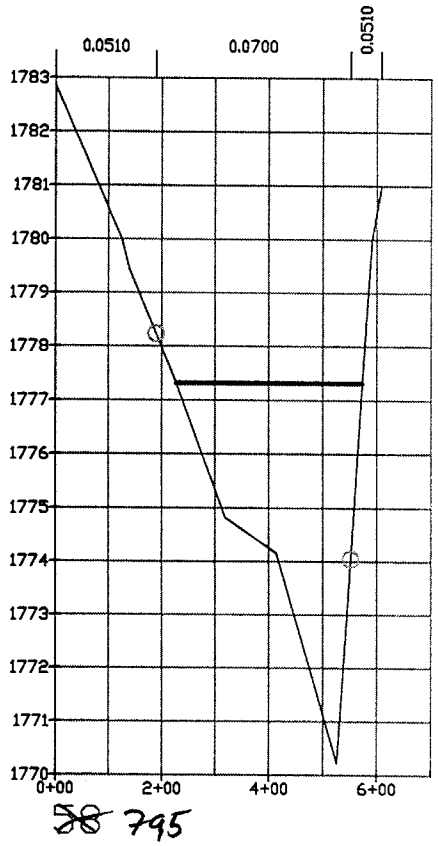
Cross-Section:	~~52~~ 790	
Elevation:	1760.22	ft MSL
Depth:	4.26	ft
Discharge:	6050.00	cfs
Energy Gradient:	0.0128	ft/ft
Froude Number:	0.4093	
Flow Regime:	Subcritical	
Flow Area:	1262.07	sq ft
Average Velocity:	4.79	ft/s
Maximum Velocity:	4.84	ft/s
Composite n:	0.0684	
Hydraulic Radius:	2.66	ft
Wetted Perimeter:	474.08	ft
Wetted Top Width:	473.60	ft
Critical Slope:	0.0784	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S09W–~~52~~ 790

Entellus™

File: T3N-R7W-S09W-New-Mapping.dwg, Date: 9/24/02



Normal Depth Results

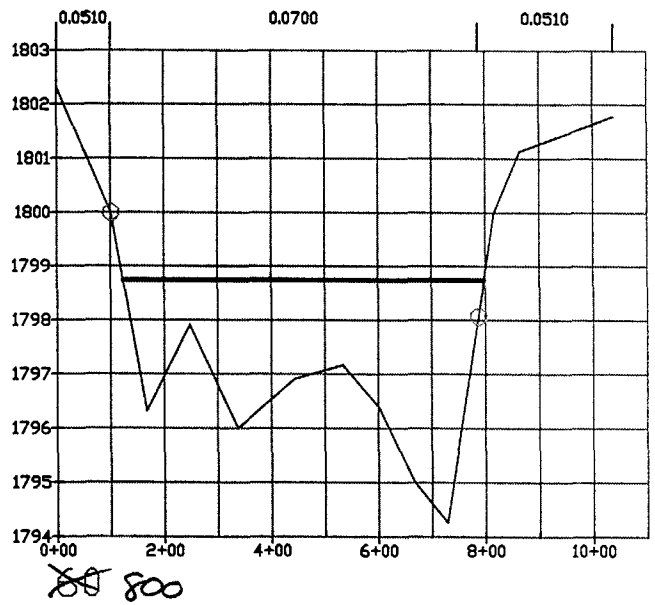
Cross-Section:	~~58~~ 795	
Elevation:	1777.31	ft MSL
Depth:	7.09	ft
Discharge:	6050.00	cfs
Energy Gradient:	0.0128	ft/ft
Froude Number:	0.3559	
Flow Regime:	Subcritical	
Flow Area:	1125.20	sq ft
Average Velocity:	5.37	ft/s
Maximum Velocity:	5.40	ft/s
Composite n:	0.0688	
Hydraulic Radius:	3.25	ft
Wetted Perimeter:	346.71	ft
Wetted Top Width:	346.07	ft
Critical Slope:	0.1015	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S09W–~~58~~ 795

Entellus™

File: T3N-k7W-S09W-new-mapping.dwg Date: 9/20/02



Normal Depth Results

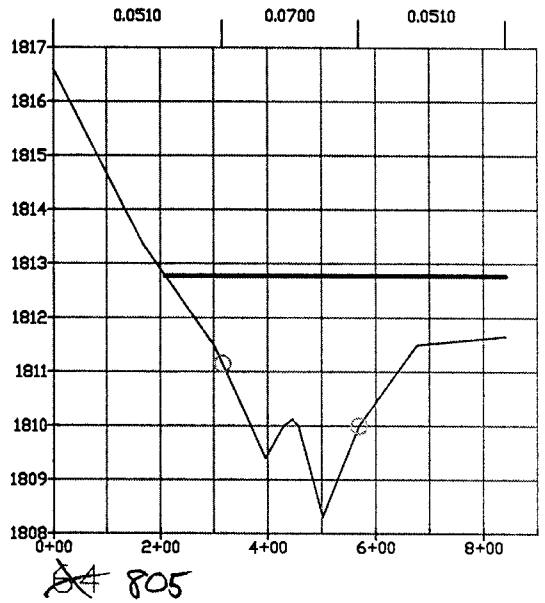
Cross-Section:	~~60~~ 800	
Elevation:	1798.74	ft MSL
Depth:	4.48	ft
Discharge:	6050.00	cfs
Energy Gradient:	0.0128	ft/ft
Froude Number:	0.3405	
Flow Regime:	Subcritical	
Flow Area:	1479.53	sq ft
Average Velocity:	4.10	ft/s
Maximum Velocity:	4.10	ft/s
Composite n:	0.0697	
Hydraulic Radius:	2.19	ft
Wetted Perimeter:	674.29	ft
Wetted Top Width:	674.01	ft
Critical Slope:	0.1107	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S09W–~~80~~ 800

Entellus™

File: T3N-K7W-S09W-new-mapping.dwg Date: 9/20/02



Normal Depth Results

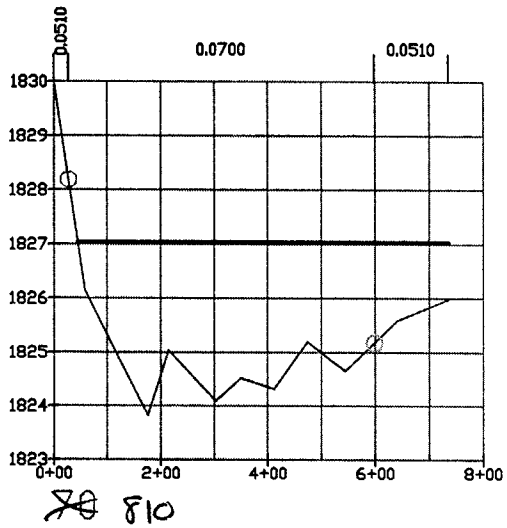
Cross-Section:	~~84~~ 805	
Elevation:	1812.78	ft MSL
Depth:	4.47	ft
Discharge:	6050.00	cfs
Energy Gradient:	0.0128	ft/ft
Froude Number:	0.3942	
Flow Regime:	Subcritical	
Flow Area:	1280.26	sq ft
Average Velocity:	4.73	ft/s
Maximum Velocity:	5.12	ft/s
Composite n:	0.0589	
Hydraulic Radius:	2.02	ft
Wetted Perimeter:	632.59	ft
Wetted Top Width:	632.49	ft
Critical Slope:	0.0879	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S09W–~~84~~ 805

Entellus™

File: T3N-K7W-S09W-new-mapping.dwg; Date: 9/20/02



Normal Depth Results

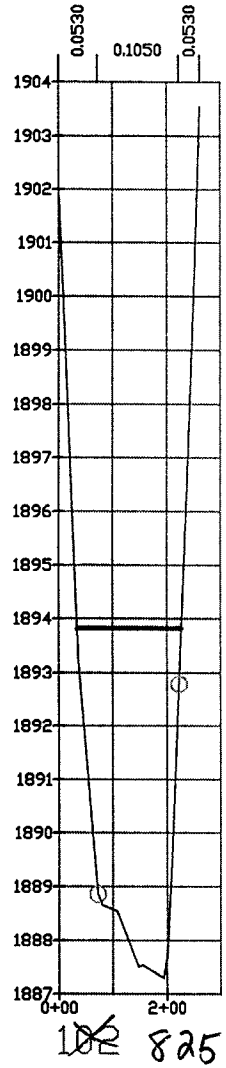
Cross-Section:	~~79~~ 810	
Elevation:	1827.04	ft MSL
Depth:	3.22	ft
Discharge:	6050.00	cfs
Energy Gradient:	0.0128	ft/ft
Froude Number:	0.4101	
Flow Regime:	Subcritical	
Flow Area:	1450.32	sq ft
Average Velocity:	4.16	ft/s
Maximum Velocity:	4.17	ft/s
Composite n:	0.0664	
Hydraulic Radius:	2.1	ft
Wetted Perimeter:	690.69	ft
Wetted Top Width:	690.60	ft
Critical Slope:	0.0765	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S09W–~~70~~ 810

Entellus™

File: T3N-R7W-S09W-new-mapping.dwg Date: 9/20/02



Normal Depth Results

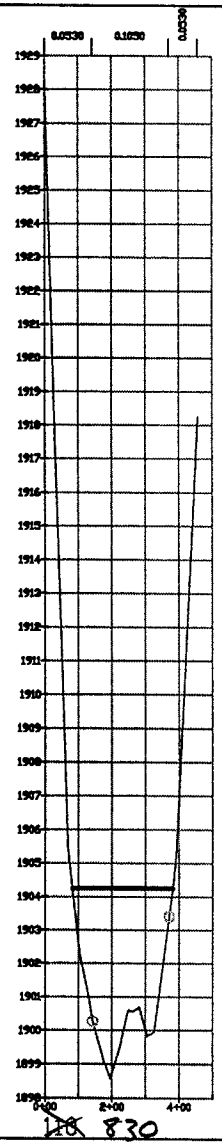
Cross-Section:	~~102~~ 825	
Elevation:	1893.82	ft MSL
Depth:	6.52	ft
Discharge:	4800.00	cfs
Energy Gradient:	0.0128	ft/ft
Froude Number:	0.3533	
Flow Regime:	Subcritical	
Flow Area:	937.61	sq ft
Average Velocity:	5.11	ft/s
Maximum Velocity:	6.00	ft/s
Composite n:	0.0948	
Hydraulic Radius:	4.83	ft
Wetted Perimeter:	194.22	ft
Wetted Top Width:	193.15	ft
Critical Slope:	0.1041	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S09W–~~102~~ 825

Entellus™

File: T3N-R7W-S09W.dwg; Date: 9/20/02



Normal Depth Results

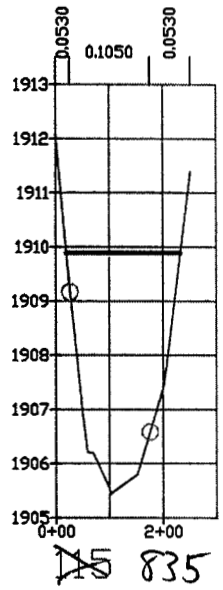
Cross-Section:	~~110~~ 830	
Elevation:	1904.25	ft MSL
Depth:	5.67	ft
Discharge:	4530.00	cfs
Energy Gradient:	0.0128	ft/ft
Froude Number:	0.3135	
Flow Regime:	Subcritical	
Flow Area:	1069.45	sq ft
Average Velocity:	4.25	ft/s
Maximum Velocity:	5.40	ft/s
Composite n:	0.094	
Hydraulic Radius:	3.57	ft
Wetted Perimeter:	299.57	ft
Wetted Top Width:	299.18	ft
Critical Slope:	0.1333	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S09W–~~110~~ 830

Entellus™

File: T3N-R7W-S09W.dwg Date: 9/26/02



Normal Depth Results

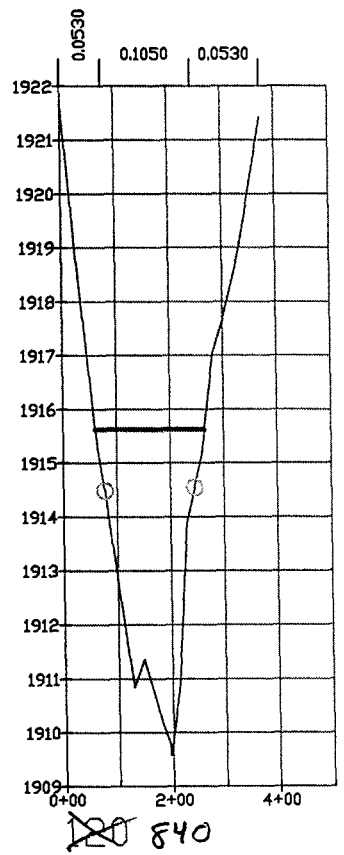
Cross-Section:	~~115~~ 835	
Elevation:	1909.89	ft MSL
Depth:	4.46	ft
Discharge:	2640.00	cfs
Energy Gradient:	0.0128	ft/ft
Froude Number:	0.3333	
Flow Regime:	Subcritical	
Flow Area:	660.83	sq ft
Average Velocity:	4.00	ft/s
Maximum Velocity:	5.01	ft/s
Composite n:	0.091	
Hydraulic Radius:	3.09	ft
Wetted Perimeter:	213.52	ft
Wetted Top Width:	213.21	ft
Critical Slope:	0.119	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S09W–~~115~~ 835

Entellus™

File: T3N-R7W-S09W.dwg Date: 9/20/02



Normal Depth Results

Cross-Section:	~~120~~ 840	
Elevation:	1915.63	ft MSL
Depth:	6.05	ft
Discharge:	2640.00	cfs
Energy Gradient:	0.0128	ft/ft
Froude Number:	0.28	
Flow Regime:	Subcritical	
Flow Area:	675.81	sq ft
Average Velocity:	3.92	ft/s
Maximum Velocity:	3.97	ft/s
Composite n:	0.0969	
Hydraulic Radius:	3.32	ft
Wetted Perimeter:	203.84	ft
Wetted Top Width:	203.26	ft
Critical Slope:	0.1665	ft/ft

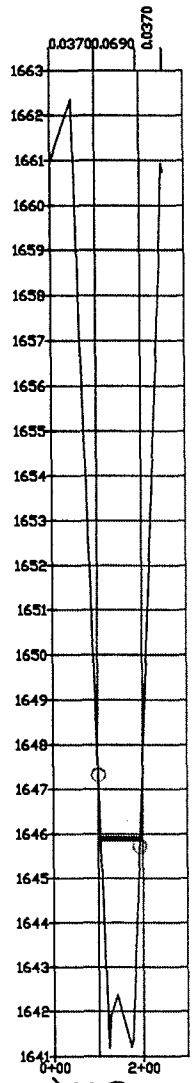
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S09W–~~120~~ 840

Entellus™

File: T3N-R7W-S09W.dwg, Date: 9/20/02

T3N-R7W-S11



~~10~~ 755

Normal Depth Results

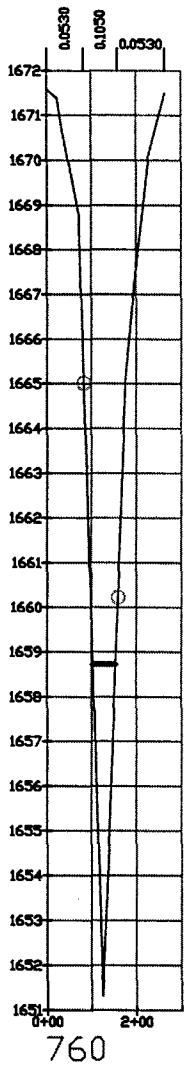
Cross-Section:	~~10~~ 755	
Elevation:	1645.89	ft MSL
Depth:	4.70	ft
Discharge:	2320.00	cfs
Energy Gradient:	0.0264	ft/ft
Froude Number:	0.6373	
Flow Regime:	Subcritical	
Flow Area:	295.98	sq ft
Average Velocity:	7.82	ft/s
Maximum Velocity:	7.82	ft/s
Composite n:	0.0688	
Hydraulic Radius:	3.3	ft
Wetted Perimeter:	89.56	ft
Wetted Top Width:	88.26	ft
Critical Slope:	0.0655	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R7W-S11 ~~10~~ 755

Entellus™

File: T3N-R7W-S11.dwg; Date: 9/03/02



Normal Depth Results

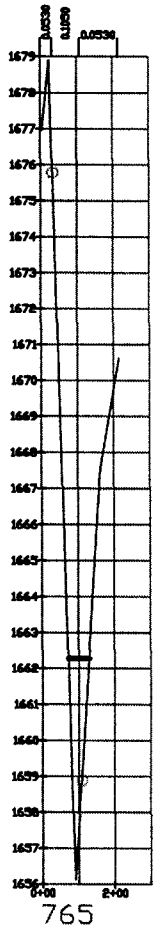
Cross-Section:	760	
Elevation:	1658.73	ft MSL
Depth:	7.41	ft
Discharge:	1030.00	cfs
Energy Gradient:	0.0264	ft/ft
Froude Number:	0.3501	
Flow Regime:	Subcritical	
Flow Area:	190.54	sq ft
Average Velocity:	5.40	ft/s
Maximum Velocity:	5.40	ft/s
Composite n:	0.105	
Hydraulic Radius:	3.58	ft
Wetted Perimeter:	53.21	ft
Wetted Top Width:	50.98	ft
Critical Slope:	0.216	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R7W-S11-760

Entellus™

File: T3N-R7W-S11.dwg; Date: 9/03/02



Normal Depth Results

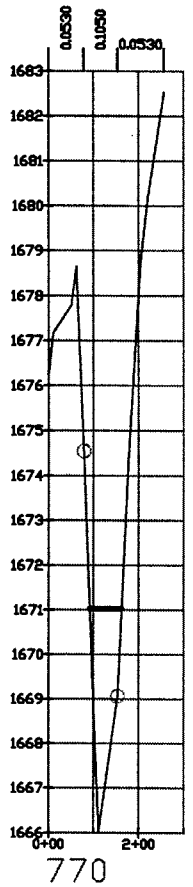
Cross-Section:	765	
Elevation:	1662.28	ft MSL
Depth:	6.15	ft
Discharge:	1030.00	cfs
Energy Gradient:	0.0264	ft/ft
Froude Number:	0.409	
Flow Regime:	Subcritical	
Flow Area:	178.98	sq ft
Average Velocity:	5.75	ft/s
Maximum Velocity:	6.44	ft/s
Composite n:	0.0887	
Hydraulic Radius:	3.04	ft
Wetted Perimeter:	58.78	ft
Wetted Top Width:	57.28	ft
Critical Slope:	0.1591	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R7W-S11-765

Entellus™

File: T3N-R7W-S11.dwg Date: 9/03/02



Normal Depth Results

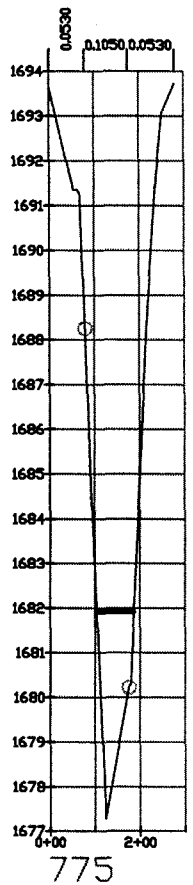
Cross-Section:	770	
Elevation:	1671.03	ft MSL
Depth:	5.01	ft
Discharge:	1030.00	cfs
Energy Gradient:	0.0264	ft/ft
Froude Number:	0.3904	
Flow Regime:	Subcritical	
Flow Area:	207.70	sq ft
Average Velocity:	4.95	ft/s
Maximum Velocity:	4.97	ft/s
Composite n:	0.0991	
Hydraulic Radius:	2.88	ft
Wetted Perimeter:	72.06	ft
Wetted Top Width:	71.11	ft
Critical Slope:	0.1741	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R7W-S11-770

Entellus™

File: T3N-R7W-S11.dwg; Date: 9/03/02



Normal Depth Results

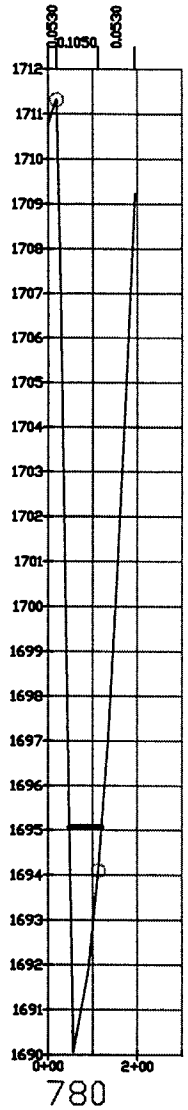
Cross-Section:	775	
Elevation:	1681.92	ft MSL
Depth:	4.63	ft
Discharge:	1030.00	cfs
Energy Gradient:	0.0264	ft/ft
Froude Number:	0.3834	
Flow Regime:	Subcritical	
Flow Area:	220.07	sq ft
Average Velocity:	4.68	ft/s
Maximum Velocity:	4.83	ft/s
Composite n:	0.0989	
Hydraulic Radius:	2.65	ft
Wetted Perimeter:	83.09	ft
Wetted Top Width:	82.29	ft
Critical Slope:	0.1793	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R7W-S11-775

Entellus™

File: T3N-R7W-S11.dwg; Date: 9/03/02



Normal Depth Results

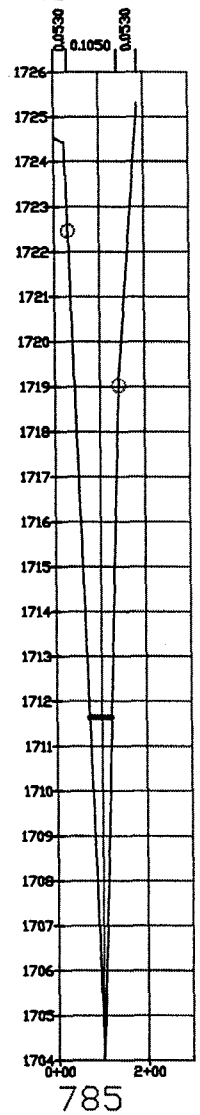
Cross-Section:	780	
Elevation:	1695.07	ft MSL
Depth:	5.01	ft
Discharge:	1030.00	cfs
Energy Gradient:	0.0264	ft/ft
Froude Number:	0.3839	
Flow Regime:	Subcritical	
Flow Area:	211.28	sq ft
Average Velocity:	4.88	ft/s
Maximum Velocity:	4.92	ft/s
Composite n:	0.1004	
Hydraulic Radius:	2.85	ft
Wetted Perimeter:	74.15	ft
Wetted Top Width:	72.58	ft
Critical Slope:	0.1814	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R7W-S11-780

Entellus™

File: T3N-R7W-S11.dwg Date: 9/03/02



Normal Depth Results

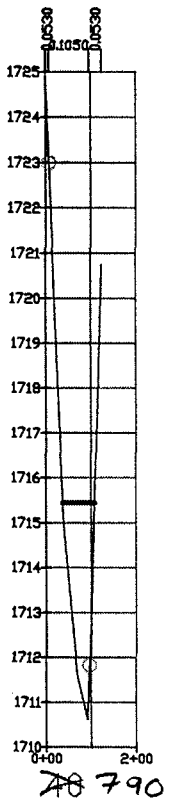
Cross-Section:	785	
Elevation:	1711.65	ft MSL
Depth:	7.55	ft
Discharge:	1030.00	cfs
Energy Gradient:	0.0264	ft/ft
Froude Number:	0.35	
Flow Regime:	Subcritical	
Flow Area:	188.85	sq ft
Average Velocity:	5.46	ft/s
Maximum Velocity:	5.46	ft/s
Composite n:	0.105	
Hydraulic Radius:	3.65	ft
Wetted Perimeter:	51.78	ft
Wetted Top Width:	49.47	ft
Critical Slope:	0.2147	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R7W-S11-785

Entellus™

File: T3N-R7W-S11.dwg Date: 9/03/02



Normal Depth Results

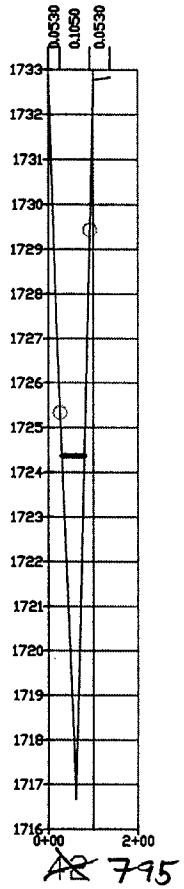
Cross-Section:	~~40~~ 790	
Elevation:	1715.45	ft MSL
Depth:	4.83	ft
Discharge:	1030.00	cfs
Energy Gradient:	0.0264	ft/ft
Froude Number:	0.4031	
Flow Regime:	Subcritical	
Flow Area:	204.96	sq ft
Average Velocity:	5.04	ft/s
Maximum Velocity:	6.57	ft/s
Composite n:	0.0974	
Hydraulic Radius:	2.85	ft
Wetted Perimeter:	71.99	ft
Wetted Top Width:	71.03	ft
Critical Slope:	0.1646	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R7W-S11-~~40~~ 790

Entellus™

File: T3N-R7W-S11.dwg; Date: 9/03/02



Normal Depth Results

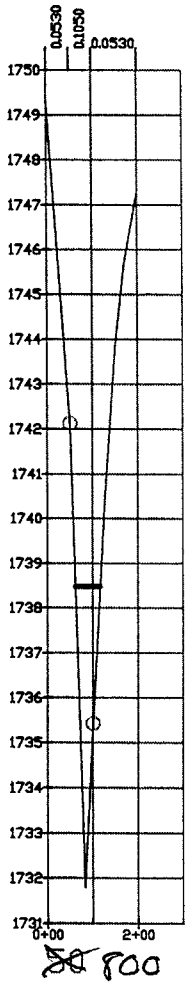
Cross-Section:	~~32~~ 795	
Elevation:	1724.37	ft MSL
Depth:	7.70	ft
Discharge:	1030.00	cfs
Energy Gradient:	0.0264	ft/ft
Froude Number:	0.345	
Flow Regime:	Subcritical	
Flow Area:	189.62	sq ft
Average Velocity:	5.43	ft/s
Maximum Velocity:	5.43	ft/s
Composite n:	0.105	
Hydraulic Radius:	3.61	ft
Wetted Perimeter:	52.51	ft
Wetted Top Width:	50.07	ft
Critical Slope:	0.2221	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R7W-S11-~~AR~~ 795

Entellus™

File: T3N-R7W-S11.dwg; Date: 9/03/02



Normal Depth Results

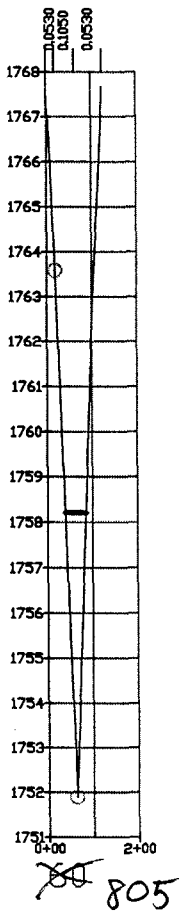
Cross-Section:	~~50~~ 800	
Elevation:	1738.48	ft MSL
Depth:	6.68	ft
Discharge:	1030.00	cfs
Energy Gradient:	0.0264	ft/ft
Froude Number:	0.3908	
Flow Regime:	Subcritical	
Flow Area:	179.74	sq ft
Average Velocity:	5.73	ft/s
Maximum Velocity:	5.99	ft/s
Composite n:	0.0913	
Hydraulic Radius:	3.18	ft
Wetted Perimeter:	56.57	ft
Wetted Top Width:	54.86	ft
Critical Slope:	0.1728	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R7W-S11-~~50~~ 800

Entellus™

File: T3N-R7W-S11.dwg, Date: 9/03/02



Normal Depth Results

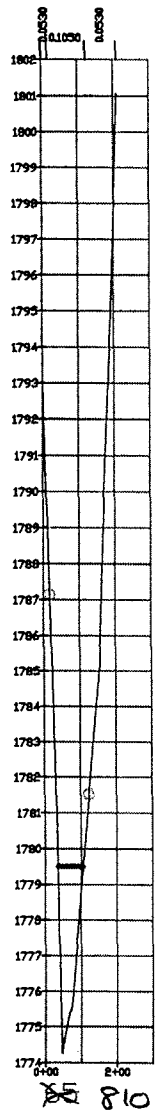
Cross-Section:	~~67~~ 805	
Elevation:	1758.21	ft MSL
Depth:	6.31	ft
Discharge:	1030.00	cfs
Energy Gradient:	0.0264	ft/ft
Froude Number:	0.5022	
Flow Regime:	Subcritical	
Flow Area:	143.91	sq ft
Average Velocity:	7.15	ft/s
Maximum Velocity:	9.59	ft/s
Composite n:	0.0817	
Hydraulic Radius:	3.01	ft
Wetted Perimeter:	47.86	ft
Wetted Top Width:	46.16	ft
Critical Slope:	0.1409	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R7W-S11-~~780~~ 805

Entellus™

File: T3N-R7W-S11.dwg, Date: 9/03/02



Normal Depth Results

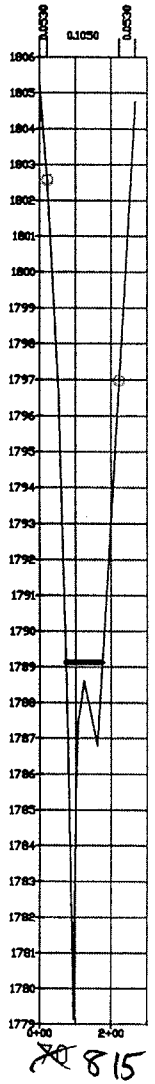
Cross-Section:	~~50~~ 810	
Elevation:	1779.51	ft MSL
Depth:	5.24	ft
Discharge:	1030.00	cfs
Energy Gradient:	0.0264	ft/ft
Froude Number:	0.3707	
Flow Regime:	Subcritical	
Flow Area:	214.09	sq ft
Average Velocity:	4.80	ft/s
Maximum Velocity:	4.80	ft/s
Composite n:	0.105	
Hydraulic Radius:	3	ft
Wetted Perimeter:	71.33	ft
Wetted Top Width:	69.82	ft
Critical Slope:	0.1932	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R7W-S11-~~85~~ 810

Entellus™

File: T3N-k7W-S11.dwg, Date: 9/03/02



Normal Depth Results

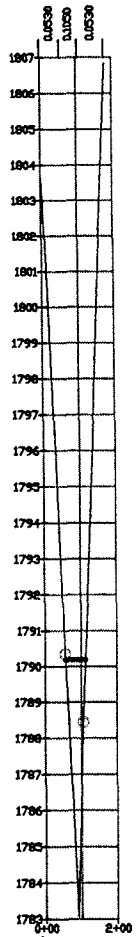
Cross-Section:	~~70~~ 815	
Elevation:	1789.13	ft MSL
Depth:	9.99	ft
Discharge:	1030.00	cfs
Energy Gradient:	0.0264	ft/ft
Froude Number:	0.2272	
Flow Regime:	Subcritical	
Flow Area:	252.74	sq ft
Average Velocity:	4.09	ft/s
Maximum Velocity:	4.09	ft/s
Composite n:	0.105	
Hydraulic Radius:	2.36	ft
Wetted Perimeter:	107.16	ft
Wetted Top Width:	101.67	ft
Critical Slope:	0.5085	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R7W-S11-~~70~~ 815

Entellus™

File: T3N-R7W-S11.dwg; Date: 9/03/02



Normal Depth Results

Cross-Section:	~~72~~ 820	
Elevation:	1790.19	ft MSL
Depth:	7.11	ft
Discharge:	1030.00	cfs
Energy Gradient:	0.0264	ft/ft
Froude Number:	0.3558	
Flow Regime:	Subcritical	
Flow Area:	191.39	sq ft
Average Velocity:	5.39	ft/s
Maximum Velocity:	5.43	ft/s
Composite n:	0.099	
Hydraulic Radius:	3.25	ft
Wetted Perimeter:	58.82	ft
Wetted Top Width:	56.98	ft
Critical Slope:	0.2096	ft/ft

~~72~~ 820

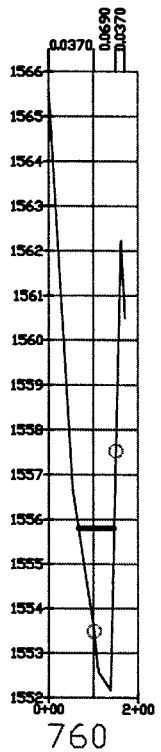
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R7W-S11-~~72~~ 820

Entellus™

File: T3N-R7W-S11.dwg Date: 9/03/02

T3N-R7W-S12



Normal Depth Results

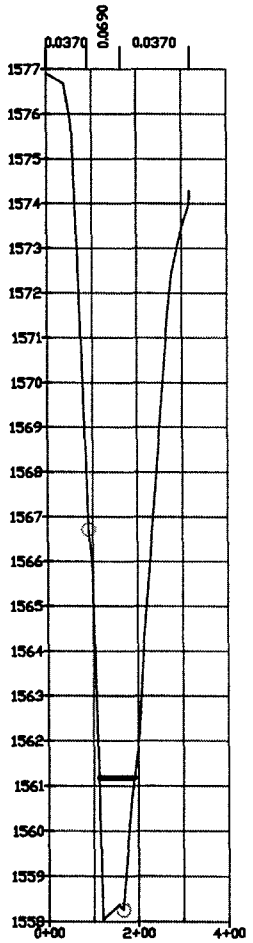
Cross-Section:	760	
Elevation:	1555.81	ft MSL
Depth:	3.64	ft
Discharge:	1130.00	cfs
Energy Gradient:	0.0212	ft/ft
Froude Number:	0.596	
Flow Regime:	Subcritical	
Flow Area:	175.25	sq ft
Average Velocity:	6.47	ft/s
Maximum Velocity:	6.47	ft/s
Composite n:	0.0563	
Hydraulic Radius:	2.18	ft
Wetted Perimeter:	80.45	ft
Wetted Top Width:	79.53	ft
Critical Slope:	0.0592	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S12–760

Entellus™

File: T3N-R7W-S12.dwg; Date: 9/03/02



765

Normal Depth Results

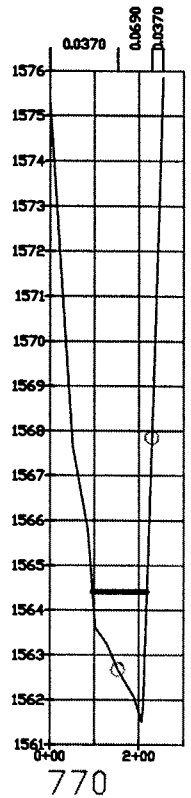
Cross-Section:	765	
Elevation:	1561.19	ft MSL
Depth:	3.17	ft
Discharge:	1130.00	cfs
Energy Gradient:	0.0212	ft/ft
Froude Number:	0.6248	
Flow Regime:	Subcritical	
Flow Area:	179.21	sq ft
Average Velocity:	6.31	ft/s
Maximum Velocity:	7.15	ft/s
Composite n:	0.0598	
Hydraulic Radius:	2.28	ft
Wetted Perimeter:	78.59	ft
Wetted Top Width:	77.82	ft
Critical Slope:	0.0546	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S12–765

Entellus™

File: T3N-R7W-S12.dwg; Date: 9/03/02



Normal Depth Results

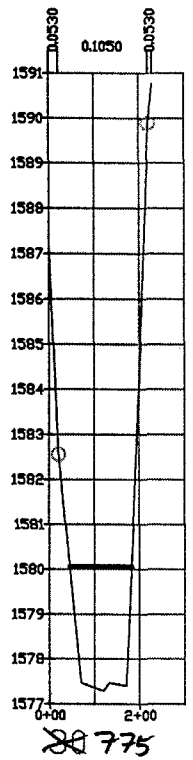
Cross-Section:	770	
Elevation:	1564.42	ft MSL
Depth:	2.90	ft
Discharge:	1130.00	cfs
Energy Gradient:	0.0212	ft/ft
Froude Number:	0.5729	
Flow Regime:	Subcritical	
Flow Area:	204.14	sq ft
Average Velocity:	5.56	ft/s
Maximum Velocity:	6.33	ft/s
Composite n:	0.0552	
Hydraulic Radius:	1.66	ft
Wetted Perimeter:	122.89	ft
Wetted Top Width:	122.41	ft
Critical Slope:	0.0653	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S12–770

Entellus™

File: T3N-R7W-S12.dwg Date: 9/03/02



Normal Depth Results

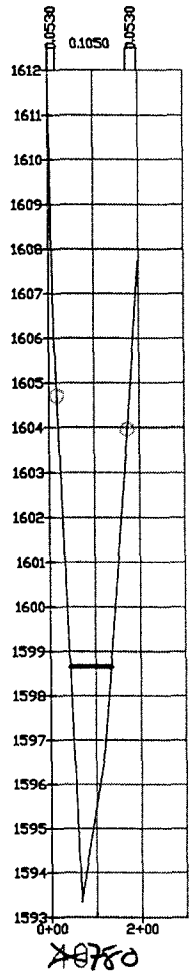
Cross-Section:	~~30~~ 775	
Elevation:	1580.06	ft MSL
Depth:	2.77	ft
Discharge:	1130.00	cfs
Energy Gradient:	0.0212	ft/ft
Froude Number:	0.3794	
Flow Regime:	Subcritical	
Flow Area:	315.55	sq ft
Average Velocity:	3.59	ft/s
Maximum Velocity:	3.59	ft/s
Composite n:	0.105	
Hydraulic Radius:	2.29	ft
Wetted Perimeter:	137.77	ft
Wetted Top Width:	137.34	ft
Critical Slope:	0.1464	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R7W-S12-~~30~~ 775

Entellus™

File: T3N-R7W-S12.dwg Date: 9/03/02



Normal Depth Results

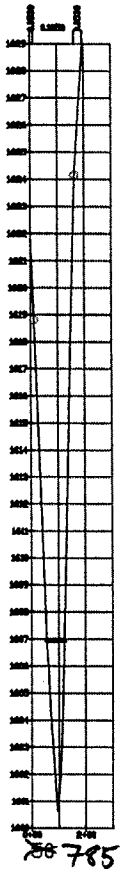
Cross-Section:	~~40~~ 780	
Elevation:	1598.66	ft MSL
Depth:	5.31	ft
Discharge:	1130.00	cfs
Energy Gradient:	0.0212	ft/ft
Froude Number:	0.3235	
Flow Regime:	Subcritical	
Flow Area:	267.20	sq ft
Average Velocity:	4.22	ft/s
Maximum Velocity:	4.22	ft/s
Composite n:	0.105	
Hydraulic Radius:	2.92	ft
Wetted Perimeter:	91.53	ft
Wetted Top Width:	90.69	ft
Critical Slope:	0.2033	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R7W-S12-~~40~~ 780

Entellus™

File: T3N-R7W-S12.dwg; Date: 9/03/02



Normal Depth Results

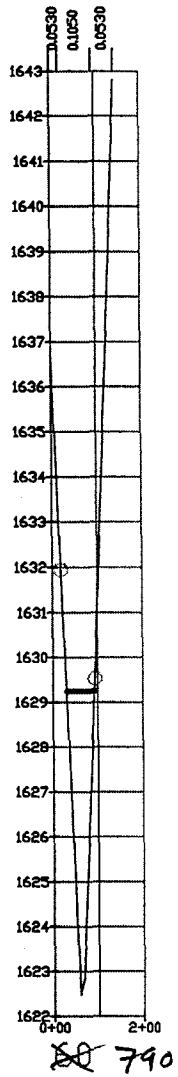
Cross-Section:	~~50~~ 785	
Elevation:	1606.95	ft MSL
Depth:	6.29	ft
Discharge:	1130.00	cfs
Energy Gradient:	0.0212	ft/ft
Froude Number:	0.3372	
Flow Regime:	Subcritical	
Flow Area:	235.55	sq ft
Average Velocity:	4.79	ft/s
Maximum Velocity:	4.79	ft/s
Composite n:	0.105	
Hydraulic Radius:	3.53	ft
Wetted Perimeter:	66.76	ft
Wetted Top Width:	65.28	ft
Critical Slope:	0.1871	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R7W-S12-~~50~~ 785

