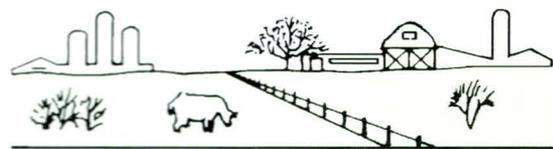
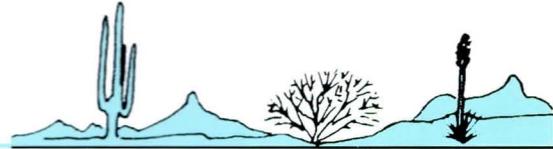
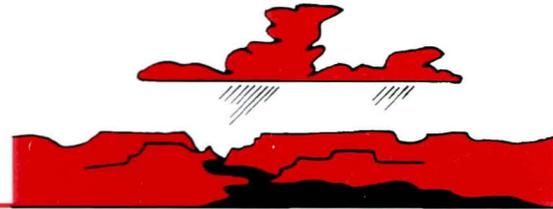


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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

Stormwater Quality Report
City of Mesa, Arizona

January 1, 2002 - March 31, 2002

April 10, 2002

FLOOD CONTROL
DISTRICT
OF
MARICOPA
COUNTY

Stormwater Quality Report

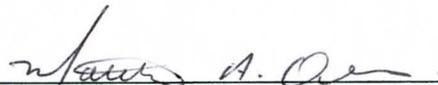
January 1, 2002 through March 31, 2002

For
City of Mesa, Arizona

April 10, 2002

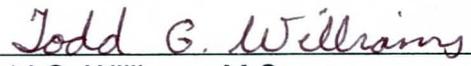
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Prepared by:



Matthew A. Oller
Water Quality Hydrologist

Reviewed by:



Todd G. Williams, M.Sc.
Water Quality Branch Manager

Stormwater Quality Report
City of Mesa, Arizona

January 1, 2002 - March 31, 2002

April 10, 2002

Introduction

The Flood Control District of Maricopa County operates and maintains five land based stormwater monitoring stations for the City of Mesa for compliance with their National Pollutant Discharge Elimination System (NPDES) stormwater discharge permit.

This report details stormwater sampling and equipment upkeep for the five Mesa stations for the period from January 1, 2002 through March 31, 2002.

During storm events, only representative storm events are sampled. A representative storm event has occurred when the following criteria have been met and there has been no rainfall greater than 0.10 inches within the previous 72 hours.

MESA	RAINFALL	DURATION
SUMMER (July – September)	0.24 – 0.72 INCHES	2.4 – 7.2 HOURS
WINTER (October – March)	0.22 – 0.66 INCHES	5.9 – 17.7 HOURS

Storm duration is defined as the time period from start to end of a sustained rainfall. Sustained rainfall is defined as rainfall that continues without a gap of greater than 150 consecutive minutes. If a gap greater than 150 consecutive minutes occurs, then the rainfall is considered to be from a separate storm event.

Summer months are July through September and winter months are October through March.

Representative Storm Event Summaries

This is a summary of representative storm events that occurred during the 3rd quarter of the 2002 sample year. No representative storm event occurred during this period. Flood Control District staff did respond to a storm on March 7th - 8th grab samples were taken and later dumped, because the storm event was not representative.

Table 1 on the next page of this report, is storm events with rainfall greater than 0.22 inches of rain, The City of Mesa's minimum winter rainfall criteria. Table 1 also specifies reasons why samples were not collected and/or analyzed.

**TABLE 1: JANUARY 1, 2002 – MARCH 31, 2002
SUMMARY OF MESA STORM EVENTS
WITH RAINFALL > 0.22 INCHES**

SITE	DATE	RAIN (inches)	REASONS NOT SAMPLED
NONE	NA	NA	NA

Operations and Maintenance

Equipment repairs, replacement, and cleaning are detailed in the Maintenance Summary section of this report.

Maintenance Summary

This section details maintenance activities and problems that occurred from January 1, 2002 through March 31, 2002. All water quality samplers are ISCO 6712 FR refrigerated samplers.

Mesa 1: SIXTH

January 15th, 22nd, 29th, February 7th, 13th, and March 7th – The sample station program, temperature of refrigerator, and site were checked.

January 29th - Parts were changed out from Mesa site 5 (Dobson and Broadway) per Scott, City of Mesa.

February 20th and March 7th – A problem with the program was found and corrections were taken. The station was back in service the same day.

Mesa 2: LINDSAY

January 15th, 22nd, 29th, February 7th, 13th, 20th, and March 7th – The sample station program, temperature of refrigerator, and site were checked.

This station had no problems with programming during this quarter.

Mesa 3: FALCON FIELD

January 15th, 22nd, 29th, February 7th, 13th, 20th, and March 7th – The sample station program, temperature of refrigerator, and site were checked and adjusted accordingly.

