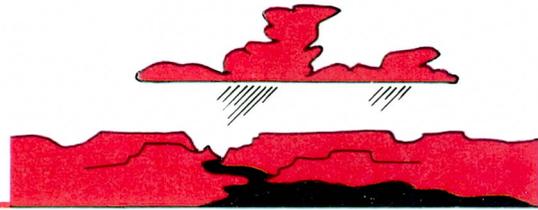


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# FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

**Stormwater Quality Report  
City of Mesa, Arizona**

**Third and Fourth Quarter 2000  
First and Second Quarter 2001**

**August 7, 2001**

FLOOD CONTROL  
DISTRICT

OF  
MARICOPA  
COUNTY

# Stormwater Quality Report

Third and Fourth Quarter, Sampling Year 2000  
First and Second Quarter, Sampling Year 2001

January 1, 2000 through December 31, 2000

For  
**City of Mesa, Arizona**

August 7, 2001

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Stormwater Quality Report  
City of Mesa, Arizona

Third and Fourth Quarter 2000  
First and Second Quarter 2001

August 7, 2001

## 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, 2000 through December 31, 2000.

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.**

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

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.

## Storm Event Summary

The narrative discussion provided below is presented by quarter. In addition, Tables 1 and 3 on pages 4 and 6 of this report list storm events with rainfall greater than or equal to 0.22 inches of rain (Mesa minimum winter rainfall criteria). Both tables also detail the reasons why events were classified as non-representative.

Table 2 on page 5 of this report lists storm events with rainfall greater than or equal to 0.24 inches of rain (Mesa minimum summer rainfall criteria). Table 2 also details the reason events were classified as non-representative.

Equipment repairs, replacement, and cleaning are detailed in the Maintenance Summary section of this report. There were no representative storm events during the summer season. There was one representative storm event during the winter season. Grab samples from this event were collected and analyzed for microbiological parameters.

### **January – March 2000**

No representative winter storm events occurred during this period. There was little to no precipitation during January and February. On February 21, a fast moving storm moved across the valley from the southwest to the northeast. The storm knocked out power, primarily in the east valley. Total rainfall during March at the five Mesa stormwater monitoring stations ranged from 2.50 inches at Grandview to 3.26 inches at Dobson. A slow-moving, late-winter storm occurred valleywide on March 5 - 7. Maricopa County experienced a record rainfall on March 6 (Maricopa County Emergency Management, April 3, 2000). Total storm rainfall at the five Mesa sites ranged from 2.14 inches at Grandview to 2.83 inches at Dobson. Rainfall amounts were significantly greater than the maximum amount of 0.66 inches required for a representative winter storm event. The storm duration was 39 hours, much greater than 17.7 hours, the upper limit for the duration criteria. Additional storm events occurred on March 28 and 31, but their durations were too short to meet the representative criteria.

### **April – June 2000**

The representative summer storm event criteria are not in effect from April 1 through June 30. By definition, no representative storm events occurred during this period. No precipitation was recorded at any of the five Mesa sites during April or May, with the exception of 0.01 inches of rain at Lindsay on April 1. The 2000 monsoon arrived on June 17, one day after the earliest record of June 16, 1925 (Maricopa County Emergency Management, July 5, 2000). Total rainfall during June at the five Mesa stormwater monitoring stations ranged from 0.11 inches at Grandview to 0.69 inches at Falcon. Precipitation amounts for any single storm during June ranged from 0.01 to 0.20 inches. All storm durations produced too little rain and were too short to meet the representative criteria.

### **July – September 2000**

No representative summer storm events occurred during this period. A high degree of variability is typical for the summer monsoon season. The storms are short duration and have been very spotty the past several years. The July monsoon was quite inactive. Total rainfall during July at the five Mesa stormwater monitoring stations ranged from 0.09 inches at Sixth to 0.38 inches at

Falcon Field. There was only one storm which occurred on July 30. All durations were too short to meet the representative criteria. During July 1999, rainfall at the same sites ranged from 0.46 inches at Lindsay to 1.10 inches at Dobson.

Total rainfall during August at the five Mesa stormwater monitoring stations ranged from 0.33 inches at Falcon Field to 1.13 inches at Dobson. Precipitation amounts for any single storm during August ranged from 0.01 inches to 0.68 inches. Significant storms occurred on August 17, 28, and 30. All storm durations were too short to meet the representative criteria. During August 1999, rainfall at the same sites ranged from 0.58 inches at Dobson to 2.50 inches at Falcon Field.

No precipitation was recorded at any of the five Mesa sites during September, with the exception of 0.04 inches at Lindsay, 0.02 inches at Falcon, and 0.01 inches at Dobson.

**October – December 2000**

October 2000 was the second wettest October in the Phoenix metropolitan area. The period of record dates from 1890 to 2000. (National Weather Service, Phoenix, Arizona website). Although storms occurred throughout October, there was only one representative storm event at one site during this quarter. The event took place on October 27 at the Sixth site.

**Storm of October 27, 2000**

SITE	DATE	RAIN (inches)	SAMPLES COLLECTED
SIXTH	10/27/00	0.63	GRAB SAMPLES COLLECTED; COMPOSITE SAMPLES NOT COLLECTED DUE TO EQUIPMENT MALFUNCTION.

Total rainfall during October at the five Mesa stormwater monitoring stations ranged from 1.32 to 3.03 inches. The normal October monthly precipitation amount is 0.65 inches. The period of record dates from 1961 to 1990. (National Weather Service, Phoenix, Arizona website). All five Mesa sites recorded rainfall greater than one-tenth of an inch per storm during the storm events of October 4, 10, 11, 21, 22, 23, 27, 28, and 30. There were thirty winter storm events in Mesa with rainfall amounts greater than or equal to 0.22 inches. Twenty-six of the thirty events (87%) had durations less than 5.9 hours.

**TABLE 1**  
**SUMMARY OF MESA WINTER STORM EVENTS**  
**WITH RAINFALL > 0.22 INCHES BUT NOT SAMPLED**  
**JANUARY 1, 2000 – MARCH 31, 2000\***

<b>SITE</b>	<b>DATE</b>	<b>RAIN (inches)</b>	<b>REASONS NOT SAMPLED</b>
SIXTH	3/5/00 – 3/7/00	2.45	72-HR RULE, RAIN > 0.66 INCH, DURATION TOO LONG
LINDSAY	3/5/00 – 3/7/00	2.59	72-HR RULE, RAIN > 0.66 INCH, DURATION TOO LONG
FALCON	3/5/00 – 3/7/00	2.51	72-HR RULE, RAIN > 0.66 INCH, DURATION TOO LONG
GRANDVIEW	3/5/00 – 3/7/00	2.14	72-HR RULE, RAIN > 0.66 INCH, DURATION TOO LONG
DOBSON	3/5/00 – 3/7/00	2.63	72-HR RULE, RAIN > 0.66 INCH, DURATION TOO LONG
LINDSAY	3/31/00	0.22	DURATION TOO SHORT
GRANDVIEW	3/31/00	0.22	DURATION TOO SHORT
DOBSON	3/31/00	0.43	DURATION TOO SHORT

\*There were no representative storm events during this period.

**TABLE 2**  
**SUMMARY OF MESA SUMMER STORM EVENTS**  
**WITH RAINFALL > 0.24 INCHES BUT NOT SAMPLED**  
**JULY 1, 2000 – SEPTEMBER 30, 2000\***

<b>SITE</b>	<b>DATE</b>	<b>RAIN (inches)</b>	<b>REASONS NOT SAMPLED</b>
SIXTH	8/31/00	0.51	DURATION TOO SHORT
LINDSAY	8/17/00	0.68	DURATION TOO SHORT
LINDSAY	8/30/00	0.37	DURATION TOO SHORT
FALCON	7/30/00	0.38	DURATION TOO SHORT
DOBSON	8/17/00	0.28	DURATION TOO SHORT
DOBSON	8/28/00	0.26	DURATION TOO SHORT
DOBSON	8/30/00	0.51	DURATION TOO SHORT

\*There were no representative storm events during this period.

**TABLE 3  
SUMMARY OF MESA WINTER STORM EVENTS  
WITH RAINFALL > 0.22 INCHES BUT NOT SAMPLED  
OCTOBER 1, 2000 – DECEMBER 31, 2000**

<b>SITE</b>	<b>DATE</b>	<b>RAIN (inches)</b>	<b>REASONS NOT SAMPLED</b>
SIXTH	10/10/00	0.96	RAIN > 0.66 INCH, DURATION TOO SHORT
LINDSAY	10/10/00	0.97	RAIN > 0.66 INCH, DURATION TOO SHORT
FALCON	10/10/00	0.39	DURATION TOO SHORT
GRANDVIEW	10/10/00	1.06	RAIN > 0.66 INCH, DURATION TOO SHORT
SIXTH	10/11/00	0.24	72-HR RULE, DURATION TOO SHORT
LINDSAY	10/11/00	0.26	72-HR RULE, DURATION TOO SHORT
SIXTH	10/21/00	0.22	DURATION TOO SHORT
LINDSAY	10/21/00	0.32	DURATION TOO SHORT
DOBSON	10/21/00	0.45	DURATION TOO SHORT
SIXTH	10/22/00	0.39	72-HR RULE, DURATION TOO SHORT
LINDSAY	10/22/00	0.38	72-HR RULE, DURATION TOO SHORT
FALCON	10/22/00	0.67	72-HR RULE, RAIN > 0.66 INCH, DURATION TOO SHORT
GRANDVIEW	10/22/00	0.38	72-HR RULE, DURATION TOO SHORT
DOBSON	10/22/00	0.91	72-HR RULE, RAIN > 0.66 INCH, DURATION TOO SHORT
SIXTH	10/23/00	0.24	72-HR RULE, DURATION TOO SHORT
LINDSAY	10/23/00	0.24	72-HR RULE, DURATION TOO SHORT
FALCON	10/23/00	0.31	72-HR RULE, DURATION TOO SHORT
GRANDVIEW	10/23/00	0.24	72-HR RULE, DURATION TOO SHORT
LINDSAY	10/27/00	0.90	RAIN > 0.66 INCH
FALCON	10/27/00	0.98	RAIN > 0.66 INCH, DURATION TOO SHORT
GRANDVIEW	10/27/00	0.75	RAIN > 0.66 INCH
DOBSON	10/27/00	0.91	RAIN > 0.66 INCH
LINDSAY	10/28/00	0.28	72-HR RULE, DURATION TOO SHORT
GRANDVIEW	10/28/00	0.29	72-HR RULE, DURATION TOO SHORT
SIXTH	10/30/00	0.39	72-HR RULE, DURATION TOO SHORT
LINDSAY	10/30/00	0.47	72-HR RULE, DURATION TOO SHORT
FALCON	10/30/00	0.39	72-HR RULE, DURATION TOO SHORT
GRANDVIEW	10/30/00	0.39	72-HR RULE, DURATION TOO SHORT
DOBSON	10/30/00	0.35	72-HR RULE, DURATION TOO SHORT
SIXTH	11/6/00	0.31	DURATION TOO SHORT
LINDSAY	11/6/00	0.27	DURATION TOO SHORT
GRANDVIEW	11/6/00	0.26	DURATION TOO SHORT
DOBSON	11/6/00	0.35	DURATION TOO SHORT

## **Maintenance Summary**

This section details maintenance activities and problems that occurred from January 1, 2000 through December 31, 2000. All water quality samplers are SIGMA 800 models.

The FCD has improved the reporting of maintenance activities and storm events by developing new log sheets. We anticipate that future reports will provide the City of Mesa with better documentation of maintenance performed as well as response to storm events.

FCD contracted with a barricade service company to provide traffic control plans for all Mesa sites with the exception of the Falcon Field site. Traffic control is unnecessary for access to the Falcon Field site. The four traffic control plans were completed in January 2000.

FCD reprogrammed all samplers for summer sampling parameters prior to July 1, 2000. FCD reprogrammed all samplers for winter sampling parameters on or about October 1, 2000.

### **SIXTH AND HORNE**

The distributor arm mechanism was removed at the end of February, due to repeated jamming. The SIGMA 800 base was modified to accept one 5-gallon bottle in place of the eight 1900-ml bottles. Troubleshooting for conversion to the single bottle setup was performed in the field on May 19, and in the FCD shop through the end of May. The single bottle sampler setup was reinstalled on June 14. The telephone was noted as not working on March 7. US West was contacted on March 9 to fix the problem. Phone service was restored on or before March 13. A power outage was noted on March 23. The reason for the power outage was undetermined. All sampler tubing was cleaned on June 14, August 19, October 6, October 10, October 22, October 28, and November 7. The battery was replaced on June 27. The raingage, affixed to a light pole 12 feet above grade, was checked on August 19. The funnel was unobstructed. The single bottle was switched to the original eight-bottle configuration in late summer, due to its not sampling during storm events. Every storm event from March through August generated less than 0.20 inches of rainfall, with the exception of the storm event of August 31. This storm generated 0.51 inches of rainfall, and the automated sampler still did not activate to collect samples.

### **LINDSAY AND BROADWAY**

All sampler tubing was cleaned on March 9, June 13, June 29, July 31, August 19, October 6, October 10, October 22, October 28, and November 7. The

raingage funnel was missing during most of the March 5-7 storm. Rainfall was estimated from ALERT gage 6545. Scheduled sampler maintenance was done on April 25. This included replacing all sampler tubing, checking battery voltage, and calibrating sample volume.

### **FALCON FIELD**

All sampler tubing was cleaned on March 9, June 13, July 2, July 5, July 31, August 19, October 6, October 10, October 22, and November 7. The tipping bucket component of the raingage was leveled on March 30, calibrated on August 7, and repaired on November 2. Scheduled sampler maintenance was done on April 25. This included replacing all sampler tubing, checking battery voltage, and calibrating sample volume. Battery and electric power voltage were checked on June 20 and June 27. Electrical malfunctions (digital display on keyboard not functioning and inability to download data) were noted on August 30, September 5, September 19, September 26, October 22, and October 28. The surge protector was removed and sampler head replaced on November 2.

### **GRANDVIEW AND HORNE**

The telephone was noted as inoperable during the month of January. US West was contacted several times to fix the problem. The telephone was again reported as inoperable on March 9 and operable on March 13. All sampler tubing was cleaned on March 9, June 14, August 19, August 30, October 6, October 10, October 22, October 28, and November 7. Scheduled sampler maintenance was done on April 25. This included replacing all sampler tubing, checking battery voltage, and calibrating sample volume. Battery and electric power voltage were checked on June 20 and 27.

### **DOBSON AND BROADWAY**

All sampler tubing was cleaned on March 9, June 13, July 5, July 12, August 19, October 6, October 11, October 22, October 28, and November 7. A deteriorated hose in the peristaltic pump and a blown fuse were identified and replaced on March 9, after the March 5-7 storm. Rainfall data for the March 5-7 storm was obtained from ALERT gage 4535. A new raingage was installed on March 29. The original raingage had been mounted on a lightpole, and was removed by the City of Mesa due to a traffic accident. A blown fuse and thrown circuit breaker were identified and repaired on April 5. Scheduled sampler maintenance was done on April 25. This included replacing all sampler tubing, checking battery voltage, and calibrating sample volume. Battery and electric power voltage were checked on June 20 and 27.

## **Other**

FCD developed a Field Manual for sampling staff. The manual includes sampling procedures, contact names and phone numbers, maps, log sheets, and analysis forms.

On August 30, 2000, the FCD and the City of Mesa met to discuss some of the major maintenance issues that needed to be sorted out. FCD stated they are concerned about confined space entry issues and requested assistance from the City of Mesa. Due to serious safety concerns, FCD has halted any maintenance within confined spaces until confined space entry concerns have been addressed. FCD requested help from the City of Mesa on this matter. The city stated that Mesa no longer does confined space entry due to safety concerns themselves. They stated they would like FCD to further evaluate the issue and sort out the problem. FCD acknowledged that they will reevaluate the issues and attempt to establish an on call contract for confined space entry work. It was also mentioned to the City of Mesa that since the work going on is within their city limits, they are still potentially liable for any problems that could occur.

A great deal of problems have become apparent with the sampling equipment this past year and discussions with the City of Mesa have indicated that the city are intending to replace all of their sites with new equipment in 2001. The FCD have agreed to help support this effort financially and are fully supportive of this occurring. This had been the recommendation to the city for some time now. The anticipated changeover date is expected to be prior to July 2001.

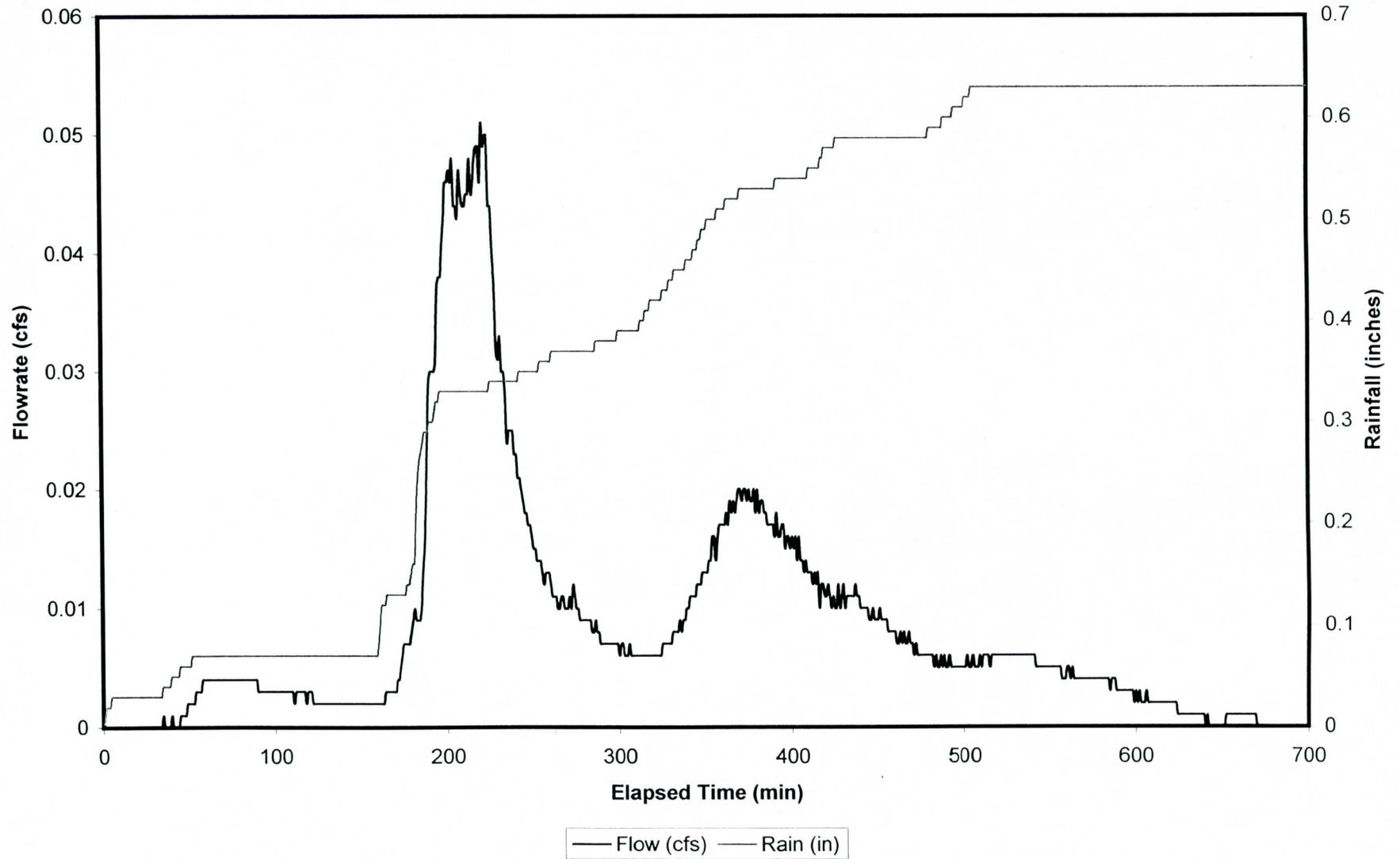
## **Data compiled for Calendar Year 2000**

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

- Storm hydrograph for the representative storm event of October 27, 2000.
- Rainfall tables with daily and monthly totals for five Mesa NPDES raingages.
- Analytical data table for the representative storm event of October 27, 2000. This data is required for Mesa's NPDES stormwater permit.
- Data validation table for the representative storm event of October 27, 2000.
- Copies of lab report for the representative storm event of October 27, 2000.
- Copies of Stormwater O&M, Equipment Cleaning, and Storm Event log sheets for calendar year 2000.

**Storm Hydrograph - Sixth and Horne  
October 27, 2000**

### Sixth and Horne - October 27, 2000



**Rainfall Data Tables  
Calendar Year 2000**

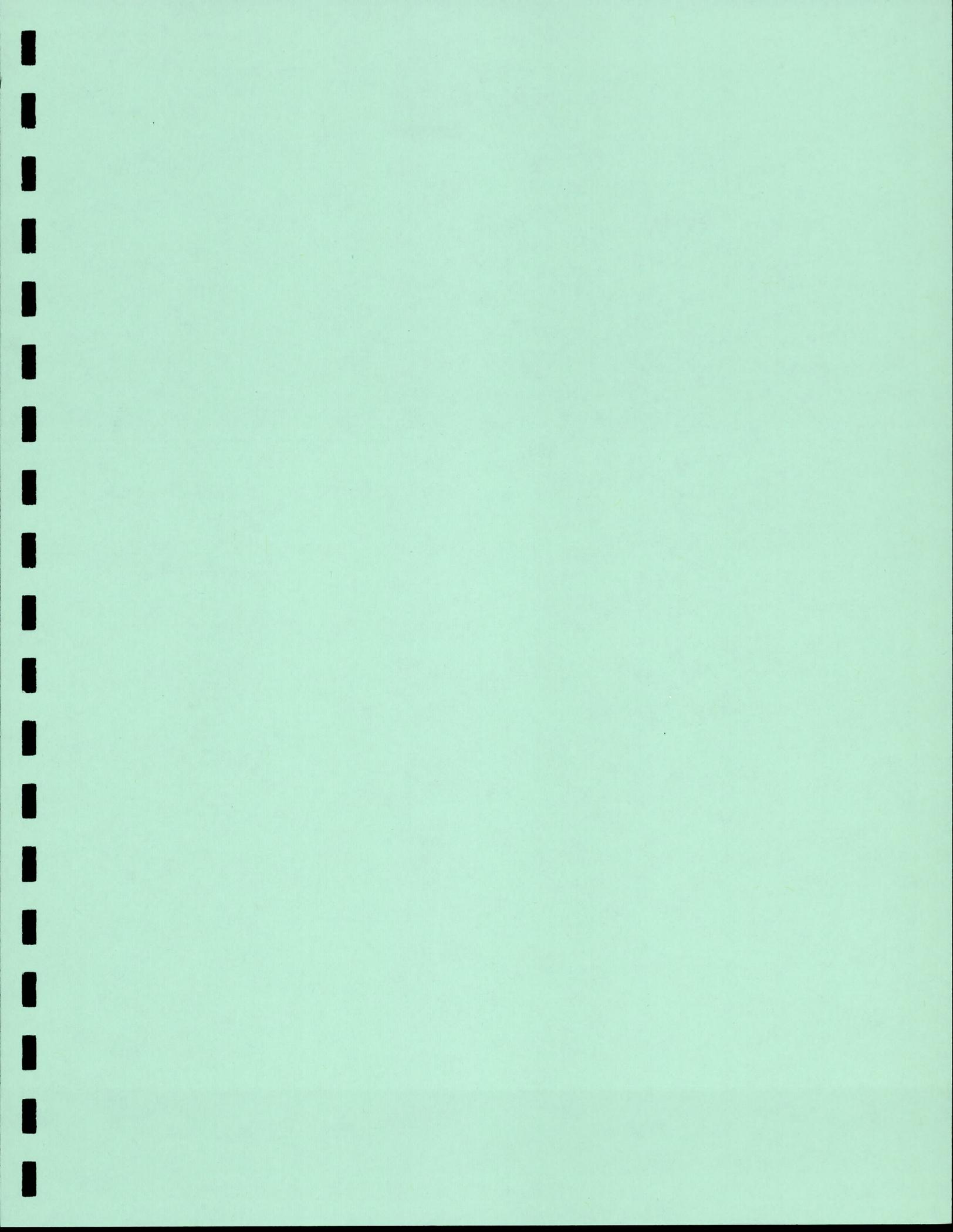
**Sixth and Horne**

Gauge Rainfall (in.)												
Gauge Number	Sixth (1001)											
Location	Home and Sixth Street											
	July 1999	August 1999	September 1999	October 1999	November 1999	December 1999	January 2000	February 2000	March 2000	April 2000	May 2000	June 2000
1												
2							0.02					
3												
4									0.01			
5									0.52			
6	0.18								1.66			
7									0.37			
8												
9												
10		0.04										
11			0.04									
12												
13												
14	0.68		0.34									
15	0.16											
16												
17												
18												
19		0.27	0.18									0.06
20												
21												
22								0.05				
23			0.54									
24												
25												
26												
27		0.26										
28									0.11			
29												0.08
30												0.01
31		0.24							0.20			
Month Total	1.02	0.81	1.10	0.00	0.00	0.00	0.02	0.05	2.87	0.00	0.00	0.15

Gauge Rainfall (in.)												
Gauge Number	Sixth (1001)											
Location	Horne and Sixth Street											
	July 2000	August 2000	September 2000	October 2000	November 2000	December 2000	January 2001	February 2001	March 2001	April 2001	May 2001	June 2001
1												
2												
3												
4				0.17	0.03							
5												
6					0.31							
7												
8		0.03		0.01								
9												
10				0.96	0.08							
11				0.24								
12												
13												
14												
15												
16												
17		0.05										
18				0.01								
19				0.01								
20												
21				0.22								
22				0.39								
23				0.24								
24												
25												
26												
27				0.63								
28		0.09		0.16								
29												
30	0.09	0.05		0.34								
31		0.46										
Month Total	0.09	0.68	0.00	3.38	0.42	0.00						

# Lindsay and Broadway

Gauge Rainfall (in.)												
Gauge Number	Lindsay (1002)											
Location	Broadway and Lindsay											
	July 1999	August 1999	September 1999	October 1999	November 1999	December 1999	January 2000	February 2000	March 2000	April 2000	May 2000	June 2000
1										0.01		
2												
3												
4												
5												
6												
7												
8												
9												
10												
11			0.01									
12												
13												
14	0.34		0.40									
15	0.12											
16												
17												
18		0.13										
19		0.09										0.05
20												0.04
21												
22												
23			0.20									
24												
25												
26												
27		0.10							0.01			
28									0.12			0.18
29												
30												0.02
31		0.69							0.22			
Month Total	0.46	1.01	0.61	0.00	0.00	0.00	0.00	0.00	3.07	0.01	0.00	0.29



Gauge Rainfall (in.)												
Gauge Number	Lindsay (1002)											
Location	Broadway and Lindsay											
	July 1999	August 1999	September 1999	October 1999	November 1999	December 1999	January 2000	February 2000	March 2000	April 2000	May 2000	June 2000
1										0.01		
2												
3												
4												
5									0.12			
6									1.77			
7									0.83			
8												
9												
10												
11			0.01									
12												
13												
14	0.34		0.40									
15	0.12											
16												
17												
18		0.13										
19		0.09										0.05
20												0.04
21												
22												
23			0.20									
24												
25												
26												
27		0.10							0.01			
28									0.12			0.18
29												
30												0.02
31		0.69							0.22			
Month Total	0.46	1.01	0.61	0.00	0.00	0.00	0.00	0.00	3.07	0.01	0.00	0.29