Entellus™

File: T3N-R7W-S12.dwg; Date: 9/03/02



Normal Depth Results

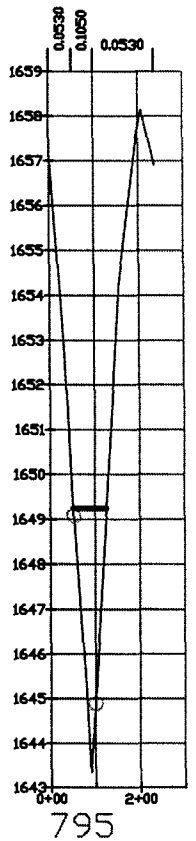
Cross-Section:	~~80~~ 790	
Elevation:	1629.25	ft MSL
Depth:	6.77	ft
Discharge:	1130.00	cfs
Energy Gradient:	0.0212	ft/ft
Froude Number:	0.3309	
Flow Regime:	Subcritical	
Flow Area:	231.37	sq ft
Average Velocity:	4.88	ft/s
Maximum Velocity:	4.88	ft/s
Composite n:	0.105	
Hydraulic Radius:	3.63	ft
Wetted Perimeter:	63.73	ft
Wetted Top Width:	62.14	ft
Critical Slope:	0.1938	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R7W-S12-~~80~~ 790

Entellus™

File: T3N-K7W-S12.dwg; Date: 9/03/02



Normal Depth Results

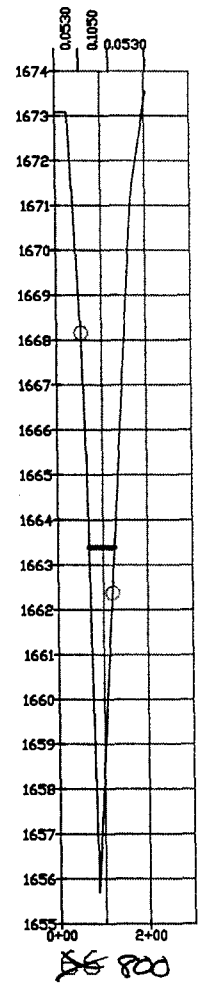
Cross-Section:	795	
Elevation:	1649.24	ft MSL
Depth:	5.89	ft
Discharge:	1130.00	cfs
Energy Gradient:	0.0212	ft/ft
Froude Number:	0.377	
Flow Regime:	Subcritical	
Flow Area:	217.62	sq ft
Average Velocity:	5.17	ft/s
Maximum Velocity:	6.81	ft/s
Composite n:	0.0882	
Hydraulic Radius:	2.88	ft
Wetted Perimeter:	75.57	ft
Wetted Top Width:	74.64	ft
Critical Slope:	0.1624	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S12–795

Entellus™

File: T3N-R7W-S12.dwg; Date: 9/03/02



Normal Depth Results

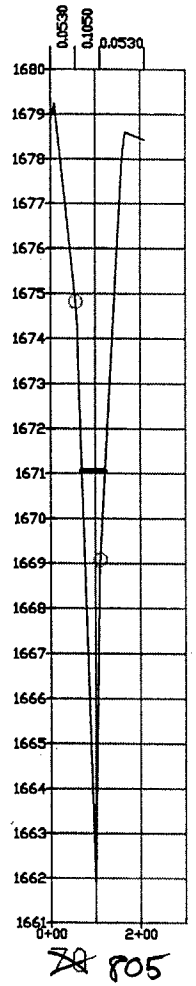
Cross-Section:	~~56~~ 800	
Elevation:	1663.40	ft MSL
Depth:	7.69	ft
Discharge:	1130.00	cfs
Energy Gradient:	0.0212	ft/ft
Froude Number:	0.3292	
Flow Regime:	Subcritical	
Flow Area:	218.29	sq ft
Average Velocity:	5.18	ft/s
Maximum Velocity:	5.21	ft/s
Composite n:	0.1008	
Hydraulic Radius:	3.68	ft
Wetted Perimeter:	59.31	ft
Wetted Top Width:	56.91	ft
Critical Slope:	0.1992	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R7W-S12-~~56~~ 800

Entellus™

File: T3N-R7W-S12.dwg, Date: 9/03/02



Normal Depth Results

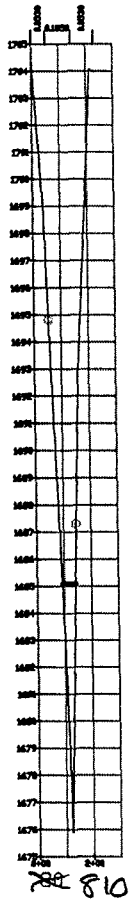
Cross-Section:	~~70~~ 805	
Elevation:	1671.06	ft MSL
Depth:	9.14	ft
Discharge:	1130.00	cfs
Energy Gradient:	0.0212	ft/ft
Froude Number:	0.3172	
Flow Regime:	Subcritical	
Flow Area:	207.74	sq ft
Average Velocity:	5.44	ft/s
Maximum Velocity:	5.52	ft/s
Composite n:	0.096	
Hydraulic Radius:	3.71	ft
Wetted Perimeter:	56.05	ft
Wetted Top Width:	52.38	ft
Critical Slope:	0.213	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R7W-S12-~~70~~ 505

Entellus™

File: T3N-R7W-S12.dwg, Date: 9/03/02



Normal Depth Results

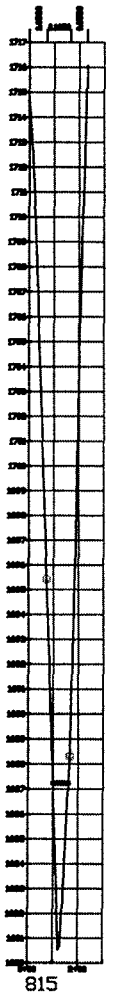
Cross-Section:	~~90~~ 810	
Elevation:	1685.09	ft MSL
Depth:	9.18	ft
Discharge:	1130.00	cfs
Energy Gradient:	0.0212	ft/ft
Froude Number:	0.3071	
Flow Regime:	Subcritical	
Flow Area:	214.05	sq ft
Average Velocity:	5.27	ft/s
Maximum Velocity:	5.27	ft/s
Composite n:	0.105	
Hydraulic Radius:	4.08	ft
Wetted Perimeter:	52.49	ft
Wetted Top Width:	48.99	ft
Critical Slope:	0.2251	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 - Wash: T3N-R7W-S12-~~80~~ 810

Entellus™

File: T3N-R7W-S12.dwg; Date: 9/03/02



Normal Depth Results

Cross-Section:	815	
Elevation:	1687.24	ft MSL
Depth:	6.70	ft
Discharge:	1130.00	cfs
Energy Gradient:	0.0212	ft/ft
Froude Number:	0.3323	
Flow Regime:	Subcritical	
Flow Area:	231.50	sq ft
Average Velocity:	4.89	ft/s
Maximum Velocity:	4.89	ft/s
Composite n:	0.105	
Hydraulic Radius:	3.64	ft
Wetted Perimeter:	63.59	ft
Wetted Top Width:	61.93	ft
Critical Slope:	0.1912	ft/ft

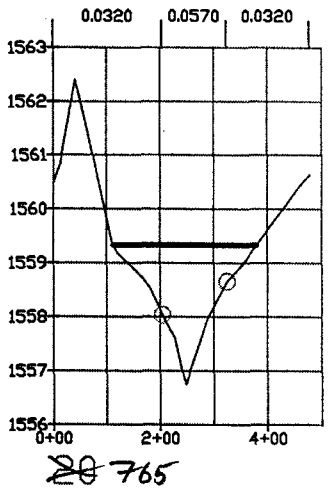
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S12–815

Entellus™

File: T3N-R7W-S12.dwg, Date: 9/03/02

T3N-R7W-S15



Normal Depth Results

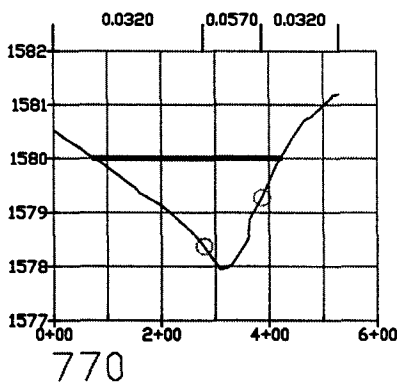
Cross-Section:	~~20~~ 765	
Elevation:	1557.99	ft MSL
Depth:	2.58	ft
Discharge:	1850.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.7571	
Flow Regime:	Subcritical	
Flow Area:	268.01	sq ft
Average Velocity:	6.91	ft/s
Maximum Velocity:	6.91	ft/s
Composite n:	0.032	
Hydraulic Radius:	1	ft
Wetted Perimeter:	267.09	ft
Wetted Top Width:	267.03	ft
Critical Slope:	0.0381	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S15–~~20~~ 765

Entellus™

File: T3N-R7W-S15.dwg Date: 9/25/02



Normal Depth Results

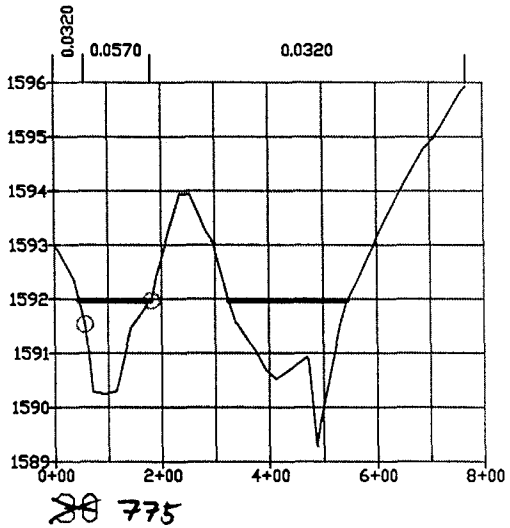
Cross-Section:	770	
Elevation:	1580.01	ft MSL
Depth:	2.06	ft
Discharge:	1850.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.666	
Flow Regime:	Subcritical	
Flow Area:	341.16	sq ft
Average Velocity:	5.44	ft/s
Maximum Velocity:	5.67	ft/s
Composite n:	0.0406	
Hydraulic Radius:	0.99	ft
Wetted Perimeter:	345.93	ft
Wetted Top Width:	345.89	ft
Critical Slope:	0.0501	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S15–770

Entellus™

File: T3N-R7W-S15.dwg Date: 9/25/02



Normal Depth Results

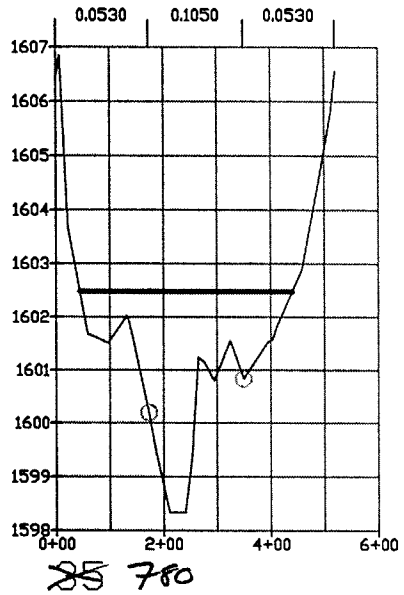
Cross-Section:	~~30~~ 775	
Elevation:	1591.97	ft MSL
Depth:	2.68	ft
Discharge:	2330.00	cfs
Energy Gradient:	0.0219	ft/ft
Froude Number:	0.6653	
Flow Regime:	Subcritical	
Flow Area:	377.00	sq ft
Average Velocity:	6.21	ft/s
Maximum Velocity:	7.42	ft/s
Composite n:	0.0415	
Hydraulic Radius:	1.07	ft
Wetted Perimeter:	353.85	ft
Wetted Top Width:	353.60	ft
Critical Slope:	0.0617	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S15–~~30~~ 775

Entellus™

File: T3N-R7W-S15.dwg Date: 9/03/02



Normal Depth Results

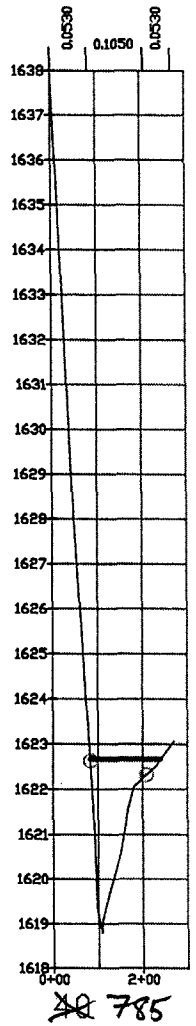
Cross-Section:	~~35~~ 780	
Elevation:	1602.48	ft MSL
Depth:	4.15	ft
Discharge:	2330.00	cfs
Energy Gradient:	0.02	ft/ft
Froude Number:	0.3194	
Flow Regime:	Subcritical	
Flow Area:	631.52	sq ft
Average Velocity:	3.67	ft/s
Maximum Velocity:	3.75	ft/s
Composite n:	0.0783	
Hydraulic Radius:	1.59	ft
Wetted Perimeter:	396.38	ft
Wetted Top Width:	396.03	ft
Critical Slope:	0.1983	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S15–~~35~~ 780

Entellus™

File: T3N-R7W-S15.dwg; Date: 9/03/02



Normal Depth Results

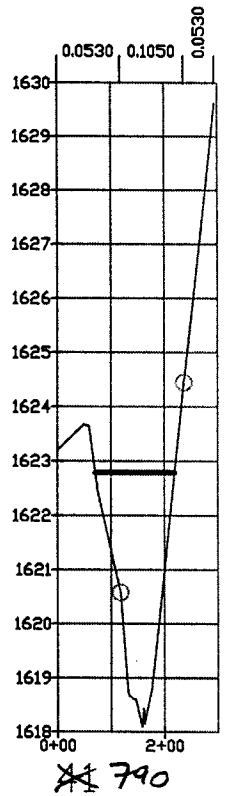
Cross-Section:	~~40~~ 785	
Elevation:	1622.67	ft MSL
Depth:	3.88	ft
Discharge:	700.00	cfs
Energy Gradient:	0.02	ft/ft
Froude Number:	0.2643	
Flow Regime:	Subcritical	
Flow Area:	236.95	sq ft
Average Velocity:	2.96	ft/s
Maximum Velocity:	3.00	ft/s
Composite n:	0.0957	
Hydraulic Radius:	1.5	ft
Wetted Perimeter:	158.18	ft
Wetted Top Width:	157.69	ft
Critical Slope:	0.3005	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S15–~~40~~ 785

Entellus™

File: T3N-R7W-S15.dwg; Date: 9/03/02



Normal Depth Results

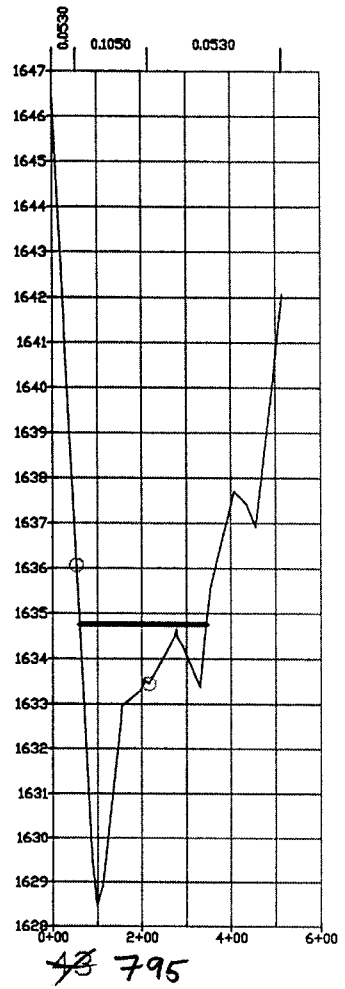
Cross-Section:	~~A1~~ 790	
Elevation:	1622.79	ft MSL
Depth:	4.69	ft
Discharge:	1630.00	cfs
Energy Gradient:	0.02	ft/ft
Froude Number:	0.354	
Flow Regime:	Subcritical	
Flow Area:	374.96	sq ft
Average Velocity:	4.33	ft/s
Maximum Velocity:	4.40	ft/s
Composite n:	0.0902	
Hydraulic Radius:	2.52	ft
Wetted Perimeter:	148.56	ft
Wetted Top Width:	148.12	ft
Critical Slope:	0.1609	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S15–~~A1~~ 790

Entellus™

File: T3N-R7W-S15.dwg; Date: 9/03/02



Normal Depth Results

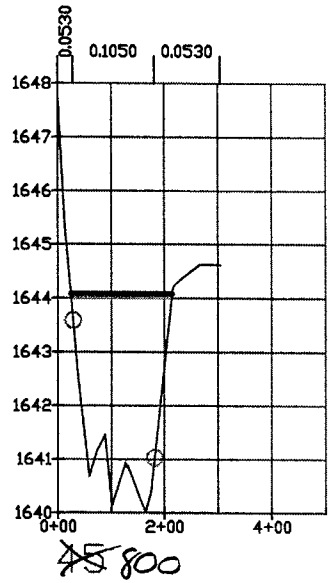
Cross-Section:	~~46~~ 795	
Elevation:	1634.77	ft MSL
Depth:	6.31	ft
Discharge:	2330.00	cfs
Energy Gradient:	0.02	ft/ft
Froude Number:	0.2858	
Flow Regime:	Subcritical	
Flow Area:	572.13	sq ft
Average Velocity:	4.05	ft/s
Maximum Velocity:	4.21	ft/s
Composite n:	0.0836	
Hydraulic Radius:	2.01	ft
Wetted Perimeter:	284.90	ft
Wetted Top Width:	284.04	ft
Critical Slope:	0.2522	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S15–~~A3~~ 795

Entellus™

File: T3N-R7W-S15.dwg, Date: 9/03/02



Normal Depth Results

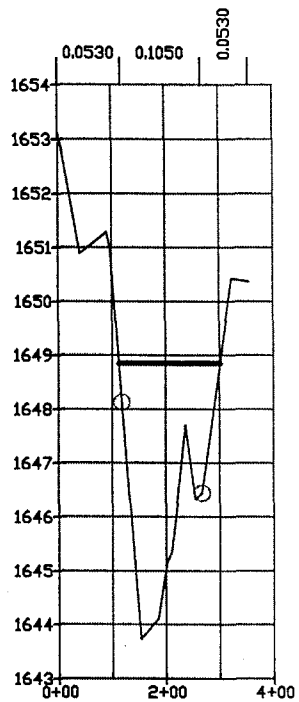
Cross-Section:	~~45~~ 800	
Elevation:	1644.08	ft MSL
Depth:	4.06	ft
Discharge:	2330.00	cfs
Energy Gradient:	0.02	ft/ft
Froude Number:	0.3827	
Flow Regime:	Subcritical	
Flow Area:	532.37	sq ft
Average Velocity:	4.38	ft/s
Maximum Velocity:	5.26	ft/s
Composite n:	0.0959	
Hydraulic Radius:	2.78	ft
Wetted Perimeter:	191.29	ft
Wetted Top Width:	190.84	ft
Critical Slope:	0.1385	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S15–~~45~~ 800

Entellus™

File: T3N-R7W-S15.dwg, Date: 9/03/02



~~50~~ 805

Normal Depth Results

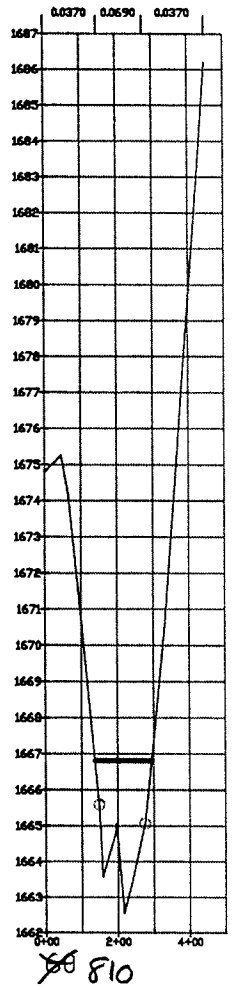
Cross-Section:	~~50~~ 805	
Elevation:	1648.86	ft MSL
Depth:	5.13	ft
Discharge:	2330.00	cfs
Energy Gradient:	0.02	ft/ft
Froude Number:	0.3423	
Flow Regime:	Subcritical	
Flow Area:	529.98	sq ft
Average Velocity:	4.41	ft/s
Maximum Velocity:	4.51	ft/s
Composite n:	0.0954	
Hydraulic Radius:	2.81	ft
Wetted Perimeter:	188.86	ft
Wetted Top Width:	188.26	ft
Critical Slope:	0.171	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S15–~~50~~ 805

Entellus™

File: T3N-R7W-S15.dwg; Date: 9/03/02



Normal Depth Results

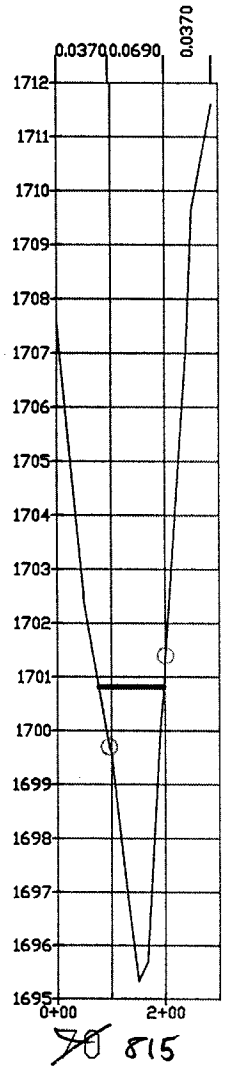
Cross-Section:	~~50~~ 810	
Elevation:	1666.82	ft MSL
Depth:	4.27	ft
Discharge:	2330.00	cfs
Energy Gradient:	0.02	ft/ft
Froude Number:	0.5157	
Flow Regime:	Subcritical	
Flow Area:	385.61	sq ft
Average Velocity:	6.03	ft/s
Maximum Velocity:	6.11	ft/s
Composite n:	0.0634	
Hydraulic Radius:	2.43	ft
Wetted Perimeter:	158.63	ft
Wetted Top Width:	158.02	ft
Critical Slope:	0.0762	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S15–~~50~~ 810

Entellus™

File: T3N-R7W-S15.dwg, Date: 9/03/02



Normal Depth Results

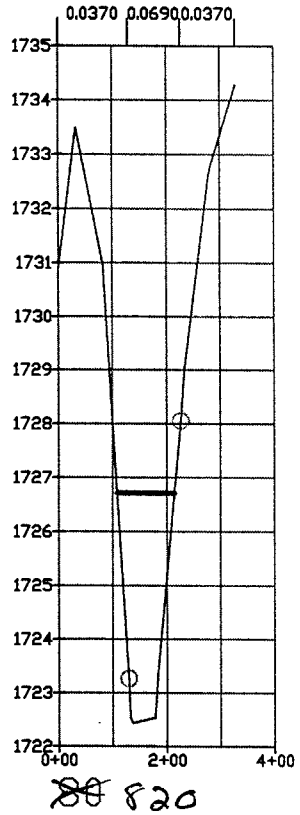
Cross-Section:	~~70~~ 815	
Elevation:	1700.82	ft MSL
Depth:	5.49	ft
Discharge:	2330.00	cfs
Energy Gradient:	0.02	ft/ft
Froude Number:	0.5033	
Flow Regime:	Subcritical	
Flow Area:	348.42	sq ft
Average Velocity:	6.69	ft/s
Maximum Velocity:	6.78	ft/s
Composite n:	0.0645	
Hydraulic Radius:	2.87	ft
Wetted Perimeter:	121.27	ft
Wetted Top Width:	120.60	ft
Critical Slope:	0.0809	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S15–~~70~~ 815

Entellus™

File: T3N-R7W-S15.dwg; Date: 9/03/02



Normal Depth Results

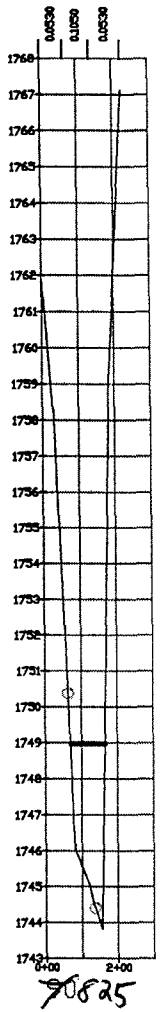
Cross-Section:	~~80~~ 820	
Elevation:	1726.72	ft MSL
Depth:	4.29	ft
Discharge:	2330.00	cfs
Energy Gradient:	0.0234	ft/ft
Froude Number:	0.6337	
Flow Regime:	Subcritical	
Flow Area:	313.05	sq ft
Average Velocity:	7.43	ft/s
Maximum Velocity:	8.78	ft/s
Composite n:	0.0633	
Hydraulic Radius:	2.95	ft
Wetted Perimeter:	106.30	ft
Wetted Top Width:	105.68	ft
Critical Slope:	0.059	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S15–~~80~~ 820

Entellus™

File: T3N-R7W-S15.dwg; Date: 9/03/02



Normal Depth Results

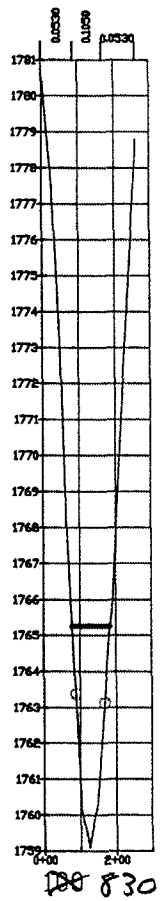
Cross-Section:	~~90~~ 825	
Elevation:	1748.97	ft MSL
Depth:	5.15	ft
Discharge:	2330.00	cfs
Energy Gradient:	0.0234	ft/ft
Froude Number:	0.5322	
Flow Regime:	Subcritical	
Flow Area:	340.12	sq ft
Average Velocity:	6.84	ft/s
Maximum Velocity:	10.71	ft/s
Composite n:	0.0907	
Hydraulic Radius:	3.47	ft
Wetted Perimeter:	97.94	ft
Wetted Top Width:	96.23	ft
Critical Slope:	0.1168	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S15–~~90~~ 825

Entellus™

File: T3N-R7W-S15.dwg, Date: 9/03/02



Normal Depth Results

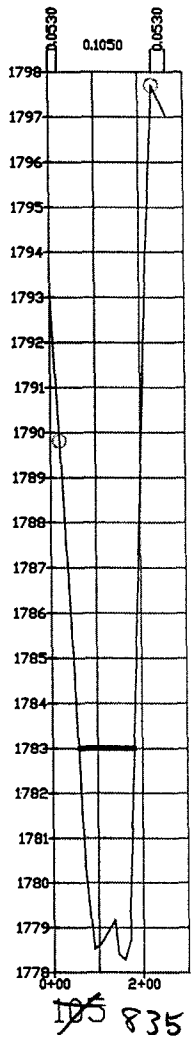
Cross-Section:	~~100~~ 830	
Elevation:	1765.26	ft MSL
Depth:	6.16	ft
Discharge:	2330.00	cfs
Energy Gradient:	0.0234	ft/ft
Froude Number:	0.4174	
Flow Regime:	Subcritical	
Flow Area:	396.38	sq ft
Average Velocity:	5.90	ft/s
Maximum Velocity:	6.01	ft/s
Composite n:	0.0938	
Hydraulic Radius:	3.73	ft
Wetted Perimeter:	106.25	ft
Wetted Top Width:	105.35	ft
Critical Slope:	0.136	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S15–~~100~~ 830

Entellus™

File: T3N-R7W-S15.dwg, Date: 9/03/02



Normal Depth Results

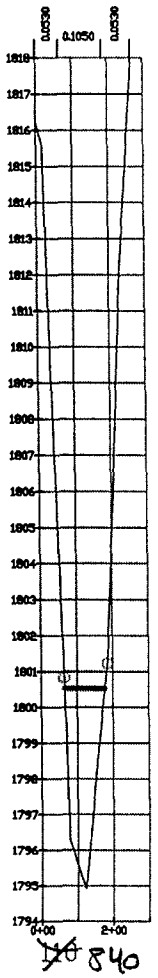
Cross-Section:	~~105~~ 835	
Elevation:	1783.00	ft MSL
Depth:	4.72	ft
Discharge:	2330.00	cfs
Energy Gradient:	0.0234	ft/ft
Froude Number:	0.4157	
Flow Regime:	Subcritical	
Flow Area:	454.71	sq ft
Average Velocity:	5.13	ft/s
Maximum Velocity:	5.13	ft/s
Composite n:	0.105	
Hydraulic Radius:	3.64	ft
Wetted Perimeter:	124.98	ft
Wetted Top Width:	123.78	ft
Critical Slope:	0.1348	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S15–~~105~~ 835

Entellus™

File: T3N-R7W-S15.dwg; Date: 9/03/02



Normal Depth Results

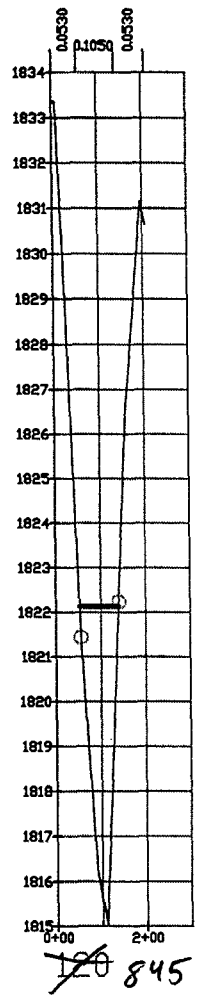
Cross-Section:	~~110~~ 840	
Elevation:	1800.53	ft MSL
Depth:	5.60	ft
Discharge:	2330.00	cfs
Energy Gradient:	0.0317	ft/ft
Froude Number:	0.4358	
Flow Regime:	Subcritical	
Flow Area:	398.20	sq ft
Average Velocity:	5.84	ft/s
Maximum Velocity:	5.84	ft/s
Composite n:	0.105	
Hydraulic Radius:	3.52	ft
Wetted Perimeter:	113.19	ft
Wetted Top Width:	112.14	ft
Critical Slope:	0.1672	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S15–~~110~~ 840

Entellus™

File: T3N-R7W-S15.dwg; Date: 9/03/02



Normal Depth Results

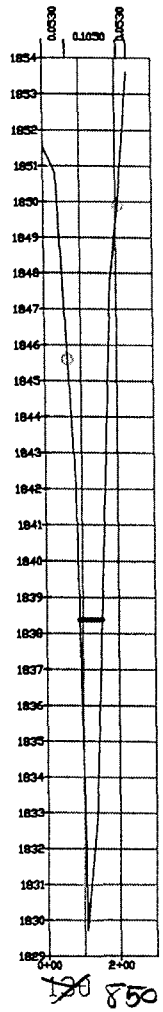
Cross-Section:	~~120~~ 845	
Elevation:	1822.13	ft MSL
Depth:	7.09	ft
Discharge:	2330.00	cfs
Energy Gradient:	0.0317	ft/ft
Froude Number:	0.4321	
Flow Regime:	Subcritical	
Flow Area:	356.89	sq ft
Average Velocity:	6.53	ft/s
Maximum Velocity:	6.54	ft/s
Composite n:	0.1035	
Hydraulic Radius:	4.04	ft
Wetted Perimeter:	88.40	ft
Wetted Top Width:	87.01	ft
Critical Slope:	0.1713	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S15–~~120~~ 845

Entellus™

File: T3N-R7W-S15.dwg; Date: 9/03/02



Normal Depth Results

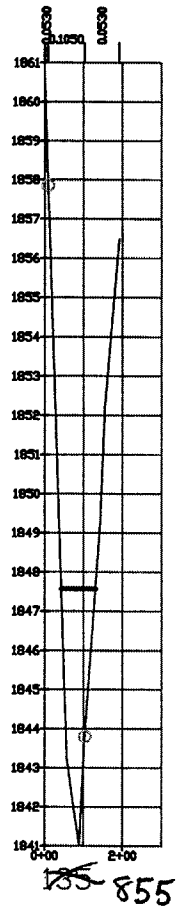
Cross-Section:	~~130~~ 850	
Elevation:	1838.38	ft MSL
Depth:	8.65	ft
Discharge:	2330.00	cfs
Energy Gradient:	0.0317	ft/ft
Froude Number:	0.4351	
Flow Regime:	Subcritical	
Flow Area:	320.90	sq ft
Average Velocity:	7.27	ft/s
Maximum Velocity:	7.27	ft/s
Composite n:	0.105	
Hydraulic Radius:	4.88	ft
Wetted Perimeter:	65.75	ft
Wetted Top Width:	62.75	ft
Critical Slope:	0.167	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S15–~~130~~ 850

Entellus™

File: T3N-R7W-S15.dwg, Date: 9/03/02



Normal Depth Results

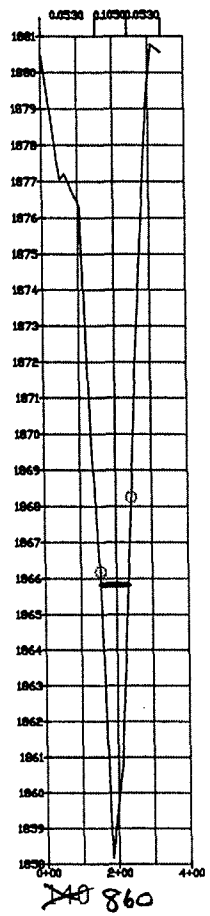
Cross-Section:	~~135~~ 855	
Elevation:	1847.57	ft MSL
Depth:	6.55	ft
Discharge:	2330.00	cfs
Energy Gradient:	0.0317	ft/ft
Froude Number:	0.4839	
Flow Regime:	Subcritical	
Flow Area:	331.69	sq ft
Average Velocity:	7.03	ft/s
Maximum Velocity:	7.57	ft/s
Composite n:	0.0906	
Hydraulic Radius:	3.72	ft
Wetted Perimeter:	89.27	ft
Wetted Top Width:	88.01	ft
Critical Slope:	0.1354	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S15–~~135~~ 855

Entellus™

File: T3N-R7W-S15.dwg, Date: 9/25/02



Normal Depth Results

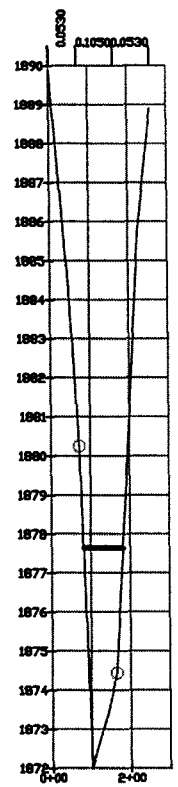
Cross-Section:	~~140~~ 860	
Elevation:	1865.83	ft MSL
Depth:	7.66	ft
Discharge:	2330.00	cfs
Energy Gradient:	0.0317	ft/ft
Froude Number:	0.4308	
Flow Regime:	Subcritical	
Flow Area:	344.44	sq ft
Average Velocity:	6.77	ft/s
Maximum Velocity:	6.77	ft/s
Composite n:	0.105	
Hydraulic Radius:	4.38	ft
Wetted Perimeter:	78.58	ft
Wetted Top Width:	76.77	ft
Critical Slope:	0.1706	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S15–~~140~~ 860

Entellus™

File: T3N-R7W-S15.dwg; Date: 9/03/02



865

Normal Depth Results

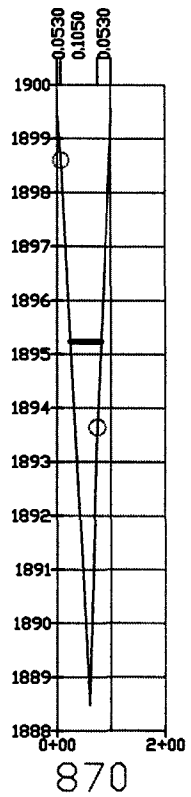
Cross-Section:	865	
Elevation:	1877.64	ft MSL
Depth:	5.60	ft
Discharge:	2330.00	cfs
Energy Gradient:	0.0317	ft/ft
Froude Number:	0.4769	
Flow Regime:	Subcritical	
Flow Area:	364.00	sq ft
Average Velocity:	6.40	ft/s
Maximum Velocity:	6.75	ft/s
Composite n:	0.0973	
Hydraulic Radius:	3.6	ft
Wetted Perimeter:	101.24	ft
Wetted Top Width:	100.07	ft
Critical Slope:	0.1394	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S15–865

Entellus™

File: T3N-R7W-S15.dwg Date: 9/25/02



Normal Depth Results

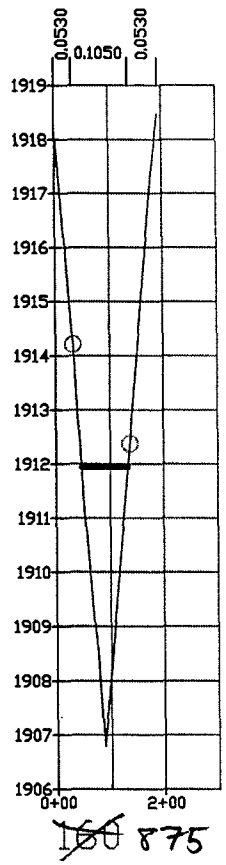
Cross-Section:	870	
Elevation:	1895.24	ft MSL
Depth:	6.75	ft
Discharge:	990.00	cfs
Energy Gradient:	0.0274	ft/ft
Froude Number:	0.3626	
Flow Regime:	Subcritical	
Flow Area:	185.21	sq ft
Average Velocity:	5.34	ft/s
Maximum Velocity:	5.38	ft/s
Composite n:	0.0994	
Hydraulic Radius:	3.14	ft
Wetted Perimeter:	58.98	ft
Wetted Top Width:	57.25	ft
Critical Slope:	0.2104	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S15–870

Entellus™

File: T3N-R7W-S15.dwg; Date: 9/25/02



Normal Depth Results

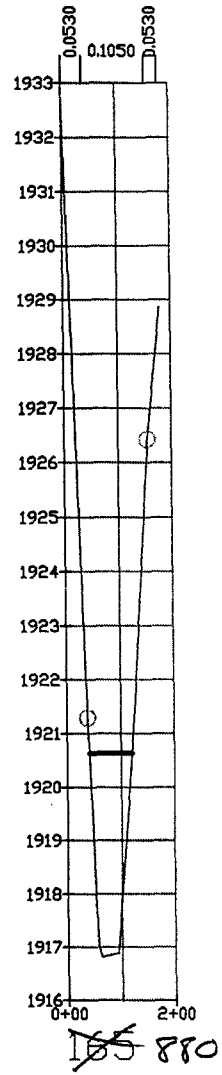
Cross-Section:	~~150~~ 875	
Elevation:	1911.94	ft MSL
Depth:	5.14	ft
Discharge:	990.00	cfs
Energy Gradient:	0.0274	ft/ft
Froude Number:	0.3431	
Flow Regime:	Subcritical	
Flow Area:	224.30	sq ft
Average Velocity:	4.43	ft/s
Maximum Velocity:	4.43	ft/s
Composite n:	0.105	
Hydraulic Radius:	2.59	ft
Wetted Perimeter:	86.65	ft
Wetted Top Width:	86.03	ft
Critical Slope:	0.2311	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S15–~~180~~ 875

Entellus™

File: T3N-R7W-S15.dwg; Date: 9/03/02



Normal Depth Results

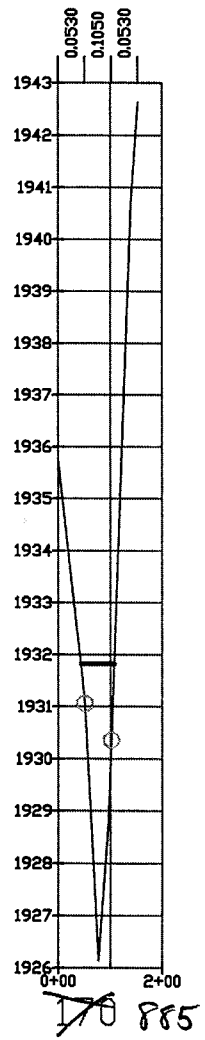
Cross-Section:	~~158~~ 880	
Elevation:	1920.63	ft MSL
Depth:	3.81	ft
Discharge:	990.00	cfs
Energy Gradient:	0.0274	ft/ft
Froude Number:	0.4111	
Flow Regime:	Subcritical	
Flow Area:	217.45	sq ft
Average Velocity:	4.56	ft/s
Maximum Velocity:	4.56	ft/s
Composite n:	0.105	
Hydraulic Radius:	2.71	ft
Wetted Perimeter:	80.29	ft
Wetted Top Width:	79.61	ft
Critical Slope:	0.1613	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S15–~~185~~ 880