This station had no problems with programming during this quarter.

Mesa 4: GRANDVIEW

January 15th, 22nd, 29th, February 7th, 13th, 20th, and March 7th – The sample station program, temperature of refrigerator, and site were checked and adjusted accordingly.

January 29th – A service call found the sample stations electricity off, the FCD staff had to retrofit station housing to reset the electrical power to the electrical outlet within the station. The station was back in service the same day.

March 13th – A lock was broken off the station housing this was secured and repaired on March 14th. The City of Mesa ordered additional locks.

March 14th - All sampler tubing was cleaned.

Mesa 5: DOBSON

January 15th, 22nd, 29th, February 7th, 13th, 20th, and March 7th – The sample station program, temperature of refrigerator, and site were checked and adjusted accordingly.

This station had no problems with programming during this quarter.

March 7th – A station check noted that the refrigerated ISCO sampler had developed mold within the unit. The unit will be disinfected and cleaned prior to July 1st, 2002.

Data compiled for January through March 2002

The remainder of this report contains data. The following data are included:

- Rainfall tables for five Mesa NPDES rain gages.
- Rainfall tables for FCD ALERT rain gages.
- Operation and maintenance and storm event log sheets.

STORM WATER QUALITY RAINFALL GAGES

City of Mesa Gaged Rainfall (In.)													
Mesa Site 1:	Water Quality Rain Gage												
Location	Sixth and Horne												
	July 2001	August 2001	September 2001	October 2001	November 2001	December 2001	January 2002	February 2002	March 2002	April 2002	May 2002	June 2002	
1													
2													
3													
4						0.84							
5					0.08								
6				0.07									
7				0.07				0.07					
8								0.05					
9		0.23											
10							0.05						
11						0.08							
12													
13													
14	0.01												
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25	0.01												
26													
27													
28													
29	0.93												
30	0.12	0.12					0.06						
31													
Month Total	1.07	0.35	0.00	0.14	0.08	0.92	0.11	0.00	0.12	0.00	0.00	0.00	

xxx = No data, gage down

**City of Mesa
Gaged
Rainfall (In.)**



Mesa Site 2: Water Quality Rain Gage													
Location		Broadway and Lindsay											
	July 2001	August 2001	September 2001	October 2001	November 2001	December 2001	January 2002	February 2002	March 2002	April 2002	May 2002	June 2002	
1													
2	0.01												
3													
4				0.01		0.82							
5			0.01		0.04								
6				0.11									
7								0.07					
8	0.02							0.05					
9		0.20											
10	0.02												
11						0.07							
12													
13													
14			0.01										
15						0.04							
16													
17													
18													
19													
20													
21		0.01											
22													
23													
24													
25													
26			0.01										
27													
28													
29	0.68												
30	0.16	0.12					0.04						
31													
Month Total	0.89	0.33	0.03	0.12	0.04	0.93	0.04	0.00	0.12	0.00	0.00	0.00	

City of Mesa Gaged Rainfall (In.)													
Mesa Site 3:		Water Quality Rain Gage											
Location		Falcon Field											
		July 2001	August 2001	September 2001	October 2001	November 2001	December 2001	January 2002	February 2002	March 2002	April 2002	May 2002	June 2002
1	xxx												
2	xxx												
3	xxx												
4	xxx						0.90						
5	xxx												
6	xxx				0.09								
7	xxx								0.05				
8	xxx								0.02				
9	xxx	0.34											
10	xxx												
11	xxx						0.08						
12	xxx	0.01											
13	xxx												
14	xxx			0.01									
15	xxx						0.04						
16	xxx												
17	xxx	0.02											
18	xxx												
19	xxx												
20	xxx												
21	xxx												
22	xxx												
23	xxx												
24	xxx												
25	xxx	0.07											
26	xxx												
27	xxx												
28	xxx												
29	xxx												
30	xxx	0.08						0.14					
31	xxx												
Month Total		0.00	0.52	0.01	0.09	0.00	1.02	0.14	0.00	0.07	0.00	0.00	0.00

xxx = No data, gage down

**City of Mesa
Gaged
Rainfall (In.)**



Mesa Site 4:		Water Quality Rain Gage										
Location		Horne and Grandview										
	July 2001	August 2001	September 2001	October 2001	November 2001	December 2001	January 2002	February 2002	March 2002	April 2002	May 2002	June 2002
1				0.01								
2			0.01									
3	0.01											
4				0.01		0.51						
5	0.28				0.08							
6	0.02			0.07								
7	0.01			0.12					0.15			
8	0.03								0.04			
9		0.26	0.01									
10		0.03					0.14					
11						0.08						
12												
13												
14	0.14											
15												
16												
17												
18												
19												
20												
21												
22												
23		0.01	0.01									
24			0.01									
25		0.03										
26												
27		0.01										
28												
29	0.94											
30	0.17	0.18					0.05					
31		0.02										
Month Total	1.60	0.54	0.04	0.21	0.08	0.59	0.19	0.00	0.19	0.00	0.00	0.00