Gauge Rainfall (in.)													
Gauge Number	Lindsay (1002)												
Location	Broadway and Lindsay												
	July 2000	August 2000	September 2000	October 2000	November 2000	December 2000	January 2001	February 2001	March 2001	April 2001	May 2001	June 2001	
1													
2													
3													
4				0.21	0.03								
5													
6					0.27								
7													
8													
9													
10				0.97	0.09								
11			0.01	0.26									
12													
13													
14													
15													
16													
17		0.68											
18				0.04									
19				0.01									
20													
21				0.32									
22				0.41									
23				0.24									
24													
25													
26			0.03										
27				0.90									
28		0.01		0.28									
29													
30	0.15	0.37		0.47									
31													
Month Total	0.15	1.06	0.04	4.11	0.39	0.00							

**Falcon Field**

Gauge Rainfall (in.)												
Gauge Number	Falcon Field (1003)											
Location	Falcon Field Airport											
	July 1999	August 1999	September 1999	October 1999	November 1999	December 1999	January 2000	February 2000	March 2000	April 2000	May 2000	June 2000
1												
2		0.67										
3									0.02			
4												
5									0.44			
6	0.12								1.74			
7									0.47			
8												
9												
10												
11												
12												
13												
14	0.60		0.23									
15	0.17											
16												
17												
18								0.02				0.17
19			0.12									
20												0.11
21								0.04				
22												
23		0.89	0.08									
24												
25												
26												
27		0.12										
28									0.14			0.15
29												0.08
30									0.04			0.18
31		0.82							0.15			
Month Total	0.89	2.50	0.43	0.00	0.00	0.00	0.00	0.06	3.00	0.00	0.00	0.69

Gauge Rainfall (in.)												
Gauge Number	Falcon Field (1003)											
Location	Falcon Field Airport											
	July 2000	August 2000	September 2000	October 2000	November 2000	December 2000	January 2001	February 2001	March 2001	April 2001	May 2001	June 2001
1												
2												
3												
4				0.50	0.05							
5												
6				0.03	0.20							
7												
8				0.02								
9												
10				0.42	0.06							
11				0.14								
12												
13												
14												
15												
16												
17		0.08										
18												
19												
20												
21				0.16								
22				0.67								
23				0.32								
24												
25												
26			0.02									
27				0.95								
28		0.02		0.20								
29												
30	0.38	0.02		0.40								
31		0.21										
Month Total	0.38	0.33	0.02	3.85	0.31	0.00						

# Grandview and Horne

Gauge Rainfall (in.)												
Gauge Number	Grandview (1004)											
Location	Horne and Grandview											
	July 1999	August 1999	September 1999	October 1999	November 1999	December 1999	January 2000	February 2000	March 2000	April 2000	May 2000	June 2000
1												
2												
3												
4									0.01			
5									0.51			
6	0.14								1.42			
7									0.34			
8												
9												
10		0.04										
11			0.02									
12												
13												
14	0.64											
15												
16												
17												
18												
19		0.45	0.18									
20												
21								0.10				
22												
23			0.85									
24												
25												
26												
27		0.14										
28		0.06										0.11
29												
30												
31		0.29							0.22			
Month Total	0.78	0.98	1.05	0.00	0.00	0.00	0.00	0.10	2.50	0.00	0.00	0.11

Gauge Rainfall (in.)												
Gauge Number	Grandview (1004)											
Location	Home and Grandview											
	July 2000	August 2000	September 2000	October 2000	November 2000	December 2000	January 2001	February 2001	March 2001	April 2001	May 2001	June 2001
1												
2												
3												
4				0.16	0.03							
5												
6					0.26							
7												
8				0.01								
9												
10				1.06	0.08							
11				0.21								
12												
13												
14												
15												
16												
17		0.22										
18				0.03								
19				0.02								
20												
21				0.21								
22		0.04		0.40								
23				0.24								
24		0.05										
25												
26												
27				0.75								
28		0.11		0.29								
29												
30	0.16			0.39								
31												
Month Total	0.16	0.42	0.00	3.77	0.37	0.00						

**Dobson and Broadway**

Gauge Rainfall (in.)												
Gauge Number	Dobson (1005)											
Location	Dobson and Broadway											
	July 1999	August 1999	September 1999	October 1999	November 1999	December 1999	January 2000	February 2000	March 2000	April 2000	May 2000	June 2000
1												
2												
3												
4												
5									0.74			
6	0.29								1.70			
7									0.39			
8												
9												
10												
11			0.20									
12												
13												
14	0.46		0.31									
15	0.35											
16												
17												
18												
19		0.04	0.37									0.08
20												0.01
21												
22			0.03									0.15
23			0.74									0.10
24												
25												
26												
27		0.24										
28		0.04										
29												
30												0.20
31		0.26							0.43			
Month Total	1.10	0.58	1.65	0.00	0.00	0.00	0.00	0.00	3.26	0.00	0.00	0.54



**Data Table - Sixth and Horne  
October 27, 2000**

Mesa 1 - Horne and Sixth Street		
Date of Sampling	Method	10/27/00
Time		1640
Representative Storm Event		Y
Agency Collecting Sample		FCD
Agency Analyzing Sample		DEL MAR
Drainage Area (acres) (DA)		193
Impervious Area (acres) (IA)		121
Land Use - Residential		193
Land Use - Commercial		0
Land Use - Industrial		0
Land Use - Undeveloped		0
Sampling Duration (minutes) (DRN)		0
Storm Duration (minutes)		505
Runoff Sampled (cubic feet) (RUN)		0
Total Storm Runoff (cubic feet)		360
Instantaneous Discharge (cfs)		0.051
Preceding Dry Period (days) (ANT)		4
Total Storm Rainfall (inch)		0.63
Rainfall Sampled (inch) (TRN)		0
Maximum 5-minute rain intensity (MAX5)		1.44
Sample Temperature (deg. C)	Field	0
Effluent Temperature (deg. C)	Field	17
pH, Effluent (standard units)	Field	8.5
BOD5 (mg/l)	405.1	6
COD High Level (mg/l)	410.4	NA
Fecal Coliform (MPN/100mL)	9221E	17,000
Fecal Streptococci (MPN/100mL)	9230B	17,000
E. coli (MPN/100mL)	9221F	1,100
Total Dissolved Solids (mg/l)	2540C	NA
Total Suspended Solids (mg/l)	160.2	NA
TKN Nitrogen (mg/l as N)	351.3	NA
Nitrogen Nitrate Total (mg/l as N)	300.0	NA
Nitrogen Ammonia Total (mg/l as N)	350.3	NA
Nitrogen Organic Total (mg/l as N)	CALC	NA
Phosphorous Total (mg/l as P)	365.3	NA
Phosphorous Dissolved (mg/l as P)	365.3	NA
Oil and Grease Total Recoverable (mg/l)	413.2	NA
Hardness (mg/l)	2340B	NA
Cadmium Total Recoverable (ug/l as Cd)	200.9	NA
Cadmium Dissolved (ug/l as Cd)	200.9	NA
Chromium Total Recoverable (ug/l as Cr)	200.9	NA
Chromium Dissolved (ug/l as Cr)	200.9	NA
Copper, Total Recoverable, (ug/l as Cu)	200.7	NA
Copper, Dissolved, (ug/l as Cu)	200.8	NA
Lead, Total Recoverable, (ug/l as Pb)	200.9	NA
Lead, Dissolved, (ug/l as Pb)	200.9	NA
Mercury, Total Recoverable, (ug/l as Hg)	245.1	NA
Mercury, Dissolved, (ug/l as Hg)	245.1	NA
Zinc, Total Recoverable, (ug/l as Zn)	200.9	NA
Zinc, Dissolved, (ug/l as Zn)	200.7	NA
P,P' DDE, Total, (ug/l)	608	NA
Methylene Chloride, Total, (ug/l)	624	NA
Toluene, Total, (ug/l)	624	NA
Benzo (a) Pyrene, Total, (ug/l)	625	NA
Chrysene, Total, (ug/l)	625	NA
Fluoranthene, Total, (ug/l)	625	NA
Indeno (1,2,3-CD) Pyrene, Total, (ug/l)	625	NA
Pyrene, Total, (ug/l)	625	NA

**Lab Report - Sixth and Horne**  
**October 27, 2000**



Maricopa County -Flood Control District 2801 West Durango Street Phoenix, AZ 85009 Attention: Julie Cox	Client Project ID: Mesa-NPDES Storm Water  Report Number: PJJ0475	Sampled: 10/27/00-10/30/00 Received: 10/30/00 Issued: 11/22/00
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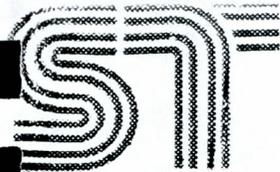
## CASE NARRATIVE

LABORATORY NUMBER	SAMPLE DESCRIPTION	SAMPLE MATRIX
PJJ0475-01	Lindsay	Water
PJJ0475-02	Horne 6th	Water
PJJ0475-03	Horne/Grandview	Water
PJJ0475-05	Falcon	Water

- SAMPLE RECEIPT: Samples were received intact, on ice, and with chain of custody documentation.
- HOLDING TIMES: See attached report from subcontracted laboratory for holding time information.
- PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
- QA/QC CRITERIA: See attached report from subcontracted laboratory for QA/QC information.
- OBSERVATIONS: See attached report from subcontracted laboratory for observations made regarding this work order.
- SUBCONTRACTED: One or more samples were subcontracted to ES Environmental Services/Severn Trent - 3333 S. Price Road, Chandler, AZ (AZ0021) for the requested analyses. Results are attached.

DEL MAR ANALYTICAL, PHOENIX (AZ0426)

  
 Linda Eshelman  
 Project Manager



# Severn Trent Environmental Services

3333 S. Old Price Road Chandler, Arizona 85248 Tel: (480) 899-0191 Fax: (480) 899-0349

402 N. Neely Street Gilbert, Arizona 85233 Tel: (480) 926-3761 Fax: (480) 926-3868

Del Mar Analytical  
9830 South 51st Street, Suite B-120  
Phoenix, AZ 85044

Attention: Linda Eshelman

Report Date: November 16, 2000  
Date/Time Received: 10/27/00 2006  
Project Identification: FCD-Mesa  
Sample Description: Water  
Purchase Order Number:

## LAB RESULTS

Analytical Method	Parameter Description	Sample Identification	Sample Date / Time	Analysis Date	Lab Identification	Reporting Limit	Analytical Results	Units
405.1	Biochemical Oxygen Demand	Horne/6th	10/27/00 1640	10/28/00 1300	C00-4034	3	6	mg/L
SM9221E	Fecal Coliform by MTF	Horne/6th	10/27/00 1640	10/27/00 2139	C00-4035	2	17000*	MPN/100ml
SM9221F	E. Coli - MPN			10/27/00 2139		2	1100*	MPN/100ml
SM9230B	Fecal Streptococcus by MTF	Horne/6th	10/27/00 1640	10/27/00 2145	C00-4036	2	17000	MPN/100ml

\* Microbiological incubator exceeded temperature control limits during incubation period.  
Analytes reported as N.D. were not present above the stated limit of detection.  
SEVERN TRENT ENVIRONMENTAL SERVICES, Chandler - ADHS Licensure AZ0613

  
Stephen J. Rot  
Laboratory Director

**Validation Table - Sixth and Horne  
October 27, 2000**

# Mesa Horne and Sixth

October 27, 2000

	Method	Result	Units	Required Method Detection Limit	Flags	Date Analyzed	Allowable Holding Time	Required MS/MSD Precision (% RPD)	Actual MS/MSD Precision (% RPD)	Required Sample Duplication Precision (% RPD)	Actual Sample Duplication Precision (% RPD)	Other QA/QC Comments (out of spec)	Field Blank Detects	Comments
Sample Temperature (deg. C)	Field	0	deg. C			10/27/00	Immediate							
Effluent Temperature (deg. C)	Field	17	deg. C			10/27/00	Immediate							
pH, Effluent (standard units)	Field	8.5	std. Units			10/27/00	Immediate							
BOD5 (mg/l)	405.1	6	mg/l	1		10/28/00	48 hours							
COD High Level (mg/l)	410.4	NA	mg/l	1			28 days							
Fecal Coliform (MPN/100ml)	9221E	17,000	MPN/100ml	2		10/27/00	6 hours							
Fecal Streptococcus (MPN/100ml)	9230B	17,000	MPN/100ml	2		10/27/00	6 hours							
E. coli (MPN/100 ml)	9221F	1100	MPN/100ml			10/27/00	6 hours							
Total Dissolved Solids (mg/l)	2540C	NA	mg/l	10			7 days							
Total Suspended Solids (mg/l)	160.2	NA	mg/l	10			7 days							
TKN Nitrogen (mg/l as N)	351.3	NA	mg/l	0.05			28 days							
Nitrogen Nitrate Total (mg/l as N)	300	NA	mg/l	0.05			48 hours							
Nitrogen Ammonia Total (mg/l as N)	350.3	NA	mg/l	0.05			28 days							
Nitrogen Organic Total (mg/l as N)	CALC	NA	mg/l	0.05										
Phosphorous Total (mg/l as P)	365.3	NA	mg/l	0.05			28 days							
Phosphorous Dissolved (mg/l as P)	365.3	NA	mg/l	0.05			28 days							
Oil and Grease Total Recoverable (mg/l)	413.2	NA	mg/l	0.2			28 days							
Hardness (mg/l)	2340B	NA	mg/l	1			6 months							
Cadmium Total Recoverable (ug/l as Cd)	200.9	NA	ug/l	0.2			6 months							
Cadmium Dissolved (ug/l as Cd)	200.9	NA	ug/l	0.2			6 months							
Chromium Total Recoverable (ug/l as Cr)	200.9	NA	ug/l	1			6 months							
Chromium Dissolved (ug/l as Cr)	200.9	NA	ug/l	1			6 months							
Copper, Total Recoverable, (ug/l as Cu)	200.7	NA	ug/l	1			6 months							
Copper, Dissolved, (ug/l as Cu)	200.8	NA	ug/l	2			6 months							
Lead, Total Recoverable, (ug/l as Pb)	200.9	NA	ug/l	1			6 months							
Lead, Dissolved, (ug/l as Pb)	200.9	NA	ug/l	1			6 months							
Mercury, Total Recoverable, (ug/l as Hg)	245.1	NA	ug/l	0.1			6 months							
Mercury, Dissolved, (ug/l as Hg)	245.1	NA	ug/l	0.1			6 months							
Zinc, Total Recoverable, (ug/l as Zn)	200.9	NA	ug/l	1			6 months							
Zinc, Dissolved, (ug/l as Zn)	200.7	NA	ug/l	1			6 months							
EPA Method 608 Extraction	608						7 days							
P,P' DDE, Total, (ug/l)	608	NA	ug/l	0.1			40 days							
Methylene Chloride, Total, (ug/l)	624	NA	ug/l	50			14 days							
Toluene, Total, (ug/l)	624	NA	ug/l	50			14 days							
EPA Method 625 Extraction	625						7 days							
Benzo (a) Pyrene, Total, (ug/l)	625	NA	ug/l	50			40 days							
Chrysene, Total, (ug/l)	625	NA	ug/l	50			40 days							
Fluoranthene, Total, (ug/l)	625	NA	ug/l	50			40 days							
Indeno (1,2,3-CD) Pyrene, Total, (ug/l)	625	NA	ug/l	50			40 days							
Pyrene, Total, (ug/l)	625	NA	ug/l	50			40 days							

2852 Alton Ave., Irvine, CA 92606 (949) 261-1022 FAX (949) 261-1228  
 1014 E. Cooley Dr., Suite A, Colton, CA 92324 (909) 370-4667 FAX (909) 370-1046  
 16525 Sherman Way, Suite C-11, Van Nuys, CA 92406 (818) 779-1844 FAX (818) 779-1843  
 9484 Chesapeake Dr., Suite 805, San Diego, CA 92123 (619) 505-9596 FAX (619) 505-9689  
 9830 South 51st St., Suite B-120, Phoenix, AZ 85044 (480) 785-0043 FAX (480) 785-0851

## CHAIN OF CUSTODY FORM

Quote #: \_\_\_\_\_ Page 1 of 1

Client Name/Address: <b>FCD 2801 W Durango Rd Phoenix, AZ 85009</b>		Project/PO Number: <b>MESA NPDES Storm water</b>		Analysis Required																
Project Manager: <b>Julie Cox</b>		Phone Number: <b>602-506-8401</b>		BOD ①	Fecal Coliform ①	Fecal Strep ①	C. coli ①	624 ②	OTC ②											only report methylene chloride & Toluene for 624 Special Instructions
Sampler: <b>JAMES SUTTON</b>		Fax Number: <b>602-506-4601</b>																		

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservatives	BOD ①	Fecal Coliform ①	Fecal Strep ①	C. coli ①	624 ②	OTC ②					Special Instructions
Lindsay	S	Misc	8	11/27/00 1515	X	X	X	X	X	X	X	PJJ0475-	01			
Horne / GUY	S	Misc	8	11/27/00 1640	X	X	X	X	X	X	X		2			
Horne / Grandview	S	Misc	8	11/27/00 1712	X	X	X	X	X	X	X		3			
Travel Blank			2	↓	X	-							4			
Temp Blank					X								5			
Falcon	S	Misc	8	11/27/00 1804	X	X	X	X	X	X	X					

Relinquished By: <b>James Sutton</b>	Date /Time: <b>10-27-00 2006</b>	Received by:	Date /Time:	Turnaround Time: (Check)
Relinquished By: <b>Pat DeL...</b>	Date /Time: <b>10/30/00 0820</b>	Received by: <b>D Richards</b>	Date /Time: <b>10/30/00 0830</b>	same day _____ 72 hours _____ 24 hours _____ 5 days _____ 48 hours _____ normal <input checked="" type="checkbox"/>
Relinquished By: <b>Doug Richards</b>	Date /Time: <b>10/30/00 0842</b>	Received in Lab by:	Date /Time: <b>10/27/00 2006</b>	Sample Integrity: (Check) intact <input checked="" type="checkbox"/> on ice <input checked="" type="checkbox"/>

Note: By relinquishing samples to Del Mar Analytical, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

COC-GB

## Log Sheets

- Stormwater O&M
- Equipment Cleaning
- Storm Event

**Sixth (Mesa 1)**

**Horne and Sixth Street**

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

<b>STATION</b>	<i>674 &amp; Horne</i>	<b>DATE</b>	<i>1-12-2008</i>
<b>LOCATION</b>		<b>OPERATOR</b>	<i>(Signature)</i>
<b>PROJECT</b>		<b>INSTRUMENT</b>	
<b>WELL NUMBER</b>		<b>WELL NUMBER</b>	

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE					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	
RAINGAGE	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 and program, phone restart program*

*(Signature)*

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WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

STATION	6 <sup>th</sup> ST & Huron	DATE	1-18-00
OPERATOR		TECHNICAL SERVICE NUMBER	Ren
WARRANTY NUMBER		WARRANTY NUMBER	
WARRANTY NUMBER		WARRANTY NUMBER	

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE					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	
RAINGAGE	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, site, ReStart program*

*Ren*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

6445T + Horne	1-24-00
	(Ren)

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE					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	
RAINGAGE	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
CLEANEED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES/ACTIONS check station, phone. Restart program

(Ren)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

DATE	6 <sup>th</sup> ST & Horne	BAT	01-31-00
AREA		TECHNOLOGY	(Rem)

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE					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	
RAINGAGE	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 sampler, program phone, restart program  
and confirm program running.

(Rem)

Manhole cover located 25 feet west of E 6<sup>th</sup> ST on  
Horne 20 feet North of sampler house in the east lane

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

STATION	6 <sup>th</sup> ST + Horne	DATE	02/03/08
ARRIVAL TIME		DEPARTURE TIME	
WATER QUALITY		WATER QUALITY	
WATER QUALITY		WATER QUALITY	

*(Handwritten signature)*

	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
BATTERY VOLTAGE	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	voltage
SOLAR PANEL	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
CONNECTION CABLES	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
RAINGAGE	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 re start + program.*

*(Handwritten signature)*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

ADDRESS SITE	6 <sup>th</sup> St, Horne		DATE	02/07/00	
ARRIVAL TIME		DEPARTURE TIME		(Kevin)	
OPERATOR		ASSISTANT OPERATOR			
TEST NUMBER		TEST NUMBER			

	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
BATTERY VOLTAGE										voltage
SOLAR PANEL										
CONNECTION CABLES										
RAINGAGE										
SAMPLE INTAKE TUBING										length (feet)
SAMPLER PUMP TUBING										
SAMPLER DISTRIBUTOR TUBING										
DEPTH SENSOR										depth (inch)
CALIBRATE DEPTH SENSOR						N/A		N/A		
CALIBRATE SAMPLE VOLUME						N/A		N/A		mL
CLEANED SAMPLE INTAKE TUBING						N/A		N/A		

NOTES / ACTIONS *Restart program*

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*(Kevin)*

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WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

ARRIVAL DATE	6 <sup>th</sup> St + Home	DEPARTURE DATE	02/14/00
ARRIVAL TIME		DEPARTURE TIME	
INSTRUMENT MODEL NUMBER		INSTRUMENT SERIAL NUMBER	
INSTRUMENT SERIAL NUMBER		INSTRUMENT MODEL NUMBER	

	CHECKED BY	STATUS	DEPTH	VOLUME	NOTE
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	
RANGAGE	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
CLEANNED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS

Restart program

*(Signature)*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

APPROX. SITE	6 <sup>14</sup> St + Horne	BAT	02/17/00
ARRIVAL TIME		DEPARTURE TIME	(KLM)
OPERATOR		WATER QUALITY SYSTEM NUMBER	
PROJECT NUMBER		WATER QUALITY SYSTEM NUMBER	

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE					voltage
SOLAR PANEL					
CONNECTION CABLES					
RAINGAGE					
SAMPLE INTAKE TUBING					length (feet)
SAMPLER PUMP TUBING					
SAMPLER DISTRIBUTOR TUBING					
DEPTH SENSOR					depth (Inch)
CALIBRATE DEPTH SENSOR			N/A	N/A	
CALIBRATE SAMPLE VOLUME			N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING			N/A	N/A	

NOTES / ACTIONS *Restart program*  
*(KLM)*

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WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

STATION	6 <sup>th</sup> ST & Horne	DATE	02/21/00
PARALLEL		STATION	
		STATION	
		STATION	

	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
BATTERY VOLTAGE	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	volts
SOLAR PANEL	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
CONNECTION CABLES	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
RAINGAGE	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, cut supports to install base to hold ice, ice bottle and restart program. Original 1/4/15

Return at 1845, rained, but none recorded

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	6 <sup>th</sup> St, Heine		DATE	02/24/00	
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY <i>Ren</i>		
SAMPLER MODEL NUMBER		SAMPLER SERIAL ASSET NUMBER			
PT SERIAL NUMBER ASSET NUMBER		RAINGAGE SERIAL ASSET NUMBER			

	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	
RAINGAGE	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 *Copy date & cell #1 0.05 rain.*  
*empty ice from base. Restart program*  
*Ren*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	6 <sup>th</sup> ST + Horn		DATE	02/25/00
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY <i>(Signature)</i>	
SAMPLER MODEL NUMBER		SAMPLER SERIAL ASSET NUMBER		
PT SERIAL NUMBER / ASSET NUMBER		RAINGAGE SERIAL ASSET NUMBER		

	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	
RAINGAGE	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, restart program*

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*(Signature)*

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WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	6 <sup>th</sup> ST & Horne		DATE	03/02/00
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY	<i>(Signature)</i>
SAMPLER MODEL NUMBER		SAMPLER SERIAL ASSET NUMBER		
PT SERIAL NUMBER ASSET NUMBER		RAINGAGE SERIAL ASSET NUMBER		

	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	
RAINGAGE	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 stationy restart + program*

*(Signature)*

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WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	6 <sup>th</sup> St, Horro		DATE	03/05/00
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY Kew JLS	
SAMPLER MODEL NUMBER		SAMPLER SERIAL ASSET NUMBER		
PT SERIAL NUMBER ASSET NUMBER		RAINGAGE SERIAL ASSET NUMBER		

	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	
RAINGAGE	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	

0.11

NOTES / ACTIONS Copy into cell #2 OAT Rain sampler waiting on Rain + Flow. No samples taken Restart program

Kew JLS

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

<b>ARRIVAL DATE</b>	10 <sup>th</sup> ST + Horne	<b>DATE</b>	03/07/00
<b>ARRIVAL TIME</b>	1930	<b>DEPARTURE TIME</b>	
<b>SAMPLER LOOP NUMBER</b>		<b>SAMPLER SERIAL NUMBER</b>	
<b>RAINGAGE SERIAL NUMBER</b>		<b>RAINGAGE SERIAL NUMBER</b>	

*None*

	<b>CHECKED / SERVICED / CALIBRATED</b>	<b>CONDITION</b>	<b>REPAIRS</b>	<b>REPLACEMENTS</b>	<b>NOTES</b>
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	
RAINGAGE	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* *Rain: 2.45*

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*Phone has no tone!* *Flow: 0.00*

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*No samples, Sampler waiting on* *Level: 0.00*

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*Flow + level copy date cell # 6* *Velocity:*

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# EQUIPMENT CLEANING CHECKLIST

Site 6<sup>th</sup> St & Horne

Date 03/09/00 Time 0905

Serviced By: (Pump)

Data Downloaded to DTU?

- Data Copied 03/07/00 Phone not working.*  
*Restart program. No samples taken.*
1. Halt program
  2. Connect extension tubing to the distributor tubing on the underside of the sampler.
  3. Press the Purge Key on 800 models or the Manual key on 900 models.
  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.