Entellus™

File: T3N-R7W-S15.dwg; Date: 9/03/02



Normal Depth Results

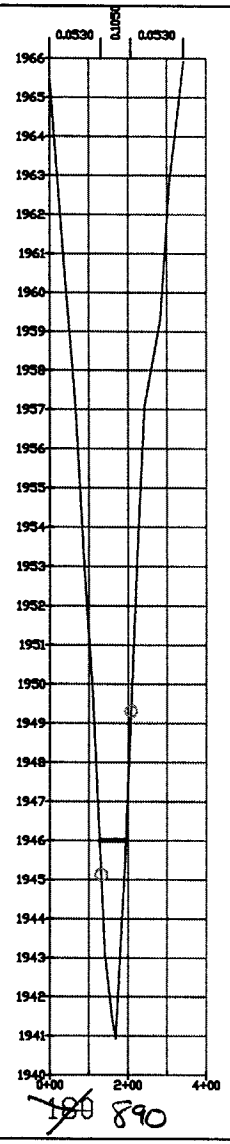
Cross-Section:	~~170~~ 885	
Elevation:	1931.83	ft MSL
Depth:	5.69	ft
Discharge:	990.00	cfs
Energy Gradient:	0.0274	ft/ft
Froude Number:	0.3915	
Flow Regime:	Subcritical	
Flow Area:	186.93	sq ft
Average Velocity:	5.31	ft/s
Maximum Velocity:	5.39	ft/s
Composite n:	0.0957	
Hydraulic Radius:	2.88	ft
Wetted Perimeter:	64.96	ft
Wetted Top Width:	63.87	ft
Critical Slope:	0.1846	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S15–~~170~~ 885

Entellus™

File: T3N-R7W-S15.dwg; Date: 9/25/02



Normal Depth Results

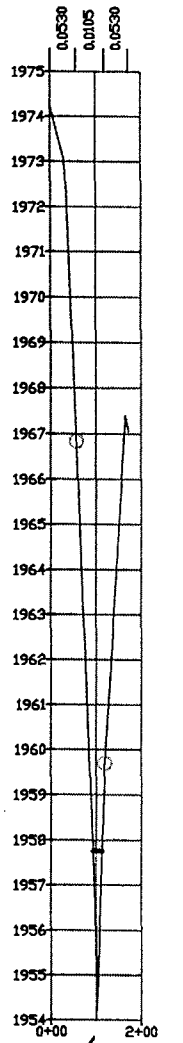
Cross-Section:	~~180~~ 890	
Elevation:	1946.00	ft MSL
Depth:	5.07	ft
Discharge:	990.00	cfs
Energy Gradient:	0.0274	ft/ft
Froude Number:	0.3888	
Flow Regime:	Subcritical	
Flow Area:	199.28	sq ft
Average Velocity:	4.97	ft/s
Maximum Velocity:	4.99	ft/s
Composite n:	0.1022	
Hydraulic Radius:	2.94	ft
Wetted Perimeter:	67.85	ft
Wetted Top Width:	66.95	ft
Critical Slope:	0.1827	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S15–~~180~~ 890

Entellus™

File: T3N-R7W-S15.dwg; Date: 9/25/02



~~190~~ 895

Normal Depth Results

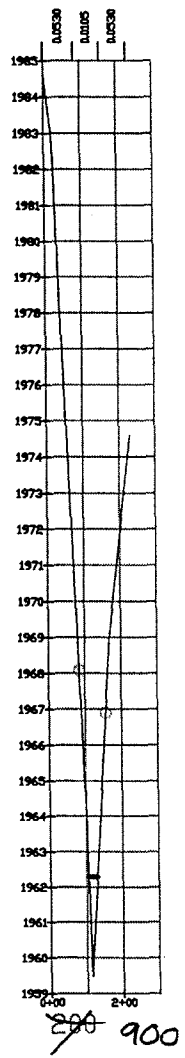
Cross-Section:	~~190~~ 895	
Elevation:	1957.76	ft MSL
Depth:	3.55	ft
Discharge:	990.00	cfs
Energy Gradient:	0.0274	ft/ft
Froude Number:	2.8936	
Flow Regime:	Supercritical	
Flow Area:	31.99	sq ft
Average Velocity:	30.90	ft/s
Maximum Velocity:	30.90	ft/s
Composite n:	0.0105	
Hydraulic Radius:	1.51	ft
Wetted Perimeter:	21.20	ft
Wetted Top Width:	19.83	ft
Critical Slope:	0.0032	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S15–~~190~~ 895

Entellus™

File: T3N-R7W-S15.dwg, Date: 9/03/02



Normal Depth Results

Cross-Section:	~~200~~ 900	
Elevation:	1962.29	ft MSL
Depth:	2.81	ft
Discharge:	990.00	cfs
Energy Gradient:	0.0274	ft/ft
Froude Number:	3.037	
Flow Regime:	Supercritical	
Flow Area:	34.27	sq ft
Average Velocity:	28.96	ft/s
Maximum Velocity:	28.96	ft/s
Composite n:	0.0105	
Hydraulic Radius:	1.37	ft
Wetted Perimeter:	25.03	ft
Wetted Top Width:	24.34	ft
Critical Slope:	0.0029	ft/ft

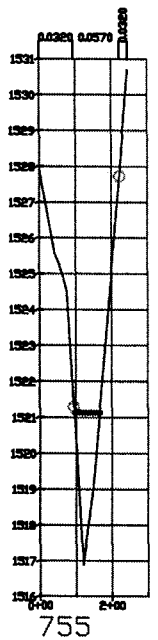
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S15–~~200~~ 900

Entellus™

File: T3N-R7W-S15.dwg; Date: 9/03/02

T3N-R7W-S17



Normal Depth Results

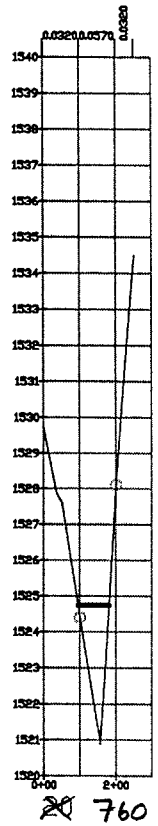
Cross-Section:	755	
Elevation:	1521.13	ft MSL
Depth:	4.24	ft
Discharge:	960.00	cfs
Energy Gradient:	0.0185	ft/ft
Froude Number:	0.5171	
Flow Regime:	Subcritical	
Flow Area:	158.85	sq ft
Average Velocity:	6.04	ft/s
Maximum Velocity:	6.04	ft/s
Composite n:	0.057	
Hydraulic Radius:	2.21	ft
Wetted Perimeter:	71.73	ft
Wetted Top Width:	71.17	ft
Critical Slope:	0.0692	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S17–755

Entellus™

File: T3N-R7W-S17.dwg, Date: 9/03/02



Normal Depth Results

Cross-Section:	~~20~~ 760	
Elevation:	1524.74	ft MSL
Depth:	3.85	ft
Discharge:	960.00	cfs
Energy Gradient:	0.0185	ft/ft
Froude Number:	0.5159	
Flow Regime:	Subcritical	
Flow Area:	167.09	sq ft
Average Velocity:	5.72	ft/s
Maximum Velocity:	5.74	ft/s
Composite n:	0.0556	
Hydraulic Radius:	1.94	ft
Wetted Perimeter:	86.25	ft
Wetted Top Width:	85.82	ft
Critical Slope:	0.0715	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S17–~~20~~ 760

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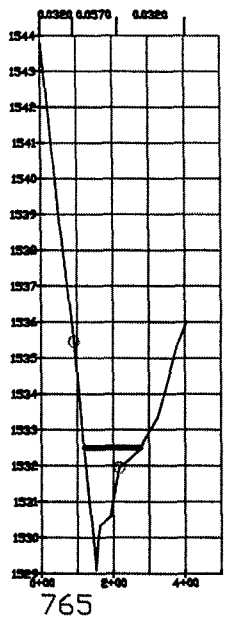
File: T3N-R7W-S17.dwg, Date: 9/03/02



Normal Depth Results

Cross-Section:	765	
Elevation:	1532.51	ft MSL
Depth:	3.40	ft
Discharge:	960.00	cfs
Energy Gradient:	0.0185	ft/ft
Froude Number:	0.4767	
Flow Regime:	Subcritical	
Flow Area:	192.64	sq ft
Average Velocity:	5.01	ft/s
Maximum Velocity:	5.23	ft/s
Composite n:	0.0483	
Hydraulic Radius:	1.23	ft
Wetted Perimeter:	156.56	ft
Wetted Top Width:	156.25	ft
Critical Slope:	0.0873	ft/ft

File: T3N-R7W-S17.dwg; Date: 9/03/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S17–765

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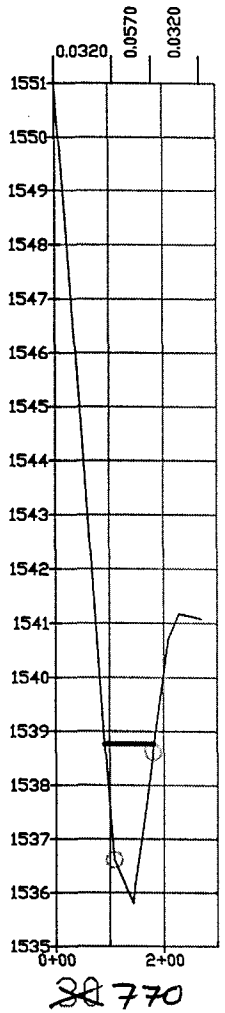


Normal Depth Results

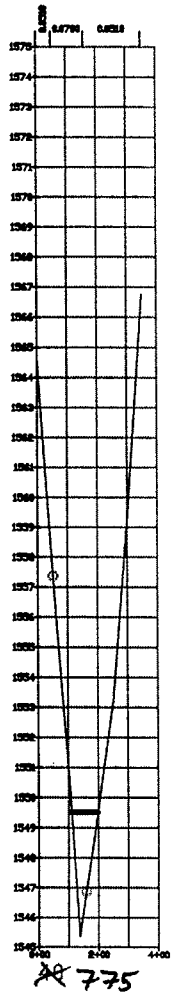
Cross-Section:	~~30~~ 770	
Elevation:	1538.77	ft MSL
Depth:	2.97	ft
Discharge:	960.00	cfs
Energy Gradient:	0.0185	ft/ft
Froude Number:	0.5917	
Flow Regime:	Subcritical	
Flow Area:	165.95	sq ft
Average Velocity:	5.82	ft/s
Maximum Velocity:	6.73	ft/s
Composite n:	0.0522	
Hydraulic Radius:	1.82	ft
Wetted Perimeter:	91.41	ft
Wetted Top Width:	91.15	ft
Critical Slope:	0.0531	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S17–~~30~~ 770

Entellus™

File: T3N-R7W-S17.dwg Date: 9/03/02



Normal Depth Results

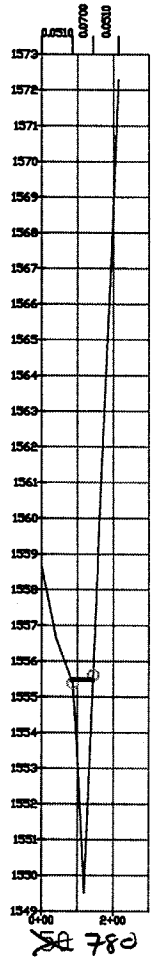
Cross-Section:	~~40~~ 775	
Elevation:	1549.51	ft MSL
Depth:	4.14	ft
Discharge:	960.00	cfs
Energy Gradient:	0.0185	ft/ft
Froude Number:	0.46	
Flow Regime:	Subcritical	
Flow Area:	180.70	sq ft
Average Velocity:	5.30	ft/s
Maximum Velocity:	5.52	ft/s
Composite n:	0.0619	
Hydraulic Radius:	2.05	ft
Wetted Perimeter:	88.30	ft
Wetted Top Width:	87.85	ft
Critical Slope:	0.0887	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S17–~~40~~ 775

Entellus™

File: T3N-R7W-S17.dwg; Date: 9/03/02



Normal Depth Results

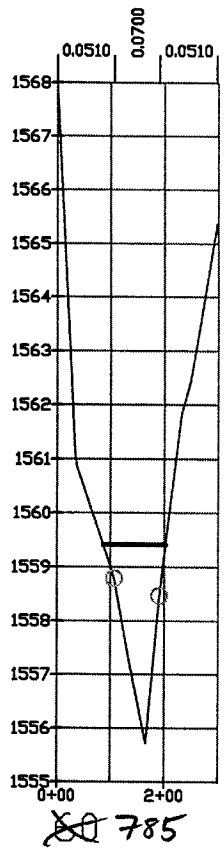
Cross-Section:	~~50~~ 780	
Elevation:	1555.49	ft MSL
Depth:	5.97	ft
Discharge:	960.00	cfs
Energy Gradient:	0.0185	ft/ft
Froude Number:	0.4177	
Flow Regime:	Subcritical	
Flow Area:	165.87	sq ft
Average Velocity:	5.80	ft/s
Maximum Velocity:	5.81	ft/s
Composite n:	0.0689	
Hydraulic Radius:	2.68	ft
Wetted Perimeter:	61.90	ft
Wetted Top Width:	60.65	ft
Critical Slope:	0.1105	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S17–~~50~~ 780

Entellus™

File: T3N-R7W-S17.dwg Date: 9/03/02



Normal Depth Results

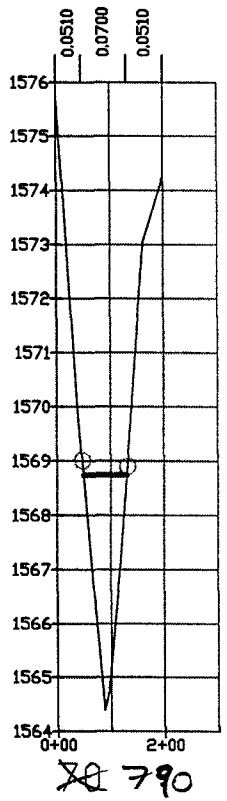
Cross-Section:	~~80~~ 785	
Elevation:	1559.42	ft MSL
Depth:	3.70	ft
Discharge:	960.00	cfs
Energy Gradient:	0.0185	ft/ft
Froude Number:	0.4373	
Flow Regime:	Subcritical	
Flow Area:	201.18	sq ft
Average Velocity:	4.79	ft/s
Maximum Velocity:	4.95	ft/s
Composite n:	0.065	
Hydraulic Radius:	1.72	ft
Wetted Perimeter:	116.68	ft
Wetted Top Width:	116.40	ft
Critical Slope:	0.1098	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S17–~~80~~ 785

Entellus™

File: T3N-R7W-S17.dwg, Date: 9/03/02



Normal Depth Results

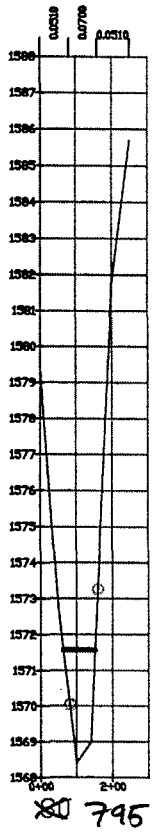
Cross-Section:	~~70~~ 790	
Elevation:	1568.74	ft MSL
Depth:	4.35	ft
Discharge:	960.00	cfs
Energy Gradient:	0.0185	ft/ft
Froude Number:	0.4295	
Flow Regime:	Subcritical	
Flow Area:	188.89	sq ft
Average Velocity:	5.09	ft/s
Maximum Velocity:	5.09	ft/s
Composite n:	0.07	
Hydraulic Radius:	2.33	ft
Wetted Perimeter:	81.02	ft
Wetted Top Width:	80.53	ft
Critical Slope:	0.0999	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S17–~~70~~ 790

Entellus™

File: T3N-R7W-S17.dwg, Date: 9/03/02



Normal Depth Results

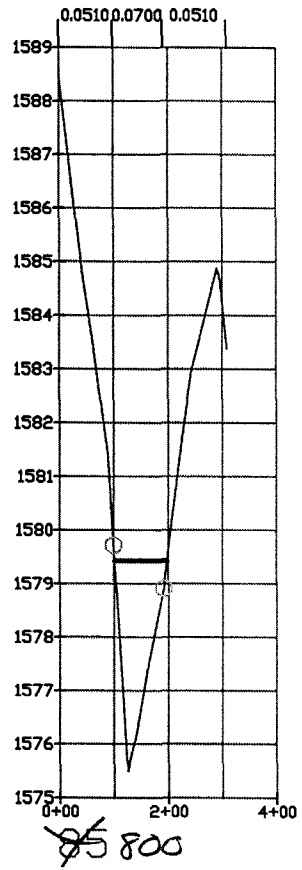
Cross-Section:	~~80~~ 795	
Elevation:	1571.57	ft MSL
Depth:	3.17	ft
Discharge:	960.00	cfs
Energy Gradient:	0.0185	ft/ft
Froude Number:	0.5061	
Flow Regime:	Subcritical	
Flow Area:	187.72	sq ft
Average Velocity:	5.13	ft/s
Maximum Velocity:	5.27	ft/s
Composite n:	0.0664	
Hydraulic Radius:	2.12	ft
Wetted Perimeter:	88.58	ft
Wetted Top Width:	88.16	ft
Critical Slope:	0.0745	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S17–~~80~~ 795

Entellus™

File: T3N-R7W-S17.dwg; Date: 9/03/02



Normal Depth Results

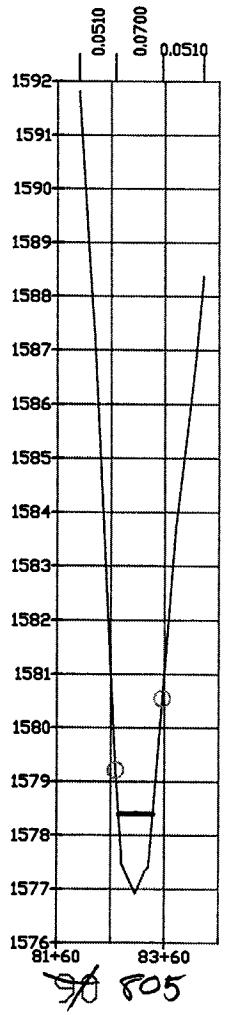
Cross-Section:	~~85~~ 800	
Elevation:	1579.43	ft MSL
Depth:	3.93	ft
Discharge:	960.00	cfs
Energy Gradient:	0.0185	ft/ft
Froude Number:	0.4305	
Flow Regime:	Subcritical	
Flow Area:	198.21	sq ft
Average Velocity:	4.83	ft/s
Maximum Velocity:	4.85	ft/s
Composite n:	0.0688	
Hydraulic Radius:	2.05	ft
Wetted Perimeter:	96.81	ft
Wetted Top Width:	96.38	ft
Critical Slope:	0.1039	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S17–~~85~~ 800

Entellus™

File: T3N-R7W-S17.dwg Date: 9/03/02



Normal Depth Results

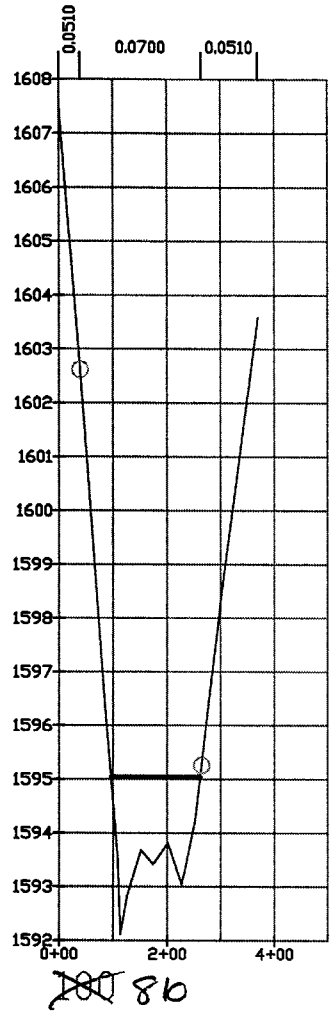
Cross-Section:	~~90~~ 805	
Elevation:	1578.40	ft MSL
Depth:	2.72	ft
Discharge:	960.00	cfs
Energy Gradient:	0.0185	ft/ft
Froude Number:	0.6515	
Flow Regime:	Subcritical	
Flow Area:	157.43	sq ft
Average Velocity:	6.13	ft/s
Maximum Velocity:	6.13	ft/s
Composite n:	0.051	
Hydraulic Radius:	1.92	ft
Wetted Perimeter:	82.16	ft
Wetted Top Width:	81.84	ft
Critical Slope:	0.0431	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S17–~~90~~ 805

Entellus™

File: T3N-R7W-S17.dwg, Date: 9/03/02



Normal Depth Results

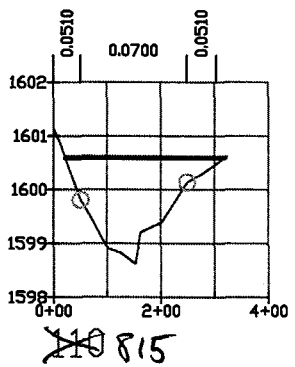
Cross-Section:	~~200~~ 810	
Elevation:	1595.04	ft MSL
Depth:	2.93	ft
Discharge:	960.00	cfs
Energy Gradient:	0.0185	ft/ft
Froude Number:	0.3937	
Flow Regime:	Subcritical	
Flow Area:	251.11	sq ft
Average Velocity:	3.81	ft/s
Maximum Velocity:	3.81	ft/s
Composite n:	0.07	
Hydraulic Radius:	1.51	ft
Wetted Perimeter:	166.07	ft
Wetted Top Width:	165.67	ft
Critical Slope:	0.1198	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S17–~~200~~ 810

Entellus™

File: T3N-R7W-S17.dwg, Date: 9/03/02



Normal Depth Results

Cross-Section:	~~110~~ 815	
Elevation:	1600.59	ft MSL
Depth:	1.97	ft
Discharge:	960.00	cfs
Energy Gradient:	0.0185	ft/ft
Froude Number:	0.4159	
Flow Regime:	Subcritical	
Flow Area:	289.57	sq ft
Average Velocity:	3.32	ft/s
Maximum Velocity:	3.48	ft/s
Composite n:	0.0639	
Hydraulic Radius:	0.97	ft
Wetted Perimeter:	297.44	ft
Wetted Top Width:	297.40	ft
Critical Slope:	0.1214	ft/ft

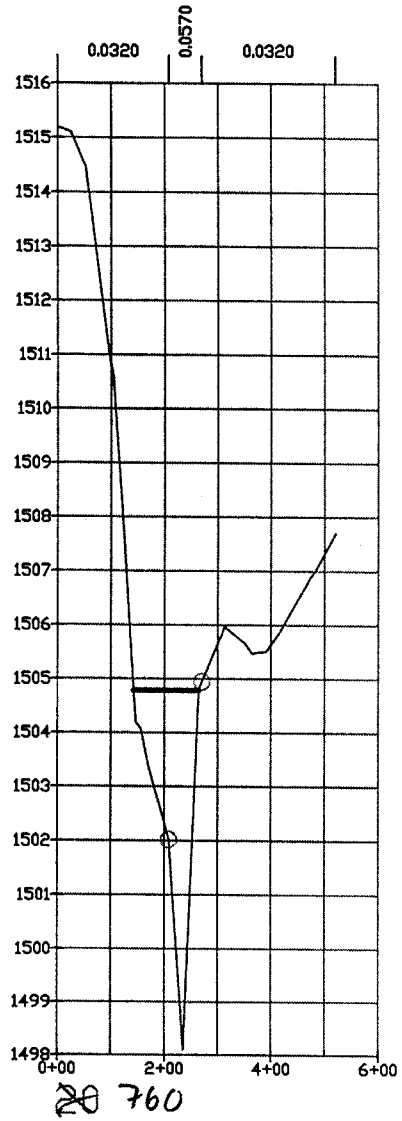
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S17–~~110~~ 815

Entellus™

File: T3N-K7W-S17.dwg Date: 9/03/02

T3N-R7W-S20



Normal Depth Results

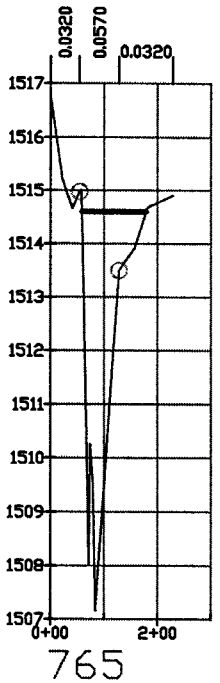
Cross-Section:	~~20~~ 760	
Elevation:	1504.79	ft MSL
Depth:	6.68	ft
Discharge:	2850.00	cfs
Energy Gradient:	0.0184	ft/ft
Froude Number:	0.5952	
Flow Regime:	Subcritical	
Flow Area:	326.66	sq ft
Average Velocity:	8.71	ft/s
Maximum Velocity:	8.83	ft/s
Composite n:	0.0445	
Hydraulic Radius:	2.65	ft
Wetted Perimeter:	123.11	ft
Wetted Top Width:	121.99	ft
Critical Slope:	0.0521	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S20–~~20~~ 760

Entellus™

File: T3N-R7W-S20.dwg; Date: 9/17/02



Normal Depth Results

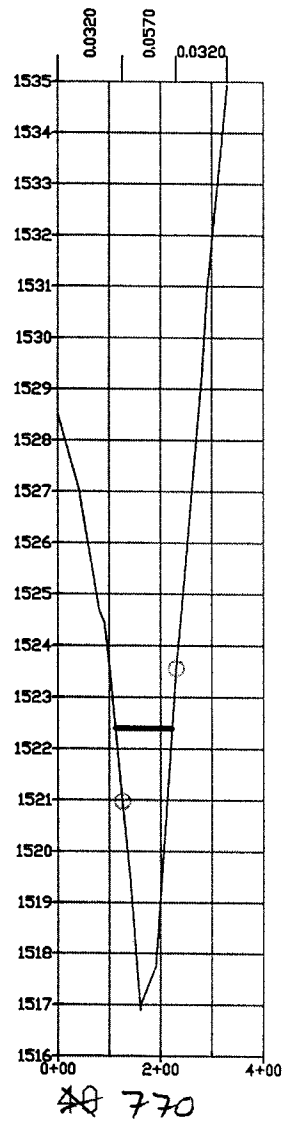
Cross-Section:	765	
Elevation:	1514.60	ft MSL
Depth:	7.44	ft
Discharge:	2850.00	cfs
Energy Gradient:	0.0184	ft/ft
Froude Number:	0.5562	
Flow Regime:	Subcritical	
Flow Area:	331.14	sq ft
Average Velocity:	8.61	ft/s
Maximum Velocity:	9.04	ft/s
Composite n:	0.0476	
Hydraulic Radius:	2.68	ft
Wetted Perimeter:	123.47	ft
Wetted Top Width:	119.93	ft
Critical Slope:	0.0656	ft/ft

File: T3N-R7W-S20.dwg; Date: 9/03/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S20–765

Entellus™



Normal Depth Results

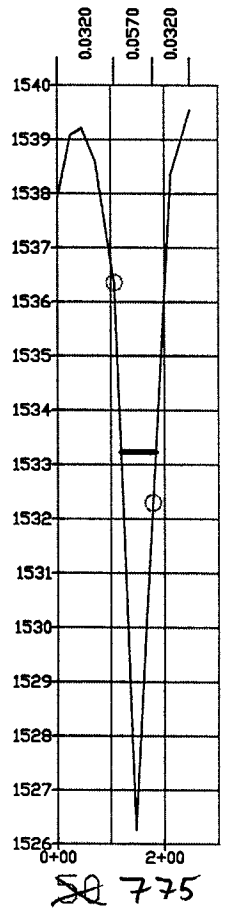
Cross-Section:	~~40~~ 770	
Elevation:	1522.40	ft MSL
Depth:	5.50	ft
Discharge:	2850.00	cfs
Energy Gradient:	0.0184	ft/ft
Froude Number:	0.6099	
Flow Regime:	Subcritical	
Flow Area:	351.23	sq ft
Average Velocity:	8.10	ft/s
Maximum Velocity:	8.19	ft/s
Composite n:	0.0541	
Hydraulic Radius:	3.16	ft
Wetted Perimeter:	111.21	ft
Wetted Top Width:	110.54	ft
Critical Slope:	0.0505	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S20–~~40~~ 770

Entellus™

File: T3N-R7W-S20.dwg Date: 9/17/02



Normal Depth Results

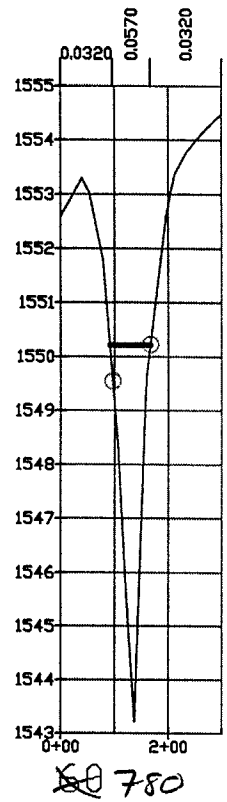
Cross-Section:	~~50~~ 775	
Elevation:	1533.23	ft MSL
Depth:	6.97	ft
Discharge:	1860.00	cfs
Energy Gradient:	0.0184	ft/ft
Froude Number:	0.5539	
Flow Regime:	Subcritical	
Flow Area:	224.16	sq ft
Average Velocity:	8.30	ft/s
Maximum Velocity:	8.35	ft/s
Composite n:	0.0552	
Hydraulic Radius:	3.36	ft
Wetted Perimeter:	66.67	ft
Wetted Top Width:	65.17	ft
Critical Slope:	0.0612	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S20–~~50~~ 775

Entellus™

File: T3N-R7W-S20.dwg; Date: 9/17/02



Normal Depth Results

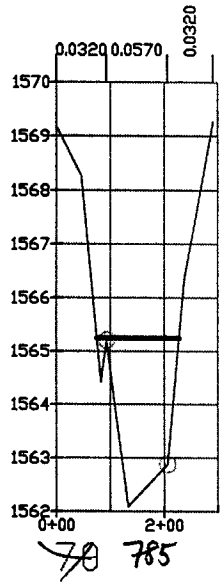
Cross-Section:	~~90~~ 780	
Elevation:	1550.22	ft MSL
Depth:	7.01	ft
Discharge:	1860.00	cfs
Energy Gradient:	0.0184	ft/ft
Froude Number:	0.521	
Flow Regime:	Subcritical	
Flow Area:	237.72	sq ft
Average Velocity:	7.82	ft/s
Maximum Velocity:	7.86	ft/s
Composite n:	0.0554	
Hydraulic Radius:	3.09	ft
Wetted Perimeter:	77.04	ft
Wetted Top Width:	75.56	ft
Critical Slope:	0.0694	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S20–~~60~~ 780

Entellus™

File: T3N-R7W-S20.dwg; Date: 9/17/02



Normal Depth Results

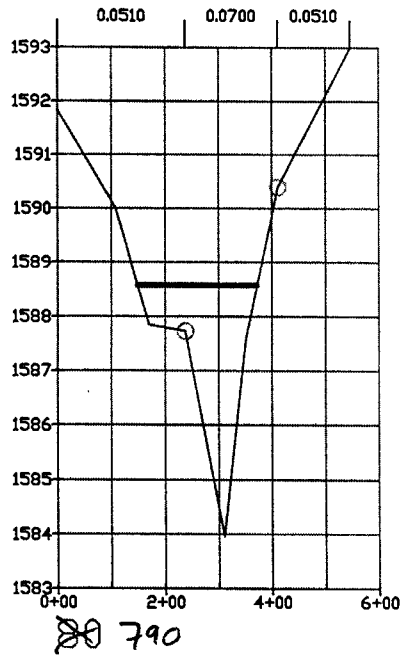
Cross-Section:	~~70~~ 785	
Elevation:	1565.25	ft MSL
Depth:	3.16	ft
Discharge:	1860.00	cfs
Energy Gradient:	0.0184	ft/ft
Froude Number:	0.6175	
Flow Regime:	Subcritical	
Flow Area:	298.83	sq ft
Average Velocity:	6.26	ft/s
Maximum Velocity:	7.04	ft/s
Composite n:	0.0511	
Hydraulic Radius:	1.95	ft
Wetted Perimeter:	152.92	ft
Wetted Top Width:	152.59	ft
Critical Slope:	0.0489	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S20–~~70~~ 785

Entellus™

File: T3N-R7W-S20-New-Mapping.dwg; Date: 9/19/02



Normal Depth Results

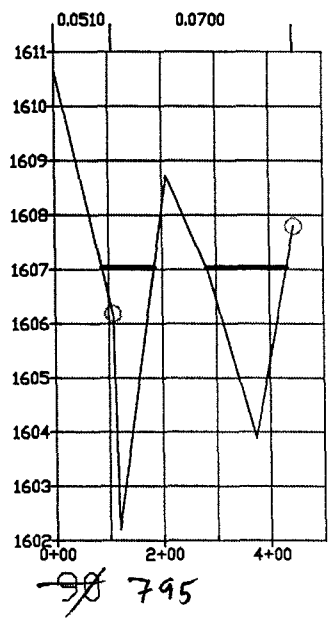
Cross-Section:	~~80~~ 790	
Elevation:	1588.58	ft MSL
Depth:	4.62	ft
Discharge:	1860.00	cfs
Energy Gradient:	0.0184	ft/ft
Froude Number:	0.3972	
Flow Regime:	Subcritical	
Flow Area:	384.13	sq ft
Average Velocity:	4.84	ft/s
Maximum Velocity:	5.17	ft/s
Composite n:	0.0627	
Hydraulic Radius:	1.72	ft
Wetted Perimeter:	223.74	ft
Wetted Top Width:	223.44	ft
Critical Slope:	0.1282	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S20–~~80~~ 790

Entellus™

File: T3N-R7W-S20-New-Mapping.dwg Date: 9/19/02



Normal Depth Results

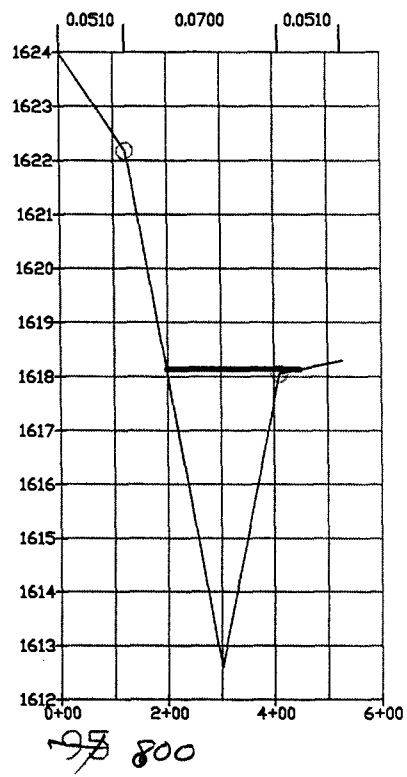
Cross-Section:	~~90~~ 795	
Elevation:	1607.04	ft MSL
Depth:	4.84	ft
Discharge:	1860.00	cfs
Energy Gradient:	0.0184	ft/ft
Froude Number:	0.3452	
Flow Regime:	Subcritical	
Flow Area:	431.89	sq ft
Average Velocity:	4.33	ft/s
Maximum Velocity:	4.37	ft/s
Composite n:	0.0685	
Hydraulic Radius:	1.74	ft
Wetted Perimeter:	247.76	ft
Wetted Top Width:	246.68	ft
Critical Slope:	0.1569	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S20–~~90~~ 795

Entellus™

File: T3N-R7W-S20-New-Mapping.dwg Date: 9/19/02



Normal Depth Results

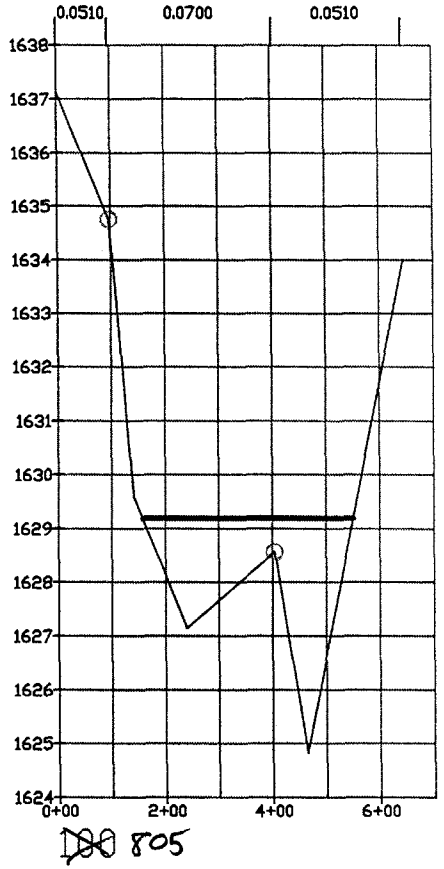
Cross-Section:	~~95~~ 800	
Elevation:	1618.13	ft MSL
Depth:	5.53	ft
Discharge:	3390.00	cfs
Energy Gradient:	0.0184	ft/ft
Froude Number:	0.4287	
Flow Regime:	Subcritical	
Flow Area:	592.57	sq ft
Average Velocity:	5.70	ft/s
Maximum Velocity:	5.72	ft/s
Composite n:	0.0672	
Hydraulic Radius:	2.36	ft
Wetted Perimeter:	251.50	ft
Wetted Top Width:	251.21	ft
Critical Slope:	0.1155	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S20–~~95~~ 800

Entellus™

File: T3N-R7W-S20-New-Mapping.dwg Date: 9/19/02



Normal Depth Results

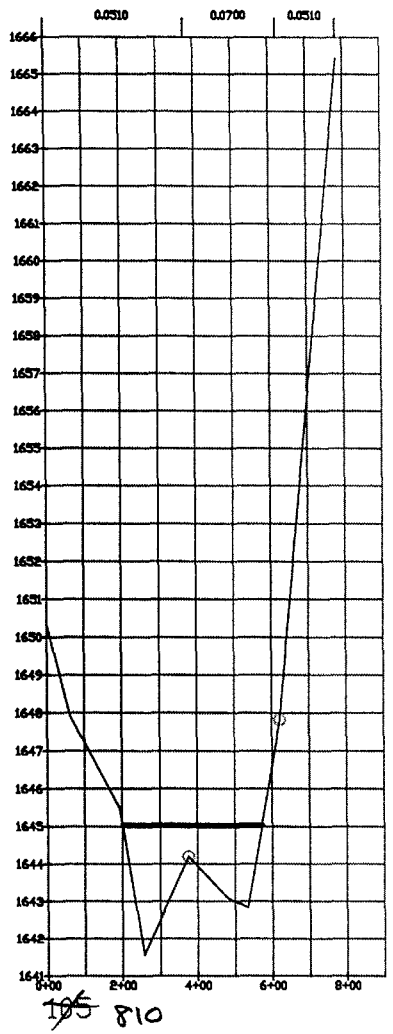
Cross-Section:	~~100~~ 805	
Elevation:	1629.20	ft MSL
Depth:	4.38	ft
Discharge:	3390.00	cfs
Energy Gradient:	0.0184	ft/ft
Froude Number:	0.4423	
Flow Regime:	Subcritical	
Flow Area:	645.67	sq ft
Average Velocity:	5.23	ft/s
Maximum Velocity:	6.94	ft/s
Composite n:	0.0632	
Hydraulic Radius:	1.64	ft
Wetted Perimeter:	394.22	ft
Wetted Top Width:	393.96	ft
Critical Slope:	0.1315	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S20–~~100~~ 805

Entellus™

File: T3N-K7W-S20-New-Mapping.dwg Date: 9/19/02



Normal Depth Results

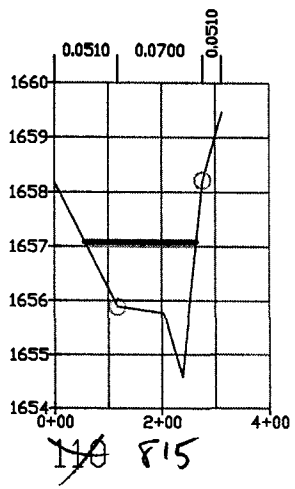
Cross-Section:	~~105~~ 810	
Elevation:	1645.03	ft MSL
Depth:	3.46	ft
Discharge:	3390.00	cfs
Energy Gradient:	0.0184	ft/ft
Froude Number:	0.4928	
Flow Regime:	Subcritical	
Flow Area:	651.58	sq ft
Average Velocity:	5.16	ft/s
Maximum Velocity:	6.32	ft/s
Composite n:	0.0614	
Hydraulic Radius:	1.75	ft
Wetted Perimeter:	372.44	ft
Wetted Top Width:	372.24	ft
Critical Slope:	0.0899	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S20–~~105~~ 810