City of Mesa Gaged Rainfall (in.)													
Mesa Site 5:	Water Quality Rain Gage												
Location	Broadway and Dobson												
	July 2001	August 2001	September 2001	October 2001	November 2001	December 2001	January 2002	February 2002	March 2002	April 2002	May 2002	June 2002	
1													
2		0.01											
3		0.02											
4						0.51							
5					0.08								
6				0.05									
7									Not Downloaded				
8													
9		0.35											
10													
11						0.16							
12													
13	0.02												
14													
15													
16	0.01												
17	0.02												
18	0.01												
19	0.01												
20	0.01												
21													
22													
23													
24													
25		0.02											
26													
27		0.01											
28													
29	0.03	0.07											
30	0.97	0.01					0.06						
31													
Month Total	1.08	0.49	0.00	0.05	0.08	0.67	0.06	0.00	0.00	0.00	0.00	0.00	

xxx = No data, gage down

**FLOOD CONTROL DISTRICT
A.L.E.R.T GAGES**

City of Mesa Gaged Rainfall (In.)													
Gage Number	4545												
Location	Brown Road and Horne												
	July 2001	August 2001	September 2001	October 2001	November 2001	December 2001	January 2002	February 2002	March 2002	April 2002	May 2002	June 2002	
1	xxx	xxx											
2	xxx	xxx											
3	xxx	xxx											
4	xxx	xxx				0.63							
5	xxx	xxx			0.08								
6	xxx			0.04									
7	xxx			0.12					0.12				
8	xxx								0.04				
9	xxx	0.24											
10	xxx						0.12						
11	xxx					0.08							
12	xxx												
13	xxx												
14	xxx												
15	xxx												
16	xxx								xxx				
17	xxx								xxx				
18	xxx								xxx				
19	xxx								xxx				
20	xxx												
21	xxx												
22	xxx												
23	xxx												
24	xxx												
25	xxx												
26	xxx												
27	xxx												
28	xxx												
29	xxx												
30	xxx	0.16					0.04						
31	xxx												
Month Total	0.00	0.40	0.00	0.16	0.08	0.71	0.16	0.00	0.16	0.00	0.00	0.00	

xxx = No data, gage down

City of Mesa Gaged Rainfall (In.)												
Gage Number	6545											
Location	Broadway and Lindsay											
	July 2001	August 2001	September 2001	October 2001	November 2001	December 2001	January 2002	February 2002	March 2002	April 2002	May 2002	June 2002
1	xxx	xxx										
2	xxx	xxx										
3	xxx	xxx										
4	xxx	xxx				0.83						
5	xxx	xxx			0.04							
6	xxx	xxx		0.12								
7	xxx	xxx						0.08				
8	xxx	xxx						0.04				
9	xxx	xxx										
10	xxx	xxx										
11	xxx	xxx				0.08						
12	xxx											
13	xxx											
14	xxx											
15	xxx					0.04						
16	xxx											
17	xxx											
18	xxx											
19	xxx											
20	xxx											
21	xxx											
22	xxx											
23	xxx											
24	xxx											
25	xxx											
26	xxx											
27	xxx											
28	xxx											
29	xxx											
30	xxx	0.12					0.04					
31	xxx											
Month Total	0.00	0.12	0.00	0.12	0.04	0.95	0.04	0.00	0.12	0.00	0.00	0.00

xxx = No data, gage down

City of Mesa Gaged Rainfall (In.)													
Gage Number	4555												
Location	Falcon Field												
	July 2001	August 2001	September 2001	October 2001	November 2001	December 2001	January 2002	February 2002	March 2002	April 2002	May 2002	June 2002	
1	xxx	xxx											
2	xxx	xxx											
3	xxx	xxx											
4	xxx	xxx				0.83							
5	xxx	xxx											
6	xxx	xxx		0.08									
7	xxx	xxx						0.04					
8	xxx	xxx						0.04					
9	xxx	xxx											
10	xxx	xxx											
11	xxx	xxx				0.08							
12	xxx	xxx											
13	xxx	xxx											
14	xxx	xxx											
15	xxx	xxx				0.04							
16	xxx	xxx											
17	xxx	xxx											
18	xxx	xxx											
19	xxx	xxx											
20	xxx	xxx											
21	xxx	xxx											
22	xxx												
23	xxx												
24	xxx												
25	xxx												
26	xxx												
27	xxx												
28	xxx												
29	xxx												
30	xxx	0.04					0.12						
31	xxx												
Month Total	0.00	0.04	0.00	0.08	0.00	0.95	0.12	0.00	0.08	0.00	0.00	0.00	