*03/09/00 1240 Ernie calling problem to US coast*

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.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	6 <sup>th</sup> St & Horne	DATE	03/13/00
ARRIVAL TIME		DEPARTURE TIME	
SAMPLER MODEL NUMBER		SAMPLER SERIAL NUMBER	
PT SERIAL NUMBER / ASSET NUMBER		RAINGAGE SERIAL NUMBER	

*Allen*

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPAIRS	REPLACEMENT	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	
RAINGAGE	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, phone. phone okay, was down.*  
*No Start program.*  
*Allen*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

FIELD SITE 67 <sup>th</sup> St & Heene	DATE 03/16/00
ARRIVAL TIME	DEPARTURE TIME
SAMPLER MODEL NUMBER	SAMPLER SERIAL ASSET NUMBER
DEPT. SERIAL NUMBER	RANGAGE SERIAL ASSET NUMBER

	CHECKED SERVICED CALIBRATED	CONDITION	DEPTH	TEST	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RANGAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth 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	
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES: ACTION: Check sites, restart program

*(Signature)*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

FIELD SITE	6 <sup>th</sup> St. Home		DATE	03/20/00
ARRIVAL TIME		DEPARTURE TIME	SERVICE BY	<i>Allen</i>
SAMPLER MODEL NUMBER		DATE SERIAL ASSET NUMBER		
PT SERIAL NUMBER ASSET NUMBER		LANGAGE SERIAL ASSET NUMBER		

	CHECKED / SERVICED / CALIBRATED	CONDITION	DEPTH	DEPTH	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
PANORAMA	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 feet
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	
CLEANNED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *check sites, phone and restart program*

*Allen*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

FIELD SITE	6 <sup>th</sup> ST & Herne		DATE	03/23/00
ARRIVAL TIME		DEPARTURE TIME	SERIALIZED	<i>(initials)</i>
SAMPLER MODEL NUMBER		DATE SERIAL	SERIAL NUMBER	
PT SERIAL NUMBER		DATE SERIAL	SERIAL NUMBER	

	CHECKED	COMPLETE	OK	NO	NOTE
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	8.6 * 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	
RAINGAGE	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 \*Upon arrival found battery at 8.6, check power and backup. socket circuit blew. reset, power back. Unknown reason for power outage. Restart and check calibration on volume. Reset sampler to 1100 to obtain 900 ml. I will reprogram if a problem arises. Restart program and check phone, tubes

*(initials)*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	6 <sup>th</sup> St, Horne		DATE	03/27/00
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY	<i>(Signature)</i>
SAMPLER LOOP NUMBER			BATTERY SERIAL ASSET NUMBER	
PUMP SERIAL NUMBER			RAINGAGE SERIAL ASSET NUMBER	

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACEMENT	TESTED	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	
RAINGAGE	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	TL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *check program, phone and restart program.*  
*check tube length, change to 60 feet.*  
*(Signature)*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

FIELD SITE	6 <sup>th</sup> St. Horne	DATE	03/28/00
ARRIVAL TIME		DEPARTURE TIME	
SAMPLER MODEL NUMBER		SAMPLER SERIAL NUMBER	
PUMP SERIAL NUMBER		RANGING SERIAL NUMBER	

	CHECKED / SERVICED / CALIBRATED	CONDITION	REMARKS	REMARKS	REMARKS	NOTE
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		
RAIN GAGE	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 storm results, 0.11 rain as of 0640.*

*No samples taken.*

*Plan*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

DATE	6 <sup>th</sup> ST & Home	DATE	03/30/00
ARRIVAL TIME		DEPARTURE TIME	
SAMPLER MODEL NUMBER		SERIAL NUMBER	
PUMP SERIAL NUMBER		RANGE SERIAL NUMBER	

*Peer*

	CHECKED	CONDITION	OK	NO	NOTE
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	
RANGAGE	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)
CAL BRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CAL BRATE 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, try and copy data, DTC would not respond. Sampler would not transfer data. Re Start program*

*Peer*

# STORM EVENT LOG SHEET

SITE:	SIXTH
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DATE:	3/31/00	TIME:	3:05 pm
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DID EQUIPMENT OPERATE PROPERLY DURING EVENT: YES NO

IF NO, WHAT WERE PROBLEM(S):

.3" RAINFALL; SINGLE BOTTLE EMPTY

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## FIELD PARAMETERS:

Discharge at time of Grabs	.01	cfs
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Effluent pH	8.4	s.u.
-------------	-----	------

Effluent Temperature	16	°C
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## GRAB SAMPLES:

Take grab samples from discharge only!

Grab Samples Taken?
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YES

NO

Preservatives added to bottles?
---------------------------------

YES

NO

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

<b>SITE</b>	6 <sup>th</sup> ST & Home		<b>DATE</b>	04/05/00
<b>ARRIVAL TIME</b>		<b>DEPARTURE TIME</b>		<i>(Signature)</i>
<b>INSTRUMENT MODEL NUMBER</b>		<b>MANUFACTURER'S MODEL NUMBER</b>		
<b>INSTRUMENT SERIAL NUMBER</b>		<b>MANUFACTURER'S SERIAL NUMBER</b>		

	<b>CHECKED</b>	<b>CONV.</b>	<b>OK</b>	<b>NO</b>	<b>NOTE</b>
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	
RAINGAGE	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)
CAL BRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CAL BRATE 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 *Shut off sampler. Copy data at a later date.*

*(Signature)*

PROGRAMMED VOL (ml)

PUMPED VOL (ml)

1100

800

1100

800

1300

1000

Water tank  
tubing,  
moved to  
horizontal.

1300

700

1300

1000

Changed to

CONTINUOUS

MODE

NO

SAMPLES

8

1300

1000

1300

1000

1300

1100

1300

1300

changed vol  
on 500 cf  
to 100 cf

1600

1600

1600

1300

1600

1550

### WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

<b>SITE</b>	SIXTH		<b>DATE</b>	5/19/00	
<b>ARRIVAL TIME</b>	0800	<b>DEPARTURE TIME</b>	0930	<b>SERVICED BY</b>	COX/HAUD/FOSSUM
<b>SAMPLER MODEL NUMBER</b>			<b>SAMPLER SERIAL/ ASSET NUMBER</b>		
<b>PT SERIAL NUMBER/ ASSET NUMBER</b>			<b>RAINGAGE SERIAL/ ASSET NUMBER</b>		

	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	
RAINGAGE	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 Troubleshoot conversion to single bottle  
setup. See attached record of programmed volume  
+ pumped volume.  
(entire cycle)  
Action items - Bob will run program next  
week in shop. JRC call KDF when  
rainfall at ISW.

# EQUIPMENT CLEANING CHECKLIST

Site **SIXTH**

Date **6/14/00** Time **0915**

Serviced By: **JRC/BWN**

**NO**

**Data Downloaded to DTU?**

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

**WATER QUALITY SAMPLER MAINTENANCE LOG SHEET**

SITE	SIXTH		DATE	6/14/00	
ARRIVAL TIME	0840	DEPARTURE TIME	0915	SERVICED BY	RWN/JRC
SAMPLER MODEL NUMBER	800		SAMPLER SERIAL/ ASSET NUMBER		
PT SERIAL NUMBER/ ASSET NUMBER			RAINGAGE SERIAL/ ASSET NUMBER		

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	GOOD <input checked="" type="checkbox"/> FAIR <input type="checkbox"/> POOR	YES <input checked="" type="checkbox"/> NO	YES <input checked="" type="checkbox"/> NO	11.3 volts
SOLAR PANEL	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD FAIR POOR	YES <input checked="" type="checkbox"/> NO	YES <input checked="" type="checkbox"/> NO	
RAINGAGE	YES <input checked="" type="checkbox"/> NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD FAIR POOR	YES <input checked="" type="checkbox"/> NO	YES <input checked="" type="checkbox"/> NO	60 length (feet)
SAMPLER PUMP TUBING	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD FAIR POOR	YES <input checked="" type="checkbox"/> NO	YES <input checked="" type="checkbox"/> NO	
SAMPLER DISTRIBUTOR TUBING	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD FAIR POOR	YES <input checked="" type="checkbox"/> NO	YES <input checked="" type="checkbox"/> NO	
DEPTH SENSOR	YES <input type="checkbox"/> NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES <input checked="" type="checkbox"/> NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES <input checked="" type="checkbox"/> NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS Reinstalled sampler (single bottle setup is new).

Reprogrammed for summer. Flushed tubing. Restarted sampler.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	SIXTH		DATE	6/19/00	
ARRIVAL TIME	1130	DEPARTURE TIME	1140	SERVICED BY	Jrc/Rwm
SAMPLER MODEL NUMBER	800		SAMPLER SERIAL/ASSET NUMBER		
PT SERIAL NUMBER/ASSET NUMBER			RAINGAGE SERIAL/ASSET NUMBER		

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES <input checked="" type="checkbox"/> 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 <input checked="" type="checkbox"/> NO	GOOD FAIR POOR	YES <input checked="" type="checkbox"/> NO	YES <input checked="" type="checkbox"/> NO	
RAINGAGE	YES <input checked="" type="checkbox"/> NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES <input checked="" type="checkbox"/> NO	GOOD FAIR POOR	YES <input checked="" type="checkbox"/> NO	YES <input checked="" type="checkbox"/> NO	length (feet)
SAMPLER PUMP TUBING	YES <input checked="" type="checkbox"/> NO	GOOD FAIR POOR	YES <input checked="" type="checkbox"/> NO	YES <input checked="" type="checkbox"/> NO	
SAMPLER DISTRIBUTOR TUBING	YES <input checked="" type="checkbox"/> 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 <input checked="" type="checkbox"/> NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES <input checked="" type="checkbox"/> NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANEED SAMPLE INTAKE TUBING	YES <input checked="" type="checkbox"/> NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS

RAINFALL = 0.06 in.

Phone tone OK.

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WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	6 <sup>th</sup> & Horne		DATE	6/21/06
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY	<i>Reed</i>
SAMPLER MODEL NUMBER			SAMPLER SERIAL/ ASSET NUMBER	
PT SERIAL NUMBER/ ASSET NUMBER			RAINGAGE SERIAL/ ASSET NUMBER	

	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	
Cables / Connections	YES NO	GOOD FAIR POOR	YES NO	YES NO	
Raingage / Funnel / Screen	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL

NOTES / ACTIONS *check station, 0.06 rain. Left sunny*  
*Reed*

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WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Gut & Harne		DATE	6/27/00
ARRIVAL TIME	9:00	DEPARTURE TIME	9:20	SERVICED BY <i>Reed</i>
SAMPLER MODEL NUMBER			SAMPLER SERIAL/ ASSET NUMBER	
PT SERIAL NUMBER/ ASSET NUMBER			RAINGAGE SERIAL/ ASSET NUMBER	

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	GOOD FAIR <input checked="" type="checkbox"/> POOR	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Backup 5.5 Replace 12.7 volts
SOLAR PANEL	YES <input type="checkbox"/> NO N/A	GOOD FAIR POOR	YES <input type="checkbox"/> NO	YES <input type="checkbox"/> NO	
Cables / Connections	YES <input type="checkbox"/> NO	GOOD FAIR POOR	YES <input type="checkbox"/> NO	YES <input type="checkbox"/> NO	
Raingage / Funnel / Screen	YES <input type="checkbox"/> NO	GOOD FAIR POOR	YES <input type="checkbox"/> NO	YES <input type="checkbox"/> NO	
SAMPLER DISTRIBUTOR TUBING	YES <input type="checkbox"/> NO	GOOD FAIR POOR	YES <input type="checkbox"/> NO	YES <input type="checkbox"/> NO	
CLEANED SAMPLE INTAKE TUBING	YES <input type="checkbox"/> NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES <input type="checkbox"/> NO	GOOD FAIR POOR	N/A	N/A	mL

NOTES / ACTIONS *Electrode 17.5 Battery backup now 12.7 changed out.*  
*Review program, Everything correct in program. check phone,*  
*tone good, check tube, good. Leave 2 fuses for sampler*  
*Reed*

# FCD/USGS STORMWATER O&M LOG SHEET

SITE	6 <sup>th</sup> St + Horne		DATE	6/29/00	
ARRIVAL TIME	1220	DEPARTURE TIME	1230	SERVICED BY	
SAMPLER		SIGMA OR ISCO		MODEL NUMBER	800 900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>Revised 0.08 No sample return</i>
2	<i>(Signature)</i>
3	

# STORM EVENT LOG SHEET

1. Site: SIXTH Your Name: JRC

2. Date: 7/1/00 Time: 0045

## SAMPLER PARAMETERS

3. Rainfall: 0.01 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.

< 0.1 in rainfall  
No samples.

8. Battery voltage: \_\_\_\_\_ volts

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

## FIELD PARAMETERS

10. Discharge (flow) at time of grabs \_\_\_\_\_ cfs

11. pH \_\_\_\_\_ su

12. Temperature \_\_\_\_\_ deg. C

## GRAB SAMPLES Take grabs from discharge only!

13. Grab samples taken? **Yes or No?**

14. Preservatives added to bottles? **Yes or No?**

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>6<sup>th</sup> ST &amp; Horne</i>		DATE	<i>07/05/00</i>	
ARRIVAL TIME	<i>1030</i>	DEPARTURE TIME	SERVICED BY <i>(Jeen)</i>		
SAMPLER	SIGMA OR ISCO <i>(Sigma)</i>		MODEL NUMBER	<i>(800)</i>	900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="checkbox"/> YES NO	<i>Good</i>
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	<input checked="" type="checkbox"/> YES NO	<i>Okay</i>
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

*Review program, Okay*

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.
1
2
3

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	6 <sup>th</sup> ST & Home		DATE	7/12/00	
ARRIVAL TIME	730	DEPARTURE TIME	740	SERVICED BY	<i>(Signature)</i>
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	<u>800</u>	900      other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<u>YES</u> NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

*Program running. check for spare fuses.*

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.
1
2
3

# FCD/USGS STORMWATER O&M LOG SHEET

SITE	6 <sup>th</sup> St & Home		DATE	7/20/00	
ARRIVAL TIME	8:15	DEPARTURE TIME	8:25	SERVICED BY	[Signature]
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<u>YES</u> NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<u>YES</u> NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

*PT Read 0.12, water draining into drain. Looks Good.*

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	
2	
3	

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	G <sup>4</sup> ST & Herne		DATE	7/25/00	
ARRIVAL TIME	1055	DEPARTURE TIME	1110	SERVICED BY	<i>(Signature)</i>
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

Copy data to DTU #1 cell #2

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	
2	
3	

# STORM EVENT LOG SHEET

1. Site: SIXTH

Your Name: COX/SUTTON

2. Date: 7/31/00

Time: 0350

## SAMPLER PARAMETERS

3. Rainfall: 0.09 in

4. Flow: 0.00 cfs

5. Level: 0.07 in

6. Velocity: \_\_\_\_\_ ft/sec

- 1) Phone tone OK.
- 2) Rainfall 0.09 in
- 3) Bottle empty
- 4) Download data to cell #3
- 5) Restart sampler

## O&M PARAMETERS

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

Sampling criteria not met.

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 \_\_\_\_\_ su

12. Temperature \_\_\_\_\_ deg. C

GRAB SAMPLES Take grabs from discharge only!

13. Grab samples taken? Yes or No?

14. Preservatives added to bottles? Yes or No?

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	6 <sup>th</sup> STS Herne		DATE	8/3/00	
ARRIVAL TIME	8:10	DEPARTURE TIME	8:20	SERVICED BY	
SAMPLER		<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	<input checked="" type="radio"/> 800 <input type="radio"/> 900      other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	<i>Good</i>
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>Left running data copied out unit</i>
2	
3	

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	6 <sup>th</sup> ST & Horne		DATE	8/10/00	
ARRIVAL TIME	8:45	DEPARTURE TIME	8:55	SERVICED BY	
SAMPLER		SIGMA OR ISCO	MODEL NUMBER		800      900      other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	<input checked="" type="radio"/> YES NO	checked pump and tube
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	Re Start program      0.03 in rainfall
2	
3	

# FCD/USGS STORMWATER O&M LOG SHEET

SITE	6 <sup>th</sup> St & Horne		DATE	8/15/00	
ARRIVAL TIME	9:27	DEPARTURE TIME	9:40	SERVICED BY	<i>(Signature)</i>
SAMPLER	<input checked="" type="checkbox"/> SIGMA OR ISCO		MODEL NUMBER	<input checked="" type="checkbox"/> 800	<input type="checkbox"/> 900 <input type="checkbox"/> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="checkbox"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="checkbox"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	<i>Run Pump, check hoses.</i>
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>Re Start program</i>
2	
3	

# STORM EVENT LOG SHEET

1. Site: Home + 6<sup>th</sup> St

Your Name: Sutton, Cox, Siegfried

2. Date: 8-18-00

Time: 0011 hrs

## SAMPLER PARAMETERS

3. Rainfall: .05 in

4. Flow: .001 cfs

5. Level: .18 in

6. Velocity: 0 ft/sec

## O&M PARAMETERS

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

Sampler didn't activate

0.05 in didn't meet criteria to sample

8. Battery voltage: N/A 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 N/A cfs

11. pH N/A su

12. Temperature N/A 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 **Home + 6th St Mesa I # 4545**

Date **8-19-00** Time **10:00A**

Serviced By: **Siegfried, Sutton**

**NO**

**Data Downloaded to DTU?**

- Checked raingauge at SW corner Home + 6th St.  
10/17 ft. extension ladder. Funnel clear.  
Raingauge elevation 12 ft. above grade.
1. Halt program
  2. Connect extension tubing to the distributor tubing on the underside of the sampler.
  3. Press the Purge Key on 800 models or the Manual key on 900 models.
  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.

## STORMWATER O&M LOG SHEET

SITE	6 <sup>th</sup> STREET & HORNE		DATE	8/19/00	
ARRIVAL TIME	17:12	DEPARTURE TIME	SERVICED BY		JRC & DJS
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="radio"/> YES NO	CHECKED EARLIER IN DAY
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	DOWNLOAD DATA TO DTU #1065 CELL #3
2	RESTART PROGRAM
3	

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	C <sup>ry</sup> St & Horne		DATE	08/28/00		
ARRIVAL TIME	1105	DEPARTURE TIME	1115	SERVICED BY	(Signature)	
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	<input checked="" type="radio"/> 800	<input type="radio"/> 900	<input type="radio"/> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	Rain 0.09 Flow 0.01 Level OK
2	Sampler waiting on Rain & Flow. Copy data cell # 2
3	

# EQUIPMENT CLEANING CHECKLIST

Site 6<sup>th</sup> ST & Horne

Date 8/30/00 Time 1:40 PM

Serviced By: (Rur) (JRP)

*cell #2*

Data Downloaded to DTU?

*clean base, empty ke water, copy data and  
no start program*

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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 **6<sup>th</sup> ST & Horne**

Date **8/31/00** Time **7:55**

Serviced By:

*cell # 7*  
Data Downloaded to DTU?

- 1. Halt program *No samples in sampler* *Flow 0.08*
- 2. Connect extension tubing to the distributor tubing on the underside of the sampler. *Restart program* *Rain 0.51*
- 3. Press the Purge Key on 800 models or the Manual key on 900 models.
- 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.

# FCD/USGS STORMWATER O&M LOG SHEET

SITE	6 <sup>th</sup> ST & Herne		DATE	09/05/00	
ARRIVAL TIME	8:30	DEPARTURE TIME	8:40	SERVICED BY	
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	<input checked="" type="radio"/> 800	<input type="radio"/> 900
			other		

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>check program, re start program</i>
2	
3	

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	6 <sup>th</sup> ST & Horne		DATE	9/11/00	
ARRIVAL TIME	8:55	DEPARTURE TIME	8:45	SERVICED BY	(Signature)
SAMPLER	(Sigma) OR ISCO		MODEL NUMBER	(800)	900      other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	(YES) NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	(YES) NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquiniox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	Level read 0.02 No Flow, No Rain, Re Start program
2	
3	

# FCD/USGS STORMWATER O&M LOG SHEET

SITE	6 <sup>th</sup> ST + Home		DATE	9/19/00	
ARRIVAL TIME	750	DEPARTURE TIME	800	SERVICED BY	<i>[Signature]</i>
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<u>YES</u> NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<u>YES</u> NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinol, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>Restart program</i>
2	
3	

# FCD/USGS STORMWATER O&M LOG SHEET

SITE	6 <sup>th</sup> St + Herne		DATE	9/26/06	
ARRIVAL TIME	745	DEPARTURE TIME	755	SERVICED BY	(Signature)
SAMPLER	<input checked="" type="radio"/> SIGMA OR <input type="radio"/> ISCO		MODEL NUMBER	<input checked="" type="radio"/> 800 <input type="radio"/> 900 <input type="radio"/> other	

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volt
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	<input checked="" type="radio"/> YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>Restart program.</i>
2	
3	

# FCD/USGS STORMWATER O&M LOG SHEET

SITE	6 <sup>th</sup> ST + Home		DATE	10/2/00	
ARRIVAL TIME	847	DEPARTURE TIME	858	SERVICED BY	
				<i>pen</i>	
SAMPLER	<u>SIGMA</u> OR ISCO		MODEL NUMBER	<u>800</u>	900      other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<u>YES</u> NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<u>YES</u> NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	<u>YES</u> NO	<i>pump, good</i>
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>No start program</i>
2	
3	

# STORM EVENT LOG SHEET

1. Site: SIXTIT Your Name: JAC/SEP

2. Date: 10/4/00 Time: 1330

## SAMPLER PARAMETERS

3. Rainfall: 0.0 in
4. Flow: 0.0001 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 \_\_\_\_\_ su
12. Temperature \_\_\_\_\_ 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

Horne & 6<sup>th</sup> St.

Date

10-6-00

Time

10:46 AM

Serviced By:

Larry Dickens



Data Downloaded to DTU?

DL #7 cell 1065

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

## STORMWATER O&M LOG SHEET

SITE	SIXTIT		DATE	10/08/00	
ARRIVAL TIME	1530	DEPARTURE TIME	SERVICED BY		JEC/JAS
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	RESTARTED. CHECKED PROGRAM 0.01 in
2	Iced composite
3	

# STORM EVENT LOG SHEET

1. Site: Horne / 6<sup>th</sup> St

Your Name: Sutton

2. Date: 10-10-00

Time: 9:50 A

5:00 AM - 8:34 AM - Storm Duration

## SAMPLER PARAMETERS

3. Rainfall: .88 in

4. Flow: .059 cfs

5. Level: 1.19 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 .059 cfs

11. pH 8.5 su

12. Temperature 20 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 Home / 16<sup>th</sup> St

Date 10-10-00 Time 14:15p

Serviced By: Sutton

10/11/00

Copy data cell #2 10/11/00 Rain Read 1.20 Difference .24

NO

to-resume dtu

Data Downloaded to DTU?

Flow- $\phi$ , Rain-.96in, Level-.07in

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

# FCD/USGS STORMWATER O&M LOG SHEET

SITE	6 <sup>th</sup> St & Harne		DATE	10/16/00	
ARRIVAL TIME	855	DEPARTURE TIME	905	SERVICED BY	Ned
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900
				other	

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<u>YES</u> NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<u>YES</u> NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liguinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.
1 Check station, phone and restart program
2
3

# STORM EVENT LOG SHEET

1. Site: Horne/Sixth Your Name: Sutton  
2. Date: 10-2-00 Time: 2244

## SAMPLER PARAMETERS

3. Rainfall: .23 in  
4. Flow: 1002 cfs  
5. Level: .22 in  
6. Velocity: \_\_\_\_\_ ft/sec

1600  
start

## O&M PARAMETERS

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

8. Battery voltage: 7 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 \_\_\_\_\_ su  
12. Temperature \_\_\_\_\_ 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 Herne / South

Date 10-22 Time 1230

Serviced By: Sutton

YES

## Data Downloaded to DTU?

Cell # 2 Serial # 1065 Rain - .61 in / Level - .13 in / Flow - .001 CFS

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

# STORM EVENT LOG SHEET

1. Site: Doone + 6<sup>th</sup>

Your Name: Sutton

2. Date: 10-27-00

Time: 1640

## SAMPLER PARAMETERS

3. Rainfall: .37 in

Storm Start - 1300

4. Flow: .009 cfs

5. Level: .49 in

6. Velocity: 0 ft/sec

## O&M PARAMETERS

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

Sampler not sampling

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 .009 cfs

11. pH 8.5 su

12. Temperature 17° 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 Home # 6<sup>th</sup>

Date 10-28-00 Time 10:32

Serviced By: Sutton

TOTAL Rainfall - .79" in Halt for 72 hrs until 6:00am - 10-31-00

Yes

Data Downloaded to DTU?

Cell # 6 Serial # 1065

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

# STORM EVENT LOG SHEET

1. Site: Home & 6th

Your Name: Sutton

2. Date: 11-6-00

Time: 1245

## SAMPLER PARAMETERS

3. Rainfall: .34 in

4. Flow: .013 cfs

5. Level: .58 in

6. Velocity: \_\_\_\_\_ ft/sec

Halt for 7300, Restart

Storm Start: 1045  
Storm End: 1445

## 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 \_\_\_\_\_ su

12. Temperature \_\_\_\_\_ 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 Hornup # 674 .34" Rain

Date 11-7-00 Time 2005

Serviced By: Sutton

Yes

## Data Downloaded to DTU?

Cell #2 Serial #1065, Program Halted

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

Desiccant on sampler turned pink, Auto Dialer found unplugged + Zoom Box  
Made Reconnection, Crystals on depth sensor have turned pink, 72 HOUR  
Restart 11-9-00 @ 1730

# S. JRM EVENT LOG SHEET

1. Site: Horne / 6<sup>th</sup> Your Name: Sutton  
2. Date: 11-10-00 Time: 2230

## SAMPLER PARAMETERS

Storm Start - 1930  
Storm end - 1930  
Duration - 0

3. Rainfall: .06 in  
4. Flow: ✓ cfs  
5. Level: .10 in  
6. Velocity: \_\_\_\_\_ ft/sec

## O&M PARAMETERS

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

No Sufficient Rainfall

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 \_\_\_\_\_ su  
12. Temperature \_\_\_\_\_ deg. C

## GRAB SAMPLES Take grabs from discharge only!

13. Grab samples taken? Yes or **No**?

14. Preservatives added to bottles? Yes or **No**?

**Lindsay (Mesa 2)**

**near Broadway and Lindsay Roads (Windsor)**

# WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

<b>SITE</b>	LINDSAY	<b>DATE</b>	1/5/00
<b>ARRIVAL TIME</b>		<b>DEPARTURE TIME</b>	1700
<b>SAMPLER MODEL NUMBER</b>		<b>SAMPLER SERIAL/ ASSET NUMBER</b>	
<b>PT SERIAL NUMBER/ ASSET NUMBER</b>		<b>RAINGAGE SERIAL/ ASSET NUMBER</b>	

	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	
RAINGAGE	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** Checked station + phone. Restarted program.

Checked program.

\_\_\_\_\_  
 \_\_\_\_\_

# WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

	<i>Bloodwin &amp; Lindsey</i>		<i>1-12-000</i>
			<i>(Pen)</i>

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE					volta
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAGE	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 stationary program and phone. Restart program*

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*(Pen)*

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WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

	<i>Moody &amp; Lindsey</i>		<i>1-18-00</i>
			<i>(New)</i>

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE					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	
RAINGAGE	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 restart program*

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*(New)*

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WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

	<i>Dhoolwan &amp; Lind Say</i>		<i>1-24-00</i>
			<i>(Rev)</i>

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE					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	
RAINGAGE	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, phone, ReStart + program*

*(Rev)*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

STATION SITE	Broadway & Lindsay	DATE	01-31-00
ARRIVAL TIME		DEPARTURE TIME	(noon)
WATER QUALITY		WATER QUALITY	
WATER QUALITY		WATER QUALITY	

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE					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	
RAINGAGE	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 and phone. Restart program and  
confirm program is running.

(noon)

Manhole located: 32 feet west of station house in S/W corner drive  
way of shopping center off Broadway Road



WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

OPERATOR	LINDSAY <i>Jackson &amp; McAdway</i>	DATE	02/03/00
ARRIVAL TIME		DEPARTURE TIME	<i>Pen</i>
SAMPLER MODEL NUMBER		SAMPLER SERIAL NUMBER	
STATION NUMBER		SAMPLER SERIAL NUMBER	

	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
BATTERY VOLTAGE										volts
SOLAR PANEL										
CONNECTION CABLES										
RAINGAGE										
SAMPLE INTAKE TUBING										length (feet)
SAMPLER PUMP TUBING										
SAMPLER DISTRIBUTOR TUBING										
DEPTH SENSOR										depth (Inch)
CALIBRATE DEPTH SENSOR						N/A		N/A		
CALIBRATE SAMPLE VOLUME						N/A		N/A		mL
CLEANED SAMPLE INTAKE TUBING						N/A		N/A		

NOTES / ACTIONS check station, restart program.