Entellus™

File: T3N-R7W-S20-New-Mapping.dwg, Date: 9/19/02



Normal Depth Results

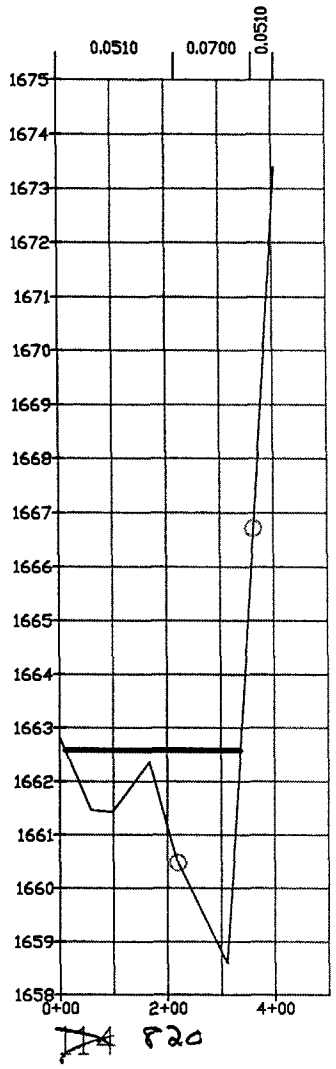
Cross-Section:	~~110~~ 815	
Elevation:	1657.09	ft MSL
Depth:	2.50	ft
Discharge:	850.00	cfs
Energy Gradient:	0.0184	ft/ft
Froude Number:	0.3903	
Flow Regime:	Subcritical	
Flow Area:	243.02	sq ft
Average Velocity:	3.50	ft/s
Maximum Velocity:	3.62	ft/s
Composite n:	0.0647	
Hydraulic Radius:	1.17	ft
Wetted Perimeter:	208.28	ft
Wetted Top Width:	208.13	ft
Critical Slope:	0.1232	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S20–~~110~~ 815

Entellus™

File: T3N-R7W-S20-New-Mapping.dwg Date: 9/19/02



Normal Depth Results

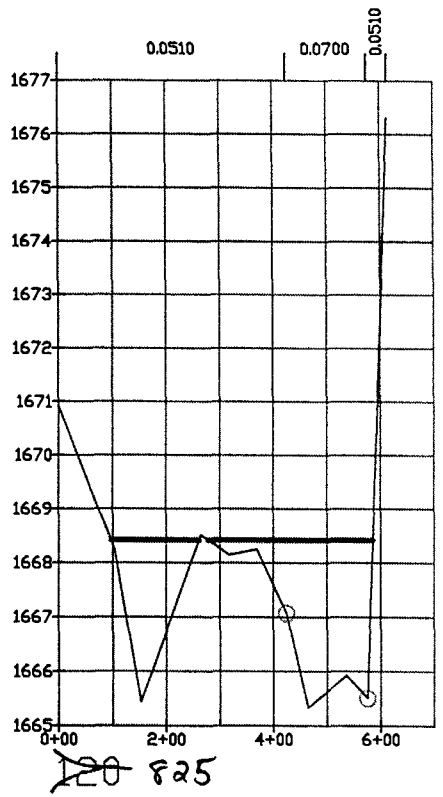
Cross-Section:	~~114~~ 820	
Elevation:	1662.58	ft MSL
Depth:	3.98	ft
Discharge:	2540.00	cfs
Energy Gradient:	0.0184	ft/ft
Froude Number:	0.4394	
Flow Regime:	Subcritical	
Flow Area:	510.61	sq ft
Average Velocity:	4.99	ft/s
Maximum Velocity:	5.75	ft/s
Composite n:	0.0581	
Hydraulic Radius:	1.56	ft
Wetted Perimeter:	326.79	ft
Wetted Top Width:	326.41	ft
Critical Slope:	0.1078	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S20–~~114~~ 820

Entellus™

File: T3N-R7W-S20-New-Mapping.dwg Date: 9/19/02



Normal Depth Results

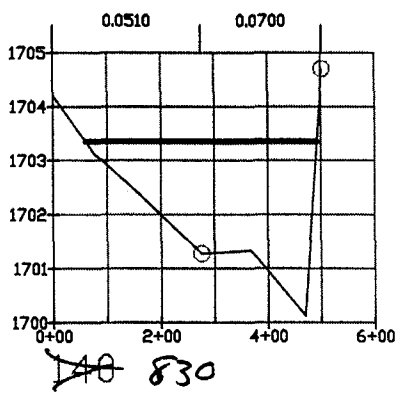
Cross-Section:	~~120~~ 825	
Elevation:	1668.43	ft MSL
Depth:	3.10	ft
Discharge:	3390.00	cfs
Energy Gradient:	0.0184	ft/ft
Froude Number:	0.4776	
Flow Regime:	Subcritical	
Flow Area:	711.16	sq ft
Average Velocity:	4.79	ft/s
Maximum Velocity:	5.49	ft/s
Composite n:	0.0574	
Hydraulic Radius:	1.5	ft
Wetted Perimeter:	472.86	ft
Wetted Top Width:	472.28	ft
Critical Slope:	0.0858	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S20–~~120~~ 825

Entellus™

File: T3N-R7W-S20-New-Mapping.dwg; Date: 9/19/02



Normal Depth Results

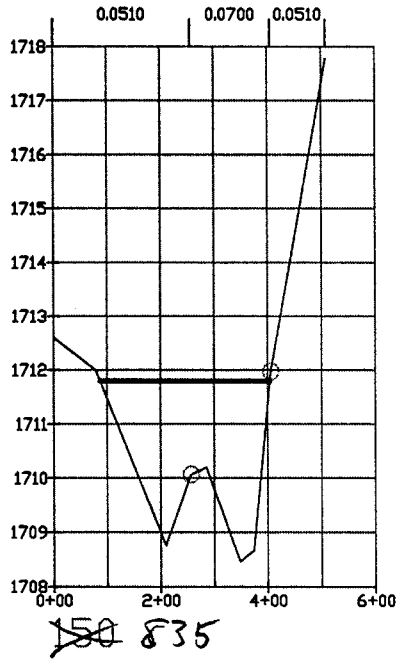
Cross-Section:	~~140~~ 830	
Elevation:	1703.35	ft MSL
Depth:	3.22	ft
Discharge:	3390.00	cfs
Energy Gradient:	0.0184	ft/ft
Froude Number:	0.4617	
Flow Regime:	Subcritical	
Flow Area:	720.88	sq ft
Average Velocity:	4.71	ft/s
Maximum Velocity:	4.98	ft/s
Composite n:	0.0609	
Hydraulic Radius:	1.67	ft
Wetted Perimeter:	432.24	ft
Wetted Top Width:	432.00	ft
Critical Slope:	0.0876	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S20–~~140~~ 830

Entellus™

File: T3N-R7W-S20-New-Mapping.dwg Date: 9/19/02



Normal Depth Results

Cross-Section:	~~150~~ 835	
Elevation:	1711.80	ft MSL
Depth:	3.34	ft
Discharge:	3390.00	cfs
Energy Gradient:	0.0184	ft/ft
Froude Number:	0.5174	
Flow Regime:	Subcritical	
Flow Area:	632.05	sq ft
Average Velocity:	5.35	ft/s
Maximum Velocity:	5.78	ft/s
Composite n:	0.0602	
Hydraulic Radius:	1.99	ft
Wetted Perimeter:	317.37	ft
Wetted Top Width:	317.13	ft
Critical Slope:	0.07	ft/ft

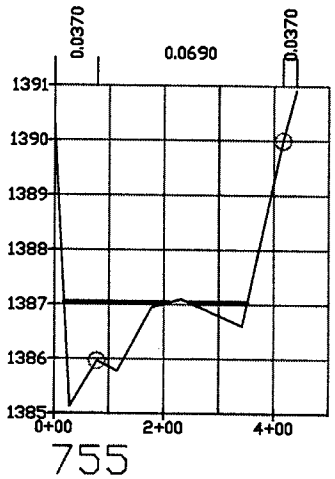
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S20–~~150~~ 835

Entellus™

File: T3N-R7W-S20-New-Mapping.dwg Date: 9/19/02

T3N-R7W-S24



Normal Depth Results

Cross-Section:	755	
Elevation:	1387.04	ft MSL
Depth:	1.91	ft
Discharge:	780.00	cfs
Energy Gradient:	0.0197	ft/ft
Froude Number:	0.5169	
Flow Regime:	Subcritical	
Flow Area:	192.63	sq ft
Average Velocity:	4.08	ft/s
Maximum Velocity:	7.03	ft/s
Composite n:	0.0632	
Hydraulic Radius:	0.65	ft
Wetted Perimeter:	296.59	ft
Wetted Top Width:	296.39	ft
Critical Slope:	0.1962	ft/ft

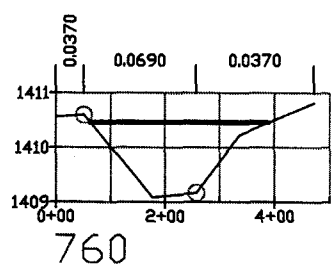
NOT USED IN DELINEATION

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S24–755

Entellus™

File: T3N-R7W-S24-New-Mapping.dwg Date: 9/17/02



Normal Depth Results

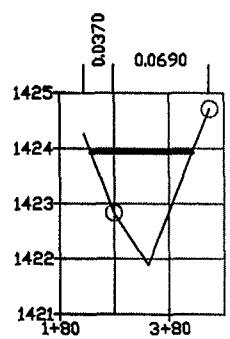
Cross-Section:	760	
Elevation:	1410.46	ft MSL
Depth:	1.37	ft
Discharge:	780.00	cfs
Energy Gradient:	0.0197	ft/ft
Froude Number:	0.466	
Flow Regime:	Subcritical	
Flow Area:	251.86	sq ft
Average Velocity:	3.10	ft/s
Maximum Velocity:	3.57	ft/s
Composite n:	0.0571	
Hydraulic Radius:	0.77	ft
Wetted Perimeter:	326.86	ft
Wetted Top Width:	326.84	ft
Critical Slope:	0.092	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S24–760

Entellus™

File: T3N-R7W-S24-Nwc-Mapping.dwg Date: 9/17/02



~~25~~ 765

Normal Depth Results

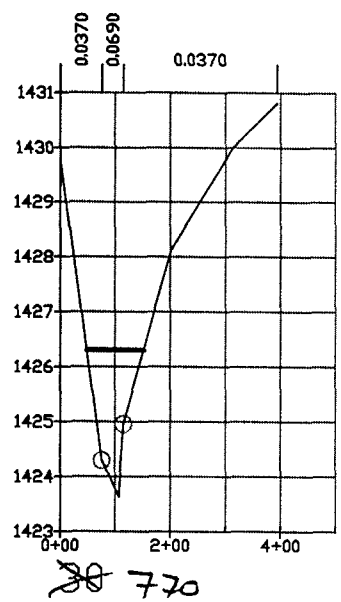
Cross-Section:	~~25~~ 765	
Elevation:	1423.93	ft MSL
Depth:	2.04	ft
Discharge:	730.00	cfs
Energy Gradient:	0.0197	ft/ft
Froude Number:	0.4427	
Flow Regime:	Subcritical	
Flow Area:	203.34	sq ft
Average Velocity:	3.56	ft/s
Maximum Velocity:	3.78	ft/s
Composite n:	0.0625	
Hydraulic Radius:	1.1	ft
Wetted Perimeter:	185.08	ft
Wetted Top Width:	185.03	ft
Critical Slope:	0.1021	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S24–~~25~~ 765

Entellus™

File: T3N-R7W-S24-Nwy-Mapping.dwg Date: 9/17/02



Normal Depth Results

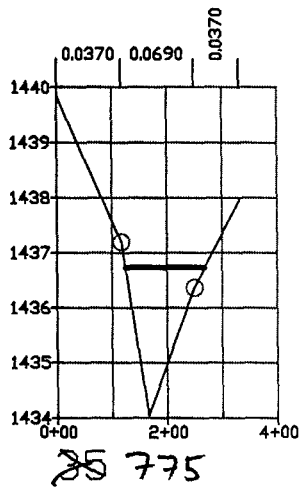
Cross-Section:	~~90~~ 770	
Elevation:	1426.31	ft MSL
Depth:	2.67	ft
Discharge:	730.00	cfs
Energy Gradient:	0.0197	ft/ft
Froude Number:	0.5546	
Flow Regime:	Subcritical	
Flow Area:	142.00	sq ft
Average Velocity:	5.16	ft/s
Maximum Velocity:	5.66	ft/s
Composite n:	0.0502	
Hydraulic Radius:	1.36	ft
Wetted Perimeter:	104.34	ft
Wetted Top Width:	104.14	ft
Critical Slope:	0.0647	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S24–~~30~~ ~~770~~

Entellus™

File: T3N-R7W-S24-Nws-Mapping.dwg Date: 9/17/02



Normal Depth Results

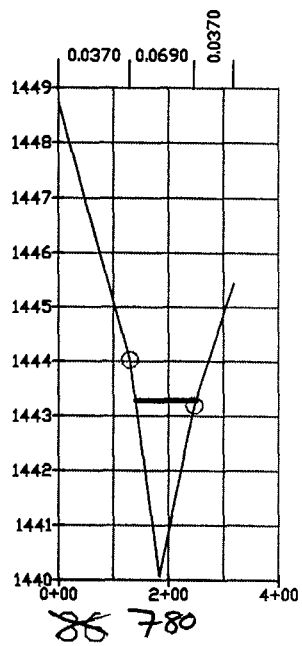
Cross-Section:	~~35~~ 775	
Elevation:	1436.74	ft MSL
Depth:	2.69	ft
Discharge:	730.00	cfs
Energy Gradient:	0.0197	ft/ft
Froude Number:	0.4193	
Flow Regime:	Subcritical	
Flow Area:	187.21	sq ft
Average Velocity:	3.87	ft/s
Maximum Velocity:	3.91	ft/s
Composite n:	0.0652	
Hydraulic Radius:	1.3	ft
Wetted Perimeter:	144.34	ft
Wetted Top Width:	144.22	ft
Critical Slope:	0.1174	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S24–~~35~~ 775

Entellus™

File: T3N-R7W-S24-Nws-Mapping.dwg, Date: 9/17/02



Normal Depth Results

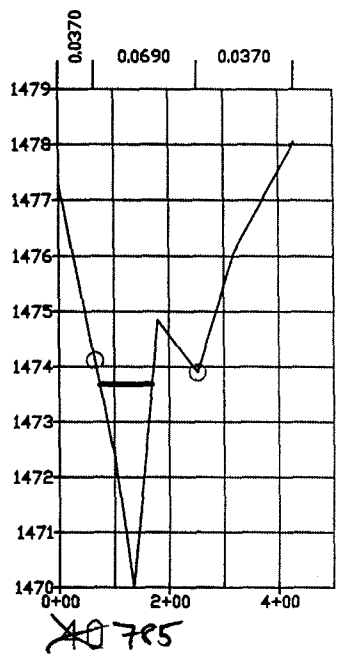
Cross-Section:	~~86~~ 780	
Elevation:	1443.29	ft MSL
Depth:	3.21	ft
Discharge:	730.00	cfs
Energy Gradient:	0.0197	ft/ft
Froude Number:	0.4125	
Flow Regime:	Subcritical	
Flow Area:	174.20	sq ft
Average Velocity:	4.19	ft/s
Maximum Velocity:	4.19	ft/s
Composite n:	0.0682	
Hydraulic Radius:	1.59	ft
Wetted Perimeter:	109.81	ft
Wetted Top Width:	109.61	ft
Critical Slope:	0.1171	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S24–~~86~~ 780

Entellus™

File: T3N-R7W-S24-Nwc-Mapping.dwg Date: 9/17/02



Normal Depth Results

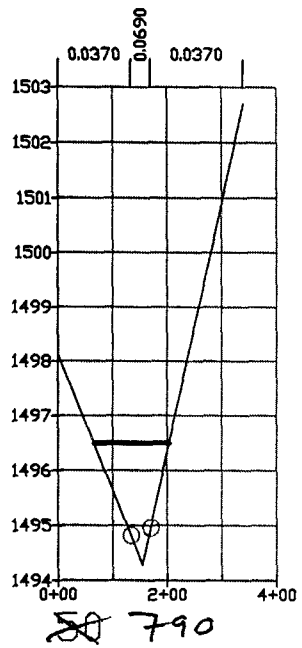
Cross-Section:	~~40~~ 785	
Elevation:	1473.69	ft MSL
Depth:	3.69	ft
Discharge:	730.00	cfs
Energy Gradient:	0.0197	ft/ft
Froude Number:	0.4024	
Flow Regime:	Subcritical	
Flow Area:	166.61	sq ft
Average Velocity:	4.38	ft/s
Maximum Velocity:	4.38	ft/s
Composite n:	0.069	
Hydraulic Radius:	1.74	ft
Wetted Perimeter:	95.78	ft
Wetted Top Width:	95.46	ft
Critical Slope:	0.1215	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S24–~~40~~ 785

Entellus™

File: T3N-R7W-S24-Nwc-Mapping.dwg, Date: 9/17/02



Normal Depth Results

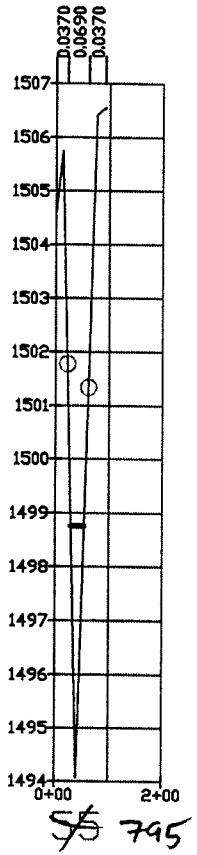
Cross-Section:	~~50~~ 790	
Elevation:	1496.49	ft MSL
Depth:	2.20	ft
Discharge:	730.00	cfs
Energy Gradient:	0.0197	ft/ft
Froude Number:	0.5707	
Flow Regime:	Subcritical	
Flow Area:	151.91	sq ft
Average Velocity:	4.81	ft/s
Maximum Velocity:	5.02	ft/s
Composite n:	0.0464	
Hydraulic Radius:	1.1	ft
Wetted Perimeter:	137.88	ft
Wetted Top Width:	137.81	ft
Critical Slope:	0.0605	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S24–~~50~~ 790

Entellus™

File: T3N-R7W-S24-Nwc-Mapping.dwg, Date: 9/17/02



Normal Depth Results

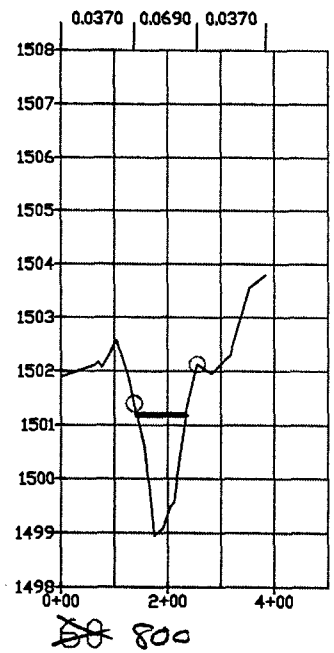
Cross-Section:	~~55~~ 795	
Elevation:	1498.76	ft MSL
Depth:	4.69	ft
Discharge:	290.00	cfs
Energy Gradient:	0.0197	ft/ft
Froude Number:	0.4135	
Flow Regime:	Subcritical	
Flow Area:	57.09	sq ft
Average Velocity:	5.08	ft/s
Maximum Velocity:	5.08	ft/s
Composite n:	0.069	
Hydraulic Radius:	2.17	ft
Wetted Perimeter:	26.34	ft
Wetted Top Width:	24.60	ft
Critical Slope:	0.1153	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S24–~~55~~ 795

Entellus™

File: T3N-R7W-S24W.dwg, Date: 9/25/02



Normal Depth Results

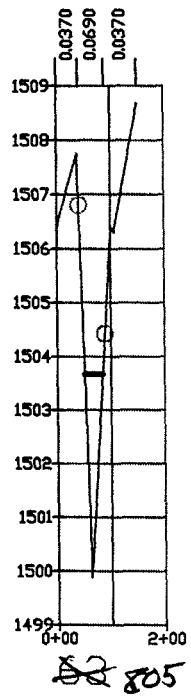
Cross-Section:	~~50~~ 800	
Elevation:	1501.19	ft MSL
Depth:	2.24	ft
Discharge:	440.00	cfs
Energy Gradient:	0.0197	ft/ft
Froude Number:	0.429	
Flow Regime:	Subcritical	
Flow Area:	120.86	sq ft
Average Velocity:	3.64	ft/s
Maximum Velocity:	3.64	ft/s
Composite n:	0.069	
Hydraulic Radius:	1.32	ft
Wetted Perimeter:	91.76	ft
Wetted Top Width:	91.61	ft
Critical Slope:	0.1069	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S24–~~80~~ 800

Entellus™

File: T3N-R7W-S24.dwg; Date: 9/17/02



Normal Depth Results

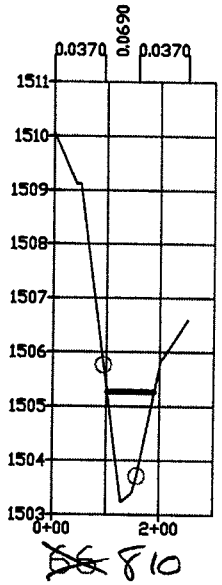
Cross-Section:	~~67~~ 805	
Elevation:	1503.68	ft MSL
Depth:	3.79	ft
Discharge:	290.00	cfs
Energy Gradient:	0.0197	ft/ft
Froude Number:	0.4124	
Flow Regime:	Subcritical	
Flow Area:	63.69	sq ft
Average Velocity:	4.57	ft/s
Maximum Velocity:	4.57	ft/s
Composite n:	0.069	
Hydraulic Radius:	1.85	ft
Wetted Perimeter:	34.44	ft
Wetted Top Width:	33.50	ft
Critical Slope:	0.1151	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S24–~~83~~ 805

Entellus™

File: T3N-R7W-S24.dwg; Date: 9/17/02



Normal Depth Results

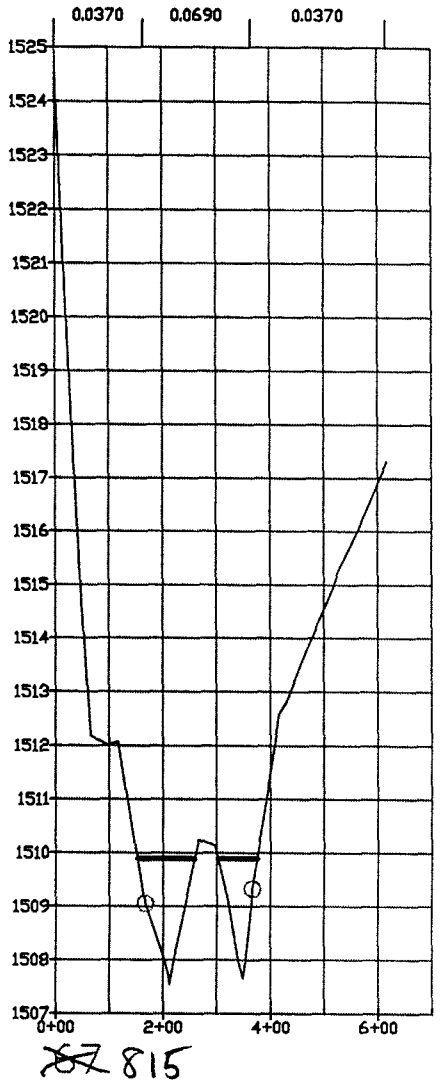
Cross-Section:	~~86~~ 810	
Elevation:	1505.27	ft MSL
Depth:	2.03	ft
Discharge:	440.00	cfs
Energy Gradient:	0.0197	ft/ft
Froude Number:	0.5066	
Flow Regime:	Subcritical	
Flow Area:	107.50	sq ft
Average Velocity:	4.10	ft/s
Maximum Velocity:	4.76	ft/s
Composite n:	0.0585	
Hydraulic Radius:	1.21	ft
Wetted Perimeter:	88.54	ft
Wetted Top Width:	88.42	ft
Critical Slope:	0.0776	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S24–~~86~~810

Entellus™

File: T3N-R7W-S24.dwg Date: 9/17/02



Normal Depth Results

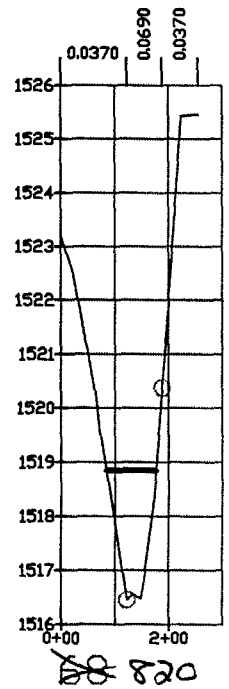
Cross-Section:	~~87~~ 815	
Elevation:	1509.89	ft MSL
Depth:	2.35	ft
Discharge:	730.00	cfs
Energy Gradient:	0.0197	ft/ft
Froude Number:	0.4032	
Flow Regime:	Subcritical	
Flow Area:	208.02	sq ft
Average Velocity:	3.53	ft/s
Maximum Velocity:	3.56	ft/s
Composite n:	0.0654	
Hydraulic Radius:	1.16	ft
Wetted Perimeter:	179.74	ft
Wetted Top Width:	179.47	ft
Critical Slope:	0.1201	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S24–~~87~~ 815

Entellus™

File: T3N-K7W-S24.dwg; Date: 9/17/02



Normal Depth Results

Cross-Section:	~~58~~ 820	
Elevation:	1518.85	ft MSL
Depth:	2.39	ft
Discharge:	730.00	cfs
Energy Gradient:	0.0197	ft/ft
Froude Number:	0.5814	
Flow Regime:	Subcritical	
Flow Area:	143.25	sq ft
Average Velocity:	5.08	ft/s
Maximum Velocity:	6.35	ft/s
Composite n:	0.0568	
Hydraulic Radius:	1.55	ft
Wetted Perimeter:	92.63	ft
Wetted Top Width:	92.45	ft
Critical Slope:	0.0624	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S24–~~88~~ 820

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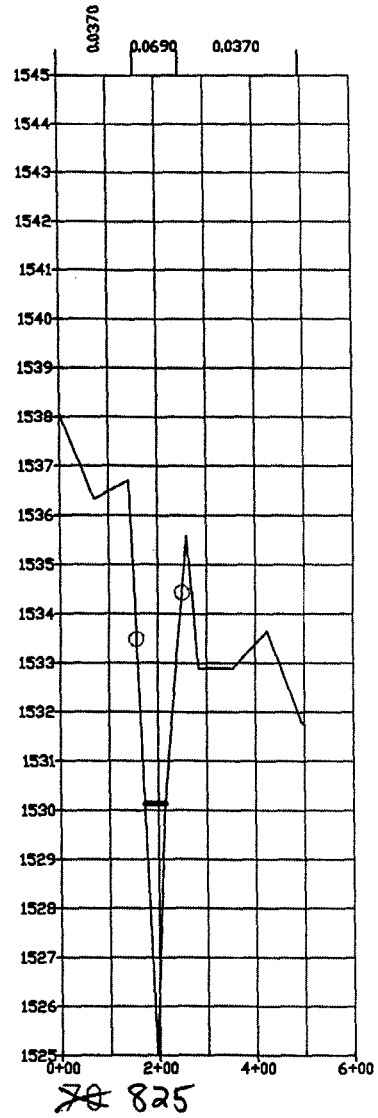
File: T3N-R7W-S24.dwg Date: 9/17/02



Normal Depth Results

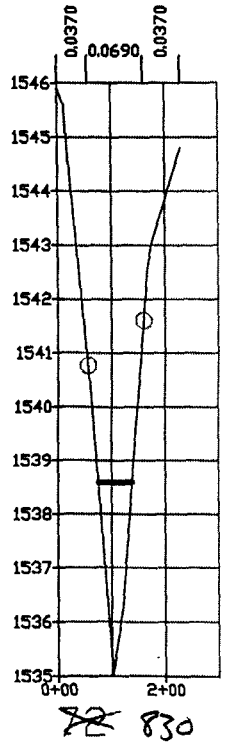
Cross-Section:	~~70~~ 825	
Elevation:	1530.13	ft MSL
Depth:	5.08	ft
Discharge:	570.00	cfs
Energy Gradient:	0.0197	ft/ft
Froude Number:	0.4263	
Flow Regime:	Subcritical	
Flow Area:	104.54	sq ft
Average Velocity:	5.44	ft/s
Maximum Velocity:	5.44	ft/s
Composite n:	0.069	
Hydraulic Radius:	2.41	ft
Wetted Perimeter:	43.46	ft
Wetted Top Width:	42.22	ft
Critical Slope:	0.1088	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S24–~~70~~ 825

Entellus™

File: T3N-R7W-S24.dwg Date: 9/17/02



Normal Depth Results

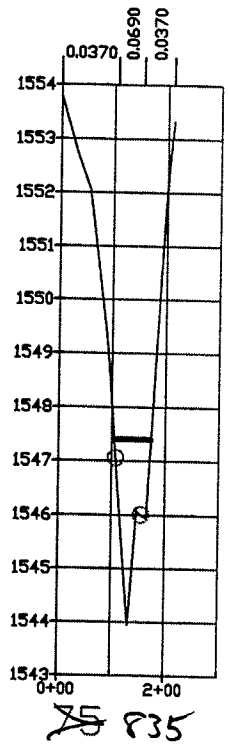
Cross-Section:	~~72~~ 830	
Elevation:	1538.60	ft MSL
Depth:	3.55	ft
Discharge:	570.00	cfs
Energy Gradient:	0.0197	ft/ft
Froude Number:	0.437	
Flow Regime:	Subcritical	
Flow Area:	122.06	sq ft
Average Velocity:	4.69	ft/s
Maximum Velocity:	4.69	ft/s
Composite n:	0.069	
Hydraulic Radius:	1.92	ft
Wetted Perimeter:	63.49	ft
Wetted Top Width:	63.07	ft
Critical Slope:	0.1024	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S24–~~72~~ 830

Entellus™

File: T3N-R7W-S24.dwg, Date: 9/17/02



Normal Depth Results

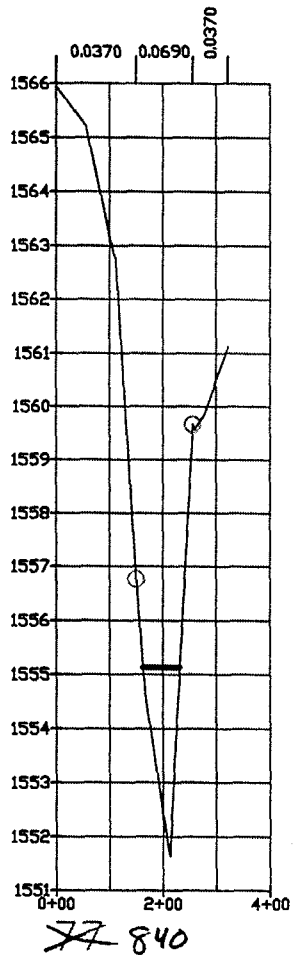
Cross-Section:	~~75~~ 835	
Elevation:	1547.40	ft MSL
Depth:	3.45	ft
Discharge:	570.00	cfs
Energy Gradient:	0.0197	ft/ft
Froude Number:	0.4684	
Flow Regime:	Subcritical	
Flow Area:	115.44	sq ft
Average Velocity:	4.95	ft/s
Maximum Velocity:	6.05	ft/s
Composite n:	0.0603	
Hydraulic Radius:	1.66	ft
Wetted Perimeter:	69.41	ft
Wetted Top Width:	68.92	ft
Critical Slope:	0.0926	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S24–~~75~~ 835

Entellus™

File: T3N-k7W-S24.dwg Date: 9/17/02



Normal Depth Results

Cross-Section:	~~77~~ 840	
Elevation:	1555.13	ft MSL
Depth:	3.48	ft
Discharge:	570.00	cfs
Energy Gradient:	0.0197	ft/ft
Froude Number:	0.4257	
Flow Regime:	Subcritical	
Flow Area:	126.51	sq ft
Average Velocity:	4.52	ft/s
Maximum Velocity:	4.52	ft/s
Composite n:	0.069	
Hydraulic Radius:	1.82	ft
Wetted Perimeter:	69.53	ft
Wetted Top Width:	69.08	ft
Critical Slope:	0.1081	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S24–~~77~~ 840

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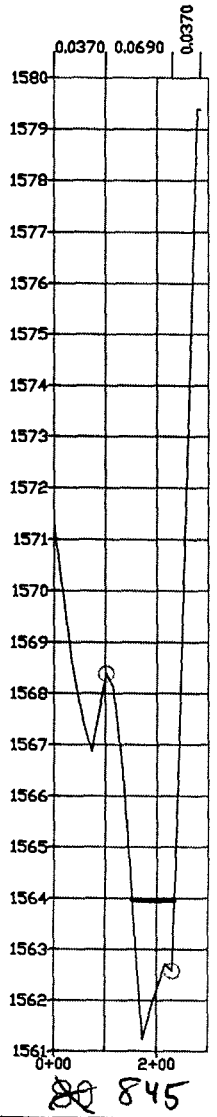
File: T3N-K7W-S24.dwg, Date: 9/25/02



Normal Depth Results

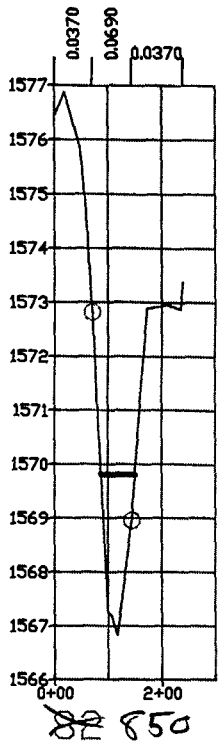
Cross-Section:	~~80~~ 845	
Elevation:	1563.97	ft MSL
Depth:	2.73	ft
Discharge:	570.00	cfs
Energy Gradient:	0.0197	ft/ft
Froude Number:	0.4549	
Flow Regime:	Subcritical	
Flow Area:	133.81	sq ft
Average Velocity:	4.29	ft/s
Maximum Velocity:	4.29	ft/s
Composite n:	0.0675	
Hydraulic Radius:	1.63	ft
Wetted Perimeter:	82.14	ft
Wetted Top Width:	81.70	ft
Critical Slope:	0.094	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S24–~~80~~ 845

Entellus™

File: T3N-R7W-S24.dwg Date: 9/17/02



Normal Depth Results

Cross-Section:	~~82~~ 850	
Elevation:	1569.81	ft MSL
Depth:	2.96	ft
Discharge:	570.00	cfs
Energy Gradient:	0.0197	ft/ft
Froude Number:	0.4912	
Flow Regime:	Subcritical	
Flow Area:	118.89	sq ft
Average Velocity:	4.78	ft/s
Maximum Velocity:	4.82	ft/s
Composite n:	0.0663	
Hydraulic Radius:	1.85	ft
Wetted Perimeter:	64.10	ft
Wetted Top Width:	63.71	ft
Critical Slope:	0.0827	ft/ft

File: T3N-R7W-S24.dwg; Date: 9/17/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S24–~~82~~850

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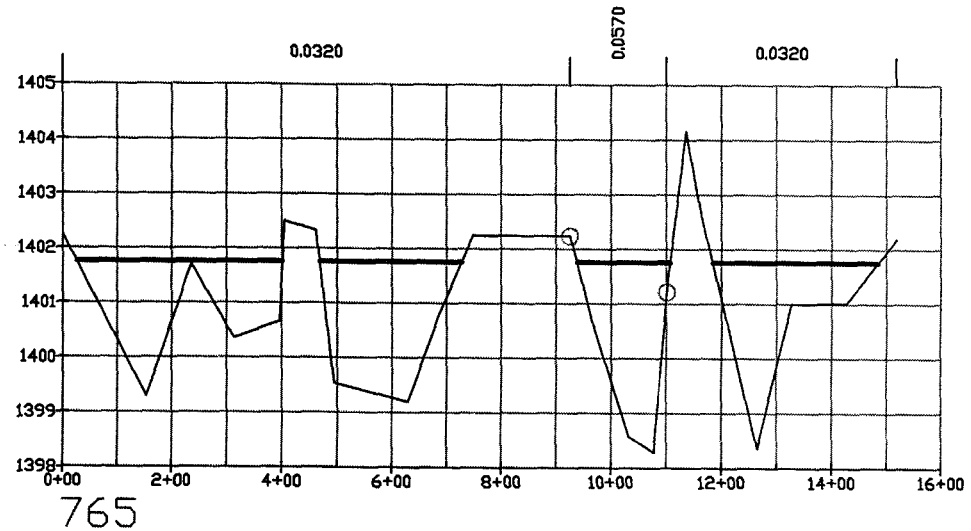
T3N-R7W-S26



Normal Depth Results

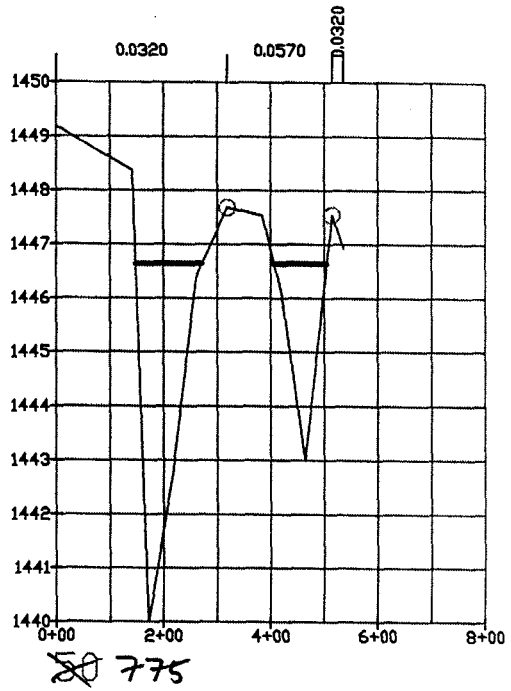
Cross-Section:	765	
Elevation:	1401.76	ft MSL
Depth:	3.47	ft
Discharge:	10060.00	cfs
Energy Gradient:	0.0133	ft/ft
Froude Number:	0.5904	
Flow Regime:	Subcritical	
Flow Area:	1613.03	sq ft
Average Velocity:	6.21	ft/s
Maximum Velocity:	6.75	ft/s
Composite n:	0.0362	
Hydraulic Radius:	1.46	ft
Wetted Perimeter:	1105.63	ft
Wetted Top Width:	1104.92	ft
Critical Slope:	0.0398	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S26–765

Entellus™

File: T3N-R7W-S26-New-Mapping.dwg Date: 9/17/02



Normal Depth Results

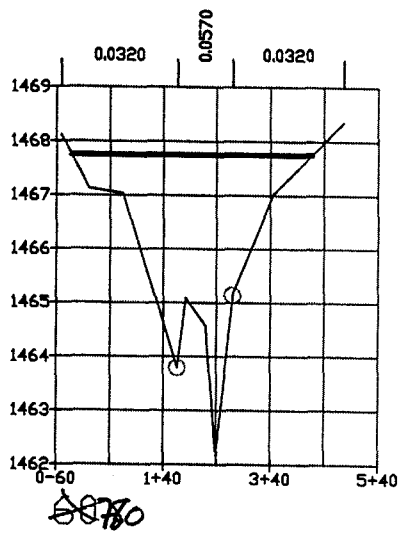
Cross-Section:	~~50~~ 775	
Elevation:	1446.64	ft MSL
Depth:	6.64	ft
Discharge:	5560.00	cfs
Energy Gradient:	0.0133	ft/ft
Froude Number:	0.657	
Flow Regime:	Subcritical	
Flow Area:	578.73	sq ft
Average Velocity:	9.62	ft/s
Maximum Velocity:	11.81	ft/s
Composite n:	0.0438	
Hydraulic Radius:	2.59	ft
Wetted Perimeter:	223.71	ft
Wetted Top Width:	222.27	ft
Critical Slope:	0.0522	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S26–~~50~~ 775

Entellus™

File: T3N-R7W-S26-New-Mapping.dwg Date: 9/17/02



Normal Depth Results

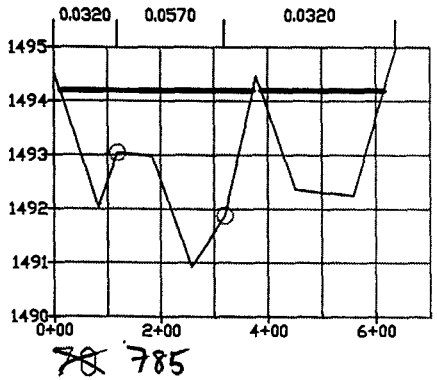
Cross-Section:	~~60~~ 780	
Elevation:	1467.76	ft MSL
Depth:	5.59	ft
Discharge:	5560.00	cfs
Energy Gradient:	0.0133	ft/ft
Froude Number:	0.5058	
Flow Regime:	Subcritical	
Flow Area:	819.87	sq ft
Average Velocity:	6.75	ft/s
Maximum Velocity:	7.08	ft/s
Composite n:	0.0384	
Hydraulic Radius:	1.82	ft
Wetted Perimeter:	450.31	ft
Wetted Top Width:	449.88	ft
Critical Slope:	0.0538	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S26–~~80~~ 780