xxx = No data, gage down

City of Mesa Gaged Rainfall (In.)													
Gage Number	4545												
Location	Brown Road and Horne												
	July 2001	August 2001	September 2001	October 2001	November 2001	December 2001	January 2002	February 2002	March 2002	April 2002	May 2002	June 2002	
1	xxx	xxx											
2	xxx	xxx											
3	xxx	xxx											
4	xxx	xxx				0.63							
5	xxx	xxx			0.08								
6	xxx			0.04									
7	xxx			0.12					0.12				
8	xxx								0.04				
9	xxx	0.24											
10	xxx						0.12						
11	xxx					0.08							
12	xxx												
13	xxx												
14	xxx												
15	xxx												
16	xxx								xxx				
17	xxx								xxx				
18	xxx								xxx				
19	xxx								xxx				
20	xxx												
21	xxx												
22	xxx												
23	xxx												
24	xxx												
25	xxx												
26	xxx												
27	xxx												
28	xxx												
29	xxx												
30	xxx	0.16					0.04						
31	xxx												
Month Total	0.00	0.40	0.00	0.16	0.08	0.71	0.16	0.00	0.16	0.00	0.00	0.00	

xxx = No data, gage down

City of Mesa Gaged Rainfall (in.)													
Gage Number	4535												
Location	Broadway and Dobson												
	July 2001	August 2001	September 2001	October 2001	November 2001	December 2001	January 2002	February 2002	March 2002	April 2002	May 2002	June 2002	
1	xxx	xxx											
2	xxx	xxx											
3	xxx	xxx											
4	xxx	xxx				0.55							
5	xxx	xxx			0.08								
6	xxx	xxx		0.04									
7	xxx	xxx						0.16					
8	xxx	xxx											
9	xxx	0.31											
10	xxx						0.20						
11	xxx					0.16							
12	xxx												
13	xxx												
14	xxx												
15	xxx												
16	xxx												
17	xxx												
18	xxx												
19	xxx												
20	xxx												
21	xxx												
22	xxx												
23	xxx												
24	xxx												
25	xxx												
26	xxx												
27	xxx												
28	xxx												
29	xxx												
30	xxx						0.08						
31	xxx												
Month Total	0.00	0.31	0.00	0.04	0.08	0.71	0.28	0.00	0.16	0.00	0.00	0.00	

xxx = No data, gage down

Operation and maintenance and storm event log sheets

Mesa 1 – Horne & Sixth

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE: <i>6th ST & Horne</i>		DATE: <i>01-15-02</i>	
ARRIVAL TIME: <i>1018</i>	DEPARTURE TIME: <i>1025</i>	SERVICED BY: <i>(Puh) (Krao)</i>	
SAMPLER: SIGMA	900	STATION CONDITION:	
SAMPLER: <i>(ISCO)</i>	6712	STATION CONDITION: <i>Good</i>	

ENTRY MADE STATION LOG BOOK: *(Y) N*

STATION DATA COPIED: *(Y) N*

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS

Restart program.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE <i>644 STO Horne</i>		DATE <i>01-22-02</i>	
ARRIVAL TIME <i>1252</i>	DEPARTURE TIME <i>1255</i>	SERVICED BY <i>(Signature)</i>	
SAMPLER SIGMA 900		STATION CONDITION: <i>(Blank)</i>	
SAMPLER <i>(Circle) ISCO</i> 6712		STATION CONDITION: <i>cool</i>	

ENTRY MADE STATION LOG BOOK Y / N

STATION DATA COPIED: Y N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *check station, temp good.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	6 th St & Horne		DATE	01-29-02
ARRIVAL TIME	0842	DEPARTURE TIME	0845	SERVICED BY <i>(Signature)</i>
SAMPLER	SIGMA	900	STATION CONDITION:	
SAMPLER	<u>ISCO</u>	6712	STATION CONDITION: <i>Good</i>	

ENTRY MADE STATION LOG BOOK: Y / N

STATION DATA COPIED: Y / N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS

Check site, program running. Ready.

Part changed out with 6th & Horne / Bradbury & Johnson per Scott.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	6 th St & Horne		DATE	02-07-02
ARRIVAL TIME	0749	DEPARTURE TIME	0753	SERVICED BY <i>PCW</i>
SAMPLER	SIGMA	900	STATION CONDITION:	
SAMPLER	<u>ISCO</u>	6712	STATION CONDITION: <i>Good</i>	

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *check station, time & date*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	6 th ST & Horne		DATE	02/13/02
ARRIVAL TIME	0757	DEPARTURE TIME	0800	SERVICED BY <i>Green</i>
SAMPLER	SIGMA	900	STATION CONDITION:	
SAMPLER	<i>ISCO</i>	6712	STATION CONDITION: <i>good</i>	