*Pen*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

ARRIVAL DATE	Monday 1/15/00		DATE	02/07/00
ARRIVAL TIME		DEPARTURE TIME		(Rem)
INSTRUMENT MODEL NUMBER		INSTRUMENT SERIAL NUMBER		
INSTRUMENT MODEL NUMBER		INSTRUMENT SERIAL NUMBER		

	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
BATTERY VOLTAGE	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	volts
SOLAR PANEL	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
CONNECTION CABLES	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
RAINGAGE	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*

*(Rem)*

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WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

STATION SITE	Meadway & Lindsey		DATE	02/14/00
ARRIVAL TIME	DEPARTURE TIME	OPERATOR <i>Perce</i>		
SAMPLE MODEL NUMBER	SAMPLER SERIAL NUMBER			
DEPTH SENSOR MODEL NUMBER	DEPTH SENSOR SERIAL NUMBER			

	CHECKED	GOOD	YES	YES	
	NO	FAIR	NO	NO	
	N/A	POOR	NO	NO	
BATTERY VOLTAGE	YES	GOOD	YES	YES	voltage
	NO	FAIR	NO	NO	
	N/A	POOR	NO	NO	
SOLAR PANEL	YES	GOOD	YES	YES	
	NO	FAIR	NO	NO	
	N/A	POOR	NO	NO	
CONNECTION CABLES	YES	GOOD	YES	YES	
	NO	FAIR	NO	NO	
	N/A	POOR	NO	NO	
RANGAGE	YES	GOOD	YES	YES	
	NO	FAIR	NO	NO	
	N/A	POOR	NO	NO	
SAMPLE INTAKE TUBING	YES	GOOD	YES	YES	length (feet)
	NO	FAIR	NO	NO	
	N/A	POOR	NO	NO	
SAMPLER PUMP TUBING	YES	GOOD	YES	YES	
	NO	FAIR	NO	NO	
	N/A	POOR	NO	NO	
SAMPLER DISTRIBUTOR TUBING	YES	GOOD	YES	YES	
	NO	FAIR	NO	NO	
	N/A	POOR	NO	NO	
DEPTH SENSOR	YES	GOOD	YES	YES	depth (Inch)
	NO	FAIR	NO	NO	
	N/A	POOR	NO	NO	
CALIBRATE DEPTH SENSOR	YES	GOOD	N/A	N/A	
	NO	FAIR	N/A	N/A	
	N/A	POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES	GOOD	N/A	N/A	mL
	NO	FAIR	N/A	N/A	
	N/A	POOR	N/A	N/A	
CLEANED SAMPLE INTAKE TUBING	YES	GOOD	N/A	N/A	
	NO	FAIR	N/A	N/A	
	N/A	POOR	N/A	N/A	

NOTES/ACTIONS *Re Start program*

*Perce*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

STATION	<i>Reading &amp; Lincoln</i>	BAT	<i>02/17/00</i>
ARRIVAL TIME		DEPARTURE TIME	<i>(Kew)</i>
OPERATOR		ASSISTANT OPERATOR	
PROJECT NUMBER		WATER QUALITY NUMBER	

	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
BATTERY VOLTAGE	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	voltage
SOLAR PANEL	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
CONNECTION CABLES	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
RAINGAGE	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*  
*(Kew)*

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WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

8176	Deployment / Location	DATE	02/21/00
ARRIVAL TIME			Keep
		SAMPLER SERIAL NUMBER	
		SAMPLER SERIAL NUMBER	

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE					voltage
SOLAR PANEL					
CONNECTION CABLES					
RAINGAGE					
SAMPLE INTAKE TUBING					length (feet)
SAMPLER PUMP TUBING					
SAMPLER DISTRIBUTOR TUBING					
DEPTH SENSOR					depth (Inch)
CALIBRATE DEPTH SENSOR			N/A	N/A	
CALIBRATE SAMPLE VOLUME			N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING			N/A	N/A	

NOTES/ACTIONS check Station, ice baffles and restart program. 0.00 reading at

1320

Keep & (JLD)

0.00 reading at 2100

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	<i>Bleeders Lindsay</i>		DATE	<i>02/24/00</i>	
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY <i>(Signature)</i>		
SAMPLER MODEL NUMBER		SAMPLER SERIAL ASSET NUMBER			
PT SERIAL NUMBER / ASSET NUMBER		RAINGAGE SERIAL ASSET NUMBER			

	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	
RAINGAGE	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 *No Rain Recorded. Empty base of ice and restart program. Did not copy data, cell 4*  
*(Signature)*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE <i>Lindby &amp; Broadway</i>	DATE <i>02/28/00</i>	
ARRIVAL TIME	DEPARTURE TIME	SERVICED BY <i>(Signature)</i>
SAMPLER MODEL NUMBER	SAMPLER SERIAL ASSET NUMBER	
PT. SERIAL NUMBER ASSET NUMBER	RAINGAGE SERIAL ASSET NUMBER	

	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	
RAINGAGE	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, restart program*  
*(Signature)*

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WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE <i>Brookley's Ferry</i>		DATE <i>03/02/00</i>	
ARRIVAL TIME	DEPARTURE TIME	SERVICED BY <i>Neer</i>	
SAMPLER MODEL NUMBER		SAMPLER SERIAL ASSET NUMBER	
PT SERIAL NUMBER ASSET NUMBER		RAINGAGE SERIAL ASSET NUMBER	

	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	
RAINGAGE	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, re-start program*

*Neer*

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WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

STATION	Broadway + Lindsay		DATE	03/05/00	
ARRIVAL TIME		DEPARTURE TIME	OPERATOR	<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">Kus</span> <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">PLP</span>	
WATER MODEL NUMBER		WATER SERIAL NUMBER			
DEPT. MODEL NUMBER		DEPT. SERIAL NUMBER			

	OPERATIONAL	NOTICE	REPAIR	REPLACE	UNIT
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	
RAINGAGE	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 ~~Copy data to CD #5~~ No data copied, Funnel  
 Station. Station unable to record rain. Shut Station  
 down.

Kus

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

WQMS SITE	Brooklyn + DeWitt		DATE	03/07/00
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY	Allen
SAMPLER MODEL NUMBER		SAMPLER SERIAL ASSET NUMBER		
PT SERIAL NUMBER ASSET NUMBER		RAINGAGE SERIAL ASSET NUMBER		

	CHECKED / SERVICE / CALIBRATED	CONDITION	TESTED	RECALIB	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	
RAINGAGE	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 and replace funnel. Resume program.  
 No data to copy, data copied last visit.

*Allen*

# EQUIPMENT CLEANING CHECKLIST

Site *Dreadway & Lindsay*

Date *03/09/00* Time *1030*

Serviced By: *(Signature)*

## Data Downloaded to DTU?

*Data copied 03/07/00 Funnel replaced 03/07/00*

1. Halt program *(check pump tubing, phone okay)*
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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 hose pinched, connected. Roller caused!*

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.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

DATE	03/13/00	
SITE	Moundway Lindsey	
ARRIVAL TIME	DEPARTURE TIME	SERVOLED BY <i>(Signature)</i>
SAMPLER MODEL NUMBER	SAMPLER SERIAL ASSET NUMBER	
PT SERIAL NUMBER ASSET NUMBER	RAINGAGE SERIAL ASSET NUMBER	

	CHECKED SERVOLED CALIBRATED	CONDITION	DEPTH (feet)	DEPTH (inch)	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	
RAINGAGE	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, pump hose and phone. ReStart program*

*(Signature)*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

<b>LOCATION</b> SITE	Linderoo Roadway		<b>DATE</b>	03/16/00
<b>ARRIVAL TIME</b>		<b>DEPARTURE TIME</b>	<b>SERVED BY</b>	<i>(Signature)</i>
<b>SAMPLER MODEL NUMBER</b>		<b>SAMPLER SERIAL NUMBER</b>		
<b>TRAILER MODEL NUMBER</b>		<b>TRAILER SERIAL NUMBER</b>		

	<b>CHECKED</b> <b>RECALIBRATED</b>	<b>CONDITION</b>	<b>OPERATIONAL</b>	<b>FUNCTIONAL</b>	<b>NOTES</b>
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RANGAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
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	
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES: ACTION: *a check site, restart program*

*(Signature)*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

WQAS SITE	<i>Shuaders &amp; Lindsay</i>	DATE	<i>03/20/00</i>
ARRIVAL TIME		DEPARTURE TIME	
SAMPLER MODEL NUMBER		SAMPLER SERIAL NUMBER	<i>seen</i>
PT SERIAL NUMBER / ASSET NUMBER		LOG SERIAL NUMBER / ASSET NUMBER	

	CHECKED / SERVICED / CALIBRATED	CONDITION	TESTED	RECALIBRATED	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
FRANGAGE	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	
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES: ACTION *check site, phone and restart program*

*seen*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

ARRIVAL DATE	03/23/00	DEPARTURE DATE	
SAMPLER MODEL NUMBER		SERIAL NUMBER	
OPERATOR NUMBER		ASSISTANT NUMBER	

	CHECK CALIBRATED	CONDITION	YES	NO	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	
RAINGAGE	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	TL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES ACTIONS check station, phone and tube, Restart program  
Reem

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

1. SITE NAME	Lindsay + Woodway		2. DATE	03/27/00
3. ARRIVAL TIME		4. DEPARTURE TIME	5. SERVICED BY	(Pleer)
6. SAMPLER MODEL NUMBER		7. SAMPLER SERIAL NUMBER		
8. PUMP SERIAL NUMBER		9. RAINGAGE SERIAL NUMBER		

	CHECKED / SERVICED / CALIBRATED	CONDITION	DEPTH	VOLUME	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	
RAIN GAGE	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 (inches)
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, phone, pump hose, Restart program.

(Pleer)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Meadow Springs Lindsey		DATE	03/28/00
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY	PLW
WATER METER MODEL NUMBER		WATER METER SERIAL NUMBER		
DISPERSER MODEL NUMBER		DISPERSER SERIAL NUMBER		

	CHECKED / CALIBRATED	CONTACT			NOTE
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	
RAINGAGE	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 rain 0113 as of 0720 No  
 Samples taken  
 PLW

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Moundway & Lindsay		DATE	03/30/06
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY	Reen
SAMPLER MODEL NUMBER			DATE/SERIAL ASSET NUMBER	
PT SERIAL NUMBER ASSET NUMBER			RAINGAGE/SERIAL ASSET NUMBER	

data cell # 6

	CHECKED/SERVICED/CALIBRATED	CONDITION	REPAIRS	REPLACEMENTS	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAGE	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 & pump	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 (inches)
CAL BRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CAL BRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	TL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES/ACTIONS: check Station, copy data, Seal holes, Belts and wire. ReStart program  
 Reen

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Breadway, Lindsay		BAT	04/05/00
ARRIVAL TIME		DEPARTURE TIME		Notes
SAMPLER MODEL NUMBER		SERIAL NUMBER		
CONTROL NUMBER		SERIAL NUMBER		

	CHECKED	STATUS	YES	NO	NOTE
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	
RAINGAGE	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)
CAL BRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CAL BRATE 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 Shot off sampler, copy data at later date.  
 Remove bottles for cleaning  
 (Signature)

# WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	LINDSAY			DATE	4/25/00
ARRIVAL TIME	FCD Shop	DEPARTURE TIME	FCD Shop	SERVICED BY	RWH
SAMPLER MODEL NUMBER	800			SAMPLER SERIAL/ ASSET NUMBER	
PT SERIAL NUMBER/ ASSET NUMBER				RAINGAGE SERIAL/ ASSET NUMBER	

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	12.9 volts
SOLAR PANEL	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	
CONNECTION CABLES	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
RAINGAGE	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	
SAMPLE INTAKE TUBING	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	length (feet)
SAMPLER PUMP TUBING	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
SAMPLER DISTRIBUTOR TUBING	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
DEPTH SENSOR	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	depth (inch)
CALIBRATE DEPTH SENSOR	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input checked="" type="checkbox"/> N/A	<input checked="" type="checkbox"/> N/A	
CALIBRATE SAMPLE VOLUME	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input checked="" type="checkbox"/> N/A	<input checked="" type="checkbox"/> N/A	mL
CLEANED SAMPLE INTAKE TUBING	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input checked="" type="checkbox"/> N/A	<input checked="" type="checkbox"/> N/A	

NOTES / ACTIONS SCHEDULED MAINTENANCE COMPLETED

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# WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	LINDSAY		DATE	6/13/00	
ARRIVAL TIME	0855	DEPARTURE TIME	0920	SERVICED BY	JRC/RWH
SAMPLER MODEL NUMBER		800		SAMPLER SERIAL/ ASSET NUMBER	
PT SERIAL NUMBER/ ASSET NUMBER				RAINGAGE SERIAL/ ASSET NUMBER	

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	volts
SOLAR PANEL	<input type="checkbox"/> YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	
CONNECTION CABLES	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
RAINGAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> GOOD <input checked="" type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<i>Tipping bucket screen missing; will replace.</i>
SAMPLE INTAKE TUBING	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	length (feet)
SAMPLER PUMP TUBING	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
SAMPLER DISTRIBUTOR TUBING	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	
DEPTH SENSOR	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	depth (inch)
CALIBRATE DEPTH SENSOR	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input checked="" type="checkbox"/> N/A	<input checked="" type="checkbox"/> N/A	
CALIBRATE SAMPLE VOLUME	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input checked="" type="checkbox"/> N/A	<input checked="" type="checkbox"/> N/A	mL
CLEANED SAMPLE INTAKE TUBING	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input checked="" type="checkbox"/> N/A	<input checked="" type="checkbox"/> N/A	

NOTES / ACTIONS Reprogrammed for summer. Restarted sampler.

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# EQUIPMENT CLEANING CHECKLIST

Site **LINDSAY**

Date **6/13/00** Time **0920**

Serviced By: **RWH/JRC**

No

Data Downloaded to DTU?

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	LINDSAY		DATE	6/19/00	
ARRIVAL TIME	1220	DEPARTURE TIME	1230	SERVICED BY	JRC/RWN
SAMPLER MODEL NUMBER			SAMPLER SERIAL/ASSET NUMBER		
PT SERIAL NUMBER/ASSET NUMBER			RAINGAGE SERIAL/ASSET NUMBER		

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

NOTES / ACTIONS

RAIN FALL 0.05 in.

Phone tone OK.

Restarted sampler.

Funnel clean (screen missing).

**WATER QUALITY SAMPLER MAINTENANCE LOG SHEET**

Brookway & Lindberg		6/20/00	
		(Paw)	

	YES NO	GOOD FAIR POOR	YES NO	YES NO	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	
Cables / Connections	YES NO	GOOD FAIR POOR	YES NO	YES NO	
Raingage / Funnel / Screen	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL

NOTES/ACTIONS *check Battery and Electric power: Battery 13.4*  
*Electric 17.4*

*check funnel raingage. Okay*

(Paw)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	<i>Bloodway Lindsay</i>		DATE	<i>6/21/00</i>
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY <i>Run</i>	
SAMPLER MODEL NUMBER		SAMPLER SERIAL/ ASSET NUMBER		
PT SERIAL NUMBER/ ASSET NUMBER		RAINGAGE SERIAL/ ASSET NUMBER		

	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	
Cables / Connections	YES NO	GOOD FAIR POOR	YES NO	YES NO	
Raingage / Funnel / Screen	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL

NOTES / ACTIONS *check station, 0.04 rain program running*

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*Run*

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WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE <i>Biscaya &amp; Lindsey</i>		DATE <i>6/27/00</i>	
ARRIVAL TIME <i>1035</i>	DEPARTURE TIME <i>1100</i>	SERVICED BY <i>(Plex)</i>	
SAMPLER MODEL NUMBER		SAMPLER SERIAL/ ASSET NUMBER	
PT SERIAL NUMBER/ ASSET NUMBER		RAINGAGE SERIAL/ ASSET NUMBER	

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE <i>Electric 17.5</i>	YES NO	GOOD FAIR POOR	YES NO	YES NO	<i>13.5</i> volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
Cables / Connections	YES NO	GOOD FAIR POOR	YES NO	YES NO	
Raingage / Funnel / Screen	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL

NOTES / ACTIONS *check station, program, phone and battery & electric power. 17.5 check tube, okay. review program. Reorder summer program 500. Everything looks good*  
*(Plex)*

# EQUIPMENT CLEANING CHECKLIST

Site Moody + Leidy

Date 6/29/00 Time 135

Serviced By: Allen

NO

Data Downloaded to DTU?

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

- |                                     |   |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | Pump approximately 1/2 gallon tap water through tubing.           |
| <input checked="" type="checkbox"/> | Pump approximately 1/2 gallon of Liquinox through tubing.         |
| <input checked="" type="checkbox"/> | Pump a large quantity of tap water through tubing.                |
| <input checked="" type="checkbox"/> | Pump a small amount of Nitric Acid (pH 3 - 4) through tubing.     |
| <input checked="" type="checkbox"/> | 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.

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Almaden &amp; Lindero</i>		DATE	<i>6/29/00</i>	
ARRIVAL TIME	<i>135</i>	DEPARTURE TIME	<i>200</i>		
SAMPLER		<u>SIGMA</u> OR ISCO	MODEL NUMBER	<u>800</u>	900      other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.
<i>1 clean bottles, Flush lines ReStart program</i>
<i>2 Rain: 0.22      Flow 0.421      Level 310      3 bottles sampled</i>
<i>3</i>

# STORM EVENT LOG SHEET

1. Site: LINDSAY

Your Name: JRC

2. Date: 7/1/00

Time: 0615

## SAMPLER PARAMETERS

3. Rainfall: 0.02 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.

RAINFALL < 0.1 in. - 1 bottle full.

8. Battery voltage: \_\_\_\_\_ volts

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

## FIELD PARAMETERS

10. Discharge (flow) at time of grabs \_\_\_\_\_ cfs

11. pH \_\_\_\_\_ su

12. Temperature \_\_\_\_\_ deg. C

GRAB SAMPLES Take grabs from discharge only!

13. Grab samples taken? **Yes or No?**

14. Preservatives added to bottles? **Yes or No?**

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Broadway Lindsay</i>		DATE	<i>7/05/00</i>	
ARRIVAL TIME	<i>1155</i>	DEPARTURE TIME	<i>1210</i>		
SAMPLER		SIGMA OR ISCO	MODEL NUMBER	800	900      other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	<i>okay</i>
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="radio"/> YES NO	<i>okay &amp; clean</i>
SAMPLE TUBING (intake, pump, distributor)	<input checked="" type="radio"/> YES NO	<i>okay</i>
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

*Review program, okay*

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.
1
2
3

# FCD/USGS STORMWATER O&M LOG SHEET

SITE	Bilwadeeay + Lindsay		DATE	7/20/00	
ARRIVAL TIME	9:25	DEPARTURE TIME	9:40	SERVICED BY	[Signature]
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900
				other	

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="checkbox"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="checkbox"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="checkbox"/> YES NO	clear
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

*Restart program.*

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	
2	
3	

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	Dheadway Lindsay		DATE	7/25/00	
ARRIVAL TIME	12 15	DEPARTURE TIME	1230	SERVICED BY	Neeley
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="checkbox"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="checkbox"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="checkbox"/> YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

Copy data to DTU # 1 Cell # 5

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.
1
2
3

# STORM EVENT LOG SHEET

1. Site: LINDSAY

Your Name: COX/SUTTON

2. Date: 7/31/00

Time: 0300

## SAMPLER PARAMETERS

3. Rainfall: 0.15 in

4. Flow: 0.08 cfs

5. Level: 1.43 in

6. Velocity: ~~0.0~~ ft/sec

- 1) Phone tone OK
- 2) Rainfall 0.15 in
- 3) 1/2 btl full, disconnected
- 4) Download data to cell # 2
- 5) Disconnect tubing
- 6) Restart sampler.

## 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 \_\_\_\_\_ su

12. Temperature \_\_\_\_\_ 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

Date  Time

Serviced By:

yes

Data Downloaded to DTU?

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Meadow + Lindsay</i>		DATE	8/10/00	
ARRIVAL TIME	940	DEPARTURE TIME	955	SERVICED BY	
SAMPLER		<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	<input checked="" type="radio"/> 800 <input type="radio"/> 900     other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="radio"/> YES NO	<i>clear</i>
SAMPLE TUBING (intake, pump, distributor)	<input checked="" type="radio"/> YES NO	<i>checked, pump ok of tube</i>
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>Restart program</i>
2	
3	

# FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Broadway + Leadway</i>		DATE	<i>8/15/00</i>	
ARRIVAL TIME	<i>10:45</i>	DEPARTURE TIME	<i>11:00</i>		SERVICED BY
SAMPLER		<input checked="" type="radio"/> SIGMA OR <input type="radio"/> ISCO	MODEL NUMBER	<input checked="" type="radio"/> 800	900 other

EQUIPMENT CHECKED	YES NO	COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="radio"/> YES NO	<i>clean, need screen</i>
SAMPLE TUBING (intake, pump, distributor)	YES NO	<i>Rey pump, check hoses</i>
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>Restart program</i>
2	
3	

# STORM EVENT LOG SHEET

1. Site: Broadway + Lindsay

Your Name: Sutton, Siegfried, Cox

2. Date: 8-17-00

Time: 2348 HRS

## SAMPLER PARAMETERS

3. Rainfall: .68 in

4. Flow: 4 cfs

5. Level: 9.0 in

6. Velocity: 0 ft/sec

## O&M PARAMETERS

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

3 bottles filled

8. Battery voltage: N/A 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 N/A cfs

11. pH N/A su

12. Temperature N/A deg. C

## GRAB SAMPLES Take grabs from discharge only!

13. Grab samples taken? Yes or No

14. Preservatives added to bottles? Yes or No

# STORM EVENT LOG SHEET

1. Site: LINDSAY

Your Name: Cox/JHS/RTS

2. Date: 8/18/00

Time: 0400

## SAMPLER PARAMETERS

3. Rainfall: 0.68 in

4. Flow: 0 cfs

5. Level: 0 in

6. Velocity: \_\_\_\_\_ ft/sec

## O&M PARAMETERS

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

5 bottles

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 NA cfs

11. pH NA su

12. Temperature NA deg. C

GRAB SAMPLES Take grabs from discharge only!

13. Grab samples taken? Yes or No?

14. Preservatives added to bottles? Yes or No?

Picked up composite at 0500 to deliver to lab.

# EQUIPMENT CLEANING CHECKLIST

Site Broadway & Lindsay Mesa 2 # 6545

Date 8-19-00 Time 11:50a

Serviced By: Seigfried, Sutton

No

Data Downloaded to DTU?

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

## STORMWATER O&M LOG SHEET

SITE	LINDSAY			DATE	8/19/00		
ARRIVAL TIME	16:40	DEPARTURE TIME	17:00	SERVICED BY	JRC / DPS		
SAMPLER	SIGMA OR ISCO			MODEL NUMBER	800	900	other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="radio"/> YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	DATA DOWNLOADED TO DTU # 1065 CELL # 2
2	RESTART PROGRAM; NEED SCREEN FOR RAINGAGE
3	

### FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Lindsay D. Dreyfus</i>		DATE	<i>08/25/00</i>	
ARRIVAL TIME	<i>1210</i>	DEPARTURE TIME	<i>1225</i>	SERVICED BY	<i>(Signature)</i>
SAMPLER	<input checked="" type="radio"/> SIGMA <input type="radio"/> OR <input type="radio"/> ISCO		MODEL NUMBER	<i>800</i>	900      other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	<i>Perform tip count test. <u>Passed.</u></i>
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, Iiquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.
1 <i>Check station, no rain. check Raingauge and</i>
2 <i>Funnel. O'kay. Restart program.</i>
3 <span style="float: right;"><i>(Signature)</i></span>

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>D Academy &amp; Laundry</i>		DATE	<i>8/30/00</i>	
ARRIVAL TIME	<i>905</i>	DEPARTURE TIME	<i>915</i>	SERVICED BY	
		<input checked="" type="radio"/> SIGMA OR ISCO		<i>Ren</i>	<i>Dejo</i>
SAMPLER			MODEL NUMBER	<input checked="" type="radio"/> 800	<input type="radio"/> 900    other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	<i>good</i>
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="radio"/> YES NO	<i>&amp; clear</i>
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>Left running, Data copied last night</i>
2	
3	

# STORM EVENT LOG SHEET

1. Site: Brookley Levee

Your Name: Alan

2. Date: 8/30/00

Time: 1020

## SAMPLER PARAMETERS

3. Rainfall: Total 0.37 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 5 \_\_\_\_\_ su

12. Temperature 24 \_\_\_\_\_ deg. C

*& grabs taken at start of storm.*

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 Broadway & Lindsay

Date 8/30/00 Time \_\_\_\_\_

Serviced By: (RM) & (JH)

*cell #5*

Data Downloaded to DTU?

- Grab at 1620*
1. Halt program
  2. Connect extension tubing to the distributor tubing on the underside of the sampler.
  3. Press the Purge Key on 800 models or the Manual key on 900 models.
  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 *Broadway + Lindsay*

Date *8/31/00* Time *900*

Serviced By: *Allen*

*Cell #9 Rain 0137*



Data Downloaded to DTU?

*No Samples, Sampler Read program complete.*

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	Breadway & Lindsay		DATE	09/05/00	
ARRIVAL TIME	935	DEPARTURE TIME	945	SERVICED BY	
		SIGMA OR ISCO		MODEL NUMBER	800      900      other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<u>YES</u> NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<u>YES</u> NO	
RAINGAGE (screen, funnel, tipping bucket)	<u>YES</u> NO	clear
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	check station, re start program
2	
3	

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Monday &amp; Lindsey</i>		DATE	<i>9/14/00</i>	
ARRIVAL TIME	<i>940</i>	DEPARTURE TIME	<i>945</i>	SERVICED BY	<i>(New)</i>
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	<input checked="" type="radio"/> 800	<input type="radio"/> 900 <input type="radio"/> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	<i>Read 0.01</i>
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>No Flow, samples restart program</i>
2	
3	

# FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Lindsey's Meadow</i>		DATE	9/19/00	
ARRIVAL TIME	905	DEPARTURE TIME	910	SERVICED BY	<i>Reese</i>
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	<input checked="" type="radio"/> 800	<input type="radio"/> 900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="radio"/> YES NO	<i>install new screen.</i>
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>Restart program</i>
2	
3	

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	Lindsay D Noadey		DATE	9/26/00	
ARRIVAL TIME	905	DEPARTURE TIME	915		SERVICED BY
SAMPLER		SIGMA OR ISCO		MODEL NUMBER	800      900      other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="checkbox"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="checkbox"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="checkbox"/> YES NO	clear, Rain 0103
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, Hquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.
1 Restart program, Rain 0103 Storm moved North
2
3

# FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Lindsey &amp; Broadway</i>		DATE	<i>10/2/00</i>	
ARRIVAL TIME	<i>952</i>	DEPARTURE TIME	<i>1000</i>		
SAMPLER		<input checked="" type="radio"/> SIGMA OR <input type="radio"/> ISCO	MODEL NUMBER	<input checked="" type="radio"/> 800	<input type="radio"/> 900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="radio"/> YES NO	<i>clear</i>
SAMPLE TUBING (intake, pump, distributor)	<input checked="" type="radio"/> YES NO	<i>check</i>
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.

1	<i>Restart program</i>
2	
3	

# STORM EVENT LOG SHEET

1. Site: 1100347

Your Name: JRC/SEF

2. Date: 10/4/00

Time: 1400

## SAMPLER PARAMETERS

3. Rainfall: 0.21 in

4. Flow: 0.0 cfs

5. Level: 0.0 in

6. Velocity: — ft/sec

## O&M PARAMETERS

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

did not sample (due to PT?)

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 \_\_\_\_\_ su

12. Temperature \_\_\_\_\_ 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

Broadway & Linsey

Date

10-6-00

Time

12:54 AM

Serviced By:

Larry Dickens

Data Downloaded to DTU?

DL #5 cell 1128

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

## STORMWATER O&M LOG SHEET

SITE	LINDSAY		DATE	10/08/00	
ARRIVAL TIME	1500	DEPARTURE TIME	SERVICED BY		JRC/JHS
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	RESTARTED - CHECKED PROGRAM. RAIN = 0.00 in
2	ICED COMPOSITE.
3	

# STORM EVENT LOG SHEET

1. Site: Broadway / Lindsay Your Name: Sutton  
2. Date: 10-10-00 Time: 6:50 AM

*5:00<sup>PM</sup> - 7:30<sup>PM</sup> - Storm duration*

## SAMPLER PARAMETERS

3. Rainfall: .44 in (.97)  
4. Flow: Ø cfs  
5. Level: Ø in  
6. Velocity: Ø ft/sec

## O&M PARAMETERS

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

8. Battery voltage: N/A 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 9.0 su  
12. Temperature 17° 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 Lindsay

Date 10-10-00 Time 1540

Serviced By: Sutton

*10/11/00 copy data to cell #5 10/11/00*

Data Downloaded to DTU?