Entellus™

File: T3N-R7W-S26-New-Mapping.dwg; Date: 9/17/02



Normal Depth Results

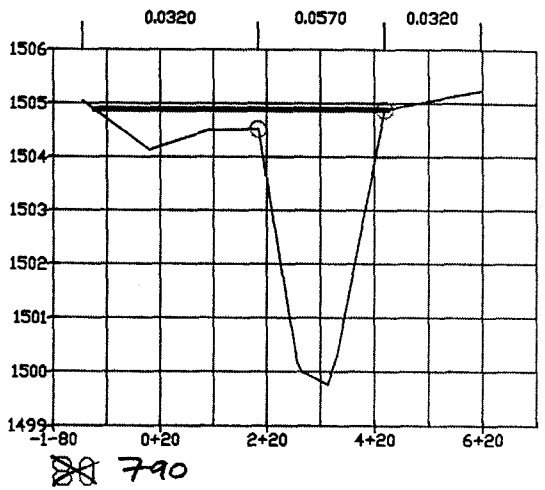
Cross-Section:	~~76~~ 785	
Elevation:	1494.20	ft MSL
Depth:	3.28	ft
Discharge:	5380.00	cfs
Energy Gradient:	0.0133	ft/ft
Froude Number:	0.5613	
Flow Regime:	Subcritical	
Flow Area:	933.01	sq ft
Average Velocity:	5.78	ft/s
Maximum Velocity:	6.56	ft/s
Composite n:	0.0413	
Hydraulic Radius:	1.58	ft
Wetted Perimeter:	588.87	ft
Wetted Top Width:	588.67	ft
Critical Slope:	0.044	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S26–~~78~~ 785

Entellus™

File: T3N-R7W-S26-New-Mapping.dwg Date: 9/17/02



Normal Depth Results

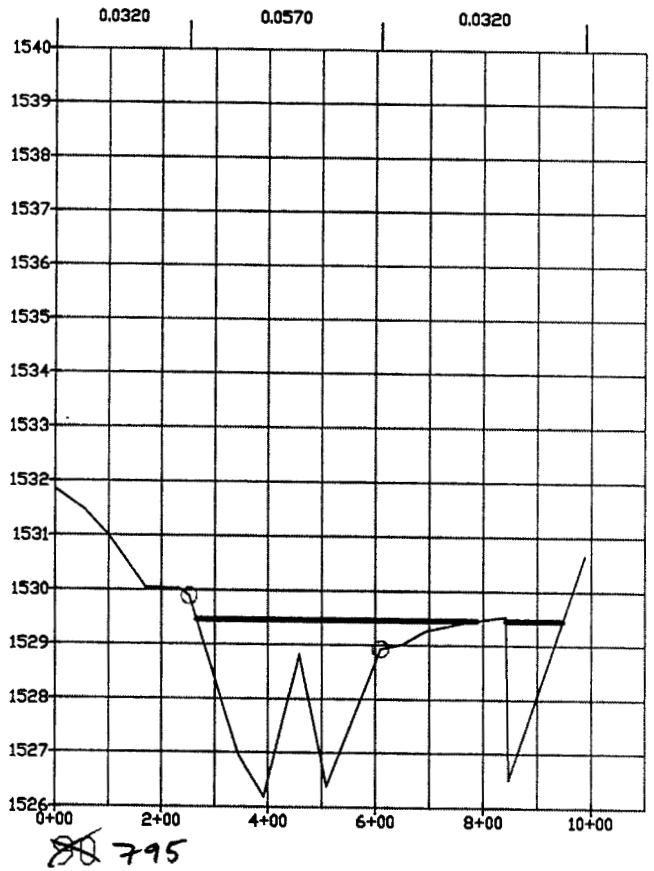
Cross-Section:	~~80~~ 790	
Elevation:	1504.89	ft MSL
Depth:	5.13	ft
Discharge:	5380.00	cfs
Energy Gradient:	0.0133	ft/ft
Froude Number:	0.4689	
Flow Regime:	Subcritical	
Flow Area:	892.92	sq ft
Average Velocity:	6.03	ft/s
Maximum Velocity:	6.56	ft/s
Composite n:	0.0436	
Hydraulic Radius:	1.63	ft
Wetted Perimeter:	548.08	ft
Wetted Top Width:	547.81	ft
Critical Slope:	0.0737	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S26–~~80~~ 790

Entellus™

File: T3N-R7W-S26-New-Mapping.dwg, Date: 9/17/02



Normal Depth Results

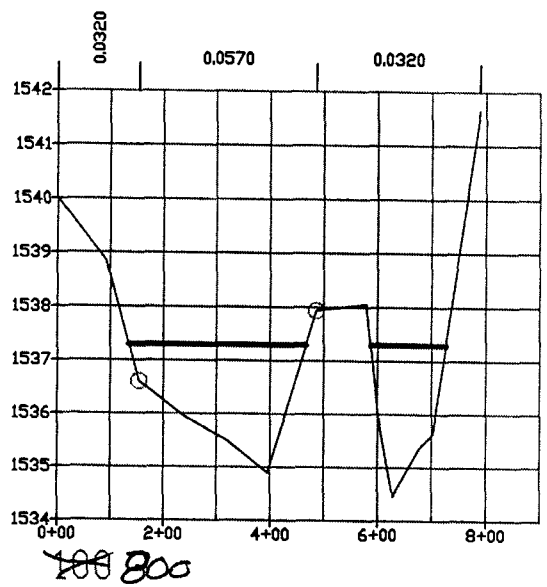
Cross-Section:	~~80~~ 795	
Elevation:	1529.46	ft MSL
Depth:	3.27	ft
Discharge:	3740.00	cfs
Energy Gradient:	0.0133	ft/ft
Froude Number:	0.4361	
Flow Regime:	Subcritical	
Flow Area:	836.26	sq ft
Average Velocity:	4.48	ft/s
Maximum Velocity:	4.56	ft/s
Composite n:	0.0465	
Hydraulic Radius:	1.33	ft
Wetted Perimeter:	627.84	ft
Wetted Top Width:	626.72	ft
Critical Slope:	0.07	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S26–~~80~~ 795

Entellus™

File: T3N-R7W-S26-New-Mapping.dwg; Date: 9/17/02



Normal Depth Results

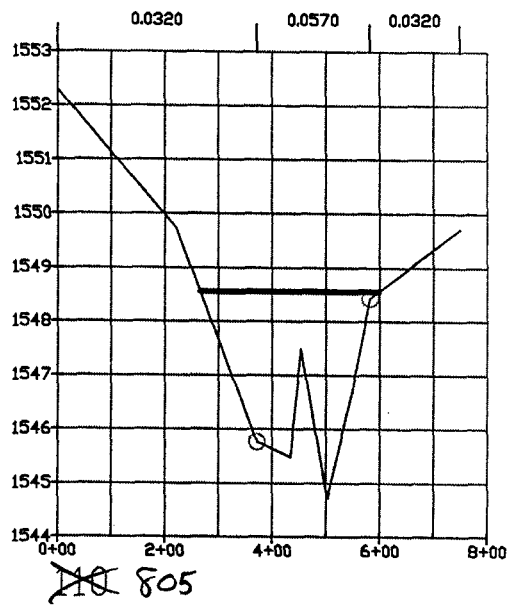
Cross-Section:	~~100~~ 800	
Elevation:	1537.30	ft MSL
Depth:	2.84	ft
Discharge:	3740.00	cfs
Energy Gradient:	0.0133	ft/ft
Froude Number:	0.5499	
Flow Regime:	Subcritical	
Flow Area:	711.72	sq ft
Average Velocity:	5.27	ft/s
Maximum Velocity:	7.89	ft/s
Composite n:	0.0493	
Hydraulic Radius:	1.51	ft
Wetted Perimeter:	470.87	ft
Wetted Top Width:	470.64	ft
Critical Slope:	0.0577	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S26–~~100~~ 800

Entellus™

File: T3N-R7W-S26-New-Mapping.dwg Date: 9/17/02



Normal Depth Results

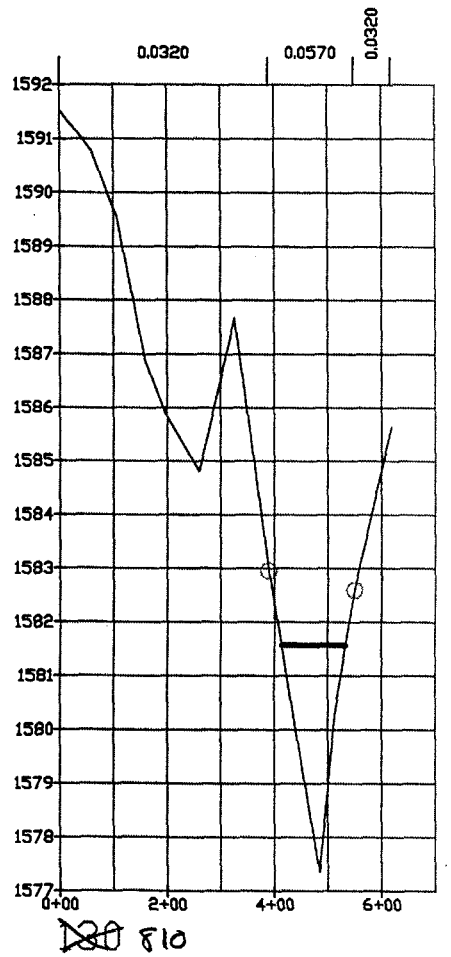
Cross-Section:	~~110~~ 805	
Elevation:	1548.56	ft MSL
Depth:	3.84	ft
Discharge:	3740.00	cfs
Energy Gradient:	0.0133	ft/ft
Froude Number:	0.5129	
Flow Regime:	Subcritical	
Flow Area:	656.30	sq ft
Average Velocity:	5.69	ft/s
Maximum Velocity:	6.70	ft/s
Composite n:	0.0486	
Hydraulic Radius:	1.97	ft
Wetted Perimeter:	333.39	ft
Wetted Top Width:	333.08	ft
Critical Slope:	0.0532	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S26–~~110~~ 805

Entellus™

File: T3N-R7W-S26-New-Mapping.dwg Date: 9/17/02



Normal Depth Results

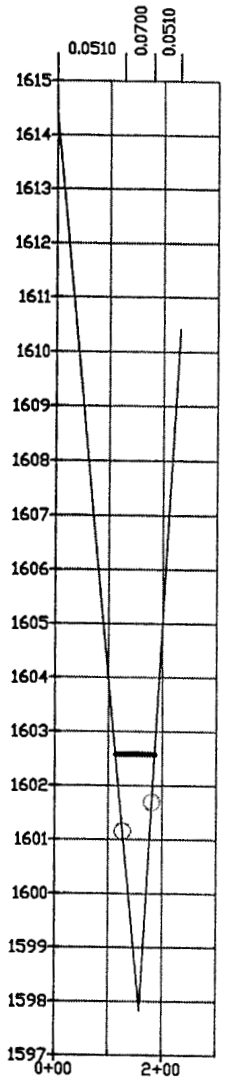
Cross-Section:	~~130~~ 810	
Elevation:	1581.58	ft MSL
Depth:	4.22	ft
Discharge:	1150.00	cfs
Energy Gradient:	0.0133	ft/ft
Froude Number:	0.4105	
Flow Regime:	Subcritical	
Flow Area:	240.46	sq ft
Average Velocity:	4.79	ft/s
Maximum Velocity:	4.79	ft/s
Composite n:	0.057	
Hydraulic Radius:	2	ft
Wetted Perimeter:	120.17	ft
Wetted Top Width:	119.86	ft
Critical Slope:	0.0787	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S26–~~130~~ 810

Entellus™

File: T3N-R7W-S26-New-Mapping.dwg Date: 9/17/02



~~140~~ 815

Normal Depth Results

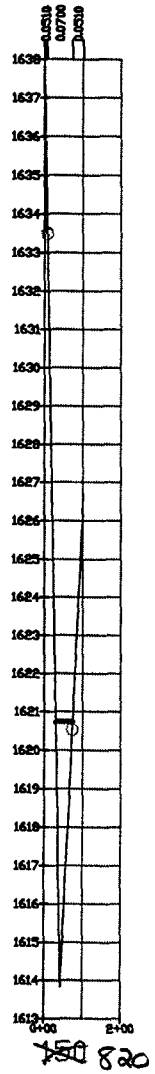
Cross-Section:	~~140~~ 815	
Elevation:	1602.58	ft MSL
Depth:	4.75	ft
Discharge:	840.00	cfs
Energy Gradient:	0.0133	ft/ft
Froude Number:	0.393	
Flow Regime:	Subcritical	
Flow Area:	172.86	sq ft
Average Velocity:	4.87	ft/s
Maximum Velocity:	5.05	ft/s
Composite n:	0.0654	
Hydraulic Radius:	2.35	ft
Wetted Perimeter:	73.43	ft
Wetted Top Width:	72.77	ft
Critical Slope:	0.094	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S26–~~140~~ 815

Entellus™

File: T3N-R7W-S26-New-Mapping.dwg Date: 9/17/02



Normal Depth Results

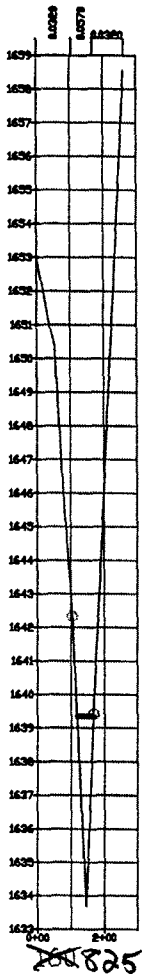
Cross-Section:	~~150~~ 820	
Elevation:	1620.75	ft MSL
Depth:	6.91	ft
Discharge:	840.00	cfs
Energy Gradient:	0.0133	ft/ft
Froude Number:	0.3672	
Flow Regime:	Subcritical	
Flow Area:	153.41	sq ft
Average Velocity:	5.48	ft/s
Maximum Velocity:	5.48	ft/s
Composite n:	0.0696	
Hydraulic Radius:	3.27	ft
Wetted Perimeter:	46.96	ft
Wetted Top Width:	44.41	ft
Critical Slope:	0.1001	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S26–~~150~~ 820

Entellus™

File: T3N-R7W-S26-New-Mapping.dwg, Date: 9/17/02



Normal Depth Results

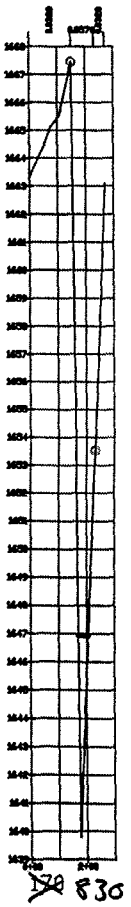
Cross-Section:	~~160~~ 825	
Elevation:	1639.34	ft MSL
Depth:	5.65	ft
Discharge:	840.00	cfs
Energy Gradient:	0.0133	ft/ft
Froude Number:	0.4432	
Flow Regime:	Subcritical	
Flow Area:	140.52	sq ft
Average Velocity:	5.99	ft/s
Maximum Velocity:	5.99	ft/s
Composite n:	0.057	
Hydraulic Radius:	2.8	ft
Wetted Perimeter:	50.17	ft
Wetted Top Width:	48.86	ft
Critical Slope:	0.0674	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S26–~~160~~ 825

Entellus™

File: T3N-R7W-S26.dwg; Date: 9/17/02



Normal Depth Results

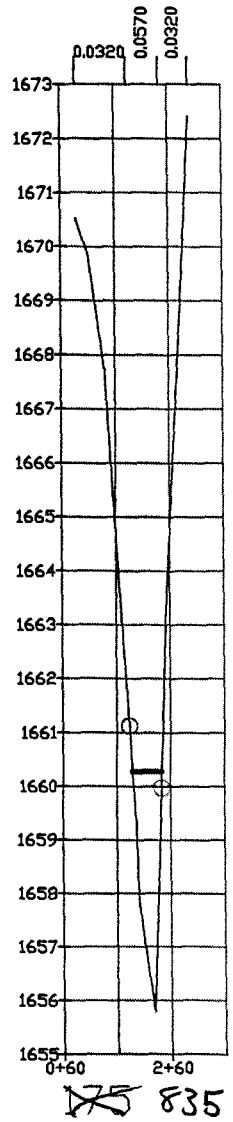
Cross-Section:	~~170~~ 830	
Elevation:	1646.94	ft MSL
Depth:	7.16	ft
Discharge:	840.00	cfs
Energy Gradient:	0.0133	ft/ft
Froude Number:	0.4335	
Flow Regime:	Subcritical	
Flow Area:	127.62	sq ft
Average Velocity:	6.59	ft/s
Maximum Velocity:	6.59	ft/s
Composite n:	0.057	
Hydraulic Radius:	3.23	ft
Wetted Perimeter:	39.46	ft
Wetted Top Width:	35.60	ft
Critical Slope:	0.0705	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S26–~~170~~ 830

Entellus™

File: T3N-R7W-S26.dwg; Date: 9/17/02



Normal Depth Results

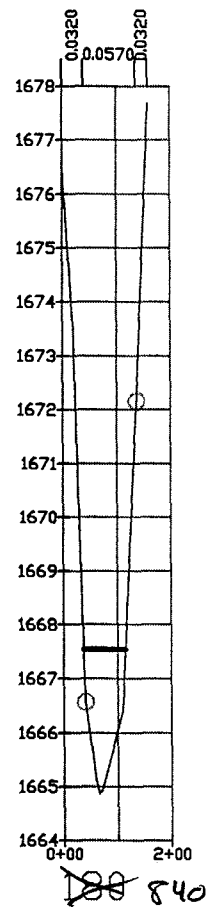
Cross-Section:	~~175~~ 835	
Elevation:	1660.28	ft MSL
Depth:	4.49	ft
Discharge:	840.00	cfs
Energy Gradient:	0.0133	ft/ft
Froude Number:	0.48	
Flow Regime:	Subcritical	
Flow Area:	145.57	sq ft
Average Velocity:	5.75	ft/s
Maximum Velocity:	5.76	ft/s
Composite n:	0.0567	
Hydraulic Radius:	2.6	ft
Wetted Perimeter:	55.92	ft
Wetted Top Width:	54.89	ft
Critical Slope:	0.0584	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S26–~~175~~ 835

Entellus™

File: T3N-R7W-S26.dwg; Date: 9/17/02



Normal Depth Results

Cross-Section:	~~180~~ 840	
Elevation:	1667.54	ft MSL
Depth:	2.67	ft
Discharge:	840.00	cfs
Energy Gradient:	0.024	ft/ft
Froude Number:	0.653	
Flow Regime:	Subcritical	
Flow Area:	138.68	sq ft
Average Velocity:	6.04	ft/s
Maximum Velocity:	6.06	ft/s
Composite n:	0.0561	
Hydraulic Radius:	1.78	ft
Wetted Perimeter:	78.03	ft
Wetted Top Width:	77.67	ft
Critical Slope:	0.0567	ft/ft

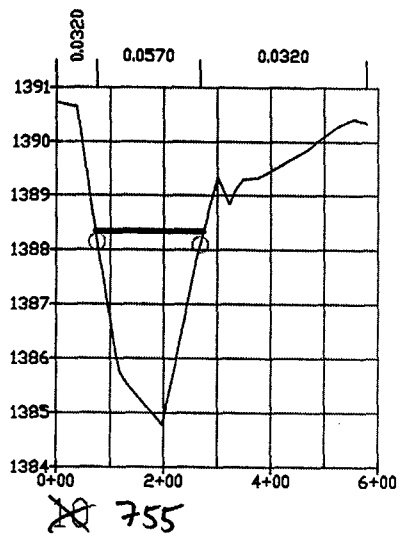
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S26–~~180~~ 840

Entellus™

File: T3N-R7W-S26.dwg Date: 9/17/02

T3N-R7W-S28E



Normal Depth Results

Cross-Section:	~~10~~ 755	
Elevation:	1388.34	ft MSL
Depth:	3.55	ft
Discharge:	2290.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.4843	
Flow Regime:	Subcritical	
Flow Area:	442.08	sq ft
Average Velocity:	5.18	ft/s
Maximum Velocity:	5.19	ft/s
Composite n:	0.056	
Hydraulic Radius:	2.19	ft
Wetted Perimeter:	202.04	ft
Wetted Top Width:	201.88	ft
Critical Slope:	0.0568	ft/ft

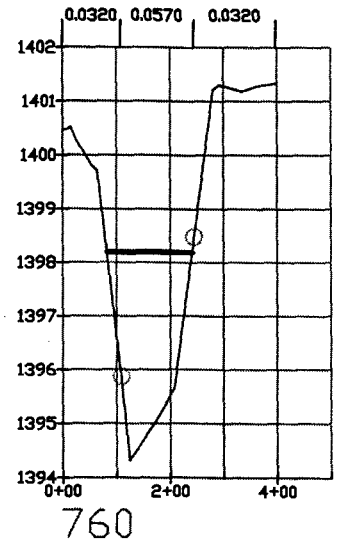
NOT USED FOR DELINEATION.

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28E–~~10~~ 755

Entellus™

File: T3N-R7W-S28E.dwg; Date: 9/03/02



Normal Depth Results

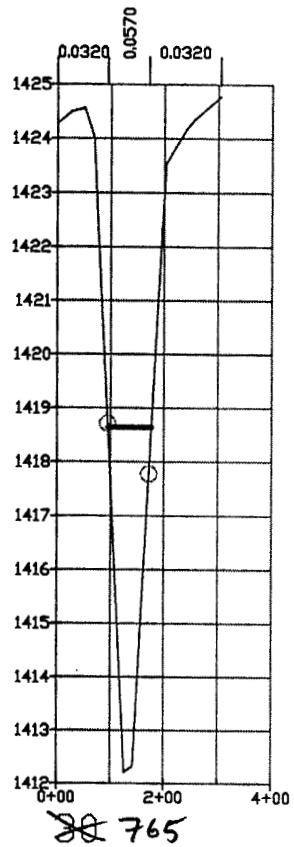
Cross-Section:	760	
Elevation:	1398.20	ft MSL
Depth:	3.88	ft
Discharge:	2290.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.5229	
Flow Regime:	Subcritical	
Flow Area:	392.02	sq ft
Average Velocity:	5.83	ft/s
Maximum Velocity:	5.87	ft/s
Composite n:	0.0532	
Hydraulic Radius:	2.46	ft
Wetted Perimeter:	159.54	ft
Wetted Top Width:	159.26	ft
Critical Slope:	0.048	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28E–760

Entellus™

File: T3N-R7W-S28E.dwg Date: 9/03/02



Normal Depth Results

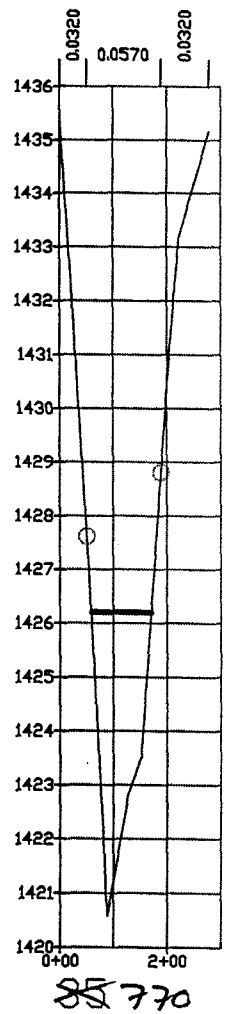
Cross-Section:	~~58~~ 765	
Elevation:	1418.65	ft MSL
Depth:	6.43	ft
Discharge:	2290.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.5168	
Flow Regime:	Subcritical	
Flow Area:	308.10	sq ft
Average Velocity:	7.43	ft/s
Maximum Velocity:	7.46	ft/s
Composite n:	0.0557	
Hydraulic Radius:	3.73	ft
Wetted Perimeter:	82.51	ft
Wetted Top Width:	81.27	ft
Critical Slope:	0.0499	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28E–~~30~~ 765

Entellus™

File: T3N-R7W-S28E.dwg, Date: 9/03/02



Normal Depth Results

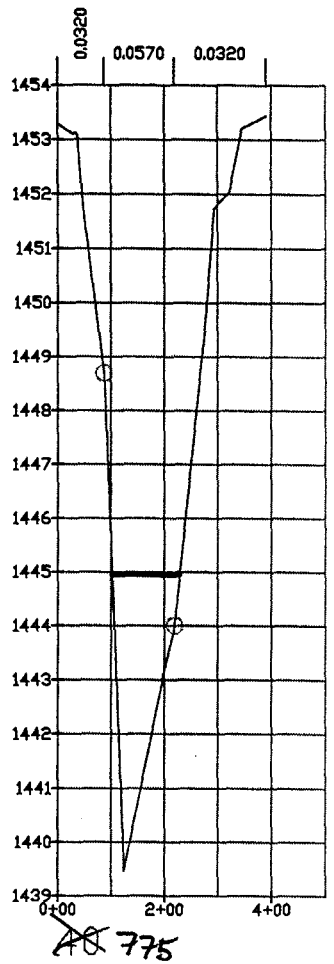
Cross-Section:	~~35~~ 770	
Elevation:	1426.20	ft MSL
Depth:	5.62	ft
Discharge:	2290.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.4777	
Flow Regime:	Subcritical	
Flow Area:	356.45	sq ft
Average Velocity:	6.45	ft/s
Maximum Velocity:	6.45	ft/s
Composite n:	0.057	
Hydraulic Radius:	3.16	ft
Wetted Perimeter:	112.72	ft
Wetted Top Width:	111.94	ft
Critical Slope:	0.057	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28E–~~35~~ 770

Entellus™

File: T3N-R7W-S28E.dwg Date: 9/03/02



Normal Depth Results

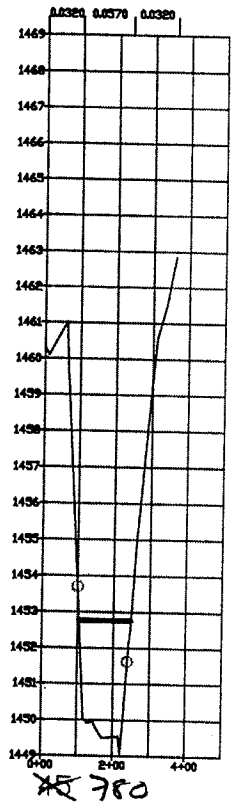
Cross-Section:	~~40~~ 775	
Elevation:	1444.96	ft MSL
Depth:	5.49	ft
Discharge:	2290.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.4717	
Flow Regime:	Subcritical	
Flow Area:	365.33	sq ft
Average Velocity:	6.27	ft/s
Maximum Velocity:	6.31	ft/s
Composite n:	0.0553	
Hydraulic Radius:	2.86	ft
Wetted Perimeter:	127.52	ft
Wetted Top Width:	126.69	ft
Critical Slope:	0.0597	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28E–~~40~~ 775

Entellus™

File: T3N-R7W-S28E.dwg, Date: 9/03/02



Normal Depth Results

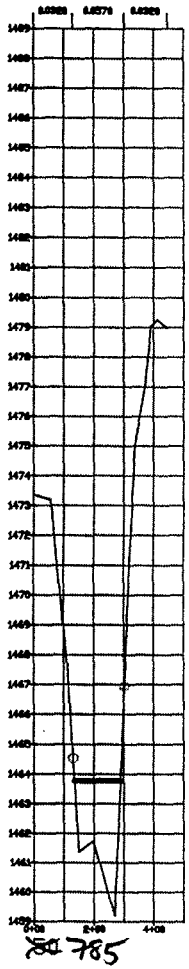
Cross-Section:	~~45~~ 780	
Elevation:	1452.76	ft MSL
Depth:	3.68	ft
Discharge:	2290.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.5446	
Flow Regime:	Subcritical	
Flow Area:	386.33	sq ft
Average Velocity:	5.94	ft/s
Maximum Velocity:	5.97	ft/s
Composite n:	0.0555	
Hydraulic Radius:	2.67	ft
Wetted Perimeter:	144.74	ft
Wetted Top Width:	144.20	ft
Critical Slope:	0.0444	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28E–~~45~~ 780

Entellus™

File: T3N-R7W-S28E.dwg Date: 9/03/02



Normal Depth Results

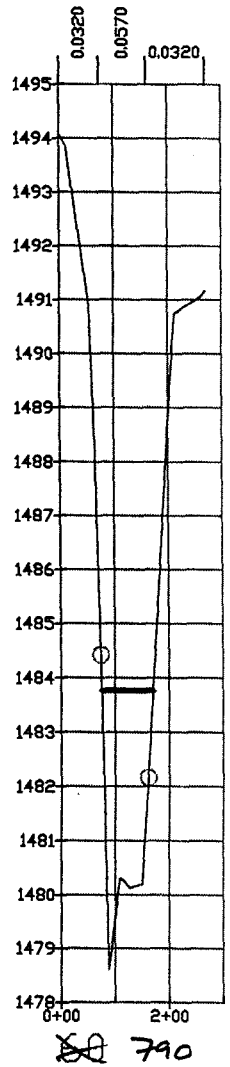
Cross-Section:	~~50~~ 785	
Elevation:	1463.78	ft MSL
Depth:	4.57	ft
Discharge:	2290.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.4697	
Flow Regime:	Subcritical	
Flow Area:	402.24	sq ft
Average Velocity:	5.68	ft/s
Maximum Velocity:	5.68	ft/s
Composite n:	0.057	
Hydraulic Radius:	2.62	ft
Wetted Perimeter:	153.59	ft
Wetted Top Width:	152.81	ft
Critical Slope:	0.0595	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28E–~~50~~ 785

Entellus™

File: T3N-R7W-S28E.dwg; Date: 9/03/02



Normal Depth Results

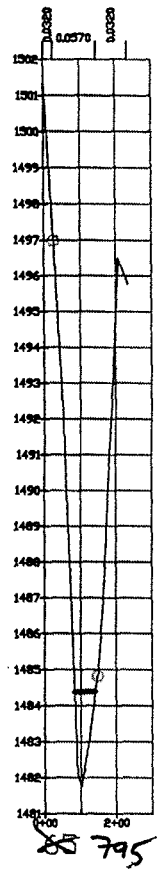
Cross-Section:	~~96~~ 790	
Elevation:	1483.77	ft MSL
Depth:	5.15	ft
Discharge:	2040.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.5219	
Flow Regime:	Subcritical	
Flow Area:	303.67	sq ft
Average Velocity:	6.73	ft/s
Maximum Velocity:	6.78	ft/s
Composite n:	0.0548	
Hydraulic Radius:	3.15	ft
Wetted Perimeter:	96.27	ft
Wetted Top Width:	94.91	ft
Critical Slope:	0.0484	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28E–~~80~~ 790

Entellus™

File: T3N-R7W-S28E.dwg; Date: 9/03/02



Normal Depth Results

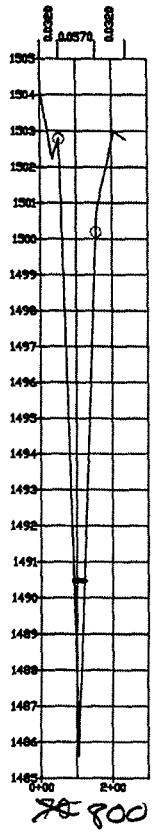
Cross-Section:	~~65~~ 795	
Elevation:	1484.39	ft MSL
Depth:	2.62	ft
Discharge:	360.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.434	
Flow Regime:	Subcritical	
Flow Area:	90.30	sq ft
Average Velocity:	4.00	ft/s
Maximum Velocity:	4.00	ft/s
Composite n:	0.057	
Hydraulic Radius:	1.54	ft
Wetted Perimeter:	58.50	ft
Wetted Top Width:	58.09	ft
Critical Slope:	0.0691	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28E–~~85~~ 795

Entellus™

File: T3N-R7W-S28E.dwg; Date: 9/03/02



Normal Depth Results

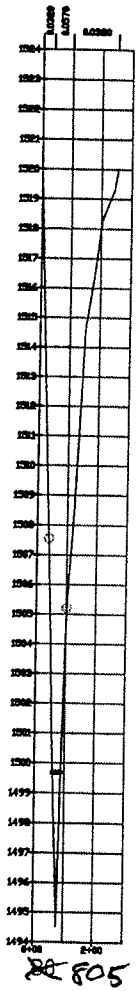
Cross-Section:	~~70~~ 800	
Elevation:	1490.49	ft MSL
Depth:	4.87	ft
Discharge:	360.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.4098	
Flow Regime:	Subcritical	
Flow Area:	70.19	sq ft
Average Velocity:	5.12	ft/s
Maximum Velocity:	5.12	ft/s
Composite n:	0.057	
Hydraulic Radius:	2.24	ft
Wetted Perimeter:	31.33	ft
Wetted Top Width:	29.75	ft
Critical Slope:	0.0781	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28E–~~70~~ 800

Entellus™

File: T3N-R7W-S28E.dwg; Date: 9/03/02



Normal Depth Results

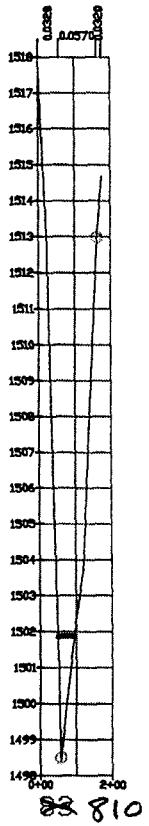
Cross-Section:	~~80~~ 805	
Elevation:	1499.69	ft MSL
Depth:	5.15	ft
Discharge:	360.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.4106	
Flow Regime:	Subcritical	
Flow Area:	68.11	sq ft
Average Velocity:	5.30	ft/s
Maximum Velocity:	5.30	ft/s
Composite n:	0.057	
Hydraulic Radius:	2.36	ft
Wetted Perimeter:	28.90	ft
Wetted Top Width:	26.83	ft
Critical Slope:	0.0773	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28E–~~80~~ 805

Entellus™

File: T3N-R7W-S28E.dwg, Date: 9/03/02



Normal Depth Results

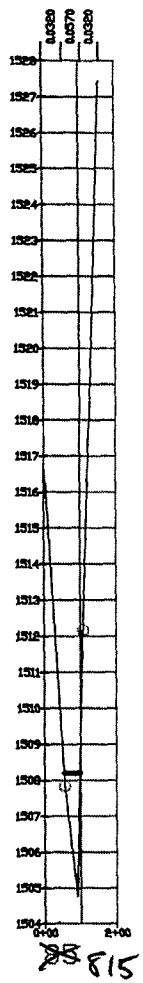
Cross-Section:	~~83~~ 810	
Elevation:	1501.87	ft MSL
Depth:	3.46	ft
Discharge:	360.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.4505	
Flow Regime:	Subcritical	
Flow Area:	75.71	sq ft
Average Velocity:	4.74	ft/s
Maximum Velocity:	7.15	ft/s
Composite n:	0.0526	
Hydraulic Radius:	1.64	ft
Wetted Perimeter:	46.06	ft
Wetted Top Width:	45.21	ft
Critical Slope:	0.0717	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28E–~~83~~ 810

Entellus™

File: T3N-R7W-S28E.dwg, Date: 9/03/02



Normal Depth Results

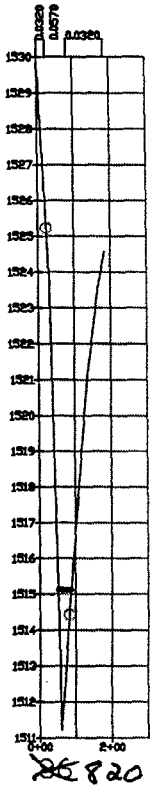
Cross-Section:	~~85~~ 815	
Elevation:	1508.20	ft MSL
Depth:	3.42	ft
Discharge:	360.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.4277	
Flow Regime:	Subcritical	
Flow Area:	80.18	sq ft
Average Velocity:	4.50	ft/s
Maximum Velocity:	4.51	ft/s
Composite n:	0.0557	
Hydraulic Radius:	1.76	ft
Wetted Perimeter:	45.56	ft
Wetted Top Width:	44.65	ft
Critical Slope:	0.0726	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28E–~~85~~815

Entellus™

File: T3N-R7W-S28E.dwg, Date: 9/03/02



Normal Depth Results

Cross-Section:	~~26~~ 820	
Elevation:	1515.13	ft MSL
Depth:	3.90	ft
Discharge:	360.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.4476	
Flow Regime:	Subcritical	
Flow Area:	71.80	sq ft
Average Velocity:	4.99	ft/s
Maximum Velocity:	5.06	ft/s
Composite n:	0.0536	
Hydraulic Radius:	1.92	ft
Wetted Perimeter:	37.41	ft
Wetted Top Width:	36.34	ft
Critical Slope:	0.0681	ft/ft

File: T3N-R7W-S28E.dwg Date: 9/03/02

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28E–~~26~~ 820

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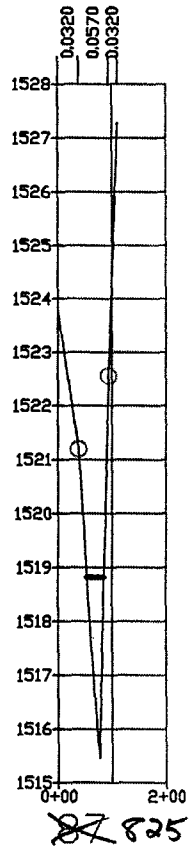


Normal Depth Results

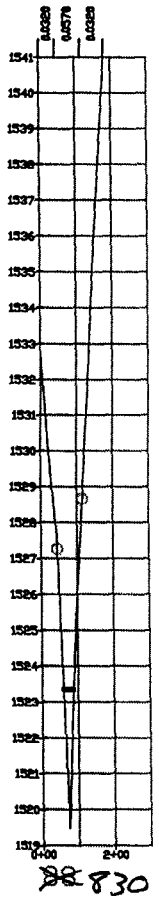
Cross-Section:	~~87~~ 825	
Elevation:	1518.82	ft MSL
Depth:	3.36	ft
Discharge:	230.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.4048	
Flow Regime:	Subcritical	
Flow Area:	54.65	sq ft
Average Velocity:	4.23	ft/s
Maximum Velocity:	4.23	ft/s
Composite n:	0.057	
Hydraulic Radius:	1.68	ft
Wetted Perimeter:	32.46	ft
Wetted Top Width:	31.56	ft
Critical Slope:	0.0789	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28E–~~87~~ 825

Entellus™

File: T3N-R7W-S28E.dwg; Date: 9/03/02



Normal Depth Results

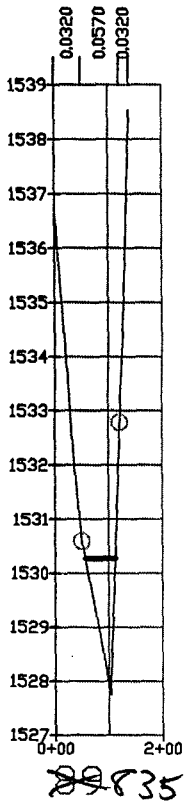
Cross-Section:	~~88~~ 830	
Elevation:	1523.36	ft MSL
Depth:	3.86	ft
Discharge:	230.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.4004	
Flow Regime:	Subcritical	
Flow Area:	51.56	sq ft
Average Velocity:	4.45	ft/s
Maximum Velocity:	4.45	ft/s
Composite n:	0.057	
Hydraulic Radius:	1.82	ft
Wetted Perimeter:	28.38	ft
Wetted Top Width:	27.30	ft
Critical Slope:	0.0819	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28E–~~88~~ 830

Entellus™

File: T3N-R7W-S28E.dwg, Date: 9/03/02



Normal Depth Results

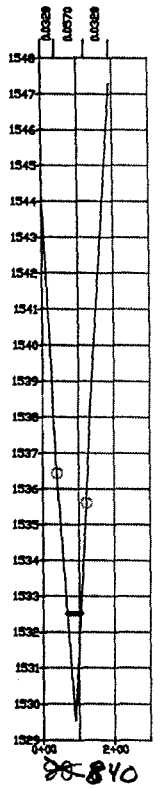
Cross-Section:	~~89~~ 835	
Elevation:	1530.27	ft MSL
Depth:	2.51	ft
Discharge:	230.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.3761	
Flow Regime:	Subcritical	
Flow Area:	68.00	sq ft
Average Velocity:	3.41	ft/s
Maximum Velocity:	3.41	ft/s
Composite n:	0.057	
Hydraulic Radius:	1.21	ft
Wetted Perimeter:	56.00	ft
Wetted Top Width:	55.58	ft
Critical Slope:	0.0913	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28E–~~289~~835