ENTRY MADE STATION LOG BOOK: Y N

STATION DATA COPIED: Y N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *check station, time and date.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	6 th St + Horne		DATE	02-20-02
ARRIVAL TIME	0822	DEPARTURE TIME	0835	SERVICED BY <i>(Signature)</i>
SAMPLER	SIGMA	900	STATION CONDITION:	
SAMPLER	<i>(Signature)</i>	6712	STATION CONDITION: <i>OK</i>	

ENTRY MADE STATION LOG BOOK: Y / N

STATION DATA COPIED: Y / N	CHECKED/ SERVICED/ CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES/ACTIONS *Found problem with program, could not start & Review,
Shut off, then restart, program came back up.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	6 th ST & Hoine		DATE	03-07-02
ARRIVAL TIME	0735	DEPARTURE TIME	0745	SERVICED BY <i>(Signature)</i>
SAMPLER	SIGMA	900	STATION CONDITION:	
SAMPLER	ISCO	6712	STATION CONDITION:	Not working

ENTRY MADE STATION LOG BOOK: Y / N

STATION DATA COPIED: Y / N	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *Module removed, program not coming up.*
Standard program should run, but after reviewing program,
sample 1 comes up, after flash of program running.
Tried 5 times to restart. Leave on with reading of
sample 1. After 3 pulses, shut off, turn back on sample reading.

STORM EVENT LOG SHEET

1. Site: 6th HORNE

Your Name: SUTTON, OILER

2. Date: 3/8/02

Time: 1:10A

SAMPLER PARAMETERS

3. Rainfall: _____ in

4. Flow: _____ cfs

5. Level: _____ in

6. Velocity: _____ ft/sec

O&M PARAMETERS

7. Did sampling equipment operate during event? Yes or No? Describe problems.

8. Battery voltage: _____ volts

9. Power On or Off? If power off (Mesa), reset circuit breaker and check/replace fuse if necessary.

FIELD PARAMETERS

10. Discharge (flow) at time of grabs _____ cfs

11. pH 9.3 _____ su

12. Temperature 16 _____ deg. C

GRAB SAMPLES Take grabs from discharge only!

13. Grab samples taken? Yes or No?

14. Preservatives added to bottles? Yes or No?

Mesa 2 – Broadway & Lindsay

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE <i>D Roadway & Lindsay</i>		DATE <i>01-15-02</i>	
ARRIVAL TIME <i>0935</i>	DEPARTURE TIME <i>0940</i>	SERVICED BY <i>(Paw) (Mac)</i>	
SAMPLER	SIGMA 900	STATION CONDITION:	
SAMPLER	<i>(ISCO)</i> 6712	STATION CONDITION: <i>Good</i>	

ENTRY MADE STATION LOG BOOK: *(Y) N*

STATION DATA COPIED *(Y) N* *Done*

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS

Restart program.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE <i>Broadway & Lindsay</i>		DATE <i>01-22-02</i>	
ARRIVAL TIME <i>1:39</i>	DEPARTURE TIME <i>1:44</i>	SERVICED BY <i>[Signature]</i>	
SAMPLER	SIGMA 900	STATION CONDITION:	
SAMPLER	<i>ISCO</i> 6712	<i>Good</i>	

ENTRY MADE STATION LOG BOOK: *Y* / N

STATION DATA COPIED: *Y* / N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *check stations for temp down a couple of degrees*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE <i>Lindsay Roadway</i>		DATE <i>01-29-02</i>	
ARRIVAL TIME <i>0947</i>	DEPARTURE TIME <i>0946</i>	SERVICED BY <i>(Jen)</i>	
SAMPLER	SIGMA 900	STATION CONDITION:	
SAMPLER	<i>(ISCO)</i> 6712	STATION CONDITION: <i>Good</i>	

ENTRY MADE STATION LOG BOOK: Y / N

STATION DATA COPIED: Y / N	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *Check Station, Program running. Funnel clear. Leave alone.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Broadway & Lindsay		DATE	02-07-06
ARRIVAL TIME	0831	DEPARTURE TIME	0835	SERVICED BY <i>(Signature)</i>
SAMPLER	SIGMA	900	STATION CONDITION:	
SAMPLER	ISCO	6712	STATION CONDITION: <i>good</i>	

ENTRY MADE STATION LOG BOOK: Y / N

STATION DATA COPIED: Y / N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *check site, time & date funnel okay.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Broadway & Lindsay		DATE	02/13/02
ARRIVAL TIME	0720	DEPARTURE TIME	0723	SERVICED BY: <i>(Signature)</i>
SAMPLER	SIGMA	900	STATION CONDITION:	
SAMPLER	ISCO	6712	STATION CONDITION: <i>Good</i>	

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y N

	CHECKED/ SERVICED/ CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *Check station, funnel, date and time, correct.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE <i>B Roadway + Lind Say</i>		DATE <i>02-20-02</i>	
ARRIVAL TIME <i>0738</i>	DEPARTURE TIME <i>0745</i>	SERVICED BY <i>Reed</i>	
SAMPLER	SIGMA 900	STATION CONDITION:	
SAMPLER	<i>ISCO</i> 6712	STATION CONDITION: <i>Good</i>	