*Level =  $\phi$  TOTAL Rain = .97 in 10/11/00 Rain 1.23  
Flow =  $\phi$  difference .26*

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

# FCD/USGS STORMWATER O&M LOG SHEET

SITE	Broadway & Lindsay		DATE	10/16/06		
ARRIVAL TIME	9:55	DEPARTURE TIME	10:05		SERVICED BY	[Signature]
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900	other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="checkbox"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="checkbox"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="checkbox"/> YES NO	clear
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, Hquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.

1 check station, phone, funnel, bucket and restart program

2

3

# STORM EVENT LOG SHEET

1. Site: Broadway / Lindsay

Your Name: Sutton - Siegfried

2. Date: 10-21-00

Time: 2336

## SAMPLER PARAMETERS

1600  
Start

3. Rainfall: 1.35 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 \_\_\_\_\_ su

12. Temperature \_\_\_\_\_ 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 **Broadway / Lindsay**

Date **10-22-00** Time **1314**

Serviced By: **Sutton**

Yes

## Data Downloaded to DTU?

Cell #4 Serial # 1065 Rain - .75 in No flow or level

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

# STORM EVENT LOG SHEET

1. Site: Lindsay

Your Name: Sutton

2. Date: 10-27-00

Time: 1515

## SAMPLER PARAMETERS

3. Rainfall: .45 in

Storm start - 1300

4. Flow: 2.46 cfs

5. Level: 7.24 in

6. Velocity: 0 ft/sec

## O&M PARAMETERS

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

~~Sampler not sampling~~ Rainfall too hard for sampler to begin sampling

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 2.46 cfs

11. pH 8.8 su

12. Temperature 15° 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 Lindsay

Date 10-28-00 Time 1128

Serviced By: Sutton

ETA Rain 1.18" in Halt for 72 hrs

Yes

Data Downloaded to DTU?

Cell # 8 Serial # 1065 until 0600 10-31-00

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

Sampler operated O.K.

# STORM EVENT LOG SHEET

1. Site: Lindsay Your Name: Sutton

2. Date: 11-6-00 Time: 1304

Storm Start: 1100

Storm End: 1500

## SAMPLER PARAMETERS

3. Rainfall: 0.30 in HAT for 72 hrs, Restart: 11-9-00 @ 1500

4. Flow: 0 cfs

5. Level: 0 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 \_\_\_\_\_ su

12. Temperature \_\_\_\_\_ 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 Lindsay 30 Rain

Date 11-7-00 Time 2130

Serviced By: Sutton

Yes

## Data Downloaded to DTU?

Cell #4 Serial #1065

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

Sampler didn't function, Zoom box was turned off, turned back on

72 hrs restart 11-9-00 @ 1530

# S. ORM EVENT LOG SHEET

1. Site: Lindsay

Your Name: Sutton

2. Date: 11-10-00

Time: 2200

Storm Start - 1930

Storm end - 2000

Duration - 30min

## SAMPLER PARAMETERS

3. Rainfall: .09 in

4. Flow: 1.19 cfs

5. Level: 5.06 in

6. Velocity: \_\_\_\_\_ ft/sec

## O&M PARAMETERS

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

No Sufficient Rain Fall

8. Battery voltage: 7 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 \_\_\_\_\_ su

12. Temperature \_\_\_\_\_ deg. C

GRAB SAMPLES Take grabs from discharge only!

13. Grab samples taken? **Yes or No?**

14. Preservatives added to bottles? **Yes or No?**

**Falcon (Mesa 3)**

**at Mesa Falcon Field Airport**

# WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

<b>SITE</b>	Falcon		<b>DATE</b>	11/5/00	
<b>ARRIVAL TIME</b>		<b>DEPARTURE TIME</b>	1640	<b>SERVICED BY</b>	COX
<b>SAMPLER MODEL NUMBER</b>			<b>SAMPLER SERIAL/ ASSET NUMBER</b>		
<b>PT SERIAL NUMBER/ ASSET NUMBER</b>			<b>RAINGAGE SERIAL/ ASSET NUMBER</b>		

	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	
RAINGAGE	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** Checked station + phone. Restarted program.

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WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

	Falcon Field		1-12-2000
			(Signature)

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE					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	
RAINGAGE	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 and phone. Restart program

(Signature)

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WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

	<i>Falcon Field</i>		<i>1-18-00</i>
			<i>(Pen)</i>

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE					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	
RAINGAGE	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 re start program*

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*(Pen)*

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WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

Falcon Field		1-24-00	
			(Ren)

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE					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	
RAINGAGE	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 phone, okay ReStart program

(Ren)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

STATION	Falcon Field	DATE	01-31-06
AREA		TECHNICIAN	(Name)
PROJECT		WATER QUALITY	
PROJECT NUMBER		PROJECT NUMBER	

	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
BATTERY VOLTAGE	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	volts
SOLAR PANEL	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
CONNECTION CABLES	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
RAINGAGE	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, restart program and confirm  
running. check phone  
(Name)  
manhole located 5 feet east of station house in lot  
along Fighters ACES Drive.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

STATION	Falcon Field		DATE	02/03/00
ARRIVAL TIME		DEPARTURE TIME	(none)	
PROJECT NUMBER		WATER QUALITY SYSTEM NUMBER		
WATER QUALITY SYSTEM NUMBER		WATER QUALITY SYSTEM NUMBER		

	YES	NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE						volts
SOLAR PANEL						
CONNECTION CABLES						
RAINGAGE						
SAMPLE INTAKE TUBING						length (feet)
SAMPLER PUMP TUBING						
SAMPLER DISTRIBUTOR TUBING						
DEPTH SENSOR						depth (Inch)
CALIBRATE DEPTH SENSOR				N/A	N/A	
CALIBRATE SAMPLE VOLUME				N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING				N/A	N/A	

NOTES/ACTIONS check station, restart program.

(none)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

ARRIVAL DATE	Folan Field		DATE	02/07/00	
ARRIVAL TIME		DEPARTURE TIME		(Rec'd)	
OPERATOR		OPERATOR			
INSTRUMENT		INSTRUMENT			

	YES	NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE	YES	NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES	NO	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES	NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAGE	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*  
*(pen)*

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WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

STATION SITE	Fulton Field		DATE	02/14/00
ARRIVAL TIME		DEPARTURE (M)	SERVICES	new
SAMPLER MODEL NUMBER			SAMPLER SERIAL ASSEMBLY NUMBER	
DEPTH SERIAL NUMBER			RANGAGE SERIAL ASSEMBLY NUMBER	

	CHECKED / ADJUSTED / CALIBRATED	GOOD / FAIR / POOR	YES / NO	YES / NO	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	
RANGAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER 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 (inches)
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

new

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

APPROXIMATE SITE	<i>Fulcom Field</i>	BAT	<i>02/17/00</i>
ARRIVAL TIME		OPERATOR	<i>(Signature)</i>
PART NUMBER		DATE OF SERVICE	
WARRANTY NUMBER		WARRANTY EXPIRES	

	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
BATTERY VOLTAGE	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	voltage
SOLAR PANEL	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
CONNECTION CABLES	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
RAINGAGE	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
CLEANNED SAMPLE INTAKE TUBING	YES	NO	GOOD	FAIR	POOR	N/A		N/A		

NOTES / ACTIONS *Restart program*  
*(Signature)*

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WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

APPROX. SITE	Falcon Field	BAT	02/21/00
ARRIVAL TIME			(Handwritten mark)

	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
BATTERY VOLTAGE										volts
SOLAR PANEL										
CONNECTION CABLES										
RAINGAGE										
SAMPLE INTAKE TUBING										length (feet)
SAMPLER PUMP TUBING										
SAMPLER DISTRIBUTOR TUBING										
DEPTH SENSOR										depth (Inch)
CALIBRATE DEPTH SENSOR						N/A		N/A		
CALIBRATE SAMPLE VOLUME						N/A		N/A		mL
CLEANED SAMPLE INTAKE TUBING						N/A		N/A		

NOTES/ACTIONS check station, rain 0.20 at 1500. ReStart program

and ice bottles.

(Handwritten initials)

0.01 at 2030

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Falcon Field		DATE	02/24/00
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY	<i>Plan</i>
SAMPLER MODEL NUMBER		SAMPLER SERIAL ASSET NUMBER		
PT SERIAL NUMBER ASSET NUMBER		RAINGAGE SERIAL ASSET NUMBER		

	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	
RAINGAGE	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 *Copy data to cert # 3 Empty ice from base, Restart program 0.04 L/min*

*Plan*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE <i>Falcon Field</i>	DATE <i>02/28/00</i>	
ARRIVAL TIME	DEPARTURE TIME	SERVICED BY <i>(Signature)</i>
SAMPLER MODEL NUMBER	SAMPLER SERIAL ASSET NUMBER	
PT. SERIAL NUMBER ASSET NUMBER	RAINGAGE SERIAL ASSET NUMBER	

	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	
RAINGAGE	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, restart program*

*(Signature)*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Fulan Field		DATE	03/02/00
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY	<i>(Signature)</i>
SAMPLER MODEL NUMBER		SAMPLER SERIAL ASSET NUMBER		
PT SERIAL NUMBER / ASSET NUMBER		RAINGAGE SERIAL ASSET NUMBER		

	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	
RAINGAGE	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 Stationy restart program*  
*(Signature)*

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WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE <i>Federal Field</i>	DATE <i>03/05/00</i>	
ARRIVAL TIME	DEPARTURE TIME	TECHNICIAN <i>New (JL8)</i>
SAMPLER MODEL NUMBER	EXTRUSION SERIAL NUMBER	
PT SERIAL NUMBER ASSET NUMBER	EXTRUSION SERIAL NUMBER ASSET NUMBER	

	OPERATIONAL	CONDITION	TESTED	REMARKS	DATE
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	
RAINGAGE	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 *Copy data to cell #4. Rain 0.16 no samples, sampler waiting on Rain + Flow. Copy data, Restart program*

*(New) (JL8)*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

ARRIVAL TIME	DEPARTURE TIME	SERVICED BY
Falcon Field		03/07/00
SAMPLER MODEL NUMBER		Keen
PT SERIAL NUMBER / ASSET NUMBER		RAINGAGE SERIAL / ASSET NUMBER

	CHECKED / SERVICED / CALIBRATED	CONDITION	TESTED	REPAIRS	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	
RAINGAGE	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)
CAL BRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CAL BRATE 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      Checks, De Copy dat Cell 4 & 8

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Sampler sampled, all bottles full.      Rain: 2.52

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Level: 25.68

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Pull bottles for cleaning      Flow: 25.7

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Shut sampler OFF.      Velocity:

# EQUIPMENT CLEANING CHECKLIST

Site *Falcon Field*

Date *03/09/00* Time *1000*

Serviced By: *Reed*

*Data received 03/07/00*  
 Data Downloaded to DTU?

*check pump tube, Flush.*

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

ARRIVAL TIME	DEPARTURE TIME	SERVICED BY
Falcon Field		03/13/00
		<i>Rec'd</i>
SAMPLER MODEL NUMBER	DATE OF SERIAL ASSET NUMBER	
PT SERIAL NUMBER ASSET NUMBER	RAINGAGE SERIAL ASSET NUMBER	

	CHECKED / SERVICE CALIBRATED	CONDITION	REPLACE	REPAIR	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	
RAINGAGE	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, phone. Restart program*

*Rec'd*

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WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

ARRIVAL DATE	Falcon Field		DATE	08/16/06
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY	<i>Plow</i>
SAMPLER MODEL NUMBER			DATE/SERIAL NUMBER	
PT/SERIAL NUMBER/ASSET NUMBER			RANGE/SERIAL NUMBER	

	CHECKED/SERVICED/CALIBRATED	CONDITION	TESTED	RECALIB	NOTE
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RANGE	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	
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES/ACTIONS *check site, restart + program*

*Plow*

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WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

FIELD SITE	Falcon Field		DATE	03/20/00
ARRIVAL TIME		DEPARTURE TIME	SERVED BY	<i>Rear</i>
SAMPLER MODEL NUMBER			NAME / SERIAL NUMBER	
PT SERIAL NUMBER / SERIAL NUMBER			RING / SERIAL NUMBER	

	CHECKED / SERVICE / CALIBRATED	CONDITION	DEPTH	DEPTH	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
PLUMBING	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	liters
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES: ACTION: *check station, phone and restart program*

*Rear*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

<b>SITE</b>	<i>Fuleon Field</i>	<b>DATE</b>	<i>03/23/00</i>
<b>ARRIVAL TIME</b>		<b>DEPARTURE TIME</b>	
<b>SAMPLER MODEL NUMBER</b>		<b>WATER SERIAL NUMBER</b>	<i>Recor</i>
<b>SERIAL NUMBER / SIGHT NUMBER</b>		<b>LOG/GENERAL USE NUMBER</b>	

	<b>CHECKED / CALIBRATED</b>	<b>CONDITION</b>	<b>REPAIRS</b>	<b>REMARKS</b>	<b>NOTES</b>
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	
RAINGAGE	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, phone, tube, restart program*

*(Recor)*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

LOCATION SITE	Falcon Field		DATE	03/27/00
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY	<i>Rever</i>
SAMPLER MOOR NUMBER			WATER SERIAL NUMBER	
WATER SERIAL NUMBER ASSET NUMBER			RAINGAGE SERIAL NUMBER	

	CHECKED / SERVICED / CALIBRATED	CONDITION	TESTED	RECALIBRATED	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAGE	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, phone and reset + program*

*Rever*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

<b>SITE</b>	Falcon Field		<b>DATE</b>	03/28/00
<b>ARRIVAL TIME</b>		<b>DEPARTURE TIME</b>	<b>SERVICED BY</b>	(Signature)
<b>SAMPLER MODEL NUMBER</b>		<b>AMPLIFIER SERIAL NUMBER</b>		
<b>CONTROL SERIAL NUMBER</b>		<b>LOGGING SERIAL NUMBER</b>		

	<b>CHECKED</b>	<b>CONDITION</b>	<b>OK</b>	<b>NO</b>	<b>NOTE</b>
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	
RAIN GAGE	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, sampler read 0.14 as of 0716  
 No samples taken  
 (Signature)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Falcon Field		DATE	03/30/00
ARRIVAL TIME		DEPARTURE TIME	PERFORMED BY	Reem
SAMPLER LOOP NUMBER			ALTERNATE SERIAL NUMBER	
RESERVAIR NUMBER			CONTAINER SERIAL NUMBER	

Data Cell #5

	CHECKED	CONDITION	YES	NO	NOTE
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	
RAINGAGE	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)
CAL BRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CAL BRATE 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, copy data. Remove Rain gauge and  
 Reseal all holes and connections. Level tipping bucket and  
 Restart Sampler.

Reem

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Fulcrum Field		DATE	04/05/00
ARRIVAL TIME		DEPARTURE TIME		<i>Reed</i>
WARRANTY MODEL NUMBER		WARRANTY SERIAL NUMBER		
WARRANTY MODEL NUMBER		WARRANTY SERIAL NUMBER		

	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	NOT
BATTERY VOLTAGE	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	volts
SOLAR PANEL	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
CONNECTION CABLES	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
RAINGAGE	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 *shot off samplers copy data at later date.*  
*Remove bottles for cleaning.*  
*Reed*

**WATER QUALITY SAMPLER MAINTENANCE LOG SHEET**

SITE	FALCON			DATE	4/25/00
ARRIVAL TIME	FCD Shop	DEPARTURE TIME	FCD Shop	SERVICED BY	RWH
SAMPLER MODEL NUMBER		800	SAMPLER SERIAL/ ASSET NUMBER		
PT SERIAL NUMBER/ ASSET NUMBER			RAINGAGE SERIAL/ ASSET NUMBER		

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	12.5 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	
RAINGAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	28 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	440 mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS SCHEDULED MAINTENANCE COMPLETED.

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# WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	FALCON		DATE	6/13/00	
ARRIVAL TIME	0830	DEPARTURE TIME	0845	SERVICED BY	JRC/RWN
SAMPLER MODEL NUMBER	800		SAMPLER SERIAL/ ASSET NUMBER		
PT SERIAL NUMBER/ ASSET NUMBER			RAINGAGE SERIAL/ ASSET NUMBER		

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

NOTES / ACTIONS Reprogrammed for summer. Restarted sampler.

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# EQUIPMENT CLEANING CHECKLIST

Site **FALCON**

Date **6/13/00** Time **0845**

Serviced By: **RWH/JRC**

No

Data Downloaded to DTU?

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	FALCON		DATE	6/19/00	
ARRIVAL TIME	1200	DEPARTURE TIME	1210	SERVICE	JRC/RWH
SAMPLER MODEL NUMBER	800		SAMPLER SERIAL NUMBER		
PT SERIAL NUMBER / ASSET NUMBER			RAINGAGE SERIAL NUMBER		

	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
BATTERY VOLTAGE	<input checked="" type="radio"/>	<input type="radio"/>	GOOD	FAIR	POOR	YES	NO	YES	NO	volts
SOLAR PANEL	<input checked="" type="radio"/>	<input type="radio"/>	GOOD	FAIR	POOR	YES	NO	YES	NO	
CONNECTION CABLES	<input checked="" type="radio"/>	<input type="radio"/>	GOOD	FAIR	POOR	YES	NO	YES	NO	
RAINGAGE	<input checked="" type="radio"/>	<input type="radio"/>	GOOD	FAIR	POOR	YES	NO	YES	NO	
SAMPLE INTAKE TUBING	<input checked="" type="radio"/>	<input type="radio"/>	GOOD	FAIR	POOR	YES	NO	YES	NO	length (feet)
SAMPLER PUMP TUBING	<input checked="" type="radio"/>	<input type="radio"/>	GOOD	FAIR	POOR	YES	NO	YES	NO	
SAMPLER DISTRIBUTOR TUBING	<input checked="" type="radio"/>	<input type="radio"/>	GOOD	FAIR	POOR	YES	NO	YES	NO	
DEPTH SENSOR	<input checked="" type="radio"/>	<input type="radio"/>	GOOD	FAIR	POOR	YES	NO	YES	NO	depth (inch)
CALIBRATE DEPTH SENSOR	<input checked="" type="radio"/>	<input type="radio"/>	GOOD	FAIR	POOR	N/A		N/A		
CALIBRATE SAMPLE VOLUME	<input checked="" type="radio"/>	<input type="radio"/>	GOOD	FAIR	POOR	N/A		N/A		mL
CLEANED SAMPLE INTAKE TUBING	<input checked="" type="radio"/>	<input type="radio"/>	GOOD	FAIR	POOR	N/A		N/A		

NOTES / ACTIONS RAINFALL 0.17 in

Sampler activated (one bottle half full).

Emptied & decontaminated bottle.

Phone tone OK.

**WATER QUALITY SAMPLER MAINTENANCE LOG SHEET**

	<i>Falcon Field</i>		<i>6/20/00</i>

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
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	
Cables / Connections	YES NO	GOOD FAIR POOR	YES NO	YES NO	
Raingage / Funnel / Screen	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL

**NOTES / ACTIONS**

*check electric power and battery. Battery 13.8  
Electric 17.8*

*check raingage, funnel looks good.*

*Reer*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

<b>SITE</b>	Falcon Field		<b>DATE</b>	6/21/00
<b>ARRIVAL TIME</b>		<b>DEPARTURE TIME</b>	<b>SERVED BY</b>	<i>Allen</i>
<b>SAMPLER MODEL NUMBER</b>			<b>SAMPLER SERIAL/ ASSET NUMBER</b>	
<b>PT SERIAL NUMBER/ ASSET NUMBER</b>			<b>RAINGAGE SERIAL/ ASSET NUMBER</b>	

	<b>CHECKED / SERVICED / CALIBRATED</b>	<b>CONDITION</b>	<b>REPLACED?</b>	<b>NEEDS REPLACING?</b>	<b>NOTES</b>
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	
Cables / Connections	YES NO	GOOD FAIR POOR	YES NO	YES NO	
Raingage / Funnel / Screen	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL

NOTES / ACTIONS *check Station, 0.11 rain reported. No samples taken. left running.*

*Allen*

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WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	<i>Keeler Field</i>		DATE	<i>6/27/00</i>	
ARRIVAL TIME	<i>1005</i>	DEPARTURE TIME	<i>1020</i>	SERVICED BY	<i>(Pun)</i>
SAMPLER MODEL NUMBER			SAMPLER SERIAL/ ASSET NUMBER		
PT SERIAL NUMBER/ ASSET NUMBER			RAINGAGE SERIAL/ ASSET NUMBER		

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE <i>Electric 17.2</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<i>13.7</i> volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
Cables / Connections	YES NO	GOOD FAIR POOR	YES NO	YES NO	
Raingage / Funnel / Screen	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL

NOTES / ACTIONS *check station, phone, electric power and battery back up. Put fuse in cap bag. Do tip test to check keeper system. Check pump tube. Found Soda can in tipping bucket + funnel. Remove and clean. Restart*

*(Pun)*

# FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Fedora Field</i>		DATE	<i>6/29/00</i>	
ARRIVAL TIME	<i>110</i>	DEPARTURE TIME	SERVICED BY <i>[Signature]</i>		
SAMPLER		<i>SIGMA</i> OR ISCO	MODEL NUMBER	<i>800</i>	900 other

EQUIPMENT CHECKED	YES NO	COMMENTS
BATTERY VOLTAGE OK		volts
SOLAR PANEL CLEAN		
CABLES AND CONNECTIONS GOOD		
CELLULAR ANTENNA		
PHONE TONE		
RAINGAGE (screen, funnel, tipping bucket)		
SAMPLE TUBING (intake, pump, distributor)		
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)		
CALIBRATED DEPTH SENSOR		depth (in)
CALIBRATED SAMPLE VOLUME		ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>Sampler waiting on Rain (~15) &amp; flow. No samples</i>
2	<i>Re Start program</i>
3	<i>[Signature]</i>

# STORM EVENT LOG SHEET

1. Site: FALCON Your Name: JRC

2. Date: 6/30/00 Time: 2330

## SAMPLER PARAMETERS

3. Rainfall: 0.26 in

4. Flow: 0.00 cfs

5. Level: \_\_\_\_\_ in

6. Velocity: \_\_\_\_\_ ft/sec

## O&M PARAMETERS

7. Did sampling equipment operate during event?  **Yes** or  **No**? Describe problems.  
3 bottles full, decontaminated bottles.

8. Battery voltage: \_\_\_\_\_ volts

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

PHONE TONE.

## FIELD PARAMETERS

10. Discharge (flow) at time of grabs \_\_\_\_\_ cfs

11. pH \_\_\_\_\_ su

12. Temperature \_\_\_\_\_ deg. C

## GRAB SAMPLES Take grabs from discharge only!

13. Grab samples taken? **Yes or No?**

14. Preservatives added to bottles? **Yes or No?**

# WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	FALCON		DATE	7/2/00	
ARRIVAL TIME	2100	DEPARTURE TIME	SERVICED BY		JRC/TS
SAMPLER MODEL NUMBER		900	SAMPLER SERIAL/ ASSET NUMBER		—
PT SERIAL NUMBER/ ASSET NUMBER		—	RAINGAGE SERIAL/ ASSET NUMBER		—

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

NOTES / ACTIONS Either air getting into line or pump  
crimping tubing prevented CLEANING  
PROCEDURE from completion.  
Need to clean wed 7/5/00.

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Falcon Field</i>		DATE	<i>7/05/08</i>	
ARRIVAL TIME	<i>1115</i>	DEPARTURE TIME	<i>1140</i>		SERVICED BY
SAMPLER		<input checked="" type="radio"/> SIGMA OR <input type="radio"/> ISCO	MODEL NUMBER	<input checked="" type="radio"/> 800	<input type="radio"/> 900 <input type="radio"/> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	<i>Good</i>
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="radio"/> YES NO	<i>clear</i>
SAMPLE TUBING (intake, pump, distributor)	<input checked="" type="radio"/> YES NO	<i>check okay</i>
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	<input checked="" type="radio"/> YES NO	<i>flush lines.</i>
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

*Reviewed program, okay.*

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	
2	
3	

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Falcon Field</i>		DATE	<i>7/12/00</i>	
ARRIVAL TIME	<i>820</i>	DEPARTURE TIME	<i>830</i>	SERVICED BY	<i>Allen</i>
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	<input checked="" type="radio"/> 800	<input type="radio"/> 900 <input type="radio"/> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="radio"/> YES NO	<i>clear and clean</i>
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.
1
2
3

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	Falcon Field		DATE	7/20/00	
ARRIVAL TIME	855	DEPARTURE TIME	910	SERVICED BY	(Signature)
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	<input checked="" type="radio"/> 800	<input type="radio"/> 900 <input type="radio"/> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="radio"/> YES NO	clear
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

*Restart program*

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	
2	
3	

# FCD/USGS STORMWATER O&M LOG SHEET

SITE	Fyloca Field		DATE	7/25/00	
ARRIVAL TIME	1135	DEPARTURE TIME	1150	SERVICED BY	<i>[Signature]</i>
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	<input checked="" type="radio"/> 800 <input type="radio"/> 900 <input type="radio"/> other	

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="radio"/> YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

Copy data to DTU #1 cell #4

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	
2	
3	

# STORM EVENT LOG SHEET

1. Site: FALCON

Your Name: COX/SUTTON

2. Date: 7/31/00

Time: 0205

## SAMPLER PARAMETERS

3. Rainfall: 0.38 in

4. Flow: 0.00 cfs

5. Level: 0.00 in

6. Velocity: \_\_\_\_\_ ft/sec

- 1) Phone tone OK
- 2) Download data to DTU cell #1.
- 3) 1 bottle full - disconnected
- 4) Decon tubing
- 5) Restart sampler

## O&M PARAMETERS

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

1 bottle full. Runoff very quick.

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 \_\_\_\_\_ su

12. Temperature \_\_\_\_\_ 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

FALCON

Date

7/31/00

Time

0240

Serviced By:

JRC/JHS

Yes

Data Downloaded to DTU?

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	Falcon Field		DATE	8/3/00	
ARRIVAL TIME	845	DEPARTURE TIME	855	SERVICED BY	
SAMPLER		SIGMA OR ISCO		MODEL NUMBER	800      900      other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="checkbox"/> YES NO	Good
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="checkbox"/> YES NO	clean
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>Left running. Data copied out unit</i>
2	
3	

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Fulcom Field</i>		DATE	<i>8/7/00</i>	
ARRIVAL TIME	<i>1020</i>	DEPARTURE TIME	<i>1115</i>		SERVICED BY
SAMPLER		SIGMA OR ISCO	MODEL NUMBER	800	900      other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="checkbox"/> YES NO	<i>Good</i>
RAINGAGE (screen, funnel, tipping bucket)	YES NO	<i>check funnel, clear, cal. w/ste tipping bucket, made minor adjust ment, OK</i>
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.
1
2
3

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	Falcon Field		DATE	8/10/00	
ARRIVAL TIME	920	DEPARTURE TIME	930	SERVICED BY	
SAMPLER		SIGMA OR ISCO		MODEL NUMBER	800      900      other

EQUIPMENT CHECKED	COMMENTS	
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<u>YES</u> NO	
RAINGAGE (screen, funnel, tipping bucket)	<u>YES</u> NO	clean.
SAMPLE TUBING (intake, pump, distributor)	<u>YES</u> NO	check pump and tube
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	Restart program, Fix pinched tube
2	
3	

FCD/USGS STORMWATER O&M LOG SHEET

SITE	Fyleon Field		DATE	8/15/00	
ARRIVAL TIME	1615	DEPARTURE TIME	1030	SERVICED BY	Ren
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900 other

EQUIPMENT CHECKED	YES NO	COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="radio"/> YES NO	clean
SAMPLE TUBING (intake, pump, distributor)	<input checked="" type="radio"/> YES NO	Run pump and check hoses
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.