Entellus™

File: T3N-R7W-S28E.dwg; Date: 9/03/02



Normal Depth Results

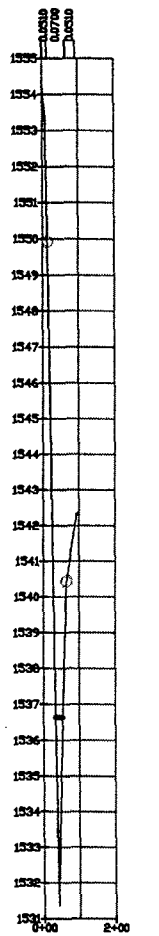
Cross-Section:	~~90~~ 840	
Elevation:	1532.52	ft MSL
Depth:	2.97	ft
Discharge:	230.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.4023	
Flow Regime:	Subcritical	
Flow Area:	58.50	sq ft
Average Velocity:	3.93	ft/s
Maximum Velocity:	3.93	ft/s
Composite n:	0.057	
Hydraulic Radius:	1.51	ft
Wetted Perimeter:	38.81	ft
Wetted Top Width:	38.33	ft
Critical Slope:	0.0808	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28E–~~90~~ 840

Entellus™

File: T3N-R7W-S28E.dwg, Date: 9/03/02



~~95~~ 845

Normal Depth Results

Cross-Section:	~~95~~ 845	
Elevation:	1536.64	ft MSL
Depth:	5.26	ft
Discharge:	230.00	cfs
Energy Gradient:	0.0131	ft/ft
Froude Number:	0.3297	
Flow Regime:	Subcritical	
Flow Area:	53.61	sq ft
Average Velocity:	4.28	ft/s
Maximum Velocity:	4.28	ft/s
Composite n:	0.07	
Hydraulic Radius:	2.33	ft
Wetted Perimeter:	23.05	ft
Wetted Top Width:	20.37	ft
Critical Slope:	0.1212	ft/ft

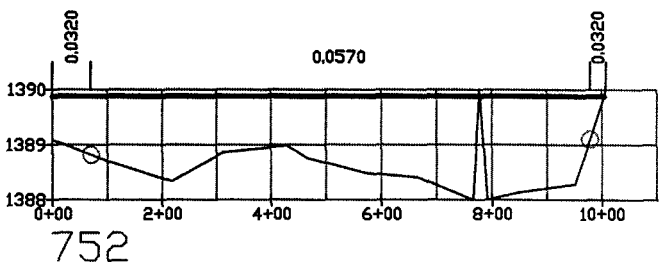
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28E–~~95~~ 845

Entellus™

File: T3N-R7W-S28E.dwg, Date: 9/03/02

T3N-R7W-S28W



Normal Depth Results

Cross-Section:	752	
Elevation:	1389.88	ft MSL
Depth:	1.88	ft
Discharge:	4930.00	cfs
Energy Gradient:	0.0133	ft/ft
Froude Number:	0.4856	
Flow Regime:	Subcritical	
Flow Area:	1304.12	sq ft
Average Velocity:	3.76	ft/s
Maximum Velocity:	5.11	ft/s
Composite n:	0.0548	
Hydraulic Radius:	1.3	ft
Wetted Perimeter:	1002.60	ft
Wetted Top Width:	1002.28	ft
Critical Slope:	0.0579	ft/ft

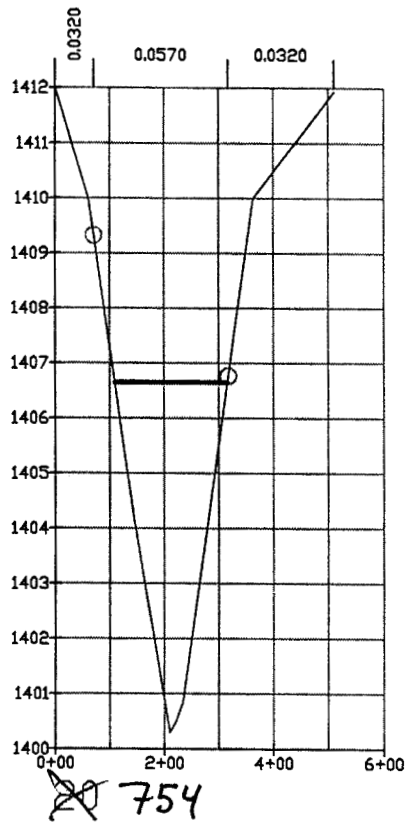
NOT USED IN DELINEATION

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–752

Entellus™

File: T3N-R7W-S28W-Bottom-New-Mapping.dwg Date: 5/16/02



Normal Depth Results

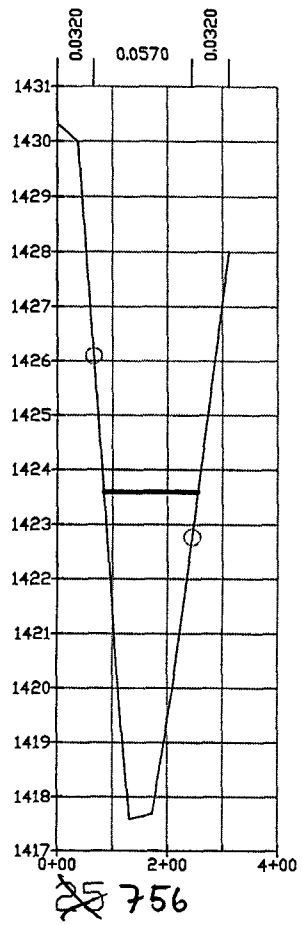
Cross-Section:	~~20~~ 754	
Elevation:	1406.65	ft MSL
Depth:	6.35	ft
Discharge:	4930.00	cfs
Energy Gradient:	0.0133	ft/ft
Froude Number:	0.4812	
Flow Regime:	Subcritical	
Flow Area:	716.77	sq ft
Average Velocity:	6.89	ft/s
Maximum Velocity:	6.89	ft/s
Composite n:	0.057	
Hydraulic Radius:	3.46	ft
Wetted Perimeter:	207.34	ft
Wetted Top Width:	206.93	ft
Critical Slope:	0.0571	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~20~~ 754

Entellus™

File: T3N-R7W-S28W-Bottom-New-Mapping.dwg Date: 9/20/02



Normal Depth Results

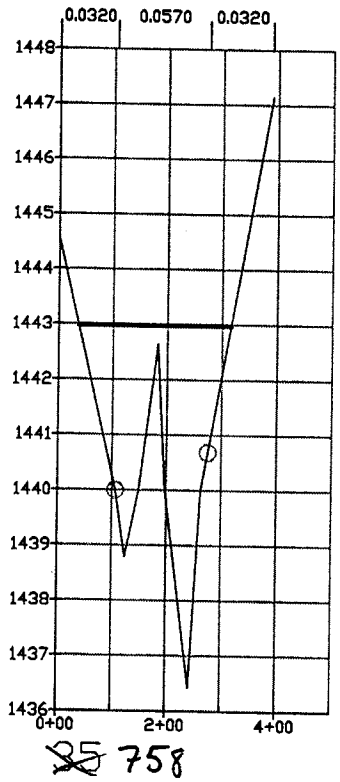
Cross-Section:	~~25~~ 756	
Elevation:	1423.60	ft MSL
Depth:	6.01	ft
Discharge:	4930.00	cfs
Energy Gradient:	0.0133	ft/ft
Froude Number:	0.5459	
Flow Regime:	Subcritical	
Flow Area:	649.63	sq ft
Average Velocity:	7.57	ft/s
Maximum Velocity:	7.60	ft/s
Composite n:	0.0556	
Hydraulic Radius:	3.78	ft
Wetted Perimeter:	171.71	ft
Wetted Top Width:	171.11	ft
Critical Slope:	0.0457	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~25~~ 756

Entellus™

File: T3N-R7W-S28W-Bottom-New-Mapping.dwg Date: 9/20/02



Normal Depth Results

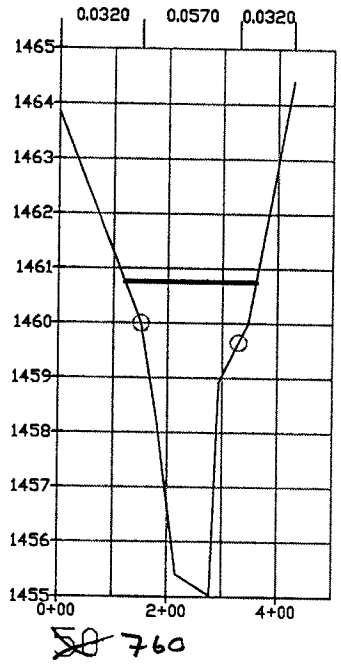
Cross-Section:	~~35~~ 758	
Elevation:	1442.98	ft MSL
Depth:	6.55	ft
Discharge:	4930.00	cfs
Energy Gradient:	0.0133	ft/ft
Froude Number:	0.4662	
Flow Regime:	Subcritical	
Flow Area:	728.54	sq ft
Average Velocity:	6.79	ft/s
Maximum Velocity:	7.00	ft/s
Composite n:	0.0479	
Hydraulic Radius:	2.6	ft
Wetted Perimeter:	280.14	ft
Wetted Top Width:	279.13	ft
Critical Slope:	0.0609	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~35~~ 758

Entellus™

File: T3N-R7W-S28W-Bottom-New-Mapping.dwg Date: 9/20/02



Normal Depth Results

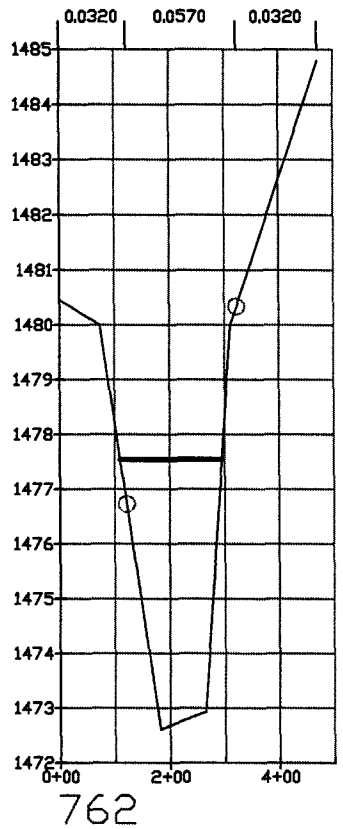
Cross-Section:	~~50~~ 760	
Elevation:	1460.75	ft MSL
Depth:	5.72	ft
Discharge:	4650.00	cfs
Energy Gradient:	0.0133	ft/ft
Froude Number:	0.5077	
Flow Regime:	Subcritical	
Flow Area:	675.04	sq ft
Average Velocity:	6.90	ft/s
Maximum Velocity:	7.06	ft/s
Composite n:	0.0512	
Hydraulic Radius:	2.81	ft
Wetted Perimeter:	240.21	ft
Wetted Top Width:	239.51	ft
Critical Slope:	0.0549	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~50~~ 760

Entellus™

File: T3N-R7W-S28W-Bottom-New-Mapping.dwg Date: 9/20/02



Normal Depth Results

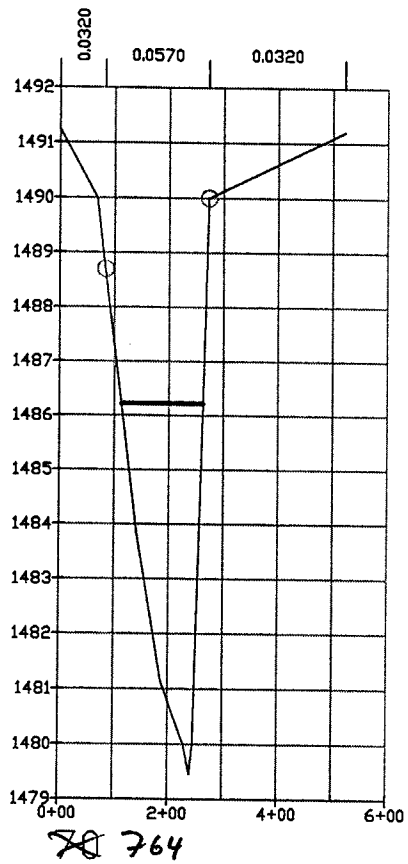
Cross-Section:	762	
Elevation:	1477.54	ft MSL
Depth:	4.93	ft
Discharge:	4550.00	cfs
Energy Gradient:	0.0133	ft/ft
Froude Number:	0.5643	
Flow Regime:	Subcritical	
Flow Area:	640.10	sq ft
Average Velocity:	7.13	ft/s
Maximum Velocity:	7.16	ft/s
Composite n:	0.0555	
Hydraulic Radius:	3.45	ft
Wetted Perimeter:	185.62	ft
Wetted Top Width:	185.10	ft
Critical Slope:	0.0423	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–762

Entellus™

File: T3N-R7W-S28W-Bottom-New-Mapping.dwg Date: 5/16/02



Normal Depth Results

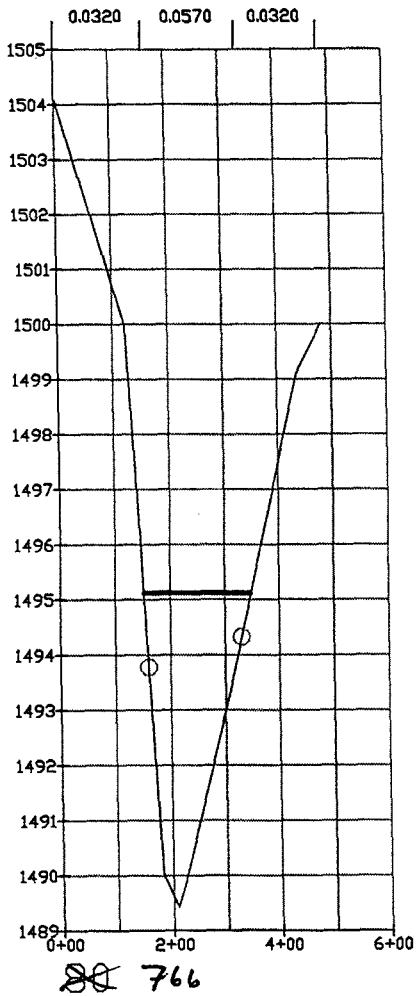
Cross-Section:	~~70~~ 764	
Elevation:	1486.22	ft MSL
Depth:	6.76	ft
Discharge:	4550.00	cfs
Energy Gradient:	0.0133	ft/ft
Froude Number:	0.5135	
Flow Regime:	Subcritical	
Flow Area:	600.64	sq ft
Average Velocity:	7.58	ft/s
Maximum Velocity:	7.58	ft/s
Composite n:	0.057	
Hydraulic Radius:	3.99	ft
Wetted Perimeter:	150.69	ft
Wetted Top Width:	149.35	ft
Critical Slope:	0.0503	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~70~~ 764

Entellus™

File: T3N-R7W-S28W-Bottom-New-Mapping.dwg Date: 9/20/02



Normal Depth Results

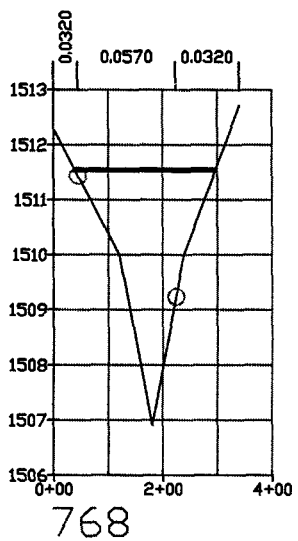
Cross-Section:	~~80~~ 766	
Elevation:	1495.12	ft MSL
Depth:	5.69	ft
Discharge:	4440.00	cfs
Energy Gradient:	0.0133	ft/ft
Froude Number:	0.5199	
Flow Regime:	Subcritical	
Flow Area:	631.15	sq ft
Average Velocity:	7.04	ft/s
Maximum Velocity:	7.11	ft/s
Composite n:	0.054	
Hydraulic Radius:	3.21	ft
Wetted Perimeter:	196.37	ft
Wetted Top Width:	195.83	ft
Critical Slope:	0.0508	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~80~~ 766

Entellus™

File: T3N-R7W-S28W-Bottom-New-Mapping.dwg Date: 9/20/02



Normal Depth Results

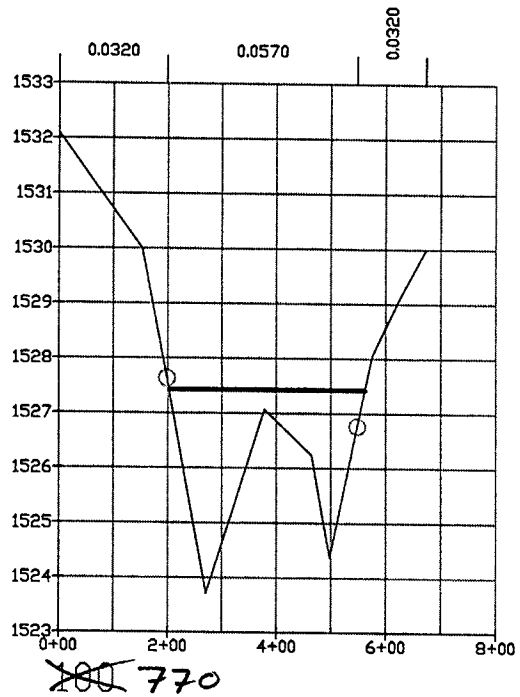
Cross-Section:	768	
Elevation:	1511.55	ft MSL
Depth:	4.64	ft
Discharge:	2890.00	cfs
Energy Gradient:	0.0187	ft/ft
Froude Number:	0.4996	
Flow Regime:	Subcritical	
Flow Area:	473.64	sq ft
Average Velocity:	6.14	ft/s
Maximum Velocity:	6.36	ft/s
Composite n:	0.0501	
Hydraulic Radius:	1.84	ft
Wetted Perimeter:	257.80	ft
Wetted Top Width:	257.61	ft
Critical Slope:	0.075	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–768

Entellus™

File: T3N-R7W-S28W-Bottom-New-Mapping.dwg Date: 5/16/02



Normal Depth Results

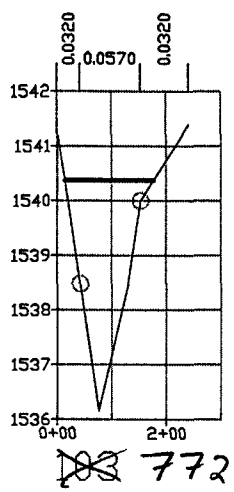
Cross-Section:	~~100~~ 770	
Elevation:	1527.43	ft MSL
Depth:	3.72	ft
Discharge:	2890.00	cfs
Energy Gradient:	0.0187	ft/ft
Froude Number:	0.4553	
Flow Regime:	Subcritical	
Flow Area:	580.44	sq ft
Average Velocity:	5.00	ft/s
Maximum Velocity:	5.02	ft/s
Composite n:	0.0561	
Hydraulic Radius:	1.61	ft
Wetted Perimeter:	360.01	ft
Wetted Top Width:	359.73	ft
Critical Slope:	0.0898	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~100~~ 770

Entellus™

File: T3N-R7W-S28W-Bottom-New-Mapping.dwg Date: 9/20/02



Normal Depth Results

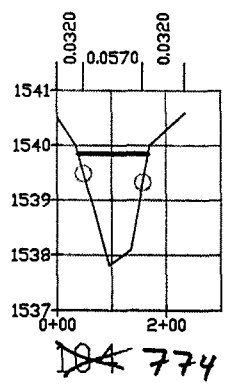
Cross-Section:	~~103~~ 772	
Elevation:	1540.37	ft MSL
Depth:	4.21	ft
Discharge:	2170.00	cfs
Energy Gradient:	0.0187	ft/ft
Froude Number:	0.5756	
Flow Regime:	Subcritical	
Flow Area:	323.88	sq ft
Average Velocity:	6.71	ft/s
Maximum Velocity:	6.84	ft/s
Composite n:	0.0497	
Hydraulic Radius:	1.99	ft
Wetted Perimeter:	162.74	ft
Wetted Top Width:	162.50	ft
Critical Slope:	0.0603	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~103~~ 772

Entellus™

File: T3N-R7W-S28W-Bottom-New-Mapping.dwg Date: 9/20/02



Normal Depth Results

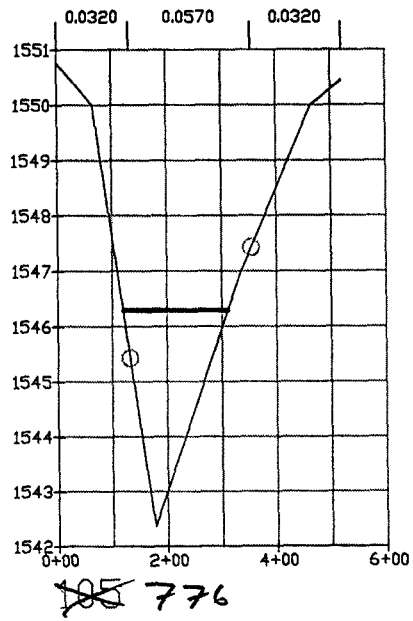
Cross-Section:	~~104~~ 774	
Elevation:	1539.84	ft MSL
Depth:	2.03	ft
Discharge:	720.00	cfs
Energy Gradient:	0.0187	ft/ft
Froude Number:	0.5546	
Flow Regime:	Subcritical	
Flow Area:	160.45	sq ft
Average Velocity:	4.48	ft/s
Maximum Velocity:	4.54	ft/s
Composite n:	0.0536	
Hydraulic Radius:	1.25	ft
Wetted Perimeter:	128.49	ft
Wetted Top Width:	128.41	ft
Critical Slope:	0.0631	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~104~~ 774

Entellus™

File: T3N-R7W-S28W-Bottom-New-Mapping.dwg Date: 9/20/02



Normal Depth Results

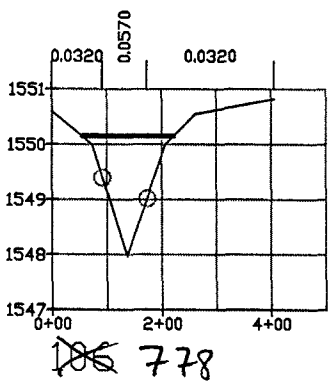
Cross-Section:	~~185~~ 776	
Elevation:	1546.29	ft MSL
Depth:	3.93	ft
Discharge:	2170.00	cfs
Energy Gradient:	0.0187	ft/ft
Froude Number:	0.5124	
Flow Regime:	Subcritical	
Flow Area:	376.49	sq ft
Average Velocity:	5.78	ft/s
Maximum Velocity:	5.81	ft/s
Composite n:	0.0555	
Hydraulic Radius:	1.96	ft
Wetted Perimeter:	191.69	ft
Wetted Top Width:	191.50	ft
Critical Slope:	0.0714	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~185~~ 776

Entellus™

File: T3N-R7W-S28W-Bottom-New-Mapping.dwg, Date: 9/20/02



Normal Depth Results

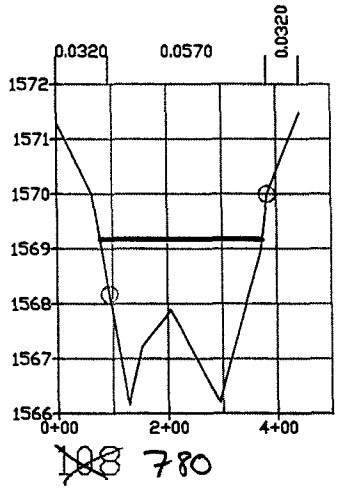
Cross-Section:	~~106~~ 778	
Elevation:	1550.15	ft MSL
Depth:	2.18	ft
Discharge:	720.00	cfs
Energy Gradient:	0.0187	ft/ft
Froude Number:	0.5432	
Flow Regime:	Subcritical	
Flow Area:	158.20	sq ft
Average Velocity:	4.51	ft/s
Maximum Velocity:	4.79	ft/s
Composite n:	0.045	
Hydraulic Radius:	0.95	ft
Wetted Perimeter:	167.13	ft
Wetted Top Width:	167.06	ft
Critical Slope:	0.0689	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~106~~ 778

Entellus™

File: T3N-R7W-S28W-Bottom-New-Mapping.dwg Date: 9/20/02



Normal Depth Results

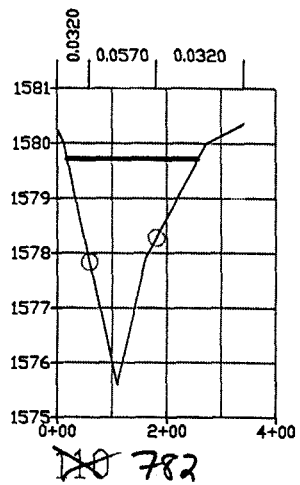
Cross-Section:	~~108~~ 780	
Elevation:	1569.17	ft MSL
Depth:	3.01	ft
Discharge:	2890.00	cfs
Energy Gradient:	0.0187	ft/ft
Froude Number:	0.5525	
Flow Regime:	Subcritical	
Flow Area:	531.18	sq ft
Average Velocity:	5.41	ft/s
Maximum Velocity:	5.43	ft/s
Composite n:	0.0557	
Hydraulic Radius:	1.79	ft
Wetted Perimeter:	296.02	ft
Wetted Top Width:	295.83	ft
Critical Slope:	0.0621	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~108~~ 780

Entellus™

File: T3N-R7W-S28W-Bottom-New-Mapping.dwg Date: 9/20/02



Normal Depth Results

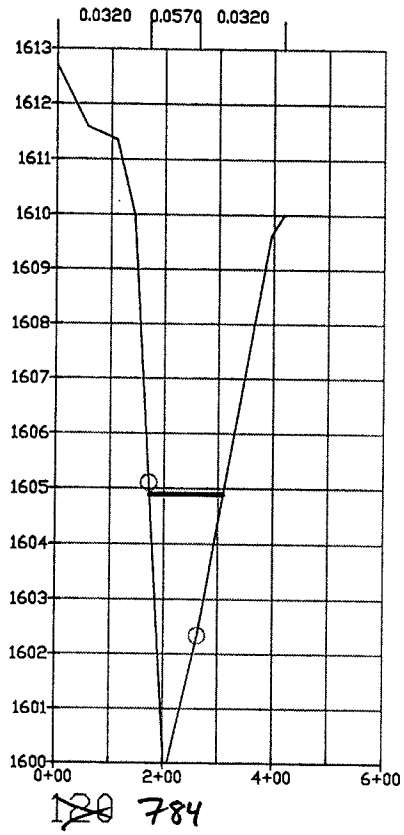
Cross-Section:	~~710~~ 782	
Elevation:	1579.72	ft MSL
Depth:	4.12	ft
Discharge:	2890.00	cfs
Energy Gradient:	0.0187	ft/ft
Froude Number:	0.5834	
Flow Regime:	Subcritical	
Flow Area:	430.45	sq ft
Average Velocity:	6.70	ft/s
Maximum Velocity:	7.02	ft/s
Composite n:	0.0456	
Hydraulic Radius:	1.8	ft
Wetted Perimeter:	239.57	ft
Wetted Top Width:	239.41	ft
Critical Slope:	0.0568	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~710~~ 782

Entellus™

File: T3N-R7W-S28W-Bottom-New-Mapping.dwg, Date: 9/20/02



Normal Depth Results

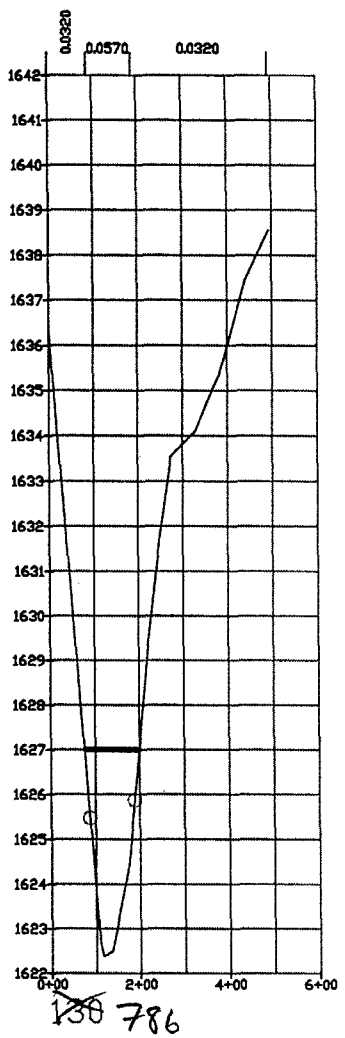
Cross-Section:	~~120~~ 784	
Elevation:	1604.90	ft MSL
Depth:	4.90	ft
Discharge:	2890.00	cfs
Energy Gradient:	0.0187	ft/ft
Froude Number:	0.6331	
Flow Regime:	Subcritical	
Flow Area:	363.56	sq ft
Average Velocity:	7.98	ft/s
Maximum Velocity:	8.07	ft/s
Composite n:	0.0491	
Hydraulic Radius:	2.67	ft
Wetted Perimeter:	136.30	ft
Wetted Top Width:	135.76	ft
Critical Slope:	0.0464	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~120~~ 784

Entellus™

File: T3N-R7W-S28W-Bottom-New-Mapping.dwg, Date: 9/20/02



Normal Depth Results

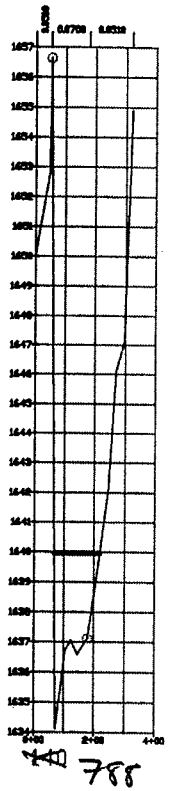
Cross-Section:	~~130~~ 786	
Elevation:	1627.00	ft MSL
Depth:	4.62	ft
Discharge:	2890.00	cfs
Energy Gradient:	0.0187	ft/ft
Froude Number:	0.6542	
Flow Regime:	Subcritical	
Flow Area:	362.19	sq ft
Average Velocity:	8.00	ft/s
Maximum Velocity:	8.13	ft/s
Composite n:	0.0529	
Hydraulic Radius:	2.93	ft
Wetted Perimeter:	123.67	ft
Wetted Top Width:	123.20	ft
Critical Slope:	0.0447	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~130~~ 786

Entellus™

File: T3N-R7W-S28W-Middle.dwg; Date: 9/03/02



Normal Depth Results

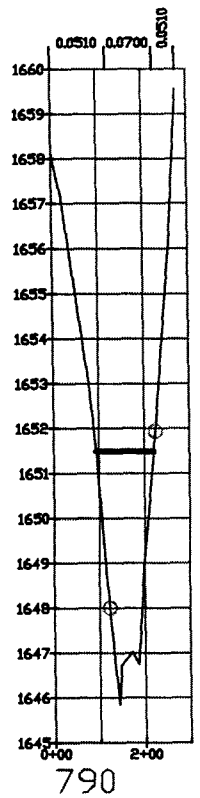
Cross-Section:	~~140~~ 788	
Elevation:	1639.95	ft MSL
Depth:	5.83	ft
Discharge:	2890.00	cfs
Energy Gradient:	0.0187	ft/ft
Froude Number:	0.4685	
Flow Regime:	Subcritical	
Flow Area:	450.27	sq ft
Average Velocity:	6.42	ft/s
Maximum Velocity:	6.61	ft/s
Composite n:	0.0652	
Hydraulic Radius:	2.9	ft
Wetted Perimeter:	155.15	ft
Wetted Top Width:	152.39	ft
Critical Slope:	0.087	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~140~~ 788

Entellus™

File: T3N-R7W-S28W-Middle.dwg, Date: 9/03/02



Normal Depth Results

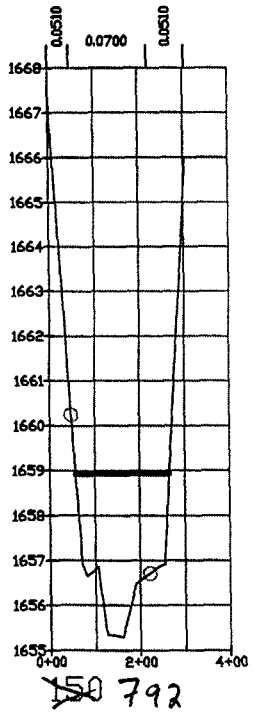
Cross-Section:	790	
Elevation:	1651.49	ft MSL
Depth:	5.64	ft
Discharge:	2890.00	cfs
Energy Gradient:	0.0187	ft/ft
Froude Number:	0.5087	
Flow Regime:	Subcritical	
Flow Area:	421.60	sq ft
Average Velocity:	6.85	ft/s
Maximum Velocity:	7.01	ft/s
Composite n:	0.0658	
Hydraulic Radius:	3.27	ft
Wetted Perimeter:	128.83	ft
Wetted Top Width:	128.10	ft
Critical Slope:	0.073	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–790

Entellus™

File: T3N-R7W-S28W-Middle.dwg Date: 9/03/02



Normal Depth Results

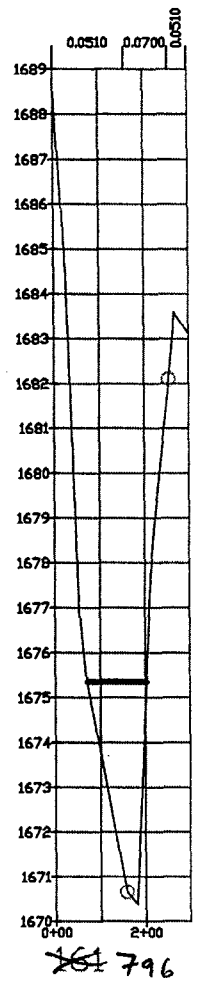
Cross-Section:	~~150~~ 792	
Elevation:	1658.93	ft MSL
Depth:	3.63	ft
Discharge:	2890.00	cfs
Energy Gradient:	0.0187	ft/ft
Froude Number:	0.5196	
Flow Regime:	Subcritical	
Flow Area:	514.77	sq ft
Average Velocity:	5.61	ft/s
Maximum Velocity:	5.95	ft/s
Composite n:	0.0662	
Hydraulic Radius:	2.46	ft
Wetted Perimeter:	209.16	ft
Wetted Top Width:	208.73	ft
Critical Slope:	0.0693	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~150~~ 792

Entellus™

File: T3N-R7W-S28W-Middle.dwg, Date: 9/03/02



Normal Depth Results

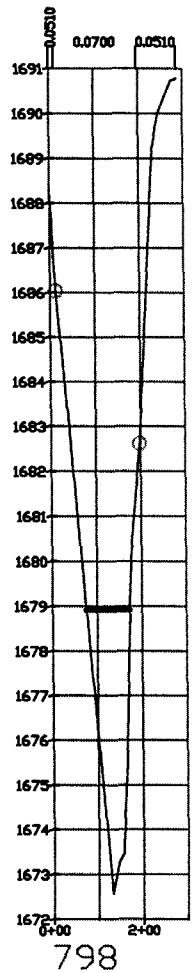
Cross-Section:	~~161~~ 796	
Elevation:	1675.35	ft MSL
Depth:	4.97	ft
Discharge:	2610.00	cfs
Energy Gradient:	0.0187	ft/ft
Froude Number:	0.5523	
Flow Regime:	Subcritical	
Flow Area:	373.66	sq ft
Average Velocity:	6.99	ft/s
Maximum Velocity:	7.05	ft/s
Composite n:	0.0578	
Hydraulic Radius:	2.8	ft
Wetted Perimeter:	133.50	ft
Wetted Top Width:	132.81	ft
Critical Slope:	0.0611	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~161~~ 796

Entellus™

File: T3N-R7W-S28W-Middle.dwg; Date: 9/03/02



Normal Depth Results

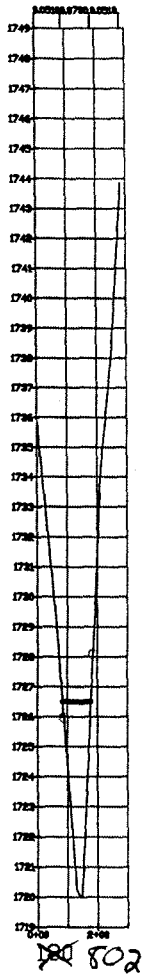
Cross-Section:	798	
Elevation:	1678.92	ft MSL
Depth:	6.35	ft
Discharge:	2610.00	cfs
Energy Gradient:	0.0187	ft/ft
Froude Number:	0.493	
Flow Regime:	Subcritical	
Flow Area:	370.36	sq ft
Average Velocity:	7.02	ft/s
Maximum Velocity:	7.02	ft/s
Composite n:	0.07	
Hydraulic Radius:	3.75	ft
Wetted Perimeter:	98.81	ft
Wetted Top Width:	97.58	ft
Critical Slope:	0.0774	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–798

Entellus™

File: T3N-R7W-S28W-Middle.dwg Date: 9/03/02



Normal Depth Results

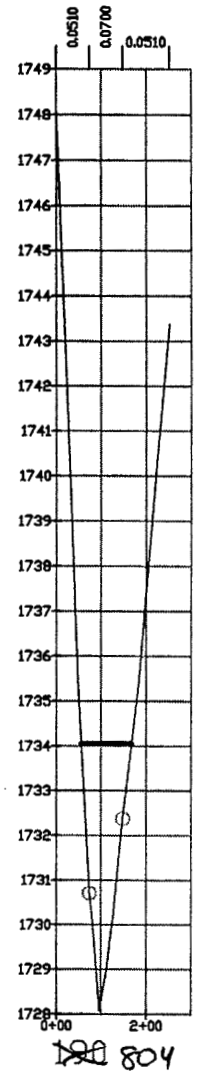
Cross-Section:	~~180~~ 802	
Elevation:	1726.50	ft MSL
Depth:	6.51	ft
Discharge:	2610.00	cfs
Energy Gradient:	0.0187	ft/ft
Froude Number:	0.4996	
Flow Regime:	Subcritical	
Flow Area:	360.81	sq ft
Average Velocity:	7.24	ft/s
Maximum Velocity:	7.26	ft/s
Composite n:	0.0692	
Hydraulic Radius:	3.79	ft
Wetted Perimeter:	95.29	ft
Wetted Top Width:	94.17	ft
Critical Slope:	0.0767	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~180~~ 802

Entellus™

File: T3N-R7W-S28W-Middle.dwg; Date: 9/03/02



Normal Depth Results

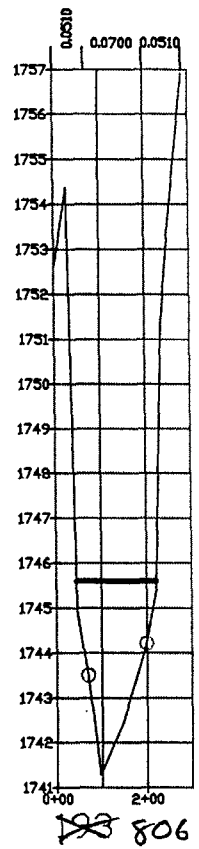
Cross-Section:	~~190~~ 804	
Elevation:	1734.05	ft MSL
Depth:	5.97	ft
Discharge:	2610.00	cfs
Energy Gradient:	0.0187	ft/ft
Froude Number:	0.5228	
Flow Regime:	Subcritical	
Flow Area:	360.19	sq ft
Average Velocity:	7.23	ft/s
Maximum Velocity:	7.59	ft/s
Composite n:	0.0638	
Hydraulic Radius:	3.19	ft
Wetted Perimeter:	112.77	ft
Wetted Top Width:	112.05	ft
Critical Slope:	0.0749	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~190~~ 804

Entellus™

File: T3N-R7W-S28W-Middle.dwg Date: 9/03/02



Normal Depth Results

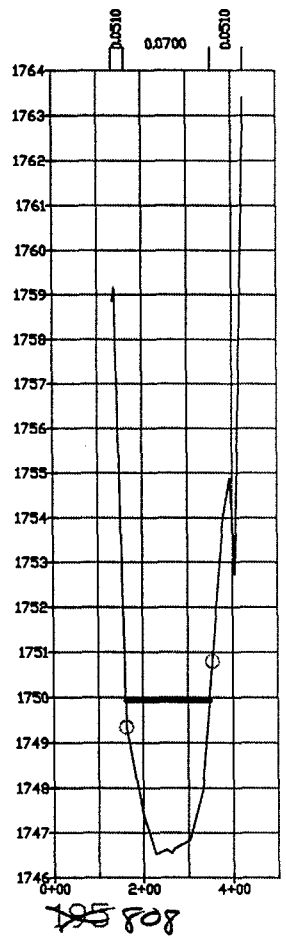
Cross-Section:	~~193~~ 806	
Elevation:	1745.60	ft MSL
Depth:	4.31	ft
Discharge:	2610.00	cfs
Energy Gradient:	0.0187	ft/ft
Froude Number:	0.4995	
Flow Regime:	Subcritical	
Flow Area:	443.52	sq ft
Average Velocity:	5.88	ft/s
Maximum Velocity:	6.08	ft/s
Composite n:	0.0652	
Hydraulic Radius:	2.49	ft
Wetted Perimeter:	177.87	ft
Wetted Top Width:	177.46	ft
Critical Slope:	0.0786	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~193~~ 806