ENTRY MADE STATION LOG BOOK: *Y* / N

STATION DATA COPIED: Y *(N)*

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *check Station Funnel, date and time.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE <i>Broadway & 1st 5th St</i>		DATE <i>03-07-02</i>	
ARRIVAL TIME <i>0818</i>	DEPARTURE TIME <i>0822</i>	SERVICED BY <i>Kear</i>	
SAMPLER	SIGMA 900	STATION CONDITION:	
SAMPLER	<i>ISCO</i> 6712	STATION CONDITION: <i>Good</i>	

ENTRY MADE STATION LOG BOOK: *(Y)* N

STATION DATA COPIED: Y *(N)*

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES/ACTIONS

check site, program on time.

Mesa 3 – Falcon Field

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Falcon Field		DATE	01-15-02	
ARRIVAL TIME	0952	DEPARTURE TIME	0956	SERVICED BY	(Pum) (Mae)
SAMPLER	SIGMA	900	STATION CONDITION:		
SAMPLER	(ISCO)	6712	STATION CONDITION: good		

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <i>Phone</i>	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *Restart program*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Falcon Field		DATE	01-22-02
ARRIVAL TIME	1:19	DEPARTURE TIME	1:24	SERVICED BY <i>(Signature)</i>
SAMPLER	SIGMA	900	STATION CONDITION:	
SAMPLER	ISCO	6712	STATION CONDITION: <i>Good</i>	

ENTRY MADE STATION LOG BOOK: Y N

STATION DATA COPIED: Y N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *Check station, turn temp up a couple of degrees,*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Falcon Field		DATE	01-29-02	
ARRIVAL TIME	0923	DEPARTURE TIME	0926	SERVICED BY	Glen
SAMPLER	SIGMA	900	STATION CONDITION:		
SAMPLER	ISCO	6712	STATION CONDITION: Good		

ENTRY MADE STATION LOG BOOK: Y / N

STATION DATA COPIED: Y / N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *Program running, leave alone. Funnel clear.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Falcon Field		DATE	02-07-02	
ARRIVAL TIME	0813	DEPARTURE TIME	0816	SERVICED BY	<i>[Signature]</i>
SAMPLER	SIGMA	900	STATION CONDITION:		
SAMPLER	ISCO	6712	STATION CONDITION: <i>Good</i>		

ENTRY MADE STATION LOG BOOK: Y N

STATION DATA COPIED: Y N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	voltage
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS

Check station, time & date. funnel okay

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Falcon Field		DATE	02/13/02
ARRIVAL TIME	0734	DEPARTURE TIME	0738	SERVICED BY <i>Allen</i>
SAMPLER	SIGMA	900	STATION CONDITION:	
SAMPLER	<i>ISCO</i>	6712	STATION CONDITION: <i>good</i>	

ENTRY MADE STATION LOG BOOK: Y N

STATION DATA COPIED: Y <input checked="" type="radio"/> N	CHECKED/ SERVICED/ CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *check station, tunnel, time and date. Door lock okay.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Falcona Field		DATE	02-20-02
ARRIVAL TIME	0751	DEPARTURE TIME	SERVICED BY <i>(signature)</i>	
SAMPLER	SIGMA	900	STATION CONDITION:	
SAMPLER	ISCO	6712	STATION CONDITION: <i>Good</i>	

ENTRY MADE STATION LOG BOOK: Y / N

STATION DATA COPIED: Y N

	CHECKED/ SERVICED/ CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *check station, funnel, time and date. Drain & clear*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Falcon Field		DATE	03-07-02
ARRIVAL TIME	0800	DEPARTURE TIME	0805	SERVICED BY <i>(Signature)</i>
SAMPLER	SIGMA	900	STATION CONDITION:	
SAMPLER	ISCO	6712	STATION CONDITION: <i>Good</i>	

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: <input checked="" type="radio"/> Y <input type="radio"/> N	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS

Connect time, Program running.

Mesa 4 – Horne & Grandview

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Grandview Home		DATE	01-15-02
ARRIVAL TIME	1010	DEPARTURE TIME	1016	SERVICED BY: <i>(Signature)</i> <i>(Signature)</i>
SAMPLER	SIGMA	900	STATION CONDITION:	
SAMPLER	<i>(Signature)</i> ISCO	6712	STATION CONDITION: <i>(Signature)</i>	

ENTRY MADE STATION LOG BOOK: Y / N

STATION DATA COPIED: Y / N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS

Decon Sampler Restart program

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE <i>Hopnet Grandview</i>		DATE <i>01-22-02</i>	
ARRIVAL TIME <i>1258</i>	DEPARTURE TIME <i>1302</i>	SERVICED BY <i>(Signature)</i>	
SAMPLER	SIGMA 900	STATION CONDITION:	
SAMPLER	<i>(circled)</i> ISCO 6712	STATION CONDITION: <i>Good</i>	