1	Restart program
2	
3	

# STORM EVENT LOG SHEET

1. Site: Falcon Field

Your Name: Sutton, Siegfried, Sutton

2. Date: 8-17-00

Time: ~~9:37~~ 2200 HRS

## SAMPLER PARAMETERS

3. Rainfall: 0.08 in

4. Flow: 0.099 cfs

5. Level: 1.65 in

6. Velocity: 0 ft/sec

## O&M PARAMETERS

7. Did <sup>Composite</sup> sampling equipment operate during event? Yes or No? Describe problems.  
0.08 didn't meet criteria to sample

8. Battery voltage: N/A 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 .099 cfs

11. pH 8.4 su

12. Temperature 25° 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 **Falcon Field** Mesa 3 # 4555

Date **8-19-00** Time **11:00A**

Serviced By: **Siegfried, Sutton**

**No**

**Data Downloaded to DTU?**

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

## STORMWATER O&M LOG SHEET

SITE	FALCON FIELD		DATE	8/19/00	
ARRIVAL TIME	15:55	DEPARTURE TIME	16:10	SERVICED BY	JRC/DPS
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	YES NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="checkbox"/> YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	DATA DOWNLOADED TO DTU # 1128 CELL # 1
2	RESTART PROGRAM
3	

# FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Falcon Field</i>		DATE	<i>08/28/00</i>	
ARRIVAL TIME	<i>1145</i>	DEPARTURE TIME	<i>1155</i>	SERVICED BY	<i>Ren</i>
SAMPLER	<i>SIGMA OR ISCO</i>		MODEL NUMBER	<i>800</i>	900      other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>Rain 0.02 No samples, copy data cell #4</i>
2	<i>Reset program</i>
3	

# EQUIPMENT CLEANING CHECKLIST

Site **Falcon Field**

Date **8/30/00** Time **220**

Serviced By: **(Rees) (JHS)**

**NO**

*Sampler would not bring up requested data, or HALT!*  
Data Downloaded to DTU?

*Sampler went Haywire, running through program. Had to disconnect power, wait and reprogram. Data lost. Had O102 rain*

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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. *Sampler working during storm.*

*Grab at 1600*

- 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.

# STORM EVENT LOG SHEET

1. Site: Fyloou

Your Name: Luc

2. Date: 8/30/00

Time: 1600

## 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 6 \_\_\_\_\_ su

12. Temperature 24 \_\_\_\_\_ deg. C

## GRAB SAMPLES Take grabs from discharge only!

13. Grab samples taken? Yes or No?

14. Preservatives added to bottles? Yes or No?

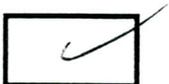
2/80 - 854-0647

# EQUIPMENT CLEANING CHECKLIST

Site **Fyler Field**

Date **8/31/00** Time **820**

Serviced By: **Russ**



*Cell #8 No samples taken in sample,*  
**Data Downloaded to DTU?**

*Rain Heavy, runoff short  
No Flow recorded.*

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models. *Rainfall 0.21*
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.

# FCD/USGS STORMWATER O&M LOG SHEET

SITE	Fyfean Field		DATE	09/05/00		
ARRIVAL TIME	910	DEPARTURE TIME	925	SERVICED BY	<div style="display: flex; justify-content: space-around;"> <span><i>(Signature)</i></span> <span><i>(Signature)</i></span> </div>	
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	<input checked="" type="radio"/> 800	<input type="radio"/> 900	<input type="radio"/> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="radio"/> YES NO	OK
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.

*electrical malfunction*

1 check site, ~~program still messed up~~ Program sampler does not accept

2 then start, sampler comes up asking to be program

3 This happened last week, reprogram will reprogram again 09/05/00, WILL REPLACE HEAD AND SEND FOR REPAIR.

### FCD/USGS STORMWATER O&M LOG SHEET

SITE	Falcon Field		DATE	9/6/00	
ARRIVAL TIME	2:40	DEPARTURE TIME	3:00	SERVICED BY	[Signature]
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900      other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="checkbox"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="checkbox"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="checkbox"/> YES NO	ok etc
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.
1 Reset time, check program, believe heat maybe part
2 of this problem.
3

# FCD/USGS STORMWATER O&M LOG SHEET

SITE	Falcon Field		DATE	9/11/00	
ARRIVAL TIME	915	DEPARTURE TIME	925	SERVICED BY	(Signature)
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900      other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	No Rain. Restart program.
2	
3	

# FCD/USGS STORMWATER O&M LOG SHEET

SITE	Fulton Field		DATE	9/19/00	
ARRIVAL TIME	840	DEPARTURE TIME	850	SERVICED BY	
SAMPLER		SIGMA OR ISCO	MODEL NUMBER		800      900      other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volt
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="checkbox"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="checkbox"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="checkbox"/> YES NO	Did not Switch screens, wire screen
SAMPLE TUBING (Intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.

1	Re Start program. Had to shut OFF/on to restart.
2	
3	

# FCD/USGS STORMWATER O&M LOG SHEET

SITE	Falcon Field		DATE	9/26/00	
ARRIVAL TIME	8:30	DEPARTURE TIME	8:50	SERVICED BY	(Signature)
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900 other

EQUIPMENT CHECKED	YES NO	COMMENTS
BATTERY VOLTAGE OK		volts
SOLAR PANEL CLEAN		
CABLES AND CONNECTIONS GOOD	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CELLULAR ANTENNA		
PHONE TONE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	clear; Rain 0.02
SAMPLE TUBING (intake, pump, distributor)		
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)		
CALIBRATED DEPTH SENSOR		depth (in)
CALIBRATED SAMPLE VOLUME		ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.

1	Restart program. Still have a problem with sampler
2	head key board. Rain 0.02 Storm gone.
3	

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Falcon Field</i>		DATE	<i>10/2/00</i>	
ARRIVAL TIME	<i>930</i>	DEPARTURE TIME	<i>940</i>	SERVICED BY	<i>Allen</i>
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	<input checked="" type="radio"/> 800	<input type="radio"/> 900 <input type="radio"/> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="radio"/> YES NO	<i>clear</i>
SAMPLE TUBING (intake, pump, distributor)	<input checked="" type="radio"/> YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.
1 <i>Re Start program.</i>
2
3

# STORM EVENT LOG SHEET

1. Site: FALCON

Your Name: JRC/SEF

2. Date: 10/4/00

Time: 1100

## SAMPLER PARAMETERS

3. Rainfall: 0.49 in 0.49

4. Flow: 0.242 cfs 2.196

5. Level: 2.5 in 2.27

6. Velocity: — ft/sec

## O&M PARAMETERS

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

partial bottle

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 \_\_\_\_\_ su

12. Temperature \_\_\_\_\_ 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

Falcon Field

Date

10-6-00

Time

10:00 AM

Serviced By:

Larry Dickens



Data Downloaded to DTU?

Downloaded #6 cell 1065

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

## STORMWATER O&M LOG SHEET

SITE	FALCON			DATE	10/08/00		
ARRIVAL TIME	1420	DEPARTURE TIME	1430	SERVICED BY	JRC/JHS		
SAMPLER	SIGMA OR ISCO			MODEL NUMBER	800	900	other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	RESTARTED. CHECKED PROGRAM. Iced composite. RAIN = 0.00 in.
2	@ 1800 RAIN = 0.02 in.
3	

# STORM EVENT LOG SHEET

1. Site: Falcon Field

Your Name: Sutton

2. Date: 10-10-00

Time: 7:30 A

*7:00 am Beg - 8:00 am end - Storm duration*

## SAMPLER PARAMETERS

3. Rainfall: .41 in

4. Flow: 46.0 cfs

5. Level: 64.09 in

6. Velocity: ~~0~~ ft/sec

## O&M PARAMETERS

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

\_\_\_\_\_  
\_\_\_\_\_

8. Battery voltage: N/A 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 46.0 cfs

11. pH 9.2 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 **Falcon Field**

Date **10-10-00** Time **1511**

Serviced By: **Sutton**

Copy date to cell #4

10/11/00 Rain Read .57 difference .13

**NO**

DTU  
NOT

## Data Downloaded to DTU?

Level -  $\emptyset$  TOTAL Rain - .44 in  
Flow -  $\emptyset$

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

# FCD/USGS STORMWATER O&M LOG SHEET

SITE	Falcon Field		DATE	10/16/00		
ARRIVAL TIME	9:35	DEPARTURE TIME	9:45	SERVICED BY	[Signature]	
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	<input checked="" type="radio"/> 800	<input type="radio"/> 900	<input type="radio"/> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volt
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="radio"/> YES NO	clear
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.

1 check station, phone and restart program

2

3

# STORM EVENT LOG SHEET

1. Site: Falcon

Your Name: Sutton - Siegfried

2. Date: 10-21-00

Time: \_\_\_\_\_

## SAMPLER PARAMETERS

3. Rainfall: ∅ in

1600  
START

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 \_\_\_\_\_ su

12. Temperature \_\_\_\_\_ 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 **FALCON FIELD**

Date **10/2/00** Time **1342**

Serviced By: **Sutton**

**NO - Sampler not Responding**  
**Data Downloaded to DTU?**

~~ATTN~~ ~~SAMPLE~~ ~~4/10/05~~ Flow - .92603 /L/min Head - 4.72 in Rain .05 in

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

# STORM EVENT LOG SHEET

1. Site: Foleon Field Your Name: Sutton

2. Date: 10-27-00 Time: 1804

## SAMPLER PARAMETERS

Storm Start - 1300

3. Rainfall: 0 in  
4. Flow: 11.2 cfs  
5. Level: 16.13 in  
6. Velocity: ? ft/sec

## O&M PARAMETERS

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

Sampler not sampling, No information for rainfall

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 11.2 cfs  
11. pH 6.2 su  
12. Temperature 15° 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

Falcon Field

Date

10-28-00

Time

1218

Serviced By:

Sutton

Total Rain - .15 in Halt for 72 hrs

No

Data Downloaded to DTU?

Sampler not responding to download until obs 10-30-00

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

No

Pump approximately 1/2 gallon tap water through tubing.

No

Pump approximately 1/2 gallon of Liquinox through tubing.

No

Pump a large quantity of tap water through tubing.

No

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

No

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.

# STORMWATER O&M LOG SHEET

SITE	Falcon		DATE	11/2/00	
ARRIVAL TIME	12:10pm	DEPARTURE TIME	12:45pm	SERVICED BY	CFK/ITGW
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	Needs new 1414 Gelcell very low <del>YES</del> NO	volts
SOLAR PANEL CLEAN	<del>YES</del> NO	NA
CABLES AND CONNECTIONS GOOD	<del>YES</del> NO	surge protector buzzing removed
CELLULAR ANTENNA	<del>YES</del> NO	NA
PHONE TONE	<del>YES</del> NO	
RAINGAGE (screen, funnel, tipping bucket)	<del>YES</del> NO	Repaired tipping bucket
SAMPLE TUBING (intake, pump, distributor)	YES <del>NO</del>	Replaced head
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES <del>NO</del>	
CALIBRATED DEPTH SENSOR	YES <del>NO</del>	depth (in)
CALIBRATED SAMPLE VOLUME	YES <del>NO</del>	ml

	try to download data in shop SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.
1	Head removed & replaced
2	Surge protector removed - should be replaced
3	

# STORM EVENT LOG SHEET

1. Site: FALCON

Your Name: Sutton

2. Date: 11-6-00

Time: 1330

## SAMPLER PARAMETERS

3. Rainfall: .13 in

4. Flow: ✓ cfs

5. Level: .12 in

6. Velocity: \_\_\_\_\_ ft/sec

Storm Start: 1145

Storm End: 1515

halt for 72 hrs, Restart 11-9-00 @ 1515

## 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 \_\_\_\_\_ su

12. Temperature \_\_\_\_\_ 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 **FALCON** 2011

Date **11-7-00** Time **2200**

Serviced By: **Sutton**

RES

## Data Downloaded to DTU?

Cell #5 Serial #1065 Sampler didn't operate

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

Auto Dialer unplugged, Reconnected Auto Dialer, 72 hrs restart 11-9-00 @ 1600

# S. ORM EVENT LOG SHEET

1. Site: Fallow field

Your Name: Sutton

2. Date: 11/10/00

Time: 2145

## SAMPLER PARAMETERS

3. Rainfall: 1.06 in

4. Flow: 0 cfs

5. Level: 103 in

6. Velocity: \_\_\_\_\_ ft/sec

Storm Start - 1930

Storm end - 2015

Duration - 45 min

## O&M PARAMETERS

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

No Sufficient Rainfall

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 \_\_\_\_\_ su

12. Temperature \_\_\_\_\_ deg. C

GRAB SAMPLES Take grabs from discharge only!

13. Grab samples taken? **Yes or No**?

14. Preservatives added to bottles? **Yes or No**?

**Grandview (Mesa 4)**

Horne and Grandview

# WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

<b>SITE</b>	GRANDVIEW		<b>DATE</b>	11/5/00	
<b>ARRIVAL TIME</b>		<b>DEPARTURE TIME</b>	1725	<b>SERVICED BY</b>	COX
<b>SAMPLER MODEL NUMBER</b>			<b>SAMPLER SERIAL/ ASSET NUMBER</b>		
<b>PT SERIAL NUMBER/ ASSET NUMBER</b>			<b>RAINGAGE SERIAL/ ASSET NUMBER</b>		



	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	
RAINGAGE	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** Checked station & phone. Restarted program.  
Checked program. Phone dead. Open trench 50 ft.  
south of site (station). Maybe contractor cut  
phone line? Left msg need repaired 1/6/00 1430,  
msg to Stuart Dalby, FCD Facility Mgmt.

# WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

	<i>Hornes Grandview</i>		<i>1-12-2008</i>
			<i>Ren</i>

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE					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	
RAINGAGE	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, restart program. No phone tone, call in for repair.*

*Ren*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

STATION	Harne & Grandview	DATE	1-13-00
OPERATOR		TIME	
LOCATION		WATER QUALITY	
WATER TYPE		WATER TEMPERATURE	
WATER DEPTH		WATER LEVEL	
WATER TYPE		WATER LEVEL	

*Plan*

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE					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	
RAINGAGE	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 Go to Site and check phone line. No tone on telephone.  
Communications said they had a modern tone. Request meeting on  
Site to have set up explained to me. Check station house connection  
and also US West junction box. Found some wires loose and a pair  
cut. ?

*Plan*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

Horne's 1-Randwick		1-18-00	
		Riley	

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE					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	
RAINGAGE	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, restart program. still have a problem with phone.*

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WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

Horne Grandview		1-24-00	
			(Ren)

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE					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	
RAINGAGE	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, restart program. No phone tone  
but communications says there is a modem tone.

(Ren)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

ARRIVAL DATE	Horne & Grandview		DATE	01-31-00
ARRIVAL TIME		DEPARTURE TIME	STATION	(Horne)
FIELD MODE NUMBER		RAINGAGE SERIAL AND NUMBER		
FIELD SERIAL AND NUMBER		RAINGAGE SERIAL AND NUMBER		

	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
BATTERY VOLTAGE										volts
SOLAR PANEL										
CONNECTION CABLES										
RAINGAGE										
SAMPLE INTAKE TUBING										length (feet)
SAMPLER PUMP TUBING										
SAMPLER DISTRIBUTOR TUBING										
DEPTH SENSOR										depth (Inch)
CALIBRATE DEPTH SENSOR						N/A		N/A		
CALIBRATE SAMPLE VOLUME						N/A		N/A		mL
CLEANED SAMPLE INTAKE TUBING						N/A		N/A		

NOTES/ACTIONS check station, restart sampler, confirm sampler running.

(Horne)

Manhole located: 40 feet west of Grandview and 45 feet south of Station house on Horne in the EAST lane.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

STATION	Horne & Grandview		DATE	02/03/09
ARRIVAL TIME		DEPARTURE TIME		(Pleas)
WARRANTY		WARRANTY		
WARRANTY		WARRANTY		

	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
BATTERY VOLTAGE										volts
SOLAR PANEL										
CONNECTION CABLES										
RAINGAGE										
SAMPLE INTAKE TUBING										length (feet)
SAMPLER PUMP TUBING										
SAMPLER DISTRIBUTOR TUBING										
DEPTH SENSOR										depth (Inch)
CALIBRATE DEPTH SENSOR						N/A		N/A		
CALIBRATE SAMPLE VOLUME						N/A		N/A		mL
CLEANED SAMPLE INTAKE TUBING						N/A		N/A		

NOTES / ACTIONS Check Station, ReStart program, check drain

\_\_\_\_\_  
 \_\_\_\_\_ (Pleas)  
 \_\_\_\_\_  
 \_\_\_\_\_

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

STATION SITE	Hornet (Gandvica)		DATE	02/07/00
ARRIVAL TIME		DEPARTURE TIME		(Leen)
WARRANTY NUMBER		WARRANTY SERIAL NUMBER		
WARRANTY SERIAL NUMBER		WARRANTY SERIAL NUMBER		

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE					voltage
SOLAR PANEL					
CONNECTION CABLES					
RAINGAGE					
SAMPLE INTAKE TUBING					length (feet)
SAMPLER PUMP TUBING					
SAMPLER DISTRIBUTOR TUBING					
DEPTH SENSOR					depth (Inch)
CALIBRATE DEPTH SENSOR			N/A	N/A	
CALIBRATE SAMPLE VOLUME			N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING			N/A	N/A	

NOTES / ACTIONS *Restart program*

*(Leen)*

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WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

STATION SITE	Horn + Hardware		DATE	02/14/00
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY	<i>PCW</i>
SAMPLER MODEL NUMBER		SAMPLER SERIAL ASSY NUMBER		
DEPTH SENSOR MODEL NUMBER		DEPTH SENSOR SERIAL ASSY NUMBER		

	CHECKED DEVICE FUNCTIONAL	CONDITION	DEPTH	DEPTH	DEPTH
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	
RANGAGE	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*

*PCW*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

APPROXIMATE SITE	<i>Horne + Grandview</i>		DATE	<i>02/17/00</i>	
ARRIVAL TIME		DEPARTURE TIME		<i>11:00</i>	
SAMPLER MODEL NUMBER		SAMPLER SERIAL NUMBER			
DEPT. MODEL NUMBER		DEPT. SERIAL NUMBER			

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE					voltage
SOLAR PANEL					
CONNECTION CABLES					
RAINGAGE					
SAMPLE INTAKE TUBING					length (feet)
SAMPLER PUMP TUBING					
SAMPLER DISTRIBUTOR TUBING					
DEPTH SENSOR					depth (inch)
CALIBRATE DEPTH SENSOR			N/A	N/A	
CALIBRATE SAMPLE VOLUME			N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING			N/A	N/A	

NOTES / ACTIONS *Restart program*

*11:00*

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WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

STATION	Hornes Grandview	DATE	02/21/00
PARCEL		OPERATOR	(New)
PROJECT		PROJECT NUMBER	
PROJECT LOCATION		PROJECT SERIAL NUMBER	

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE					volts
SOLAR PANEL					
CONNECTION CABLES					
RAINGAGE					
SAMPLE INTAKE TUBING					length (feet)
SAMPLER PUMP TUBING					
SAMPLER DISTRIBUTOR TUBING					
DEPTH SENSOR					depth (Inch)
CALIBRATE DEPTH SENSOR			N/A	N/A	
CALIBRATE SAMPLE VOLUME			N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING			N/A	N/A	

NOTES/ACTIONS check Station, ice bottles, Restart program

0.00 inch rain at 1430

(New) (JH)

check gauge read 0.04 at 2000 hrs

(New)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Horn & Manduca		DATE	02/24/00
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY <i>Wes</i>	
SAMPLER MODEL NUMBER			SAMPLER SERIAL ASSET NUMBER	
PT SERIAL NUMBER ASSET NUMBER			RAINGAGE SERIAL ASSET NUMBER	

	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	
RAINGAGE	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 *Copy data & cover #2 empty ice from base*

*Restart program*

*Wes*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Horne + Grandville		DATE	02/28/00	
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY <i>(Signature)</i>		
SAMPLER MODEL NUMBER		SAMPLER SERIAL ASSET NUMBER			
PT. SERIAL NUMBER ASSET NUMBER		RAINGAGE SERIAL ASSET NUMBER			

	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	
RAINGAGE	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, restart program*

*(Signature)*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE <i>Grandview's Home</i>	DATE <i>03/02/00</i>	
ARRIVAL TIME	DEPARTURE TIME	SERVICED BY <i>Allen</i>
SAMPLER MODEL NUMBER	SAMPLER SERIAL ASSET NUMBER	
PT. SERIAL NUMBER / ASSET NUMBER	RAINGAGE SERIAL ASSET NUMBER	

	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	
RAINGAGE	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, restart program*

*Allen*

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WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE <i>Homes Grandeur</i>	DATE <i>03/05/00</i>	
ARRIVAL TIME	DEPARTURE TIME	SERVICED BY <i>Allen</i> <i>GLJ</i>
SAMPLER MODEL NUMBER	SAMPLER SERIAL ASSET NUMBER	
PT SERIAL NUMBER ASSET NUMBER	RAINGAGE SERIAL ASSET NUMBER	

	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	
RAINGAGE	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 *copy data to CD's Rain 0.14*

*No samples taken, Sampler waiting on Rain + flow*

*Re Start program*

*Allen* *GLJ*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Glandview Home		DATE	03/07/00
ARRIVAL TIME	1415	DEPARTURE TIME	SERVICED BY <i>Allen</i>	
SAMPLER MODEL NUMBER		SAMPLER SERIAL NUMBER		
PROSERIAL NUMBER ASSET NUMBER		RAINGAGE SERIAL NUMBER ASSET NUMBER		

	CHECKED SERVICED CALIBRATED	CONDITION	DEPTH	DEPTH	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	
RAINGAGE	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)
CAL BRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CAL BRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	TL
CLEAVED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES ACTIONS *check site* *Rain 2.14*

*Program complete.* *Flow 0.088*

*copy data to cell # 7* *level 1.19*

*Velocity*

# EQUIPMENT CLEANING CHECKLIST

Site Grandview's Home

Date 03/09/00 Time 0940

Serviced By: (Signature)

Data copied 03/07/00 Phone out, call in to communications.

Data Downloaded to DTU?

*Restart program. Check pump tubing, okay*

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler. *(Keep)*
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

*03/09/00 1240 pm Etnie called in problem to US coast*

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.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

FIELD SITE	Ganderus Home		DATE	03/13/00
ARRIVAL TIME		DEPARTURE TIME	SERVICES	Ren
SAMPLER MODEL NUMBER		BATTERY SERIAL ASSET NUMBER		
PT SERIAL NUMBER ASSET NUMBER		RAINGAGE SERIAL ASSET NUMBER		

	CHECKED / SERVICE / CALIBRATED	CONDITION	TESTED	REPAIR	REPLACE	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		
RAINGAGE	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)
CAL BRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A		
CAL BRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A		TL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A		

NOTES: ACTIONS check site, phone, phone fixed. Restart program.  
 (Ren)

\* 03/14/00 Alert Gauge serviced, 0.19 ft test. Restart program.  
 (Ren)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

STATION SITE	Grandview Home	DATE	03/16/00
ARRIVAL TIME	DEPARTURE TIME	SERVOLEAD	Rec'd
SAMPLER MODEL NUMBER		DATE OF SERIAL ASSEMBLY	
PT SERIAL NUMBER / SSET NUMBER		TRING / SERIAL ASSEMBLY NUMBER	

	CHECKED / SERVOLEAD / CALIBRATED	CONDITION	DEPTH (feet)	DEPTH (inches)	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RANGAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth 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 inches
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	
DEEVED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES: check site, reStart + program

Rec'd

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

ARRIVAL TIME	DEPARTURE TIME	SERVICE BY
08:00		Reed
CAMP #	MOON NUMBER	DATE
		03/20/00
STATION NUMBER	INSTRUMENT SERIAL NUMBER	
INSTRUMENT SERIAL NUMBER	INSTRUMENT SERIAL NUMBER	

	CHECKED / SERVICE / CALIBRATED	CONDITION	DEPTH	TIME	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RANGAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
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	
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES ACTION: check station, phone and restart program

Reed

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Horne & Grand view		DATE	03/23/00
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY	Plaw
SAMPLER MODEL NUMBER		INSTRUMENT SERIAL NUMBER		
DEPT. SERIAL NUMBER		CONTAINER SERIAL NUMBER		

	CHECKED	CONTAINER			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	
RAINGAGE	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	<u>YES</u> NO	<u>GOOD</u> FAIR POOR	YES <u>NO</u>	YES <u>NO</u>	
SAMPLER DISTRIBUTOR TUBING	<u>YES</u> NO	<u>GOOD</u> FAIR POOR	YES <u>NO</u>	YES <u>NO</u>	
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 Try to tip rain gauge, unable to reach rain gauge bucket.  
I will need to return and try again. Restart program and check pump, tube.

Plaw

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

FIELD SITE	Harriet Gladwin		DATE	03/27/00
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY	Keen
SAMPLER MODEL NUMBER			SAMPLE SERIAL NUMBER	
PS SERIAL NUMBER ASSET NUMBER			RAINGAGE SERIAL ASSET NUMBER	

	CHECKED SERVICED CALIBRATED	CONDIT.	TESTED	RECALIB	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	
RAINGAGE	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)
CAL BRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CAL BRATE 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 Open pump and rotate rollers, check phone and  
restart program  
 Keen

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Hornes Glendale		DATE	03/28/00
ARRIVAL TIME		DEPARTURE TIME	SERVICE BY	(Pen)
SAMPLER MODEL NUMBER		INSTRUMENT SERIAL NUMBER		
CONTAINER NUMBER / ASSET NUMBER		LANGUAGE SERIAL NUMBER		

	CHECKED	COMPLETED	YES	NO	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	
RAINGAGE	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 storm results, no rainy tipping bucket problem.  
No samples taken as of 0650. Some small runoff into park  
drain. (Pen)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

*HORNE & GRANDVIEW*

<b>SITE</b>	<i>6455 S Horne</i>	<b>DATE</b>	<i>03/29/00</i>
<b>ARRIVAL TIME</b>		<b>DEPARTURE TIME</b>	
<b>SAMPLER MODEL NUMBER</b>		<b>UNIT SERIAL NUMBER</b>	
<b>POSTERIAL NUMBER ASSET NUMBER</b>		<b>RANGAGE SERIAL NUMBER</b>	

	<b>CHECKED</b>	<b>CONC'D</b>	<b>REMARKS</b>	<b>REMARKS</b>	<b>NOTE</b>
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	vols
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAGE	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)
CAL BRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CAL BRATE 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 *Install 100mm tipping bucket rain gauge. Locate gauge on station roof. I will remove gauge located on light pole at later date. Test gauge, coast good. Change made so tipping bucket can be checked more often and calibrated when needed.*

*(Pew)*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Horne & Gundersen		DATE	03/30/00
ARRIVAL TIME		DEPARTURE TIME	SERVICES	Run
SAMPLER MODEL NUMBER			VALVE SERIAL NUMBER	
CONTROL SERIAL NUMBER			CONTROL SERIAL NUMBER	

	CHECKED SERIALIZED	CONDITION	YES	NO	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	
RAINGAGE	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, rain gauge installation, phone  
ReStart program  
Run

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

<b>SITE</b>	Grandview Home		<b>DATE</b>	04/05/00
<b>ARRIVAL TIME</b>		<b>DEPARTURE TIME</b>		(seen)
<b>WATER QUALITY</b>		<b>WATER QUALITY</b>		
<b>WATER QUALITY</b>		<b>WATER QUALITY</b>		

	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	NOTE
BATTERY VOLTAGE	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	voltage
SOLAR PANEL	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
CONNECTION CABLES	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
RAIN GAGE	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 Shot off computer/sampler, remove bottles for cleaning. Copy data at a later date.