Entellus™

File: T3N-k7W-S28W-Middle.dwg, Date: 9/03/02



Normal Depth Results

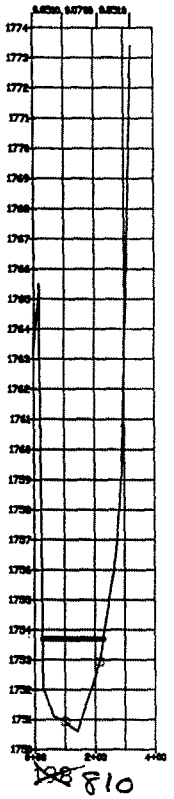
Cross-Section:	~~195~~ 808	
Elevation:	1749.94	ft MSL
Depth:	3.41	ft
Discharge:	2610.00	cfs
Energy Gradient:	0.0187	ft/ft
Froude Number:	0.5198	
Flow Regime:	Subcritical	
Flow Area:	479.21	sq ft
Average Velocity:	5.45	ft/s
Maximum Velocity:	5.45	ft/s
Composite n:	0.07	
Hydraulic Radius:	2.56	ft
Wetted Perimeter:	187.28	ft
Wetted Top Width:	186.95	ft
Critical Slope:	0.0692	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~195~~ 808

Entellus™

File: T3N-R7W-S28W-Middle.dwg Date: 9/03/02



Normal Depth Results

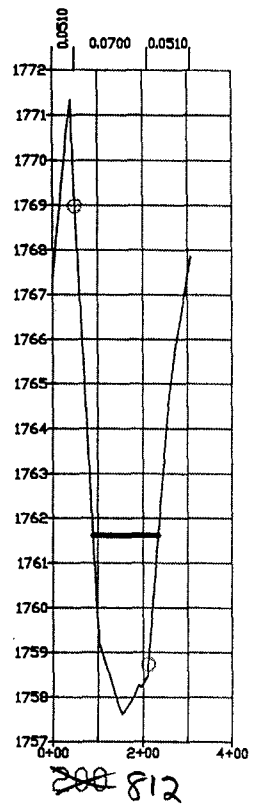
Cross-Section:	~~198~~ 810	
Elevation:	1753.70	ft MSL
Depth:	3.08	ft
Discharge:	2610.00	cfs
Energy Gradient:	0.0187	ft/ft
Froude Number:	0.5874	
Flow Regime:	Subcritical	
Flow Area:	446.39	sq ft
Average Velocity:	5.82	ft/s
Maximum Velocity:	7.08	ft/s
Composite n:	0.0622	
Hydraulic Radius:	2.2	ft
Wetted Perimeter:	203.11	ft
Wetted Top Width:	202.21	ft
Critical Slope:	0.0604	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~198~~ 810

Entellus™

File: T3N-R7W-S28W-Middle.dwg, Date: 9/03/02



Normal Depth Results

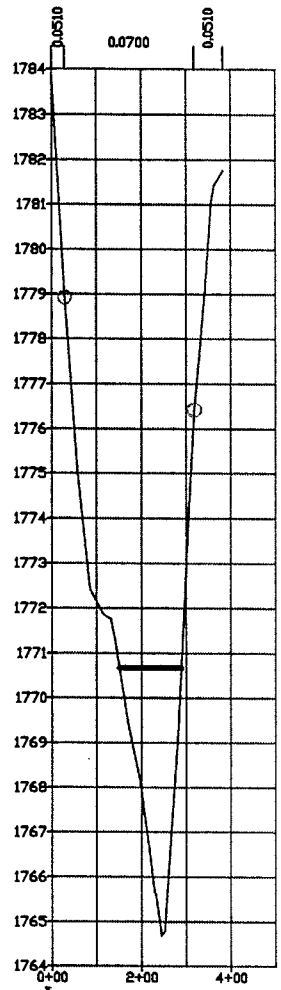
Cross-Section:	~~200~~ 812	
Elevation:	1761.63	ft MSL
Depth:	4.02	ft
Discharge:	2610.00	cfs
Energy Gradient:	0.0187	ft/ft
Froude Number:	0.5451	
Flow Regime:	Subcritical	
Flow Area:	421.27	sq ft
Average Velocity:	6.18	ft/s
Maximum Velocity:	6.27	ft/s
Composite n:	0.0672	
Hydraulic Radius:	2.89	ft
Wetted Perimeter:	145.69	ft
Wetted Top Width:	145.24	ft
Critical Slope:	0.0638	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~200~~ 812

Entellus™

File: T3N-R7W-S28W-Middle.dwg, Date: 9/03/02



~~210~~ 814

Normal Depth Results

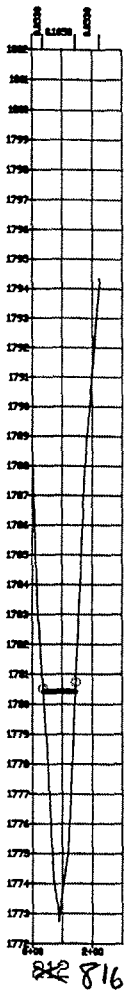
Cross-Section:	~~210~~ 814	
Elevation:	1770.67	ft MSL
Depth:	5.99	ft
Discharge:	2610.00	cfs
Energy Gradient:	0.0187	ft/ft
Froude Number:	0.4411	
Flow Regime:	Subcritical	
Flow Area:	426.07	sq ft
Average Velocity:	6.13	ft/s
Maximum Velocity:	6.13	ft/s
Composite n:	0.07	
Hydraulic Radius:	3.06	ft
Wetted Perimeter:	139.32	ft
Wetted Top Width:	138.65	ft
Critical Slope:	0.0958	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~210~~ 814

Entellus™

File: T3N-k7W-S28W-Middle.dwg, Date: 9/03/02



Normal Depth Results

Cross-Section:	~~212~~ 816	
Elevation:	1780.42	ft MSL
Depth:	7.65	ft
Discharge:	2610.00	cfs
Energy Gradient:	0.0187	ft/ft
Froude Number:	0.3381	
Flow Regime:	Subcritical	
Flow Area:	491.95	sq ft
Average Velocity:	5.30	ft/s
Maximum Velocity:	5.30	ft/s
Composite n:	0.105	
Hydraulic Radius:	4.51	ft
Wetted Perimeter:	108.97	ft
Wetted Top Width:	107.67	ft
Critical Slope:	0.1639	ft/ft

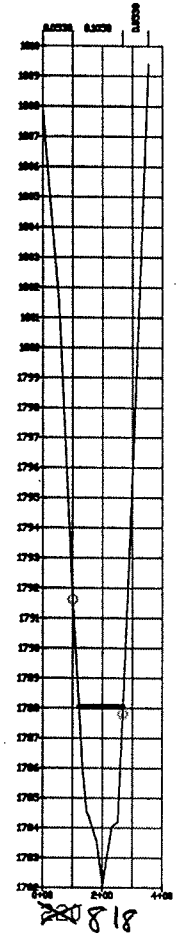
~~212~~ 816

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~212~~ 816

Entellus™

File: T3N-R7W-S28W-Middle.dwg Date: 9/03/02



Normal Depth Results

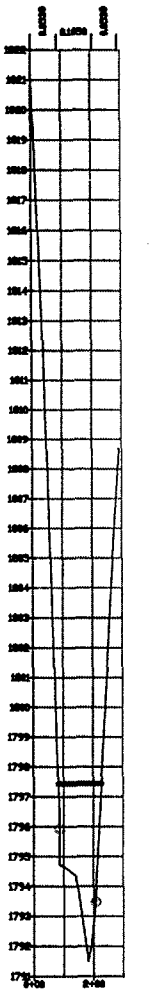
Cross-Section:	~~220~~ 818	
Elevation:	1788.05	ft MSL
Depth:	5.96	ft
Discharge:	2610.00	cfs
Energy Gradient:	0.0187	ft/ft
Froude Number:	0.3398	
Flow Regime:	Subcritical	
Flow Area:	554.48	sq ft
Average Velocity:	4.70	ft/s
Maximum Velocity:	4.70	ft/s
Composite n:	0.1047	
Hydraulic Radius:	3.74	ft
Wetted Perimeter:	148.22	ft
Wetted Top Width:	147.41	ft
Critical Slope:	0.1631	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~220~~ 818

Entellus™

File: T3N-R7W-S28W-Middle.dwg Date: 9/03/02



Normal Depth Results

Cross-Section:	~~225~~ 820	
Elevation:	1797.44	ft MSL
Depth:	5.94	ft
Discharge:	2610.00	cfs
Energy Gradient:	0.0209	ft/ft
Froude Number:	0.3717	
Flow Regime:	Subcritical	
Flow Area:	507.96	sq ft
Average Velocity:	5.13	ft/s
Maximum Velocity:	6.32	ft/s
Composite n:	0.0969	
Hydraulic Radius:	3.47	ft
Wetted Perimeter:	146.32	ft
Wetted Top Width:	144.77	ft
Critical Slope:	0.1538	ft/ft

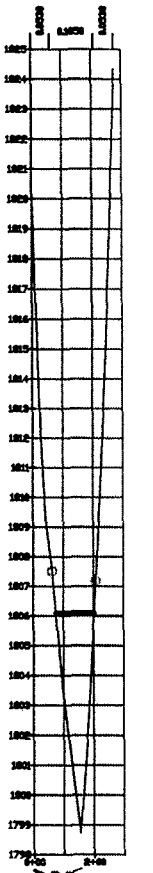
~~225~~ 820

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~225~~ 820

Entellus™

File: T3N-R7W-S28W-Middle.dwg; Date: 9/03/02



~~230~~ 822

Normal Depth Results

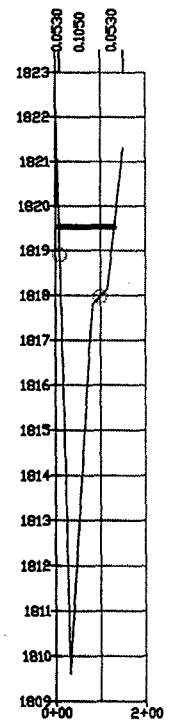
Cross-Section:	~~230~~ 822	
Elevation:	1806.10	ft MSL
Depth:	7.34	ft
Discharge:	2610.00	cfs
Energy Gradient:	0.0209	ft/ft
Froude Number:	0.3353	
Flow Regime:	Subcritical	
Flow Area:	506.53	sq ft
Average Velocity:	5.14	ft/s
Maximum Velocity:	5.14	ft/s
Composite n:	0.105	
Hydraulic Radius:	3.97	ft
Wetted Perimeter:	127.58	ft
Wetted Top Width:	126.63	ft
Critical Slope:	0.1865	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~230~~ 822

Entellus™

File: T3N-R7W-S28W-Middle.dwg; Date: 9/03/02



~~235~~ 824

Normal Depth Results

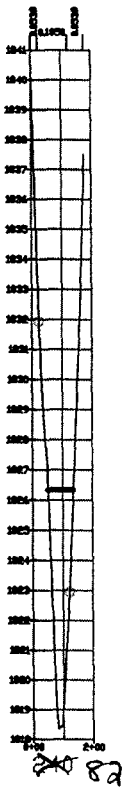
Cross-Section:	~~235~~ 824	
Elevation:	1819.53	ft MSL
Depth:	9.91	ft
Discharge:	2610.00	cfs
Energy Gradient:	0.0209	ft/ft
Froude Number:	0.3146	
Flow Regime:	Subcritical	
Flow Area:	464.50	sq ft
Average Velocity:	5.60	ft/s
Maximum Velocity:	5.71	ft/s
Composite n:	0.0928	
Hydraulic Radius:	3.7	ft
Wetted Perimeter:	125.44	ft
Wetted Top Width:	122.74	ft
Critical Slope:	0.2163	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~235~~ 824

Entellus™

File: T3N-R7W-S28W-Middle.dwg Date: 9/03/02



Normal Depth Results

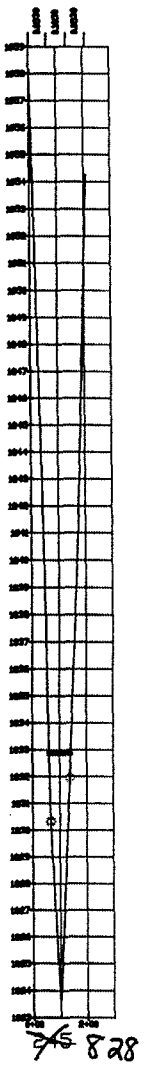
Cross-Section:	~~240~~ 826	
Elevation:	1826.35	ft MSL
Depth:	8.00	ft
Discharge:	2610.00	cfs
Energy Gradient:	0.0209	ft/ft
Froude Number:	0.3924	
Flow Regime:	Subcritical	
Flow Area:	414.59	sq ft
Average Velocity:	6.29	ft/s
Maximum Velocity:	6.32	ft/s
Composite n:	0.0975	
Hydraulic Radius:	4.79	ft
Wetted Perimeter:	86.49	ft
Wetted Top Width:	84.63	ft
Critical Slope:	0.1363	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~240~~ 826

Entellus™

File: T3N-R7W-S28W-Middle.dwg; Date: 9/03/02



Normal Depth Results

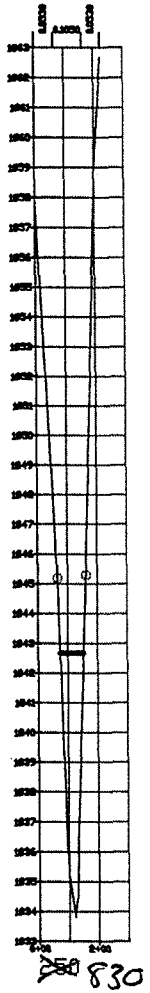
Cross-Section:	~~245~~ 828	
Elevation:	1832.87	ft MSL
Depth:	9.22	ft
Discharge:	2610.00	cfs
Energy Gradient:	0.0209	ft/ft
Froude Number:	0.3693	
Flow Regime:	Subcritical	
Flow Area:	410.25	sq ft
Average Velocity:	6.36	ft/s
Maximum Velocity:	6.41	ft/s
Composite n:	0.0998	
Hydraulic Radius:	4.99	ft
Wetted Perimeter:	82.21	ft
Wetted Top Width:	79.90	ft
Critical Slope:	0.1562	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~245~~828

Entellus™

File: T3N-R7W-S28W-Middle.dwg; Date: 9/03/02



Normal Depth Results

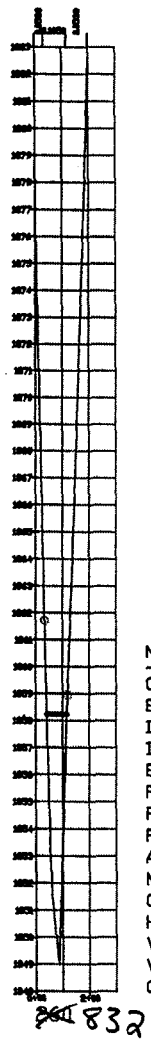
Cross-Section:	~~250~~ 830	
Elevation:	1842.68	ft MSL
Depth:	8.85	ft
Discharge:	2610.00	cfs
Energy Gradient:	0.0209	ft/ft
Froude Number:	0.3658	
Flow Regime:	Subcritical	
Flow Area:	422.75	sq ft
Average Velocity:	6.17	ft/s
Maximum Velocity:	6.17	ft/s
Composite n:	0.105	
Hydraulic Radius:	5.22	ft
Wetted Perimeter:	80.99	ft
Wetted Top Width:	78.48	ft
Critical Slope:	0.1561	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~250~~ 830

Entellus™

File: T3N-R7W-S28W-Middle.dwg, Date: 9/03/02



Normal Depth Results

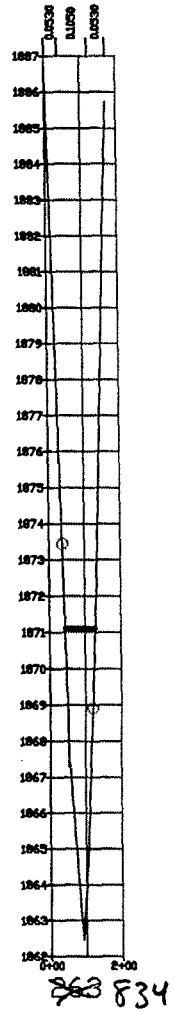
Cross-Section:	~~260~~ 832	
Elevation:	1858.24	ft MSL
Depth:	9.25	ft
Discharge:	2610.00	cfs
Energy Gradient:	0.0209	ft/ft
Froude Number:	0.3643	
Flow Regime:	Subcritical	
Flow Area:	415.35	sq ft
Average Velocity:	6.29	ft/s
Maximum Velocity:	6.29	ft/s
Composite n:	0.105	
Hydraulic Radius:	5.37	ft
Wetted Perimeter:	77.29	ft
Wetted Top Width:	74.58	ft
Critical Slope:	0.1569	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~260~~ 832

Entellus™

File: T3N-R7W-S28W-Top.dwg; Date: 9/03/02



Normal Depth Results

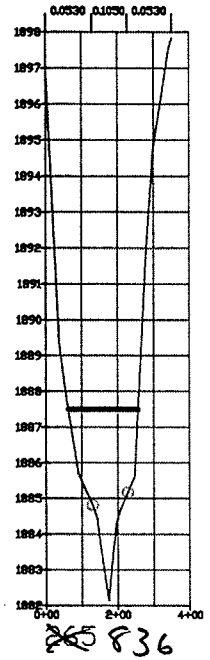
Cross-Section:	~~268~~ 834	
Elevation:	1871.10	ft MSL
Depth:	8.63	ft
Discharge:	2610.00	cfs
Energy Gradient:	0.0209	ft/ft
Froude Number:	0.3716	
Flow Regime:	Subcritical	
Flow Area:	421.43	sq ft
Average Velocity:	6.19	ft/s
Maximum Velocity:	6.23	ft/s
Composite n:	0.1008	
Hydraulic Radius:	4.9	ft
Wetted Perimeter:	86.08	ft
Wetted Top Width:	83.96	ft
Critical Slope:	0.1528	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~263~~ 834

Entellus™

File: T3N-R7W-S28W-Top.dwg; Date: 9/03/02



Normal Depth Results

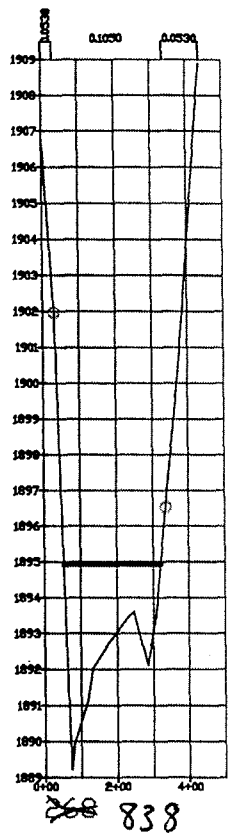
Cross-Section:	~~265~~ 836	
Elevation:	1887.49	ft MSL
Depth:	5.34	ft
Discharge:	2610.00	cfs
Energy Gradient:	0.0209	ft/ft
Froude Number:	0.3879	
Flow Regime:	Subcritical	
Flow Area:	513.11	sq ft
Average Velocity:	5.08	ft/s
Maximum Velocity:	5.75	ft/s
Composite n:	0.0815	
Hydraulic Radius:	2.63	ft
Wetted Perimeter:	194.89	ft
Wetted Top Width:	194.42	ft
Critical Slope:	0.1415	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~265~~ 836

Entellus™

File: T3N-R7W-S28W-Top.dwg; Date: 9/13/02



Normal Depth Results

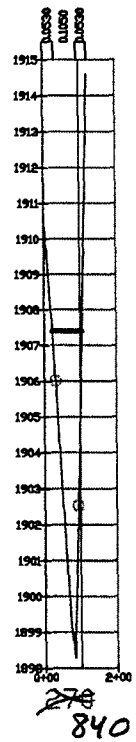
Cross-Section:	~~268~~ 838	
Elevation:	1894.94	ft MSL
Depth:	5.71	ft
Discharge:	2610.00	cfs
Energy Gradient:	0.0209	ft/ft
Froude Number:	0.2815	
Flow Regime:	Subcritical	
Flow Area:	684.11	sq ft
Average Velocity:	3.83	ft/s
Maximum Velocity:	3.83	ft/s
Composite n:	0.105	
Hydraulic Radius:	2.55	ft
Wetted Perimeter:	268.56	ft
Wetted Top Width:	267.50	ft
Critical Slope:	0.2621	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~268~~ 838

Entellus™

File: T3N-R7W-S28W-Top.dwg, Date: 9/03/02



Normal Depth Results

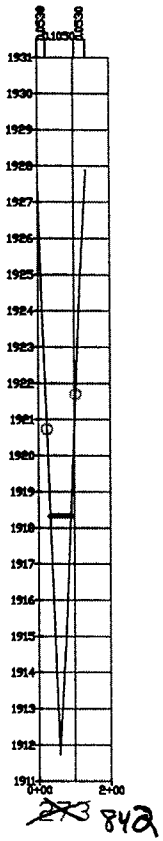
Cross-Section:	~~270~~ 840	
Elevation:	1907.41	ft MSL
Depth:	9.12	ft
Discharge:	2610.00	cfs
Energy Gradient:	0.0209	ft/ft
Froude Number:	0.3813	
Flow Regime:	Subcritical	
Flow Area:	399.68	sq ft
Average Velocity:	6.54	ft/s
Maximum Velocity:	6.95	ft/s
Composite n:	0.0937	
Hydraulic Radius:	4.71	ft
Wetted Perimeter:	84.81	ft
Wetted Top Width:	82.30	ft
Critical Slope:	0.1468	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~270~~ 840

Entellus™

File: T3N-R7W-S28W-Top.dwg; Date: 9/03/02



Normal Depth Results

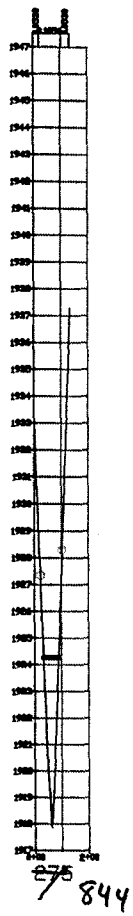
Cross-Section:	~~273~~ 842	
Elevation:	1918.33	ft MSL
Depth:	6.58	ft
Discharge:	920.00	cfs
Energy Gradient:	0.0209	ft/ft
Froude Number:	0.3178	
Flow Regime:	Subcritical	
Flow Area:	198.86	sq ft
Average Velocity:	4.61	ft/s
Maximum Velocity:	4.61	ft/s
Composite n:	0.105	
Hydraulic Radius:	3.37	ft
Wetted Perimeter:	58.95	ft
Wetted Top Width:	57.42	ft
Critical Slope:	0.2079	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~273~~ 842

Entellus™

File: T3N-R7W-S28W-Top.dwg; Date: 9/03/02



Normal Depth Results

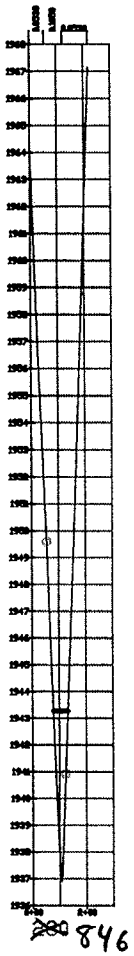
Cross-Section:	~~275~~ 844	
Elevation:	1924.28	ft MSL
Depth:	6.42	ft
Discharge:	920.00	cfs
Energy Gradient:	0.0209	ft/ft
Froude Number:	0.3257	
Flow Regime:	Subcritical	
Flow Area:	196.59	sq ft
Average Velocity:	4.67	ft/s
Maximum Velocity:	4.67	ft/s
Composite n:	0.105	
Hydraulic Radius:	3.44	ft
Wetted Perimeter:	57.22	ft
Wetted Top Width:	55.68	ft
Critical Slope:	0.1977	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~275~~ 844

Entellus™

File: T3N-R7W-S28W-Top.dwg; Date: 9/03/02



Normal Depth Results

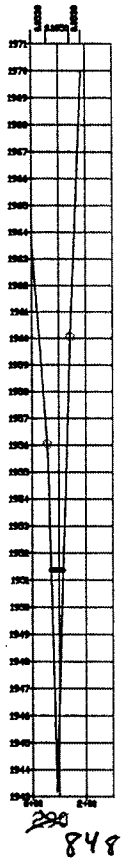
Cross-Section:	~~280~~ 846	
Elevation:	1943.27	ft MSL
Depth:	6.36	ft
Discharge:	920.00	cfs
Energy Gradient:	0.0209	ft/ft
Froude Number:	0.3454	
Flow Regime:	Subcritical	
Flow Area:	186.13	sq ft
Average Velocity:	4.96	ft/s
Maximum Velocity:	4.99	ft/s
Composite n:	0.0973	
Hydraulic Radius:	3.35	ft
Wetted Perimeter:	55.59	ft
Wetted Top Width:	54.04	ft
Critical Slope:	0.1745	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~280~~ 846

Entellus™

File: T3N-R7W-S28W-Top.dwg Date: 9/03/02



Normal Depth Results

Cross-Section:	~~290~~ 848	
Elevation:	1951.38	ft MSL
Depth:	8.17	ft
Discharge:	920.00	cfs
Energy Gradient:	0.0209	ft/ft
Froude Number:	0.3097	
Flow Regime:	Subcritical	
Flow Area:	183.17	sq ft
Average Velocity:	5.02	ft/s
Maximum Velocity:	5.02	ft/s
Composite n:	0.105	
Hydraulic Radius:	3.83	ft
Wetted Perimeter:	47.88	ft
Wetted Top Width:	44.99	ft
Critical Slope:	0.2183	ft/ft

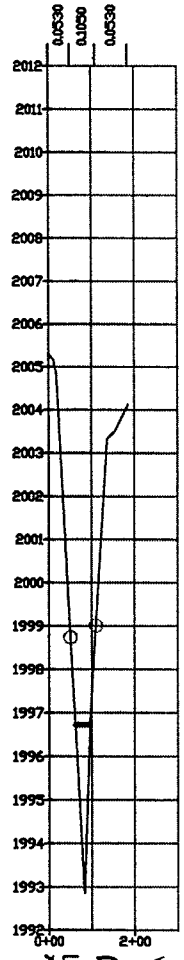
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T3N–R7W–S28W–~~290~~ 848

Entellus™

File: T3N-R7W-S28W-Top.dwg, Date: 9/03/02

T4N-R7W-S28S



~~25~~ 765

Normal Depth Results

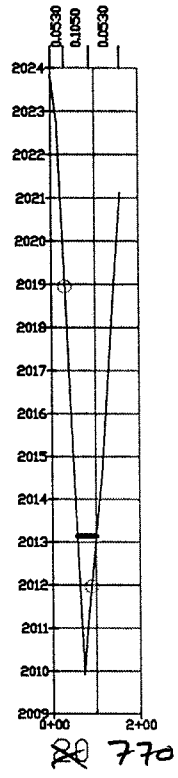
Cross-Section:	~~25~~ 765	
Elevation:	1996.72	ft MSL
Depth:	3.85	ft
Discharge:	210.00	cfs
Energy Gradient:	0.0211	ft/ft
Froude Number:	0.2831	
Flow Regime:	Subcritical	
Flow Area:	66.61	sq ft
Average Velocity:	3.14	ft/s
Maximum Velocity:	3.14	ft/s
Composite n:	0.105	
Hydraulic Radius:	1.88	ft
Wetted Perimeter:	35.41	ft
Wetted Top Width:	34.51	ft
Critical Slope:	0.2651	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S28S–~~25~~ 765

Entellus™

File: T4N-R7W-S28S.dwg Date: 9/13/02



Normal Depth Results

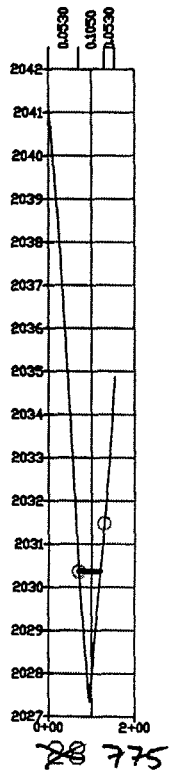
Cross-Section:	~~80~~ 770	
Elevation:	2013.14	ft MSL
Depth:	3.21	ft
Discharge:	210.00	cfs
Energy Gradient:	0.0211	ft/ft
Froude Number:	0.3047	
Flow Regime:	Subcritical	
Flow Area:	67.80	sq ft
Average Velocity:	3.09	ft/s
Maximum Velocity:	3.12	ft/s
Composite n:	0.0931	
Hydraulic Radius:	1.53	ft
Wetted Perimeter:	44.21	ft
Wetted Top Width:	43.69	ft
Critical Slope:	0.2282	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S28S–~~80~~ 770

Entellus™

File: T4N-R7W-S28S.dwg Date: 9/13/02



Normal Depth Results

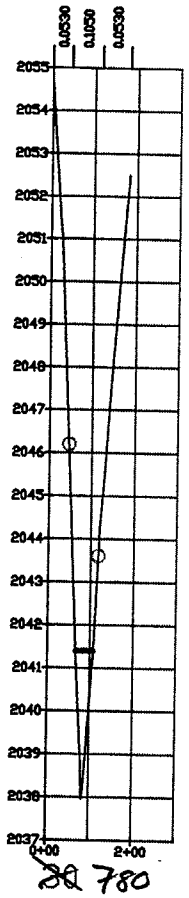
Cross-Section:	~~28~~ 775	
Elevation:	2030.37	ft MSL
Depth:	3.01	ft
Discharge:	210.00	cfs
Energy Gradient:	0.0211	ft/ft
Froude Number:	0.2765	
Flow Regime:	Subcritical	
Flow Area:	77.10	sq ft
Average Velocity:	2.72	ft/s
Maximum Velocity:	2.72	ft/s
Composite n:	0.1049	
Hydraulic Radius:	1.52	ft
Wetted Perimeter:	50.88	ft
Wetted Top Width:	50.52	ft
Critical Slope:	0.2766	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S28S–~~28~~ 775

Entellus™

File: T4N-R7W-S28S.dwg Date: 9/13/02



Normal Depth Results

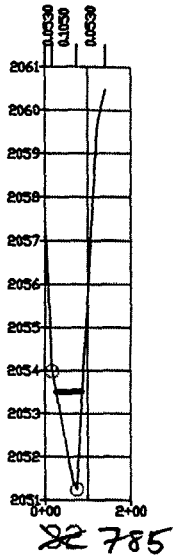
Cross-Section:	~~30~~ 780	
Elevation:	2041.40	ft MSL
Depth:	3.44	ft
Discharge:	210.00	cfs
Energy Gradient:	0.0211	ft/ft
Froude Number:	0.2808	
Flow Regime:	Subcritical	
Flow Area:	71.08	sq ft
Average Velocity:	2.93	ft/s
Maximum Velocity:	2.93	ft/s
Composite n:	0.105	
Hydraulic Radius:	1.7	ft
Wetted Perimeter:	41.86	ft
Wetted Top Width:	41.20	ft
Critical Slope:	0.2712	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S28S–~~30~~ 780

Entellus™

File: T4N-R7W-S28S.dwg, Date: 9/13/02



Normal Depth Results

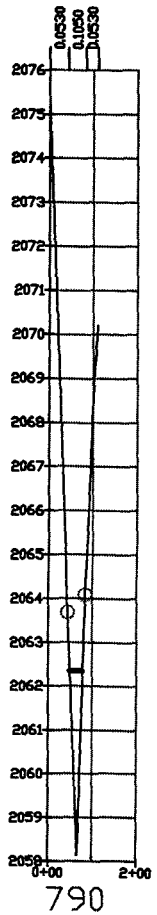
Cross-Section:	~~32~~ 785	
Elevation:	2053.51	ft MSL
Depth:	2.26	ft
Discharge:	210.00	cfs
Energy Gradient:	0.0211	ft/ft
Froude Number:	0.325	
Flow Regime:	Subcritical	
Flow Area:	75.75	sq ft
Average Velocity:	2.79	ft/s
Maximum Velocity:	4.39	ft/s
Composite n:	0.0953	
Hydraulic Radius:	1.23	ft
Wetted Perimeter:	61.52	ft
Wetted Top Width:	61.26	ft
Critical Slope:	0.2254	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S28S–~~32~~ 785

Entellus™

File: T4N-R7W-S28S.dwg Date: 9/13/02



Normal Depth Results

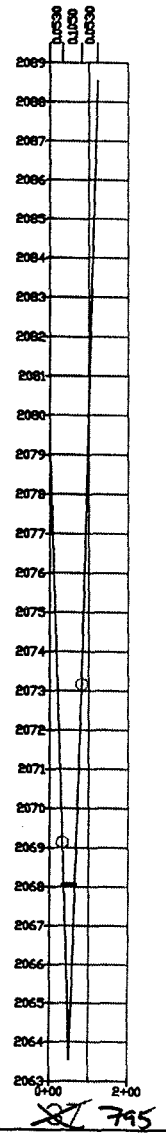
Cross-Section:	790	
Elevation:	2062.35	ft MSL
Depth:	4.21	ft
Discharge:	210.00	cfs
Energy Gradient:	0.0211	ft/ft
Froude Number:	0.2838	
Flow Regime:	Subcritical	
Flow Area:	63.56	sq ft
Average Velocity:	3.31	ft/s
Maximum Velocity:	3.31	ft/s
Composite n:	0.105	
Hydraulic Radius:	2.03	ft
Wetted Perimeter:	31.28	ft
Wetted Top Width:	30.08	ft
Critical Slope:	0.2613	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S28S–790

Entellus™

File: T4N-R7W-S28S.dwg Date: 5/16/02



Normal Depth Results

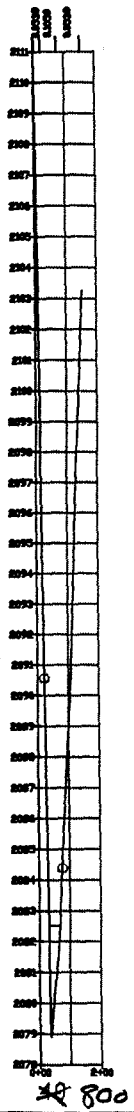
Cross-Section:	~~37~~ 795	
Elevation:	2068.05	ft MSL
Depth:	4.49	ft
Discharge:	210.00	cfs
Energy Gradient:	0.0211	ft/ft
Froude Number:	0.2808	
Flow Regime:	Subcritical	
Flow Area:	62.24	sq ft
Average Velocity:	3.39	ft/s
Maximum Velocity:	3.39	ft/s
Composite n:	0.105	
Hydraulic Radius:	2.11	ft
Wetted Perimeter:	29.54	ft
Wetted Top Width:	28.14	ft
Critical Slope:	0.2654	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S28S–~~87~~ 795

Entellus™

File: T4N-R7W-S28S.dwg Date: 9/15/02



Normal Depth Results

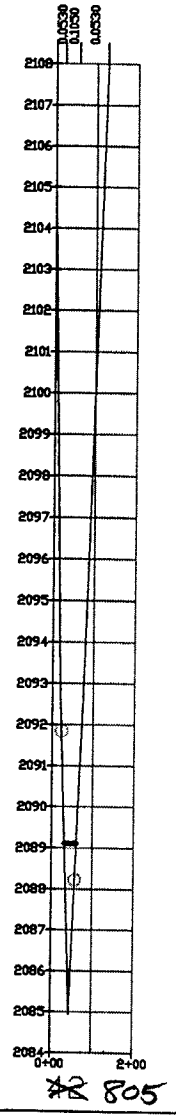
Cross-Section:	~~40~~ 800	
Elevation:	2082.52	ft MSL
Depth:	3.62	ft
Discharge:	210.00	cfs
Energy Gradient:	0.0211	ft/ft
Froude Number:	0.2898	
Flow Regime:	Subcritical	
Flow Area:	67.11	sq ft
Average Velocity:	3.13	ft/s
Maximum Velocity:	3.13	ft/s
Composite n:	0.105	
Hydraulic Radius:	1.87	ft
Wetted Perimeter:	35.85	ft
Wetted Top Width:	34.27	ft
Critical Slope:	0.2508	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S28S–~~40~~ 800

Entellus™

File: T4N-R7W-S28S.dwg Date: 9/13/02



Normal Depth Results

Cross-Section:	~~42~~ 805	
Elevation:	2089.11	ft MSL
Depth:	4.16	ft
Discharge:	210.00	cfs
Energy Gradient:	0.0211	ft/ft
Froude Number:	0.2979	
Flow Regime:	Subcritical	
Flow Area:	60.91	sq ft
Average Velocity:	3.46	ft/s
Maximum Velocity:	3.49	ft/s
Composite n:	0.0996	
Hydraulic Radius:	1.99	ft
Wetted Perimeter:	30.55	ft
Wetted Top Width:	29.38	ft
Critical Slope:	0.2386	ft/ft

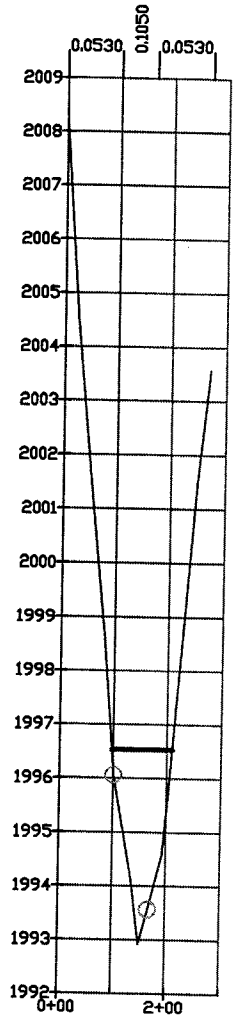
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S28S–~~42~~ 805

Entellus™

File: T4N-R7W-S28S.dwg Date: 9/13/02

T4N-R7W-S28W



~~55~~ 755

Normal Depth Results

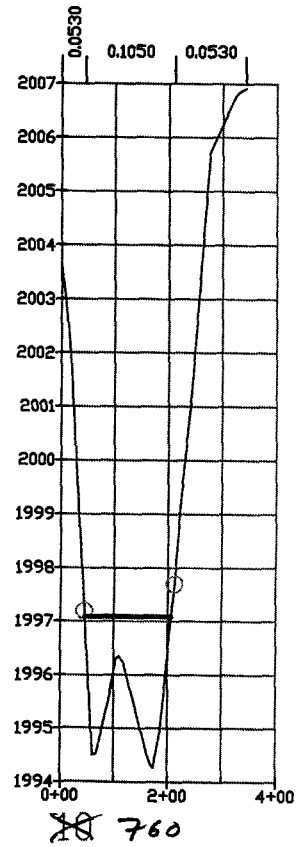
Cross-Section:	~~7~~ 755	
Elevation:	1996.53	ft MSL
Depth:	3.61	ft
Discharge:	1050.00	cfs
Energy Gradient:	0.0224	ft/ft
Froude Number:	0.4234	
Flow Regime:	Subcritical	
Flow Area:	230.06	sq ft
Average Velocity:	4.58	ft/s
Maximum Velocity:	6.41	ft/s
Composite n:	0.0859	
Hydraulic Radius:	2.04	ft
Wetted Perimeter:	112.61	ft
Wetted Top Width:	112.33	ft
Critical Slope:	0.1489	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S28W–~~55~~ 755

Entellus™

File: T4N-R7W-S28W-.dwg, Date: 9/03/02



Normal Depth Results

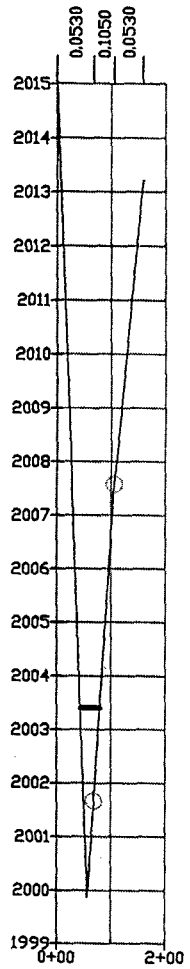
Cross-Section:	~~10~~ 760	
Elevation:	1997.09	ft MSL
Depth:	2.82	ft
Discharge:	820.00	cfs
Energy Gradient:	0.0224	ft/ft
Froude Number:	0.3175	
Flow Regime:	Subcritical	
Flow Area:	271.02	sq ft
Average Velocity:	3.00	ft/s
Maximum Velocity:	3.00	ft/s
Composite n:	0.105	
Hydraulic Radius:	1.68	ft
Wetted Perimeter:	161.16	ft
Wetted Top Width:	160.73	ft
Critical Slope:	0.2255	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S28W–~~10~~ 760