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES/ACTIONS *check station, turn temp up a couple of degrees.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE <i>Harne & Grandview</i>		DATE <i>01-29-02</i>	
ARRIVAL TIME <i>0856</i>	DEPARTURE TIME <i>0912</i>	SERVICED BY <i>(Signature)</i>	
SAMPLER	SIGMA 900	STATION CONDITION:	
SAMPLER	<i>(circled) ISCO</i> 6712	STATION CONDITION: <i>No Power, OFF</i>	

ENTRY MADE STATION LOG BOOK *(Y)* *(N)*

STATION DATA COPIED: *(Y)* *(N)*

	CHECKED / SERVICED / CALIBRATED	CONDITION	NEEDS REPLACING?	REPLACED?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *Found unit off, no power at sampler. checked wires in power box, and in light pole. found no problem, no broken or disconnected wires. Call MESA and leave message. Unable to reach power outlet inside. Return to site, measure and drill hole in station house. Line up circuit. Switch on power outlet, reset power breaker, restart program. Call MESA and leave Scott message.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Horno & Harduice		DATE	02-07-09	
ARRIVAL TIME	0759	DEPARTURE TIME	0801	SERVICED BY	(Signature)
SAMPLER	SIGMA	900	STATION CONDITION:		
SAMPLER	ISCO	6712	STATION CONDITION:		

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	voltage
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS check sites, time & date

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	6-Randview & Horne		DATE	02/13/02	
ARRIVAL TIME	0748	DEPARTURE TIME	0752	SERVICED BY	<i>Allen</i>
SAMPLER	SIGMA	900	STATION CONDITION:		
SAMPLER	<i>ISCO</i>	6712	STATION CONDITION: <i>Good</i>		

ENTRY MADE STATION LOG BOOK: Y N

STATION DATA COPIED: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *check station, date and time, okay.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Grandview Horne		DATE	02-20-02	
ARRIVAL TIME	0815	DEPARTURE TIME	0819	SERVICED BY	<i>[Signature]</i>
SAMPLER	SIGMA	900	STATION CONDITION:		
SAMPLER	<i>[Circled]</i> J8CO	6712	STATION CONDITION: <i>[Circled]</i> Good		

ENTRY MADE STATION LOG BOOK: *[Circled]* Y / N

STATION DATA COPIED: Y *[Circled]* N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *check station, time 1 1/2 min behind. leave alone.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	G. Randuic's Home		DATE	03-07-02
ARRIVAL TIME	0746	DEPARTURE TIME	0755	SERVICED BY <i>(Signature)</i>
SAMPLER	SIGMA	900	STATION CONDITION:	
SAMPLER	<i>(circled)</i> ISCO	6712	STATION CONDITION: <i>Okay</i>	

ENTRY MADE STATION LOG BOOK: *(circled)* Y / N

STATION DATA COPIED: Y / *(circled)* N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS

connect timer, restart program.

STORM EVENT LOG SHEET

1. Site: Grandview/HORNE Your Name: Sutton, Oler
2. Date: 3-8-02 Time: 1:45

SAMPLER PARAMETERS

3. Rainfall: _____ in
4. Flow: _____ cfs
5. Level: _____ in
6. Velocity: _____ ft/sec

O&M PARAMETERS

7. Did sampling equipment operate during event? Yes or No? Describe problems.

8. Battery voltage: _____ volts

9. Power On or Off? If power off (Mesa), reset circuit breaker and check/replace fuse if necessary.

FIELD PARAMETERS

10. Discharge (flow) at time of grabs _____ cfs
11. pH 8.4 _____ su
12. Temperature 16 _____ deg. C

GRAB SAMPLES Take grabs from discharge only!

13. Grab samples taken? Yes or No?

14. Preservatives added to bottles? Yes or No?

EQUIPMENT CLEANING CHECKLIST

Site Grandview Home

Date 03-13-02 Time 1215 / Leave 1240

Serviced By: (Signature)

Found Lock Broken off cabinet. Temp repair made

Data Downloaded to DTU?

Call Todd to confirm data copied. No Decon at this time

1. On 900 Sigma Halt program. On Isco Stop program. *leave to pick up needed parts.*
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Isco 6712 models, hit stop key and follow program. (Signature)
4. On 900 models, press the Pump Operation key and then the select Purge.
5. Follow the steps below and check each as it is done.

Pump approximately 1/2 gallon tap water through tubing.

Pump approximately 1/2 gallon of Liquinox through tubing.

Pump a large quantity of tap water through tubing.

Pump a small amount of Nitric Acid (pH 3 - 4) through tubing.

Pump approximately 1/2 - 1 gallon deionized water through tubing.