(seen)

# WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	GRANDVIEW		DATE	6/14/00	
ARRIVAL TIME	0800	DEPARTURE TIME	0835	SERVICED BY	RWN/JRC
SAMPLER MODEL NUMBER	800		SAMPLER SERIAL/ ASSET NUMBER		
PT SERIAL NUMBER/ ASSET NUMBER			RAINGAGE SERIAL/ ASSET NUMBER		

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	YES <input checked="" type="checkbox"/> NO	YES <input checked="" type="checkbox"/> NO	11.8 volts
SOLAR PANEL	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> N/A	GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	YES <input type="checkbox"/> NO	YES <input type="checkbox"/> NO	
CONNECTION CABLES	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	YES <input checked="" type="checkbox"/> NO	YES <input checked="" type="checkbox"/> NO	
RAINGAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	YES <input checked="" type="checkbox"/> NO	YES <input checked="" type="checkbox"/> NO	
SAMPLE INTAKE TUBING	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	YES <input checked="" type="checkbox"/> NO	YES <input checked="" type="checkbox"/> NO	length (feet)
SAMPLER PUMP TUBING	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	YES <input checked="" type="checkbox"/> NO	YES <input checked="" type="checkbox"/> NO	
SAMPLER DISTRIBUTOR TUBING	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	YES <input checked="" type="checkbox"/> NO	YES <input checked="" type="checkbox"/> NO	
DEPTH SENSOR	YES <input type="checkbox"/> NO	GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	YES <input type="checkbox"/> NO	YES <input type="checkbox"/> NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES <input checked="" type="checkbox"/> NO	GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input checked="" type="checkbox"/> N/A	<input checked="" type="checkbox"/> N/A	
CALIBRATE SAMPLE VOLUME	YES <input checked="" type="checkbox"/> NO	GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input checked="" type="checkbox"/> N/A	<input checked="" type="checkbox"/> N/A	mL
CLEANED SAMPLE INTAKE TUBING	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input checked="" type="checkbox"/> N/A	<input checked="" type="checkbox"/> N/A	

NOTES / ACTIONS

Reinstalled sampler.  
Reprogrammed for summer. Restarted sampler.

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# EQUIPMENT CLEANING CHECKLIST

Site **GRANDVIEW**

Date **6/14/00** Time **0835**

Serviced By: **JRC/RWN**

**No** Data Downloaded to DTU?

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	GRANDVIEW		DATE	6/19/00	
ARRIVAL TIME	1142	DEPARTURE TIME	1150	SERVICED BY	JRC/RWN
SAMPLER MODEL NUMBER	800		SAMPLER SERIAL/ASSET NUMBER		
PT SERIAL NUMBER/ASSET NUMBER			RAINGAGE SERIAL/ASSET NUMBER		

	CHECKED/SERVICED/CALIBRATED	CONDITION	REPLACED?	TESTED?	
BATTERY VOLTAGE	YES <input checked="" type="radio"/> NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	YES NO <input checked="" type="radio"/> N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	<input checked="" type="radio"/> YES NO	<input checked="" type="radio"/> GOOD FAIR POOR	YES <input checked="" type="radio"/> NO	YES <input checked="" type="radio"/> NO	
RAIN GAGE <i>problem w/ storm water gage connection to sampler?</i>	<input checked="" type="radio"/> YES NO	GOOD FAIR <input checked="" type="radio"/> POOR	YES <input checked="" type="radio"/> NO	YES NO ?	
SAMPLE INTAKE TUBING	<input checked="" type="radio"/> YES NO	<input checked="" type="radio"/> GOOD FAIR POOR	YES <input checked="" type="radio"/> NO	YES <input checked="" type="radio"/> NO	length (feet)
SAMPLER PUMP TUBING	<input checked="" type="radio"/> YES NO	<input checked="" type="radio"/> GOOD FAIR POOR	YES <input checked="" type="radio"/> NO	YES <input checked="" type="radio"/> NO	
SAMPLER DISTRIBUTOR TUBING	YES <input checked="" type="radio"/> 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 <input checked="" type="radio"/> NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES <input checked="" type="radio"/> NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANNED SAMPLE INTAKE TUBING	YES <input checked="" type="radio"/> NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS RAINFALL = 0.00 in.

Per CFK, 4545 alert gage read 0.04 in.

Tested stormwater tipping bucket. No rain fall

registered on sampler. Need fix ASAP.

Phone time OK.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

<b>SITE</b>	Grandview Home		<b>DATE</b>	6/20/00
<b>ARRIVAL TIME</b>		<b>DEPARTURE TIME</b>	<b>SERVICED BY</b>	
<b>SAMPLER MODEL NUMBER</b>			<b>SAMPLER SERIAL/ ASSET NUMBER</b>	
<b>PT SERIAL NUMBER/ ASSET NUMBER</b>			<b>RAINGAGE SERIAL/ ASSET NUMBER</b>	

	<b>CHECKED / SERVICED / CALIBRATED</b>	<b>CONDITION</b>	<b>REPLACED?</b>	<b>NEEDS REPLACING?</b>	<b>NOTES</b>
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	
Cables / Connections	YES NO	GOOD FAIR POOR	YES NO	YES NO	
Raingage / Funnel / Screen	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL

NOTES / ACTIONS Replace raingage connector and check raingage,  
funnel, screen, check power, Battery, 13.8  
Electric 17.7  
Everything looks and operates correctly.  
Pick

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

<b>SITE</b>	<i>Grandview Home</i>		<b>DATE</b>	<i>6/21/00</i>
<b>ARRIVAL TIME</b>		<b>DEPARTURE TIME</b>	<b>SERVICED BY</b>	<i>Allen</i>
<b>SAMPLER MODEL NUMBER</b>			<b>SAMPLER SERIAL/ ASSET NUMBER</b>	
<b>PT SERIAL NUMBER/ ASSET NUMBER</b>			<b>RAINGAGE SERIAL/ ASSET NUMBER</b>	

	<b>CHECKED / SERVICED / CALIBRATED</b>	<b>CONDITION</b>	<b>REPLACED?</b>	<b>NEEDS REPLACING?</b>	<b>NOTES</b>
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	
Cables / Connections	YES NO	GOOD FAIR POOR	YES NO	YES NO	
Raingage / Funnel / Screen	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL

NOTES / ACTIONS *Check station, no rain, checked tipping bucket*

*Okay.*

*Allen*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE <i>C-Randwick Hoop</i>		DATE <i>6/27/00</i>	
ARRIVAL TIME <i>930</i>	DEPARTURE TIME <i>950</i>	SERVICED BY <i>(Signature)</i>	
SAMPLER MODEL NUMBER		SAMPLER SERIAL/ ASSET NUMBER	
PT SERIAL NUMBER/ ASSET NUMBER		RAINGAGE SERIAL/ ASSET NUMBER	

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE <i>Electric 17.3</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<i>13.2 volts</i>
SOLAR PANEL	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	
Cables / Connections	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	
Raingage / Funnel / Screen	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	
SAMPLER DISTRIBUTOR TUBING	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	
CLEANED SAMPLE INTAKE TUBING	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input type="checkbox"/> N/A	<input type="checkbox"/> N/A	
CALIBRATE SAMPLE VOLUME	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input type="checkbox"/> N/A	<input type="checkbox"/> N/A	mL

NOTES / ACTIONS *check station, program good, check phone  
ground, power 17.3 battery 13.2 put fuse in cap bag.  
Everything looks good.*

*(Signature)*

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	Horne & Grandview		DATE	6/29/00	
ARRIVAL TIME	1240	DEPARTURE TIME	1250	SERVICED BY	(Signature)
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	Rain 0.11 no sample waiting on rains level
2	Restart
3	(Signature)

# STORM EVENT LOG SHEET

1. Site: GRANDVIEW

Your Name: JRC

2. Date: 7/1/00 0050

Time: 0050

## SAMPLER PARAMETERS

3. Rainfall: 0.0 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.

No samples

8. Battery voltage: \_\_\_\_\_ volts

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

## FIELD PARAMETERS

10. Discharge (flow) at time of grabs \_\_\_\_\_ cfs

11. pH \_\_\_\_\_ su

12. Temperature \_\_\_\_\_ deg. C

## GRAB SAMPLES Take grabs from discharge only!

13. Grab samples taken? **Yes or No?**

14. Preservatives added to bottles? **Yes or No?**

# FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Homer Grandview</i>			DATE	<i>07/05/08</i>		
ARRIVAL TIME	<i>1045</i>	DEPARTURE TIME	<i>1100</i>	SERVICED BY	<i>[Signature]</i>		
SAMPLER	<u>SIGMA OR ISCO</u>			MODEL NUMBER	<u>800</u>	900	other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<u>YES</u> NO	<i>Good</i>
RAINGAGE (screen, funnel, tipping bucket)	<u>YES</u> NO	<i>clear</i>
SAMPLE TUBING (intake, pump, distributor)	<u>YES</u> NO	<i>check pump okay</i>
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

*Review program okay*

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.
1
2
3

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>C Manducan Home</i>		DATE	7/12/00	
ARRIVAL TIME	745	DEPARTURE TIME	805	SERVICED BY	<i>[Signature]</i>
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900
				other	

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<u>YES</u> NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>check station, tone and spare fuses. watch sprinkler system</i>
2	<i>work, no water hitting tipping bucket.</i>
3	<i>[Signature]</i>

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Grandview &amp; Heron</i>			DATE	<i>7/20/00</i>		
ARRIVAL TIME	<i>830</i>	DEPARTURE TIME	<i>840</i>	SERVICED BY	<i>[Signature]</i>		
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO			MODEL NUMBER	<input checked="" type="radio"/> 800	<input type="radio"/> 900	<input type="radio"/> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

*Restart program.*

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	
2	
3	

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Horned Grebe vice</i>		DATE	<i>7/25/00</i>	
ARRIVAL TIME	<i>1115</i>	DEPARTURE TIME	<i>1120</i>	SERVICED BY	<i>Plan</i>
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	<input checked="" type="radio"/> 800	<input type="radio"/> 900 <input type="radio"/> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

*Copy data to DTU #1 cell #3*

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.
1
2
3

# EQUIPMENT CLEANING CHECKLIST

Site **GRANDVIEW**

Date **7/31/00** Time **0425**

Serviced By: **JRC/JHS**

Data Downloaded to DTU?

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

# STORM EVENT LOG SHEET

1. Site: GRANDVIEW

Your Name: COX/SUTTON

2. Date: 7/31/00

Time: 0425

## SAMPLER PARAMETERS

3. Rainfall: 0.16 in

4. Flow: 0.002 cfs

5. Level: 0.22 in

6. Velocity: \_\_\_\_\_ ft/sec

- 1) Phone tone OK
- 2) Rainfall 0.16 in
- 3) Decon bottles (2)
- 4) Decon tubing #
- 5) Download data cell 4
- 6) Restart sampler

## O&M PARAMETERS

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

2 bottles ea. 2" full

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 \_\_\_\_\_ su

12. Temperature \_\_\_\_\_ deg. C

## GRAB SAMPLES Take grabs from discharge only!

13. Grab samples taken? Yes or No?

14. Preservatives added to bottles? Yes or No?

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Home &amp; Grandview</i>			DATE	<i>8/3/00</i>		
ARRIVAL TIME	<i>825</i>	DEPARTURE TIME	<i>835</i>	SERVICED BY	<i>Rep Rep</i>		
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO			MODEL NUMBER	<input checked="" type="radio"/> 800	<input type="radio"/> 900	other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	<i>No tone fixed phone, confirmed.</i>
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>Left running. data copied out unit</i>
2	
3	

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	C-Nandjewa Home		DATE	8/10/00	
ARRIVAL TIME	700	DEPARTURE TIME	910	SERVICED BY	
				<i>(Signature)</i>	<i>(Signature)</i>
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER		<input checked="" type="radio"/> 800 <input type="radio"/> 900     other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	<input checked="" type="radio"/> YES NO	<i>check pump &amp; tube</i>
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>Restart program</i>
2	
3	

# FCD/USGS STORMWATER O&M LOG SHEET

SITE	Grandview & Horne		DATE	8/15/00		
ARRIVAL TIME	947	DEPARTURE TIME	1000		SERVICED BY	(Screen)
SAMPLER	(SIGMA OR ISCO)		MODEL NUMBER	(800)	900	other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	(YES) NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	(YES) NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	(YES) NO	Rom pump, check hoses
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>Re Start program.</i>
2	
3	

# STORM EVENT LOG SHEET

1. Site: Home + Grandview

Your Name: Sutton, Cox, Siegfried

2. Date: 8-18-00

Time: 0024hrs

## SAMPLER PARAMETERS

3. Rainfall: .22 in

4. Flow: .006 cfs

5. Level: .33 in

6. Velocity: 0 ft/sec

## O&M PARAMETERS

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

~~Equipment not working~~ 2 bottles sampled

8. Battery voltage: N/A 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 N/A cfs

11. pH N/A su

12. Temperature N/A deg. C

## GRAB SAMPLES Take grabs from discharge only!

13. Grab samples taken? Yes or No

14. Preservatives added to bottles? Yes or No

# STORM EVENT LOG SHEET

1. Site: GRANDVIEW

Your Name: TRE JHS/TSS

2. Date: 8/18/00

Time: 0430

## SAMPLER PARAMETERS

3. Rainfall: 0.22 in

4. Flow: 0 cfs

5. Level: 0 in

6. Velocity: NA ft/sec

~~Downloaded  
data to cell #6.~~

## O&M PARAMETERS

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

2 bottles partially full

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 NA cfs

11. pH NA su

12. Temperature NA 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

Horne & Grandview

Mesa 4 # 4545

Date

8-19-00

Time

10:20<sub>A</sub>

Serviced By:

Siegfried Sutton

No

Data Downloaded to DTU?

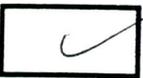
1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
4. On 900 models, press the Pump Operation key and then the select Purge.
5. Follow the steps below and check each as it is done.



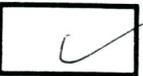
Pump approximately 1/2 gallon tap water through tubing.



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.

## STORMWATER O&M LOG SHEET

SITE	GRANDVIEW & AGRUE		DATE	8/19/00	
ARRIVAL TIME	17:30	DEPARTURE TIME	17:50	SERVICED BY	JRC & DRS
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.
1 DOWNLOAD DATA TO DTU #1065 CELL #4
2 RESTART PROGRAM
3

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	Grandview Home		DATE	08/28/00	
ARRIVAL TIME	1120	DEPARTURE TIME	1135	SERVICED BY	(Pew)
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.
1 Rain out Sampler Started. copy data dell #3
2 Not enough outlet Flow to collect samples.
3 iced

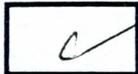
# EQUIPMENT CLEANING CHECKLIST

Site **Grandwater & Horne**

Date **8/30/00** Time **2:05**

Serviced By: **RWN & JMS**

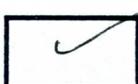
**cell #3**



**Data Downloaded to DTU?**

**Restart Program**

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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 & Horse

Date 8/31/00 Time 8:10

Serviced By: (Pur)

*No data copied. No rain since restart of sampler 8/30/00*

Data Downloaded to DTU? 7:45 PM

1. Halt program *8/30/00 Replaced fuse, on return check found sampler off after new fuse, sampler ran. No sign of any runoff.*
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models. *input 4819, or wait*
4. On 900 models, press the Pump Operation key and then the select Purge. *Read*
5. Follow the steps below and check each as it is done.

*Restart program.*

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.

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	Grandview Home		DATE	09/05/00	
ARRIVAL TIME	845	DEPARTURE TIME	855	SERVICED BY	
SAMPLER		SIGMA OR ISCO		MODEL NUMBER	800      900      other

EQUIPMENT CHECKED	YES NO	COMMENTS
BATTERY VOLTAGE OK		volts
SOLAR PANEL CLEAN		
CABLES AND CONNECTIONS GOOD		
CELLULAR ANTENNA	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
PHONE TONE		
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
SAMPLE TUBING (intake, pump, distributor)		
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)		
CALIBRATED DEPTH SENSOR		depth (in)
CALIBRATED SAMPLE VOLUME		ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	check station, restart program.
2	
3	

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Grandview Home</i>		DATE	<i>9/11/00</i>	
ARRIVAL TIME	<i>850</i>	DEPARTURE TIME	<i>900</i>	SERVICED BY	<i>(Signature)</i>
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	<input checked="" type="radio"/> 800	<input type="radio"/> 900 <input type="radio"/> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>No Rain, ReStart program</i>
2	
3	

# FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Gardview &amp; Home</i>		DATE	<i>9/19/00</i>	
ARRIVAL TIME	<i>8:10</i>	DEPARTURE TIME	<i>8:25</i>	SERVICED BY	<i>Reed</i>
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	<input checked="" type="radio"/> 800	<input type="radio"/> 900 <input type="radio"/> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="radio"/> YES NO	<i>Switch screens, clean funnel, Funnel had no screen.</i>
SAMPLE TUBING (intake, pump, distributor)	YES NO	<i>Plan</i>
CLEANED SAMPLE TUBING (tap, hydrogen, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.
1 <i>ReStart program</i>
2
3

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Grandview Home</i>			DATE	<i>9/26/00</i>		
ARRIVAL TIME	<i>805</i>	DEPARTURE TIME	<i>815</i>	SERVICED BY	<i>(Signature)</i>		
SAMPLER	<input checked="" type="checkbox"/> SIGMA OR ISCO		MODEL NUMBER	<input checked="" type="checkbox"/> 800	<input type="checkbox"/> 900	<input type="checkbox"/> other	

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="checkbox"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="checkbox"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="checkbox"/> YES NO	<i>clear</i>
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>Restart program</i>
2	
3	

# FCD/USGS STORMWATER O&M LOG SHEET

SITE	C. Rindvick & Horne		DATE	10/2/00	
ARRIVAL TIME	9:05	DEPARTURE TIME	9:15	SERVICED BY	[Signature]
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	<input checked="" type="radio"/> 800	<input type="radio"/> 900 <input type="radio"/> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	<input checked="" type="radio"/> YES NO	[Signature]
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	Restart program
2	
3	

# STORM EVENT LOG SHEET

1. Site: GRANDVIEW Your Name: JRC/SEF

2. Date: 10/14/00 Time: 1330

## SAMPLER PARAMETERS

3. Rainfall: 0.16 in

4. Flow: 0.0001 cfs

5. Level: 0.18 in

6. Velocity: — ft/sec

## O&M PARAMETERS

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

2 bottles

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 \_\_\_\_\_ su

12. Temperature \_\_\_\_\_ 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

Horne & Grandview

Date

10-6-00

Time

11:06 AM

Serviced By:

Larry Drickens



Data Downloaded to DTU?

DL # 8 1065

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

## STORMWATER O&M LOG SHEET

SITE	GRANDVIEW		DATE	10/8/00	
ARRIVAL TIME	1600	DEPARTURE TIME	SERVICED BY		JRC/SHS
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	Restarted. Checked program. RAIN = 0.01 in.
2	Took composite
3	

# STORM EVENT LOG SHEET

1. Site: Horne / Grandview

Your Name: Sutton

2. Date: 10-10-00

Time: 10:40a

5:00am - 8:34am - Storm Duration

## SAMPLER PARAMETERS

3. Rainfall: 1.06 in

4. Flow: 5.23 cfs

5. Level: 8.24 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 5.23 cfs

11. pH 8.7 su

12. Temperature 20° 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 Horne / Grandview

Date 10-10-00 Time 12:36p

Serviced By: Sutton

10/11/00 copy data cell # 3 10/11/00 Rain 1.27 difference 0.21

NO

6-noon  
DOT

Data Downloaded to DTU?

Level - 2.57in

TOTAL Rain - 1.06in

Flow - .455 cfs

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

# FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Horne &amp; Grandview</i>		DATE	<i>10/16/00</i>	
ARRIVAL TIME	<i>910</i>	DEPARTURE TIME	<i>920</i>	SERVICED BY	<i>Reis</i>
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	<input checked="" type="radio"/> 800	<input type="radio"/> 900 <input type="radio"/> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, Iquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>check station, phone and re-start program</i>
2	
3	

# STORM EVENT LOG SHEET

1. Site: Horne / Grandview

Your Name: Sutton - Siegfried

2. Date: 10-21-00

Time: 2315

## SAMPLER PARAMETERS

1600  
Sheet

3. Rainfall: .23 in

4. Flow: .040 cfs

5. Level: .83 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 \_\_\_\_\_ su

12. Temperature \_\_\_\_\_ 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 **Horne/Grandview**

Date **10-22-00** Time **1247**

Serviced By: **Sutton**

YES

**Data Downloaded to DTU?**

Cell #3 Serial #1065 Flow - 1031ccs / Level - 13 in / Rain - 16 in

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

# STORM EVENT LOG SHEET

1. Site: Home / Grandview

Your Name: Sutton

2. Date: 10-27-00

Time: 1712

## SAMPLER PARAMETERS

Storm start - 1300

3. Rainfall: .50 in

4. Flow: 1.47 cfs

5. Level: 4.40 in

6. Velocity: 0? 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 1.47 cfs

11. pH 7.1 su

12. Temperature 17° 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 Horne + Grandview

Date 10-28-00 Time 1048

Serviced By: Sutton

TOTAL Rain - 1.04" in Halt for 72 hrs until location 10-31-00

Yes

Data Downloaded to DTU?

Cell # 7 Serial # 1065

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

(Blue crystals have turned Pink on Depth Sensor line  
Desiccant beginning to turn Pink)

Sampler operated O.K.

# STORM EVENT LOG SHEET

1. Site: Home/Grandview

Your Name: Sutton

2. Date: 11-6-00

Time: 1251

halt for 72 hrs, Restart 11-9-00 @ 1445

## SAMPLER PARAMETERS

3. Rainfall: .29 in

Storm start: 1045

Storm ends: 1445

4. Flow: .907 cfs

5. Level: 3.55 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 \_\_\_\_\_ su

12. Temperature \_\_\_\_\_ 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 Hoink & Grandview .29" Rain

Date 11-7-00 Time 2015

Serviced By: Sutton

Yes

Data Downloaded to DTU?

Cell #3 Serial # 1665 Sampler functioned filling 1 bottle

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

Crystals turned pink on depth sensor, Desiccant turning pink on sampler  
Zoom box unplugged, Reconnected Zoom box, 72 hr restart 11-9-00 @ 1730

# S . ORM EVENT LOG SHEET

1. Site: Hobbs / Grandview Your Name: Sutton

2. Date: 11-10-00 Time: 2240

## SAMPLER PARAMETERS

Storm start - 1930

Storm end - 1930

Duration - 0

3. Rainfall: .09 in

4. Flow: .015 cfs

5. Level: 0.53 in

6. Velocity: \_\_\_\_\_ ft/sec

## O&M PARAMETERS

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

No Sufficient Rainfall

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 \_\_\_\_\_ su

12. Temperature \_\_\_\_\_ deg. C

## GRAB SAMPLES Take grabs from discharge only!

13. Grab samples taken? Yes or No?

14. Preservatives added to bottles? Yes or No?

**Dobson (Mesa 5)**

**Dobson Road south of Broadway**

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

	<i>Moody &amp; Dolson</i>		<i>1-12-2000</i>
			<i>Plan</i>

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE					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	
RAINGAGE	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. Restart program and*  
*check phone.*  
*Plan*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

DATE	Dobson + Meadoway	DATE	1-18-00
TIME		LOCATION	(Blank)
OPERATOR		INSTRUMENT	(Blank)
WATER QUALITY		WATER QUALITY	(Blank)

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE					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	
RAINGAGE	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, station Restart program*

*(Blank)*

*(Blank)*

*(Blank)*

*(Blank)*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

Roadways Dobson		1-24-00	
		(Ren)	

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE					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	
RAINGAGE	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 program. ReStart program check phone. okay.*

(Ren)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

Dobson & Broadway		01-31-00	
			(Ren)

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE					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	
RAINGAGE	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 sampler and Station. Restart program.  
 Confirm program running. check phone.

(Ren)

Manhole Located on Dobson 40 Feet South of Station house  
 in South local lane. approx 1/4 mile South of Broadway Rd.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

STATION SITE	Dobson Driveway		DATE	02/03/00
ARRIVAL TIME		DEPARTURE TIME		(Ren)
SAMPLER SERIAL NUMBER		SAMPLER SERIAL NUMBER		
SAMPLER SERIAL NUMBER		SAMPLER SERIAL NUMBER		

	YES	NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE	YES	NO	GOOD FAIR POOR	YES NO	YES NO	voltage
SOLAR PANEL	YES	NO	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES	NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAGE	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 statistics and restart program*

*(Ren)*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

ARRIVAL SITE	Dobson & Bluffway		DATE	02/07/00
ARRIVAL TIME		DEPARTURE TIME		(pen)
RAINFALL GAGE NUMBER		RAINFALL GAGE SERIAL NUMBER		
RAINFALL GAGE NUMBER		RAINFALL GAGE SERIAL NUMBER		

	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
BATTERY VOLTAGE	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	voltage
SOLAR PANEL	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
CONNECTION CABLES	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
RAINGAGE	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. check phone.*

*(pen)*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

ADDRESS SITE	Robson + Dheadley		DATE	02/14/00
ARRIVAL TIME		DEPARTURE TIME		(Pen)
BATTERY MODEL		SAMPLER SERIAL NUMBER		
DEPTH SENSOR SERIAL NUMBER		RAINGAGE SERIAL NUMBER		

	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
BATTERY VOLTAGE	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	volts
SOLAR PANEL	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
CONNECTION CABLES	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
RAINGAGE	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 and check phone*

(Pen)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

LOCATION SITE	Dobson J. Dilworth way		DATE	02/17/00
ARRIVAL TIME		REPAIRS	BY	Rem
MODEL NUMBER		SAMPLER SERIAL NUMBER		
DEPTH SERIAL NUMBER		RANGE SERIAL NUMBER		

	CHECKED YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
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	
RANGE	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*  
*(led)*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

ADDRESS SITE	Robson Woodway		DATE	02/21/00
ARRIVAL TIME		DEPARTURE TIME		(Ren)
PROJECT CODE NUMBER		WATER QUALITY SERIAL NUMBER		
PROJECT NAME		WATER QUALITY SERIAL NUMBER		

	YES	NO	GOOD FAIR POOR	YES NO	YES NO	
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	
RAINGAGE	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, read 0.00 rain. Restart program  
and ice bottles. Site is ready.  
 (Ren) (RHS)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Johnson & Dooling		DATE	02/24/00
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY	(Signature)
SAMPLER MODEL NUMBER		SAMPLER SERIAL ASSET NUMBER		
PT SERIAL NUMBER ASSET NUMBER		RAINGAGE SERIAL ASSET NUMBER		

	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	
RAINGAGE	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, empty ice from sampler base  
No rain recorded. Restart program  
 (Signature)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	<i>Madley &amp; Johnson</i>		DATE	<i>02/28/06</i>
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY	<i>(Signature)</i>
SAMPLER MODEL NUMBER		SAMPLER SERIAL ASSET NUMBER		
PT SERIAL NUMBER ASSET NUMBER		RAINGAGE SERIAL ASSET NUMBER		

	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	
RAINGAGE	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, restart program.*

*(Signature)*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE <i>Monahan &amp; Nelson</i>		DATE <i>03/02/00</i>	
ARRIVAL TIME	DEPARTURE TIME	SERVICED BY <i>[Signature]</i>	
SAMPLER MODEL NUMBER		SAMPLER SERIAL ASSET NUMBER	
PT SERIAL NUMBER / ASSET NUMBER		RAINGAGE SERIAL ASSET NUMBER	

	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	
RAINGAGE	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, restart program*  
*[Signature]*

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# WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

<b>SITE</b>	<i>Dreadnought Polson</i>	<b>DATE</b>	<i>03/05/00</i>
<b>ARRIVAL TIME</b>		<b>DEPARTURE TIME</b>	
		<b>SERVICED BY</b>	<i>(Signature) (Signature)</i>
<b>SAMPLER MODEL NUMBER</b>		<b>SAMPLER SERIAL/ ASSET NUMBER</b>	
<b>PT SERIAL NUMBER/ ASSET NUMBER</b>		<b>RAINGAGE SERIAL/ ASSET NUMBER</b>	

	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	
RAINGAGE	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** *Copy data, 0.00 rain, Restart program*

*cool #1 DTU*

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WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	<i>Broadley + Dobson</i>	DATE	<i>03/07/00</i>
ARRIVAL TIME	<i>1410</i>	DEPARTURE TIME	
SAMPLER MODEL NUMBER		SAMPLER SERIAL NUMBER	<i>1104</i>
PT SERIAL NUMBER		RAINGAGE SERIAL NUMBER	

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPAIRS	REPLACEMENT	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	
RAINGAGE	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 status* *Rain 0.00*

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*No samples taken* *Level 2.08m*

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*Sampler waiting on Flow + Rain* *Flow 0.128*

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*Copy data to cell #5* *Velocity*

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WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Robson's Woodway		DATE	03/09/00
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY	(Peters)
SAMPLER MODEL NUMBER		SAMPLER SERIAL ASSET NUMBER		
PT SERIAL NUMBER ASSET NUMBER		RAINGAGE SERIAL ASSET NUMBER		

	CHECKED / SERVICED / CALIBRATED	CONTACT			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	
RAINGAGE	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	<input checked="" type="checkbox"/> YES NO	GOOD FAIR <del>POOR</del>	<input checked="" type="checkbox"/> YES NO	<input checked="" type="checkbox"/> 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: Tricel to clean intake line, Fuse blew. Replace Fuse, blew again. Open up sampler pump and found Hose cracked and broken. Replace pump hose, Clean and Flush lines.