Entellus™

File: T4N-R7W-S28W-.dwg Date: 9/03/02



~~20~~ 765

Normal Depth Results

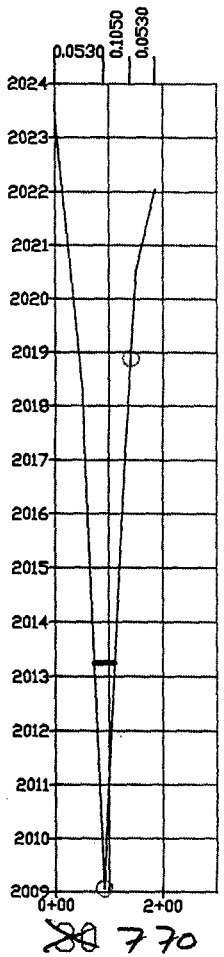
Cross-Section:	~~20~~ 765	
Elevation:	2003.41	ft MSL
Depth:	3.53	ft
Discharge:	390.00	cfs
Energy Gradient:	0.0224	ft/ft
Froude Number:	0.5792	
Flow Regime:	Subcritical	
Flow Area:	63.20	sq ft
Average Velocity:	6.18	ft/s
Maximum Velocity:	6.94	ft/s
Composite n:	0.0708	
Hydraulic Radius:	1.73	ft
Wetted Perimeter:	36.45	ft
Wetted Top Width:	35.71	ft
Critical Slope:	0.1233	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S28W–~~20~~ 765

Entellus™

File: T4N-R7W-S28W.dwg, Date: 9/03/02



Normal Depth Results

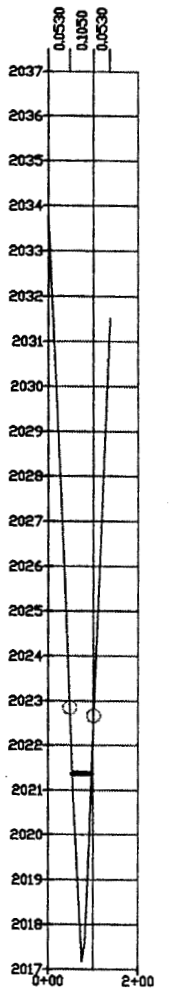
Cross-Section:	~~30~~ 770	
Elevation:	2013.25	ft MSL
Depth:	4.18	ft
Discharge:	390.00	cfs
Energy Gradient:	0.0224	ft/ft
Froude Number:	0.429	
Flow Regime:	Subcritical	
Flow Area:	78.41	sq ft
Average Velocity:	4.99	ft/s
Maximum Velocity:	6.76	ft/s
Composite n:	0.0823	
Hydraulic Radius:	2	ft
Wetted Perimeter:	39.27	ft
Wetted Top Width:	38.36	ft
Critical Slope:	0.1633	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S28W–~~30~~ 770

Entellus™

File: T4N-R7W-S28W.dwg Date: 9/03/02



~~33~~ 775

Normal Depth Results

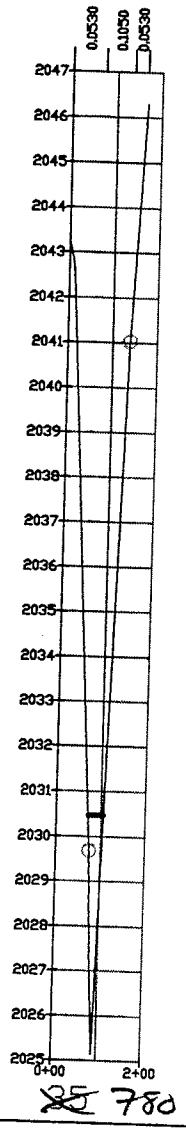
Cross-Section:	~~33~~ 775	
Elevation:	2021.37	ft MSL
Depth:	4.18	ft
Discharge:	390.00	cfs
Energy Gradient:	0.0224	ft/ft
Froude Number:	0.3262	
Flow Regime:	Subcritical	
Flow Area:	103.11	sq ft
Average Velocity:	3.77	ft/s
Maximum Velocity:	3.77	ft/s
Composite n:	0.105	
Hydraulic Radius:	2.37	ft
Wetted Perimeter:	43.54	ft
Wetted Top Width:	42.63	ft
Critical Slope:	0.2114	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S28W–~~33~~ 775

Entellus™

File: T4N-R7W-S28W-.dwg; Date: 9/03/02



Normal Depth Results

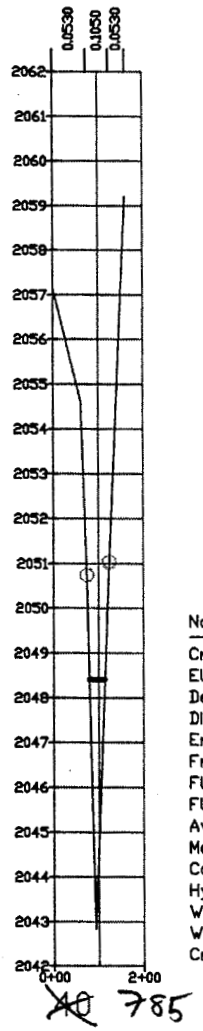
Cross-Section:	~~35~~ 780	
Elevation:	2030.47	ft MSL
Depth:	5.32	ft
Discharge:	390.00	cfs
Energy Gradient:	0.0224	ft/ft
Froude Number:	0.3196	
Flow Regime:	Subcritical	
Flow Area:	93.24	sq ft
Average Velocity:	4.20	ft/s
Maximum Velocity:	4.23	ft/s
Composite n:	0.1001	
Hydraulic Radius:	2.55	ft
Wetted Perimeter:	36.51	ft
Wetted Top Width:	34.87	ft
Critical Slope:	0.2216	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S28W–~~35~~ 780

Entellus™

File: T4N-R7W-S28W-.dwg; Date: 9/03/02



Normal Depth Results

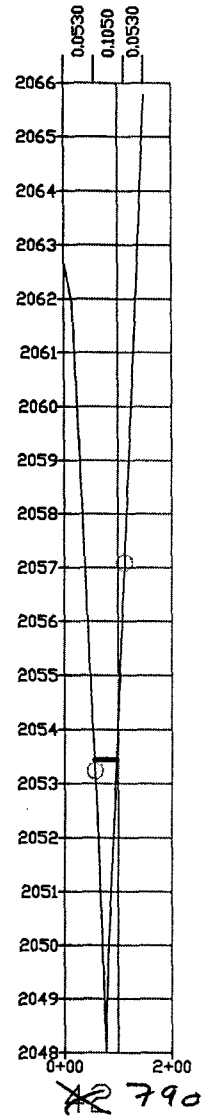
Cross-Section:	~~40~~ 785	
Elevation:	2048.41	ft MSL
Depth:	5.56	ft
Discharge:	390.00	cfs
Energy Gradient:	0.0224	ft/ft
Froude Number:	0.3029	
Flow Regime:	Subcritical	
Flow Area:	96.22	sq ft
Average Velocity:	4.06	ft/s
Maximum Velocity:	4.06	ft/s
Composite n:	0.105	
Hydraulic Radius:	2.64	ft
Wetted Perimeter:	36.41	ft
Wetted Top Width:	34.58	ft
Critical Slope:	0.2433	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S28W–~~40~~ 785

Entellus™

File: T4N-R7W-S28W-.dwg, Date: 9/03/02



Normal Depth Results

Cross-Section:	~~A2~~ 790	
Elevation:	2053.44	ft MSL
Depth:	5.41	ft
Discharge:	390.00	cfs
Energy Gradient:	0.0224	ft/ft
Froude Number:	0.2897	
Flow Regime:	Subcritical	
Flow Area:	102.02	sq ft
Average Velocity:	3.84	ft/s
Maximum Velocity:	3.84	ft/s
Composite n:	0.1039	
Hydraulic Radius:	2.38	ft
Wetted Perimeter:	42.93	ft
Wetted Top Width:	41.49	ft
Critical Slope:	0.2673	ft/ft

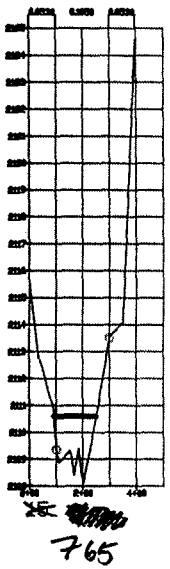
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S28W–~~A2~~ 790

Entellus™

File: T4N-R7W-S28W.dwg; Date: 9/03/02

T4N-R7W-S30



Normal Depth Results

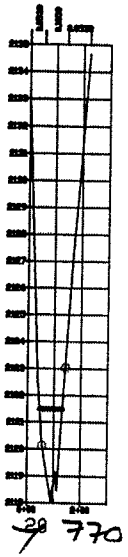
Cross-Section:	~~47~~ 765	
Elevation:	2110.61	ft MSL
Depth:	2.46	ft
Discharge:	640.00	cfs
Energy Gradient:	0.0215	ft/ft
Froude Number:	0.3092	
Flow Regime:	Subcritical	
Flow Area:	232.65	sq ft
Average Velocity:	2.75	ft/s
Maximum Velocity:	2.99	ft/s
Composite n:	0.1024	
Hydraulic Radius:	1.46	ft
Wetted Perimeter:	159.25	ft
Wetted Top Width:	158.99	ft
Critical Slope:	0.2256	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S30–~~15~~ 765

Entellus™

File: T4N-R7W-S30.dwg Date: 9/25/02



Normal Depth Results

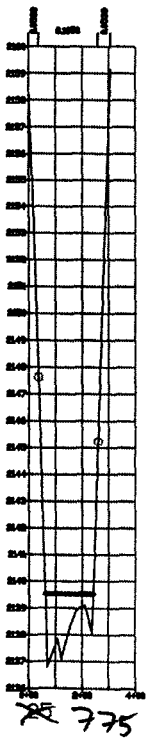
Cross-Section:	~~20~~ 770	
Elevation:	2121.49	ft MSL
Depth:	3.39	ft
Discharge:	640.00	cfs
Energy Gradient:	0.0215	ft/ft
Froude Number:	0.3438	
Flow Regime:	Subcritical	
Flow Area:	178.17	sq ft
Average Velocity:	3.58	ft/s
Maximum Velocity:	3.60	ft/s
Composite n:	0.0996	
Hydraulic Radius:	2.08	ft
Wetted Perimeter:	85.49	ft
Wetted Top Width:	85.03	ft
Critical Slope:	0.1832	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S30–~~20~~ 770

Entellus™

File: T4N-R7W-S30.dwg Date: 9/13/02



Normal Depth Results

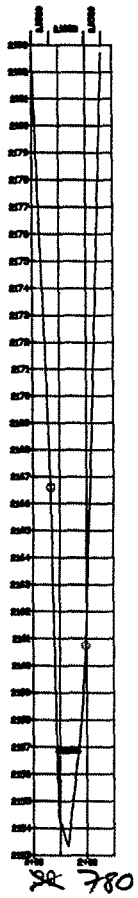
Cross-Section:	~~25~~ 775	
Elevation:	2139.54	ft MSL
Depth:	2.74	ft
Discharge:	640.00	cfs
Energy Gradient:	0.0215	ft/ft
Froude Number:	0.2751	
Flow Regime:	Subcritical	
Flow Area:	247.88	sq ft
Average Velocity:	2.56	ft/s
Maximum Velocity:	2.56	ft/s
Composite n:	0.105	
Hydraulic Radius:	1.37	ft
Wetted Perimeter:	181.22	ft
Wetted Top Width:	180.48	ft
Critical Slope:	0.2881	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S30–~~25~~775

Entellus™

File: T4N-R7W-S30.dwg Date: 9/13/02



Normal Depth Results

Cross-Section:	~~30~~ 780	
Elevation:	2156.86	ft MSL
Depth:	3.50	ft
Discharge:	640.00	cfs
Energy Gradient:	0.0215	ft/ft
Froude Number:	0.3345	
Flow Regime:	Subcritical	
Flow Area:	180.24	sq ft
Average Velocity:	3.56	ft/s
Maximum Velocity:	3.56	ft/s
Composite n:	0.105	
Hydraulic Radius:	2.24	ft
Wetted Perimeter:	80.49	ft
Wetted Top Width:	79.86	ft
Critical Slope:	0.191	ft/ft

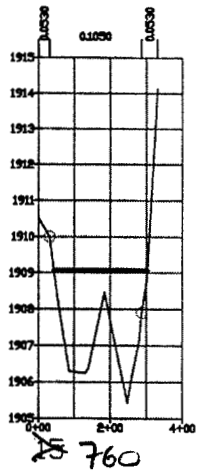
PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S30–~~30~~ 780

Entellus™

File: T4N-R7W-S30.dwg Date: 9/13/02

T4N-R7W-S32



Normal Depth Results

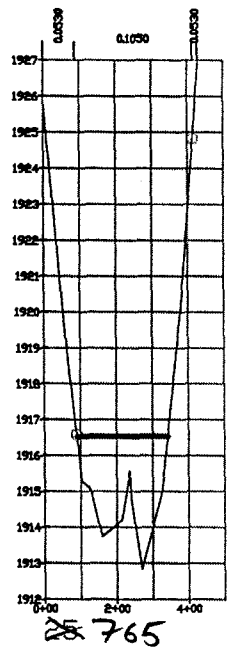
Cross-Section:	~~13~~ 760	
Elevation:	1909.07	ft MSL
Depth:	3.63	ft
Discharge:	1880.00	cfs
Energy Gradient:	0.0228	ft/ft
Froude Number:	0.3286	
Flow Regime:	Subcritical	
Flow Area:	529.61	sq ft
Average Velocity:	3.54	ft/s
Maximum Velocity:	3.55	ft/s
Composite n:	0.1021	
Hydraulic Radius:	2.04	ft
Wetted Perimeter:	260.20	ft
Wetted Top Width:	259.85	ft
Critical Slope:	0.2126	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S32–~~15~~ 760

Entellus™

File: T4N-R7W-S32-.dwg Date: 9/03/02



Normal Depth Results

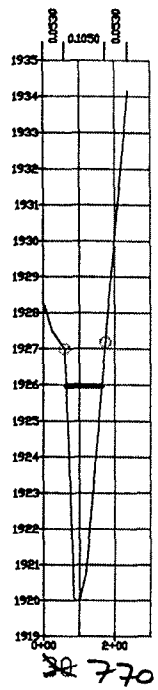
Cross-Section:	~~25~~ 765	
Elevation:	1916.54	ft MSL
Depth:	3.71	ft
Discharge:	1880.00	cfs
Energy Gradient:	0.0228	ft/ft
Froude Number:	0.3216	
Flow Regime:	Subcritical	
Flow Area:	535.01	sq ft
Average Velocity:	3.53	ft/s
Maximum Velocity:	3.53	ft/s
Composite n:	0.105	
Hydraulic Radius:	2.11	ft
Wetted Perimeter:	253.38	ft
Wetted Top Width:	253.00	ft
Critical Slope:	0.2187	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S32–~~25~~ 765

Entellus™

File: T4N-R7W-S32-.dwg; Date: 9/03/02



Normal Depth Results

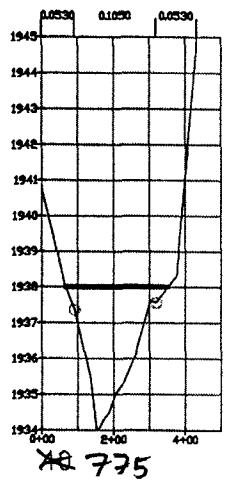
Cross-Section:	~~30~~ 770	
Elevation:	1925.96	ft MSL
Depth:	5.97	ft
Discharge:	1880.00	cfs
Energy Gradient:	0.0228	ft/ft
Froude Number:	0.3681	
Flow Regime:	Subcritical	
Flow Area:	368.41	sq ft
Average Velocity:	5.09	ft/s
Maximum Velocity:	5.09	ft/s
Composite n:	0.105	
Hydraulic Radius:	3.66	ft
Wetted Perimeter:	100.66	ft
Wetted Top Width:	99.52	ft
Critical Slope:	0.1691	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S32–~~30~~ 770

Entellus™

File: T4N-R7W-S32-.dwg Date: 9/03/02



Normal Depth Results

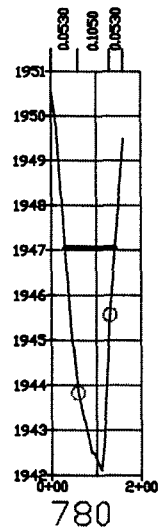
Cross-Section:	~~40~~ 775	
Elevation:	1938.01	ft MSL
Depth:	3.99	ft
Discharge:	1880.00	cfs
Energy Gradient:	0.0228	ft/ft
Froude Number:	0.3173	
Flow Regime:	Subcritical	
Flow Area:	522.91	sq ft
Average Velocity:	3.60	ft/s
Maximum Velocity:	3.65	ft/s
Composite n:	0.0955	
Hydraulic Radius:	1.82	ft
Wetted Perimeter:	286.96	ft
Wetted Top Width:	286.79	ft
Critical Slope:	0.2372	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S32–~~40~~ 775

Entellus™

File: T4N-R7W-S32.dwg Date: 9/03/02



Normal Depth Results

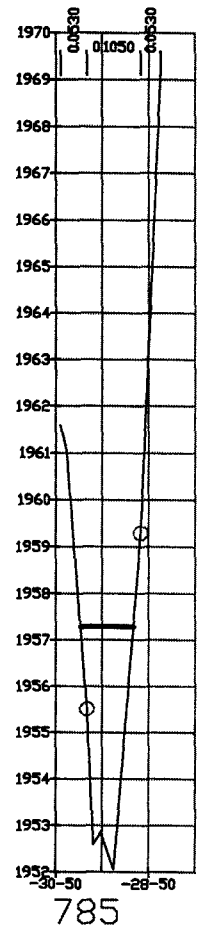
Cross-Section:	780	
Elevation:	1947.05	ft MSL
Depth:	4.93	ft
Discharge:	1880.00	cfs
Energy Gradient:	0.0228	ft/ft
Froude Number:	0.4322	
Flow Regime:	Subcritical	
Flow Area:	345.19	sq ft
Average Velocity:	5.46	ft/s
Maximum Velocity:	6.15	ft/s
Composite n:	0.0881	
Hydraulic Radius:	3.09	ft
Wetted Perimeter:	111.78	ft
Wetted Top Width:	111.13	ft
Critical Slope:	0.1235	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S32–780

Entellus™

File: T4N-R7W-S32-.dwg; Date: 9/03/02



Normal Depth Results

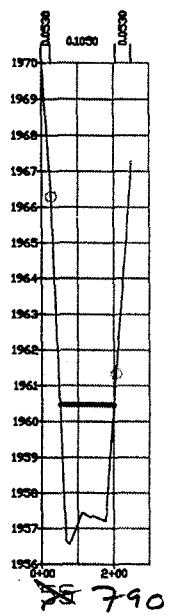
Cross-Section:	785	
Elevation:	1958.19	ft MSL
Depth:	5.22	ft
Discharge:	1880.00	cfs
Energy Gradient:	0.0228	ft/ft
Froude Number:	0.3861	
Flow Regime:	Subcritical	
Flow Area:	375.77	sq ft
Average Velocity:	5.01	ft/s
Maximum Velocity:	5.05	ft/s
Composite n:	0.0993	
Hydraulic Radius:	3.28	ft
Wetted Perimeter:	114.59	ft
Wetted Top Width:	113.83	ft
Critical Slope:	0.1532	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S32–785

Entellus™

File: T4N-R7W-S32-.dwg Date: 9/03/02



Normal Depth Results

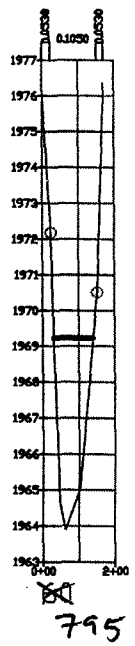
Cross-Section:	~~58~~ 790	
Elevation:	1960.48	ft MSL
Depth:	3.92	ft
Discharge:	1880.00	cfs
Energy Gradient:	0.0228	ft/ft
Froude Number:	0.3865	
Flow Regime:	Subcritical	
Flow Area:	433.28	sq ft
Average Velocity:	4.34	ft/s
Maximum Velocity:	4.34	ft/s
Composite n:	0.105	
Hydraulic Radius:	2.88	ft
Wetted Perimeter:	150.40	ft
Wetted Top Width:	149.75	ft
Critical Slope:	0.1526	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S32–~~58~~ 790

Entellus™

File: T4N-R7W-S32-.dwg, Date: 9/03/02



Normal Depth Results

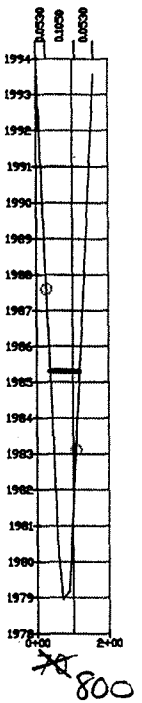
Cross-Section:	~~50~~ 795	
Elevation:	1969.23	ft MSL
Depth:	5.33	ft
Discharge:	1880.00	cfs
Energy Gradient:	0.0228	ft/ft
Froude Number:	0.3752	
Flow Regime:	Subcritical	
Flow Area:	382.51	sq ft
Average Velocity:	4.91	ft/s
Maximum Velocity:	4.91	ft/s
Composite n:	0.105	
Hydraulic Radius:	3.47	ft
Wetted Perimeter:	110.21	ft
Wetted Top Width:	109.31	ft
Critical Slope:	0.1621	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S32–~~80~~ 795

Entellus™

File: T4N-R7W-S32-.dwg; Date: 9/03/02



Normal Depth Results

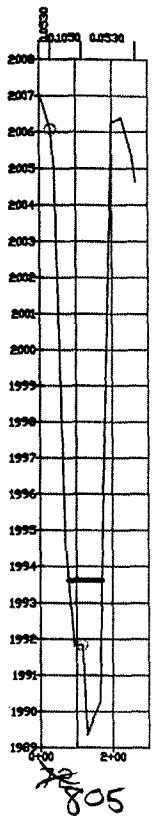
Cross-Section:	~~70~~ 800	
Elevation:	1985.31	ft MSL
Depth:	6.36	ft
Discharge:	1880.00	cfs
Energy Gradient:	0.0228	ft/ft
Froude Number:	0.3996	
Flow Regime:	Subcritical	
Flow Area:	328.87	sq ft
Average Velocity:	5.72	ft/s
Maximum Velocity:	5.76	ft/s
Composite n:	0.099	
Hydraulic Radius:	3.98	ft
Wetted Perimeter:	82.71	ft
Wetted Top Width:	81.40	ft
Critical Slope:	0.1436	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S32–~~70~~ 800

Entellus™

File: T4N-R7W-S32.dwg, Date: 9/03/02



Normal Depth Results

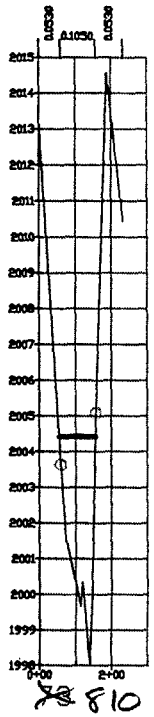
Cross-Section:	~~72~~ 805	
Elevation:	1993.62	ft MSL
Depth:	4.27	ft
Discharge:	1880.00	cfs
Energy Gradient:	0.0228	ft/ft
Froude Number:	0.6745	
Flow Regime:	Subcritical	
Flow Area:	237.79	sq ft
Average Velocity:	7.89	ft/s
Maximum Velocity:	9.39	ft/s
Composite n:	0.076	
Hydraulic Radius:	2.54	ft
Wetted Perimeter:	93.58	ft
Wetted Top Width:	92.40	ft
Critical Slope:	0.1032	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S32–~~72~~ 805

Entellus™

File: T4N-R7W-S32-.dwg Date: 9/03/02



Normal Depth Results

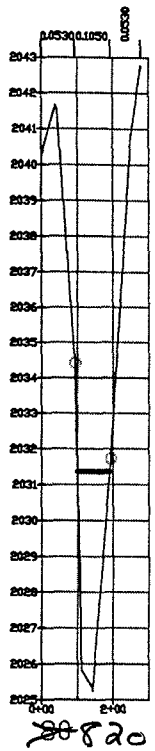
Cross-Section:	~~73~~ 810	
Elevation:	2004.43	ft MSL
Depth:	6.37	ft
Discharge:	1880.00	cfs
Energy Gradient:	0.0228	ft/ft
Froude Number:	0.3585	
Flow Regime:	Subcritical	
Flow Area:	366.35	sq ft
Average Velocity:	5.14	ft/s
Maximum Velocity:	5.16	ft/s
Composite n:	0.1028	
Hydraulic Radius:	3.57	ft
Wetted Perimeter:	102.52	ft
Wetted Top Width:	100.73	ft
Critical Slope:	0.1785	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S32–~~73~~ 810

Entellus™

File: T4N-R7W-S32-.dwg Date: 9/03/02



Normal Depth Results

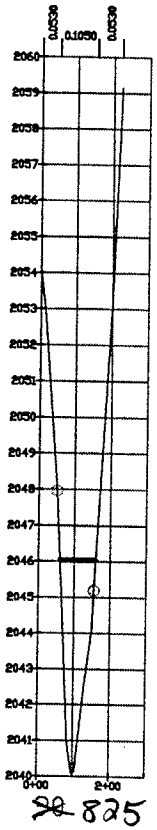
Cross-Section:	~~87~~ 820	
Elevation:	2031.37	ft MSL
Depth:	6.12	ft
Discharge:	1880.00	cfs
Energy Gradient:	0.0228	ft/ft
Froude Number:	0.376	
Flow Regime:	Subcritical	
Flow Area:	356.42	sq ft
Average Velocity:	5.29	ft/s
Maximum Velocity:	5.29	ft/s
Composite n:	0.105	
Hydraulic Radius:	3.88	ft
Wetted Perimeter:	91.86	ft
Wetted Top Width:	90.27	ft
Critical Slope:	0.1602	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S32–~~80~~ 820

Entellus™

File: T4N-R7W-S32-.dwg; Date: 9/03/02



Normal Depth Results

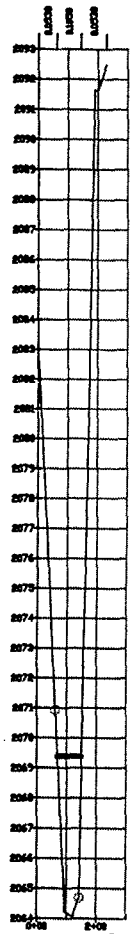
Cross-Section:	~~90~~ 825	
Elevation:	2046.04	ft MSL
Depth:	5.93	ft
Discharge:	1880.00	cfs
Energy Gradient:	0.0228	ft/ft
Froude Number:	0.3741	
Flow Regime:	Subcritical	
Flow Area:	363.82	sq ft
Average Velocity:	5.17	ft/s
Maximum Velocity:	5.19	ft/s
Composite n:	0.1028	
Hydraulic Radius:	3.6	ft
Wetted Perimeter:	100.94	ft
Wetted Top Width:	99.98	ft
Critical Slope:	0.1644	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S32–~~90~~ 825

Entellus™

File: T4N-R7W-S32-.dwg; Date: 9/03/02



Normal Depth Results

Cross-Section:	~~100~~ 830	
Elevation:	2069.39	ft MSL
Depth:	5.32	ft
Discharge:	1880.00	cfs
Energy Gradient:	0.0228	ft/ft
Froude Number:	0.432	
Flow Regime:	Subcritical	
Flow Area:	332.56	sq ft
Average Velocity:	5.65	ft/s
Maximum Velocity:	6.69	ft/s
Composite n:	0.1002	
Hydraulic Radius:	3.99	ft
Wetted Perimeter:	83.44	ft
Wetted Top Width:	81.56	ft
Critical Slope:	0.1226	ft/ft

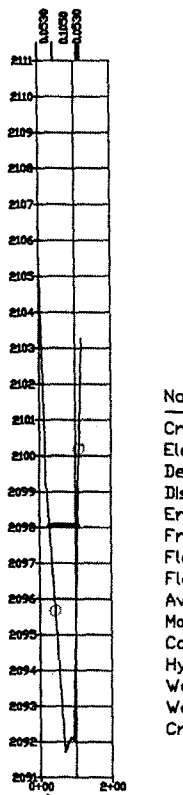
~~100~~ 830

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S32–~~100~~ 830

Entellus™

File: T4N-R7W-S32-.dwg; Date: 9/03/02



~~110~~ 835

Normal Depth Results

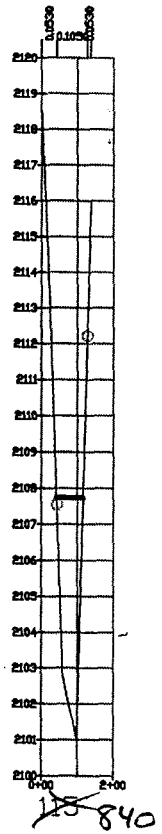
Cross-Section:	~~110~~ 835	
Elevation:	2098.06	ft MSL
Depth:	6.34	ft
Discharge:	1880.00	cfs
Energy Gradient:	0.0228	ft/ft
Froude Number:	0.4133	
Flow Regime:	Subcritical	
Flow Area:	318.56	sq ft
Average Velocity:	5.89	ft/s
Maximum Velocity:	5.97	ft/s
Composite n:	0.096	
Hydraulic Radius:	3.97	ft
Wetted Perimeter:	80.25	ft
Wetted Top Width:	78.36	ft
Critical Slope:	0.1348	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S32–~~110~~ 835

Entellus™

File: T4N-R7W-S32-.dwg; Date: 9/03/02



Normal Depth Results

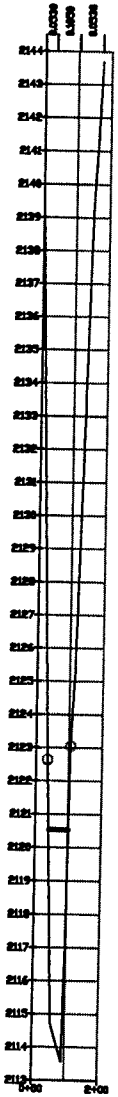
Cross-Section:	~~115~~ 840	
Elevation:	2107.74	ft MSL
Depth:	6.76	ft
Discharge:	1880.00	cfs
Energy Gradient:	0.0228	ft/ft
Froude Number:	0.3892	
Flow Regime:	Subcritical	
Flow Area:	327.54	sq ft
Average Velocity:	5.73	ft/s
Maximum Velocity:	5.74	ft/s
Composite n:	0.1046	
Hydraulic Radius:	4.34	ft
Wetted Perimeter:	75.47	ft
Wetted Top Width:	73.51	ft
Critical Slope:	0.1513	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S32–~~115~~ 840

Entellus™

File: T4N-R7W-S32.dwg Date: 9/03/02



850

Normal Depth Results

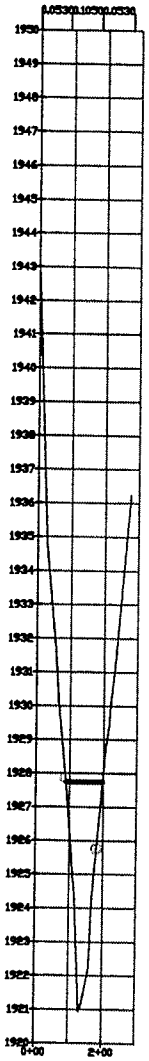
Cross-Section:	850	
Elevation:	2120.54	ft MSL
Depth:	6.98	ft
Discharge:	1880.00	cfs
Energy Gradient:	0.0228	ft/ft
Froude Number:	0.4082	
Flow Regime:	Subcritical	
Flow Area:	307.38	sq ft
Average Velocity:	6.11	ft/s
Maximum Velocity:	6.11	ft/s
Composite n:	0.105	
Hydraulic Radius:	4.82	ft
Wetted Perimeter:	63.79	ft
Wetted Top Width:	60.65	ft
Critical Slope:	0.1369	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S32–850

File: T4N-R7W-S32.dwg Date: 9/03/02

T4N-R7W-S33N



~~20~~ 760

Normal Depth Results

Cross-Section:	~~20~~ 760	
Elevation:	1927.74	ft MSL
Depth:	6.80	ft
Discharge:	1930.00	cfs
Energy Gradient:	0.0196	ft/ft
Froude Number:	0.336	
Flow Regime:	Subcritical	
Flow Area:	388.35	sq ft
Average Velocity:	4.96	ft/s
Maximum Velocity:	5.01	ft/s
Composite n:	0.0979	
Hydraulic Radius:	3.54	ft
Wetted Perimeter:	109.77	ft
Wetted Top Width:	108.67	ft
Critical Slope:	0.1754	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S33N–~~20~~ 760

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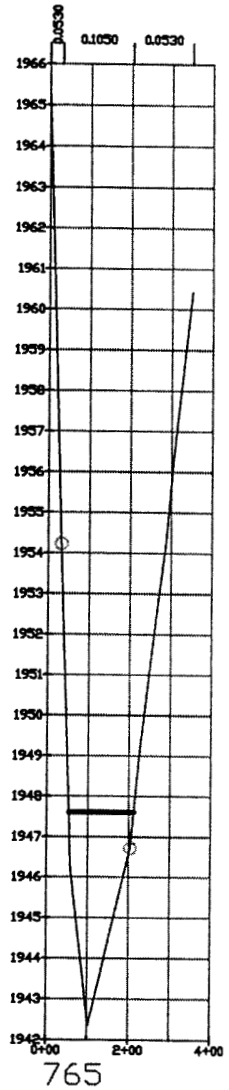
File: T4N-R7W-S33N-.dwg Date: 9/03/02



Normal Depth Results

Cross-Section:	765	
Elevation:	1947.60	ft MSL
Depth:	5.25	ft
Discharge:	1930.00	cfs
Energy Gradient:	0.0196	ft/ft
Froude Number:	0.3203	
Flow Regime:	Subcritical	
Flow Area:	463.47	sq ft
Average Velocity:	4.17	ft/s
Maximum Velocity:	4.19	ft/s
Composite n:	0.1027	
Hydraulic Radius:	2.92	ft
Wetted Perimeter:	158.52	ft
Wetted Top Width:	157.99	ft
Critical Slope:	0.1919	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S33N–765

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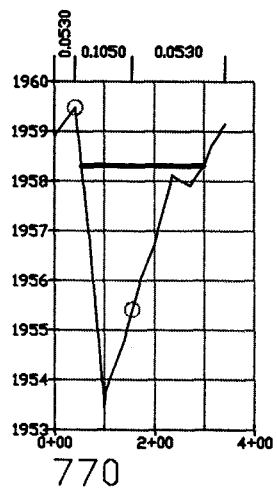
File: T4N-R7W-S33N.dwg Date: 9/03/02



Normal Depth Results

Cross-Section:	770	
Elevation:	1958.31	ft MSL
Depth:	4.87	ft
Discharge:	1930.00	cfs
Energy Gradient:	0.0196	ft/ft
Froude Number:	0.3336	
Flow Regime:	Subcritical	
Flow Area:	462.37	sq ft
Average Velocity:	4.16	ft/s
Maximum Velocity:	4.25	ft/s
Composite n:	0.0767	
Hydraulic Radius:	1.89	ft
Wetted Perimeter:	244.98	ft
Wetted Top Width:	244.62	ft
Critical Slope:	0.178	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S33N–770

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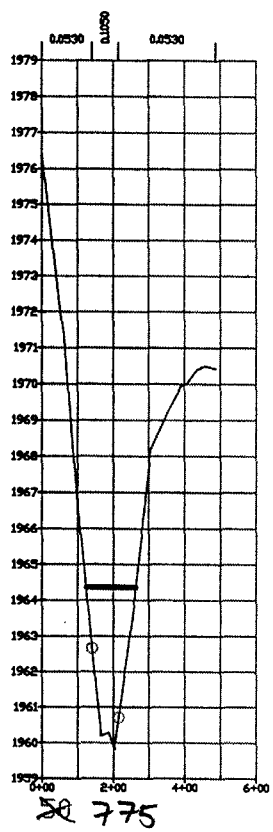
File: T4N-R7W-S33N.dwg Date: 9/03/02



Normal Depth Results

Cross-Section:	~~50~~ 775	
Elevation:	1964.36	ft MSL
Depth:	4.53	ft
Discharge:	1930.00	cfs
Energy Gradient:	0.0196	ft/ft
Froude Number:	0.4158	
Flow Regime:	Subcritical	
Flow Area:	384.24	sq ft
Average Velocity:	5.02	ft/s
Maximum Velocity:	5.98	ft/s
Composite n:	0.0828	
Hydraulic Radius:	2.75	ft
Wetted Perimeter:	139.73	ft
Wetted Top Width:	139.34	ft
Critical Slope:	0.1171	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S33N–~~50~~ 775

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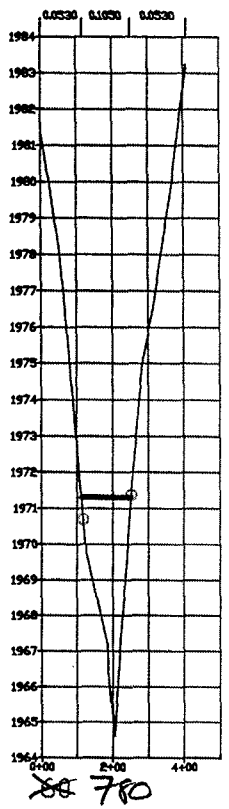
File: T4N-R7W-S33N-.dwg; Date: 9/03/02



Normal Depth Results

Cross-Section:	~~69~~ 780	
Elevation:	1971.31	ft MSL
Depth:	6.69	ft
Discharge:	1930.00	cfs
Energy Gradient:	0.0196	ft/ft
Froude Number:	0.2978	
Flow Regime:	Subcritical	
Flow Area:	441.68	sq ft
Average Velocity:	4.38	ft/s
Maximum Velocity:	4.39	ft/s
Composite n:	0.1032	
Hydraulic Radius:	3.17	ft
Wetted Perimeter:	139.55	ft
Wetted Top Width:	138.64	ft
Critical Slope:	0.2225	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S33N–~~80~~ 780

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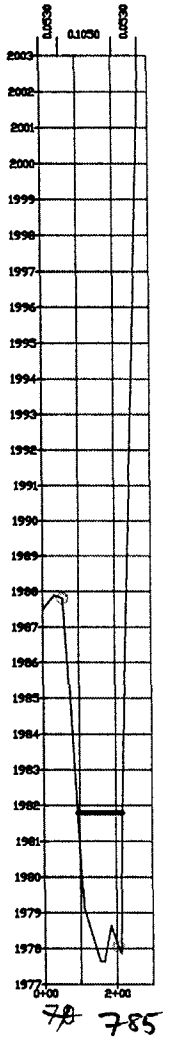
File: T4N-R7W-S33N.dwg; Date: 9/03/02



Normal Depth Results

Cross-Section:	~~70~~ 785	
Elevation:	1981.80	ft MSL
Depth:	4.17	ft
Discharge:	1880.00	cfs
Energy Gradient:	0.0196	ft/ft
Froude Number:	0.4072	
Flow Regime:	Subcritical	
Flow Area:	398.52	sq ft
Average Velocity:	4.71	ft/s
Maximum Velocity:	7.79	ft/s
Composite n:	0.0994	
Hydraulic Radius:	3.17	ft
Wetted Perimeter:	125.64	ft
Wetted Top Width:	124.23	ft
Critical Slope:	0.1282	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S33N–~~70~~ 785

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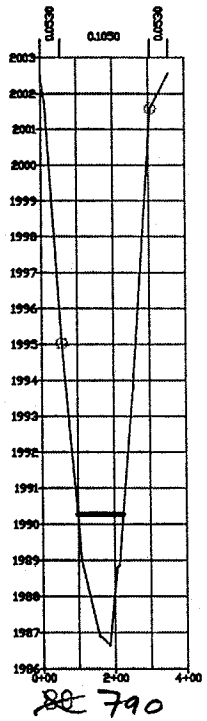
File: T4N-R7W-S33N.dwg, Date: 9/03/02



Normal Depth Results

Cross-Section:	~~80~~ 790	
Elevation:	1990.28	ft MSL
Depth:	3.64	ft
Discharge:	1080.00	cfs
Energy Gradient:	0.0224	ft/ft
Froude Number:	0.3429	
Flow Regime:	Subcritical	
Flow Area:	291.07	sq ft
Average Velocity:	3.70	ft/s
Maximum Velocity:	3.70	ft/s
Composite n:	0.105	
Hydraulic Radius:	2.3	ft
Wetted Perimeter:	126.47	ft
Wetted Top Width:	126.14	ft
Critical Slope:	0.1913	ft/ft

PALO VERDE WATERSHED ZONE A FLOODPLAIN DELINEATION STUDY: FCD 2000C021

Figure E2 – Wash: T4N–R7W–S33N–~~80~~ 790

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File: T4N-R7W-S33N-.dwg Date: 9/03/02