6. Disconnect the extension tubing and make sure the distributor tubing is seated properly.
7. Replace the base and clean bottles.
8. If the data has been downloaded to the DTU, START the program from the beginning.
9. If the data has not been downloaded, RESUME the program.

EQUIPMENT CLEANING CHECKLIST

Site Grandview + Home

Date 03-14-02 Time 0845 Restart 0913

Serviced By: (Signature)

phone Repair door, new base and Lock
Data Downloaded to DTU?

Stop in mes4, request they order additional Locks

1. On 900 : Sigma Halt program. On Isco Stop program.
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Isco 6712 models, hit stop key and follow program.
4. On 900 models, press the Pump Operation key and then the select Purge.
5. Follow the steps below and check each as it is done.

- Pump approximately 1/2 gallon tap water through tubing.
- Pump approximately 1/2 gallon of Liquinox through tubing.
- Pump a large quantity of tap water through tubing.
- Pump a small amount of Nitric Acid (pH 3 - 4) through tubing.
- Pump approximately 1/2 - 1 gallon deionized water through tubing.

6. Disconnect the extension tubing and make sure the distributor tubing is seated properly.
7. Replace the base and clean bottles.
8. If the data has been downloaded to the DTU, START the program from the beginning.
9. If the data has not been downloaded, RESUME the program.

Mesa 5 – Broadway & Dobson

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Broadway @ Polson		DATE	01-15-02	
ARRIVAL TIME	0900	DEPARTURE TIME	0920	SERVICED BY	<i>[Signature]</i> <i>[Signature]</i>
SAMPLER	SIGMA	900	STATION CONDITION:		
SAMPLER	ISCO	6712	STATION CONDITION:		Good

ENTRY MADE STATION LOG BOOK: Y N

STATION DATA COPIED Y N *for phone*

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS

Recon sampler, Restart program

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE <i>Broadway Dobson</i>		DATE <i>01-22-02</i>	
ARRIVAL TIME <i>1204</i>	DEPARTURE TIME <i>1210</i>	SERVICED BY <i>Reon</i>	
SAMPLER	SIGMA 900	STATION CONDITION:	
SAMPLER	<i>ISCO</i> 6712	STATION CONDITION: <i>Good</i>	

ENTRY MADE STATION LOG BOOK: *Y* N

STATION DATA COPIED: Y *N*

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES/ACTIONS *Check Station, take cans out of Funnels. Check temp
OK Key. Turn unit off and then back on 1207 AM. Station not
showing signal strongly*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE <i>Brookway & Dobson</i>		DATE <i>01-29-02</i>	
ARRIVAL TIME <i>0827</i>	DEPARTURE TIME <i>0830</i>	SERVICED BY <i>Rich</i>	
SAMPLER	SIGMA 900	STATION CONDITION:	
SAMPLER	<i>ISCO</i> 6712	<i>good,</i>	

ENTRY MADE STATION LOG BOOK: *Y* *N*

STATION DATA COPIED: *Y* *N*

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *Check station, no change. Part changed out with 6th & Horne Station. Leave alone. Funnel clear*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Broadway & Dobson		DATE	02-07-02
ARRIVAL TIME	0735	DEPARTURE TIME	0740	SERVICED BY <i>Plum</i>
SAMPLER	SIGMA	900	STATION CONDITION	
SAMPLER	ISCO	6712	STATION CONDITION: <i>Good</i>	

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y N

	CHECKED/ SERVICED/ CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES/ACTIONS *check program, read that modulation removed.*
Restart program as it read "error occurred" check times date
Remove trash from station top and funnel.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Broadway & Dobson		DATE	02/13/02
ARRIVAL TIME	0705	DEPARTURE TIME	0707	SERVICED BY <i>(Signature)</i>
SAMPLER	SIGMA	900	STATION CONDITION:	
SAMPLER	ISCO	6712	STATION CONDITION: <i>Good</i>	

ENTRY MADE STATION LOG BOOK: Y / N

STATION DATA COPIED: Y / N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *Check site and funnel for trash.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	B Road way + Dohen		DATE	02-20-02	
ARRIVAL TIME	0715	DEPARTURE TIME	0720	SERVICED BY	<i>(Signature)</i>
SAMPLER	SIGMA	900	STATION CONDITION:		
SAMPLER	ISCO	6712	STATION CONDITION: closed		

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y N

	CHECKED/ SERVICED/ CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *Stop at Station Unit - shot down. leave off*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Dobson + Broadway		DATE	03-07-02	
ARRIVAL TIME	0715	DEPARTURE TIME	0720		
SAMPLER		SIGMA	900	STATION CONDITION:	
SAMPLER		ISCO	6712	STATION CONDITION: closed	

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y N

	CHECKED/ SERVICED/ CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES/ACTIONS

check for mold, needs cleaning, Due in June
with Summer Start up.