(Peters)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

ARRIVAL SITE	<i>Dobson + Dickey Hwy</i>		DATE	<i>03/13/00</i>
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY	<i>Allen</i>
SAMPLER MODEL NUMBER		BATTERY SERIAL ASSET NUMBER		
PUMP SERIAL NUMBER ASSET NUMBER		RAINGAGE SERIAL ASSET NUMBER		

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED	TESTED	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	
RAINGAGE	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, restart program*

*Allen*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	<i>Broadway + Dobson</i>	DATE	<i>03/16/00</i>
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY <i>Allen</i>
SAMPLER MODEL NUMBER		SAMPLER SERIAL NUMBER	
DEPTH SERIAL NUMBER		RAINGAGE SERIAL NUMBER	

	CHECKED SERVICED CALIBRATED	CONDITION	DEPTH	VOLUME	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	
RAINGAGE	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 (inches)
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, restart program*  
*Allen*

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WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

FIELD SITE	Blondewaj & Debaon		DATE	03/20/00
ARRIVAL TIME		DEPARTURE TIME	SERVOLEAD BY	(Plan)
SAMPLER MODEL NUMBER			NAME & SERIAL ASSET NUMBER	
PT SERIAL NUMBER ASSET NUMBER			RUNNING SERIAL ASSET NUMBER	

	CHECKED / SERVICED / CALIBRATED	CONDITION	DEPTH (feet)	DEPTH (inches)	NOTE
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
FRANGAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (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 (inches)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES AND COMMENTS: Check sites, restart program. Please

(Plan)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Dohson + Broadway	DATE	03/23/00
ARRIVAL TIME		DEPARTURE TIME	
SAMPLER MODEL NUMBER		NAME / SERIAL NUMBER	
PREVIOUS SERIAL NUMBER / ASSET NUMBER		TRAINING / SERIAL NUMBER / ASSET NUMBER	

	CHECKED / SERVICED / CALIBRATED	CONDITION	TESTED	FUNCTIONAL	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
PAN GAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	OK
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	
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTION: Check site, tube, phone and restart program

*(Signature)*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

FIELD SITE	Dobson Meadow		DATE	03/27/00
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY	Reck
SAMPLER MODEL NUMBER		SAMPLER SERIAL NUMBER		
PS SERIAL NUMBER ASSET NUMBER		RAINGAGE SERIAL NUMBER		

	CHECKED SERVICED CALIBRATED	CONDITION	DEPTH	VOLUME	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	
RAINGAGE	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)
CAL BRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CAL BRATE 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, phone and restart program*

*(Reck)*

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WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

<b>SITE</b>	Blaughey & Dobson		<b>DATE</b>	03/28/00
<b>ARRIVAL TIME</b>		<b>DEPARTURE TIME</b>	<b>SERVICED BY</b>	Peer
<b>SAMPLER HOOP NUMBER</b>		<b>INTAKE SERIAL NUMBER</b>		
<b>DISTRIBUTOR NUMBER</b>		<b>DEPTH SERIAL NUMBER</b>		

	<b>CHECKED</b>	<b>CONDITION</b>	<b>DEPTH</b>	<b>VOLUME</b>	<b>NOTES</b>
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	
RAINGAGE	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)
CAL BRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CAL BRATE 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 for storm results, no rain recorded on sampler. Some rain around. will check tipping bucket on return visit. No samples as of 0620

Peer

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Meadowcroft Detson	DATE	03/29/06
ARRIVAL TIME		DEPARTURE TIME	
SAMPLER MODEL NUMBER		FIELD SERIAL NUMBER	
LABORATORY SERIAL NUMBER		LABORATORY ASSET NUMBER	

	CHECKED / CALIBRATED	CONDITION	REPAIRS	REPLACEMENT	NOTE
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	
RAINGAGE	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 *Install new 100 mm tipping bucket rain gauge. old one was lost due to accident and light pole removal. No one injured FCP at accident. Gauge located behind station house.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

WQMS SITE	Broadway & Dobson		DATE	03/30/00
ARRIVAL TIME		DEPARTURE TIME	None	
SAMPLER MODEL NUMBER		SAMPLER SERIAL NUMBER		
SYSTEM NUMBER / ASSET NUMBER		RANGAGE SERIAL NUMBER / ASSET NUMBER		

	CHECKED	CONDITION	YES	NO	NOTE
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	
RAINGAGE	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)
CAL BRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CAL BRATE 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, No data copied due to no rain recording. Station checked.

None

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

STL	McCauley & Dobson	DST	04/05/00
PARVA		DETAILED	(None)
INSTRUMENT		GENERAL	
GENERAL		GENERAL	

	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	NOTES
BATTERY VOLTAGE	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	volts
SOLAR PANEL	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
CONNECTION CABLES	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
RAINGAGE	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)
CAL BRATE DEPTH SENSOR	YES	NO	GOOD	FAIR	POOR	N/A		N/A		
CAL BRATE 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 fuse blown, circuit breaker thrown. Replace fuse and reset circuit breaker. Shut off sampler until data can be copied. remove bottles for cleaning.

(None)

# WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	DOBSON			DATE	4/25/00	
ARRIVAL TIME	Fed Shop	DEPARTURE TIME	Fed Shop	SERVICED BY	RWN	
SAMPLER MODEL NUMBER		800		SAMPLER SERIAL/ ASSET NUMBER		
PT SERIAL NUMBER/ ASSET NUMBER				RAINGAGE SERIAL/ ASSET NUMBER		

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
	YES NO	GOOD FAIR POOR	YES NO	YES NO	
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	
RAINGAGE	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 SCHEDULED MAINTENANCE COMPLETED

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# WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	DOBSON		DATE	6/13/00	
ARRIVAL TIME	1010	DEPARTURE TIME	1045	SERVICED BY	JRC/RWH
SAMPLER MODEL NUMBER	800		SAMPLER SERIAL/ ASSET NUMBER		
PT SERIAL NUMBER/ ASSET NUMBER			RAINGAGE SERIAL/ ASSET NUMBER		

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	13.1 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	
RAINGAGE	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 Reprogrammed for summer. Restarted sampler.

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# EQUIPMENT CLEANING CHECKLIST

Site

Date  Time

Serviced By:

Data Downloaded to DTU?

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

# WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	DOBSON		DATE	6/19/00	
ARRIVAL TIME	1110	DEPARTURE TIME	1115	SERVICED BY	JRC/RWH
SAMPLER MODEL NUMBER		800		SAMPLER SERIAL/ ASSET NUMBER	
PT SERIAL NUMBER/ ASSET NUMBER				RAINGAGE SERIAL/ ASSET NUMBER	

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

NOTES / ACTIONS RAIN FALL 0.08 in.

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WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

Broadway & Dobson		6/20/00	
		(Poor)	

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
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	
Cables / Connections	YES NO	GOOD FAIR POOR	YES NO	YES NO	
Raingage / Funnel / Screen	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL

NOTES / ACTIONS *check Electric & Battery power. Battery 13.4*  
*Electric 17.2*  
*check funnel, tipping bucket. Everything looks ready -*  
(Poor)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	<i>Blondagey, Dekson</i>		DATE	<i>6/21/00</i>
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY	<i>(Signature)</i>
SAMPLER MODEL NUMBER			SAMPLER SERIAL/ ASSET NUMBER	
PT SERIAL NUMBER/ ASSET NUMBER			RAINGAGE SERIAL/ ASSET NUMBER	

	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	
Cables / Connections	YES NO	GOOD FAIR POOR	YES NO	YES NO	
Raingage / Funnel / Screen	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL

NOTES / ACTIONS *check station, 0.09 rain, left sunny*

*(Signature)*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Dohson + Broadway		DATE	6/27/00
ARRIVAL TIME	8:15	DEPARTURE TIME	8:45	SERVICED BY <i>(Signature)</i>
SAMPLER MODEL NUMBER			SAMPLER SERIAL/ ASSET NUMBER	
PT SERIAL NUMBER/ ASSET NUMBER			RAINGAGE SERIAL/ ASSET NUMBER	

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE <i>Backup</i>	YES NO	GOOD FAIR POOR	YES NO	YES NO	13.8 volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
Cables / Connections	YES NO	GOOD FAIR POOR	YES NO	YES NO	
Raingage / Funnel / Screen	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING <i>check pump</i>	YES NO	GOOD FAIR POOR	YES NO	YES NO	
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL

NOTES / ACTIONS *check back up battery 13.8 good. check pump tube, good. Review sampler program. Reenter summer program and set in 500 min. Everything else look good.*

*(Signature)*

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Dubson &amp; Ducey</i>			DATE	<i>6/29/00</i>		
ARRIVAL TIME	<i>1150</i>	DEPARTURE TIME	<i>1205</i>	SERVICED BY	<i>Paul</i>		
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO			MODEL NUMBER	<input checked="" type="radio"/> 800	900	other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	YES NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="radio"/> YES NO	<i>clear</i>
SAMPLE TUBING (intake, pump, distributor)	<input checked="" type="radio"/> YES NO	<i>checked pump</i>
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>0.34 rain recorded. No samples. Re Start</i>
2	<i>Need to check &amp; calibrate PT.</i>
3	<i>Paul</i>

# STORM EVENT LOG SHEET

1. Site: DOBSON

Your Name: JRC

2. Date: 7/1/00

Time: 0100

## SAMPLER PARAMETERS

3. Rainfall: 0.20 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.

No samples

8. Battery voltage: \_\_\_\_\_ volts

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

## FIELD PARAMETERS

10. Discharge (flow) at time of grabs \_\_\_\_\_ cfs

11. pH \_\_\_\_\_ su

12. Temperature \_\_\_\_\_ deg. C

## GRAB SAMPLES Take grabs from discharge only!

13. Grab samples taken? **Yes or No?**

14. Preservatives added to bottles? **Yes or No?**

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Dohson &amp; Broadway</i>		DATE	<i>07/05/00</i>	
ARRIVAL TIME	<i>0950</i>	DEPARTURE TIME	<i>1015</i>		SERVICED BY
SAMPLER		<input checked="" type="radio"/> SIGMA OR ISCO	MODEL NUMBER	<input checked="" type="radio"/> 800	<input type="radio"/> 900 <input type="radio"/> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	<i>Good</i>
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="radio"/> YES NO	<i>clear</i>
SAMPLE TUBING (intake, pump, distributor)	<input checked="" type="radio"/> YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	<input checked="" type="radio"/> YES NO	<i>purge line, no blockage. check pump Okay. No problem found.</i>
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

*Review program. O/Kays*

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.
1
2
3

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Robson &amp; Broadway</i>		DATE	<i>7/12/00</i>	
ARRIVAL TIME	<i>700</i>	DEPARTURE TIME	<i>(Signature)</i>		
SAMPLER	<input checked="" type="radio"/> SIGMA <input type="radio"/> OR ISCO		MODEL NUMBER	<input checked="" type="radio"/> 800	<input type="radio"/> 900
			other		

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	volts
SOLAR PANEL CLEAN	YES <input type="radio"/> NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CELLULAR ANTENNA	YES <input type="radio"/> NO	
PHONE TONE	<input checked="" type="radio"/> YES <input type="radio"/> NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>Funnel clear</i>
SAMPLE TUBING (intake, pump, distributor)	YES <input type="radio"/> NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES <input type="radio"/> NO	
CALIBRATED DEPTH SENSOR	YES <input type="radio"/> NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES <input type="radio"/> NO	ml

*Program running, spare fuses.*

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	
2	
3	

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	Dobson's Broadway		DATE	7/12/00	
ARRIVAL TIME	840	DEPARTURE TIME	910		SERVICED BY
SAMPLER		SIGMA OR ISCO	MODEL NUMBER		800
			900	other	

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="radio"/> YES NO	clean & clear
SAMPLE TUBING (intake, pump, distributor)	<input checked="" type="radio"/> YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	<input checked="" type="radio"/> YES NO	2 bottles had samples. clean bottles and intake line, ve start procedure
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	
2	
3	

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Dobson &amp; Dredging</i>		DATE	<i>7/20/00</i>	
ARRIVAL TIME	<i>740</i>	DEPARTURE TIME	<i>800</i>	SERVICED BY	<i>[Signature]</i>
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	<input checked="" type="radio"/> 800	<input type="radio"/> 900 <input type="radio"/> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	volts
SOLAR PANEL CLEAN	YES <input type="radio"/> NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CELLULAR ANTENNA	YES <input type="radio"/> NO	
PHONE TONE	<input checked="" type="radio"/> YES <input type="radio"/> NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>clear</i>
SAMPLE TUBING (intake, pump, distributor)	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>Pump P/Later No blockage</i>
CLEANED SAMPLE TUBING (tap, hydrogen, tap, nitric, DI)	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CALIBRATED DEPTH SENSOR	YES <input type="radio"/> NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES <input type="radio"/> NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.
1
2
3

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Dobson &amp; Maudley</i>		DATE	<i>7/25/00</i>	
ARRIVAL TIME	<i>1040</i>	DEPARTURE TIME	<i>1055</i>	SERVICED BY	<i>Reed</i>
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	<input checked="" type="radio"/> 800	<input type="radio"/> 900 <input type="radio"/> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, Iiquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

*Copy data to Cell #1 DTU #1*

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.
1
2
3

# STORM EVENT LOG SHEET

1. Site: DOBSON

Your Name: COX/PUTT

2. Date: 7/31/00

Time: 0502

## SAMPLER PARAMETERS

3. Rainfall: 0.21 in

4. Flow: 0.00 cfs

5. Level: 0.00 in

6. Velocity: \_\_\_\_\_ ft/sec

- 1) Phone Tone OK
- 2) Download data to cell 5.
- 3) Bottles empty.
- 4) Restart sampler.

## O&M PARAMETERS

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

Did not sample. PT not calibrated?

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 \_\_\_\_\_ su

12. Temperature \_\_\_\_\_ deg. C

GRAB SAMPLES Take grabs from discharge only!

13. Grab samples taken? **Yes or No?**

14. Preservatives added to bottles? **Yes or No?**

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Dohson &amp; Dineen Way</i>		DATE	<i>8/3/00</i>	
ARRIVAL TIME	<i>745</i>	DEPARTURE TIME	<i>800</i>		
SAMPLER		<input checked="" type="radio"/> SIGMA OR ISCO	MODEL NUMBER	<input checked="" type="radio"/> 800	<input type="radio"/> 900 <input type="radio"/> other
			SERVICED BY	<i>[Signature]</i>	<i>[Signature]</i>

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>Left program running; data copied out unit.</i>
2	
3	

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Dobson + Driscoll</i>		DATE	<i>8/10/00</i>	
ARRIVAL TIME	<i>8:20</i>	DEPARTURE TIME	<i>8:35</i>	SERVICED BY	
SAMPLER		<input checked="" type="radio"/> SIGMA <input type="radio"/> OR ISCO	MODEL NUMBER		<input checked="" type="radio"/> 800 <input type="radio"/> 900 <input type="radio"/> other

EQUIPMENT CHECKED	YES NO	COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	<input checked="" type="radio"/> YES NO	<i>checked pump + tube</i>
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>Restart program</i> <span style="float: right;"><i>0.07 in rainfall</i></span>
2	
3	

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Robison D Roadway</i>		DATE	<i>8/15/00</i>	
ARRIVAL TIME	<i>0845</i>	DEPARTURE TIME	<i>910</i>		SERVICED BY
SAMPLER		<input checked="" type="radio"/> SIGMA OR ISCO	MODEL NUMBER	<input checked="" type="radio"/> 800	<input type="radio"/> 900
					<input type="radio"/> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	<i>Ran pump, checked hoses.</i>
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>Re Start + program.</i>
2	
3	

# STORM EVENT LOG SHEET

1. Site: Debsen / Broadway

Your Name: Sutton, Siegfried, Cox

2. Date: 8-17-00

Time: 2316 HRS

## SAMPLER PARAMETERS

3. Rainfall: .28 in

4. Flow: 0 cfs

5. Level: 0 in

6. Velocity: 0 ft/sec

## O&M PARAMETERS

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

Sampler didn't activate

8. Battery voltage: N/A 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 N/A cfs

11. pH N/A su

12. Temperature N/A 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 Broadway + Dobson Mesa 5 # 4535

Date 8-19-00 Time 1300

Serviced By: Seigfried, Sutton

YES

Data Downloaded to DTU?

Cell #1 S/N 1065

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

# FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Dobson &amp; Broadway</i>		DATE	<i>08/28/00</i>		
ARRIVAL TIME	<i>1035</i>	DEPARTURE TIME	SERVICED BY			
		<i>1050</i>	<i>Plun</i>			
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	<input checked="" type="radio"/> 800	<input type="radio"/> 900	<input type="radio"/> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	<i>Good</i>
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinnox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.

1	<i>Copy data to cell #1</i>	<i>0.26 Rain Sampler</i>
2	<i>waiting on Rain &amp; flow. NO samples. ReStart</i>	
3	<i>program. Rain is <del>accumulative</del> accumulative</i>	

# STORM EVENT LOG SHEET

1. Site: Darcelay + Dobson

Your Name: Alan

2. Date: 8/30/00

Time: 1:50

## SAMPLER PARAMETERS

3. Rainfall: at 1700 0.51 in

*No flow/level recorded.  
Need to check PT*

4. Flow: \_\_\_\_\_ cfs

*Accurate company did not*

5. Level: \_\_\_\_\_ in

*Show up as 0.5 pm.*

6. Velocity: \_\_\_\_\_ ft/sec

*Drainage from street now stopping.*

## O&M PARAMETERS

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

No Flow Level

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 0.0 cfs

11. pH 6 su

12. Temperature 27 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 Dobson + Broadway

Date 8/30/00 Time 1245

Serviced By: (Rur) (JHG)

Cons data & Cell #1  
Data Downloaded to DTU?

Empty base of ice eater, ReStart program.

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

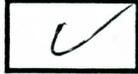
# EQUIPMENT CLEANING CHECKLIST

Site *Robson & Broadway*

Date *8/31/00* Time *0730*

Serviced By: *(Signature)*

*Cell # 6* *No samples taken in sampler*



Data Downloaded to DTU?

*Restart program*

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

# FCD/USGS STORMWATER O&M LOG SHEET

SITE	Dohson at Ditch		DATE	09/05/00	
ARRIVAL TIME	800	DEPARTURE TIME	815	SERVICED BY	
SAMPLER		SIGMA OR ISCO		MODEL NUMBER	800 <del>990</del> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<u>YES</u> NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<u>YES</u> NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	Restart program.
2	
3	

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	Dobson		DATE	9/11/00	
ARRIVAL TIME	815	DEPARTURE TIME	825	SERVICED BY	(Signature)
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	<input checked="" type="radio"/> 800	<input type="radio"/> 900 <input type="radio"/> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	Read 0.01
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	Restart program
2	
3	

# FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Dobson + Broadway</i>		DATE	<i>9/19/00</i>	
ARRIVAL TIME	<i>720</i>	DEPARTURE TIME	<i>735</i>		SERVICED BY
				<i>(Signature)</i>	
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	<input checked="" type="radio"/> 800	<input type="radio"/> 900 <input type="radio"/> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="radio"/> YES NO	<i>Switchout funnel screen</i>
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>Restart program.</i>
2	
3	

## FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Dobson's Brookway</i>		DATE	<i>9/26/00</i>	
ARRIVAL TIME	<i>715</i>	DEPARTURE TIME	<i>730</i>	SERVICED BY	<i>clear</i>
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	<input checked="" type="radio"/> 800	<input type="radio"/> 900 <input type="radio"/> other

EQUIPMENT CHECKED	YES NO	COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="radio"/> YES NO	<i>clear</i>
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, Ilquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.
<i>1 Restart program.</i>
<i>2</i>
<i>3</i>

# FCD/USGS STORMWATER O&M LOG SHEET

SITE	Dobson Meadow		DATE	10/2/00	
ARRIVAL TIME	820	DEPARTURE TIME	835	SERVICED BY	[Signature]
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900      other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="radio"/> YES NO	clear
SAMPLE TUBING (intake, pump, distributor)	<input checked="" type="radio"/> YES NO	Pump okay
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	Restart program
2	
3	

# STORM EVENT LOG SHEET

1. Site: D-8502

Your Name: TRC/SCF

2. Date: 10/4/00

Time: 1245

## SAMPLER PARAMETERS

3. Rainfall: 0.13 in

4. Flow: 0.00 cfs

5. Level: 0.00 in

6. Velocity: — ft/sec

## O&M PARAMETERS

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

did not sample (due to PT ?)

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 \_\_\_\_\_ su

12. Temperature \_\_\_\_\_ 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 **Broadway & Dobson**

Date **10-16-00** Time **12:19 ~~AM~~ PM**

Serviced By: **Larry Dickens**

**Data Downloaded to DTU?**

*DL Cell #9 1065*

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

## STORMWATER O&M LOG SHEET

SITE	DOBSON		DATE	10/2/00	
ARRIVAL TIME	1630	DEPARTURE TIME	SERVICED BY		JRC/JHS
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900      other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	Restarted. Checked program - RAINT = 0.00 in.
2	Feed composite.
3	

# STORM EVENT LOG SHEET

1. Site: Dobson

Your Name: Sutton

2. Date: 10-10-00

Time: 8:50<sup>AM</sup>

6:30<sup>AM</sup> - 7:30<sup>AM</sup> - storm duration

## SAMPLER PARAMETERS

3. Rainfall: .36 in (.51)

10/11/00 Rainfall

4. Flow: ∅ cfs

Read .67

5. Level: ∅ in

51

6. Velocity: ∅ ft/sec

additions .16

## 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 8.6 su

12. Temperature 20° 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 Broadway + Dobson

Date 10/11/00 Time 8 AM

Serviced By: Min SLF



*copy to data cell #1 on 1128-2276* *CH2007*  
**Data Downloaded to DTU?**

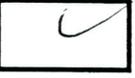
1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
4. On 900 models, press the Pump Operation key and then the select Purge.
5. Follow the steps below and check each as it is done.



**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.

# FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Dobson + Snowling</i>		DATE	<i>10/16/00</i>	
ARRIVAL TIME	<i>8:35-</i>	DEPARTURE TIME	SERVICED BY		
		<i>8:45-</i>	<i>Allen</i>		
SAMPLER	<u>SIGMA</u> OR ISCO		MODEL NUMBER	<u>800</u>	900      other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	<u>YES</u> NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<u>YES</u> NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, lquinox, tap, nitric, DI)	YES NO	
CALIBRATED DEPTH SENSOR	YES NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>check station phone, restart program</i>
2	
3	

# STORM EVENT LOG SHEET

1. Site: Dobson

Your Name: Sutton-Siegfried

2. Date: 10-21-00

Time: 2214

## SAMPLER PARAMETERS

3. Rainfall: .45 in

1600  
start

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: NA 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 \_\_\_\_\_ su

12. Temperature \_\_\_\_\_ 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 Broadway / Nobson

Date 10-27-00 Time 11:54

Serviced By: Sutton

YES

### Data Downloaded to DTU?

Cell #1 Serial # 1065 TOTAL Rain 1.36in

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

# STORM EVENT LOG SHEET

1. Site: DOBSON Your Name: Sutton

2. Date: 10/27/00 Time: 1437

Storm Start - 1300

## SAMPLER PARAMETERS

3. Rainfall: .25 in .72" in @ 1600

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.

Sampler not sampling

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 \_\_\_\_\_ su

12. Temperature \_\_\_\_\_ deg. C

## GRAB SAMPLES Take grabs from discharge only!

13. Grab samples taken? **Yes or No?** excessive Rain

14. Preservatives added to bottles? **Yes or No?**

# EQUIPMENT CLEANING CHECKLIST

Site

DoBson

Date

10-28-00

Time

6:50

Serviced By:

Sutton

TOTAL Rainfall 1.04 in

YES

Data Downloaded to DTU?

Cell # 5 Serial # 1065

Program Halted for 72 hrs until 10-31-00

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

# STORM EVENT LOG SHEET

1. Site: DeBSea

Your Name: Sutton

2. Date: 11-6-00

Time: 1231

## SAMPLER PARAMETERS

3. Rainfall: 1.22 in

4. Flow: 4 cfs

5. Level: 4 in

6. Velocity: \_\_\_\_\_ ft/sec

Storm Start: 1115

Storm End: 1515

Halt for 72 hrs, Restart 11-9-00 @ 1515

## 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 \_\_\_\_\_ su

12. Temperature \_\_\_\_\_ 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 **DOBSON / Broadway** -22 Run

Date **11-7-00** Time **1923**

Serviced By: **Sutton**

YES

**Data Downloaded to DTU?**

Cell #1 Serial # 1065

1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
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.

Sampler didn't function, 72 hr restart 11-9-00 @ 1630

# S. ORM EVENT LOG SHEET

1. Site: DOBSON Your Name: Sutton

2. Date: 11-10-00 Time: 2056

## SAMPLER PARAMETERS

Storm start -  $\emptyset$   
Storm end -  $\emptyset$   
Duration -  $\emptyset$

3. Rainfall: .02 in

4. Flow: ~~0.010~~ .010 cfs

5. Level: .64 in

6. Velocity: \_\_\_\_\_ ft/sec

## O&M PARAMETERS

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

No Sufficient Rainfall

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 \_\_\_\_\_ su

12. Temperature \_\_\_\_\_ deg. C

GRAB SAMPLES Take grabs from discharge only!

13. Grab samples taken? Yes or **No?**

14. Preservatives added to bottles? Yes or **No?**