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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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

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

August 17, 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 Glendale, Arizona

August 17, 2001

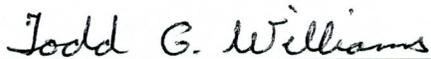
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Stormwater Quality Report
City of Glendale, Arizona

Third and Fourth Quarters 2000
First and Second Quarters 2001

August 17, 2001

Introduction

This report details the NPDES stormwater sampling activities for the five Glendale sites for the period from January 1, 2000 through December 31, 2000.

The Flood Control District of Maricopa County (FCD) operates and maintains four land based stormwater quality monitoring stations for the City of Glendale. FCD's subcontractor, the U.S. Geological Survey (USGS), operates and maintains one additional site. FCD staff are responsible for collecting samples at the following sites: Arrow, Butler, Citrus, and Industrial Park. USGS staff are responsible for collecting samples at the Olive site.

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.**

GLENDALE	RAINFALL	DURATION
SUMMER (April – September)	0.2 – 0.8 INCHES	2.2 – 6.5 HOURS
WINTER (October – March)	0.2 – 0.7 INCHES	5.2 – 15.6 HOURS

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

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

Summary of Representative Storm Events (None Sampled)

The narrative discussion provided below is presented by quarter. In addition, Table 1 on Page 4 of this report summarizes storm events with rainfall greater than or equal to two-tenths of an inch that occurred from January 1, 2000 through December 31, 2000. Any troubleshooting of the equipment is detailed in the Maintenance Summary section of this report. There were no representative storm events during this period. Since no storms met the representative storm event criteria, water quality samples were not collected or analyzed.

January – March 2000

There was no precipitation during the month of January. Total rainfall during February at each of the five Glendale sites ranged from 0.09 inches to 0.20 inches. The storms were all too short to meet the representative winter storm criteria, and rainfall amounts were all less than or equal to 0.20 inches.

Three storms occurred during March at four of the five sites. Only two storms occurred at the fifth site. The first storm occurred valleywide on March 5 – 7. The storm duration was too long to meet the representative winter storm criteria. All Glendale sites received 1.89 to 2.29 inches of rain, significantly greater than the maximum amount of 0.70 inches required for a representative winter storm event. Rainfall for the other “minor” storm events ranged from 0.02 to 0.30 inches.

April – June 2000

The representative summer storm event criteria are in effect from April 1 through September 30. No precipitation was recorded at any of the five Glendale sites during April or May. The 2000 monsoon arrived on June 17, one day after the earliest record of June 16, 1925. However, no precipitation was recorded at either the Butler or Olive sites during June. Total rainfall at the other three Glendale sites during June ranged from 0.04 inches to 0.27 inches. All storms were too short and generated too little rainfall to meet the representative summer storm event criteria.

July – September 2000

Total rainfall during July at each of the five Glendale sites ranged from 0.00 inches to 0.10 inches. Total rainfall during August at each of the five Glendale sites ranged from 0.32 to 1.58 inches. During August 1999, rainfall at the same sites ranged from 0.01 to 0.48 inches. 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. No precipitation was recorded at any of the five Glendale sites during September, with the exception of 0.01 inches on September 25 at the Butler site.

October – December 2000

October 2000 was the second wettest October in the Phoenix metropolitan area during a period of record of approximately one hundred and ten years. Total rainfall during October at each of the five Glendale sites ranged from 1.32 to 3.03 inches. All five Glendale sites had rainfall recorded on October 4, 10, 27, and 28.

Twenty winter storms with rainfall greater than 0.20 inches occurred during October. Of these twenty storms, eleven were too short, four were too long, three had greater than 0.70 inches of rain, and twelve occurred within 72 hours of one another. Due to established permit conditions, no samples were collected or analyzed for these events.

TABLE 1
SUMMARY OF STORM EVENTS
WITH RAINFALL > 0.20 INCHES BUT NOT SAMPLED
JANUARY 1, 2000 – DECEMBER 31, 2000*

SITE	DATE	RAIN (inches)	REASONS NOT SAMPLED
ARROW	3/5/00 – 3/7/00	1.89	RAIN > 0.70 INCH, DURATION TOO LONG
ARROW	8/30/00	0.35	72 HOUR RULE, DURATION TOO SHORT
ARROW	10/25 – 10/26/00	0.57	DURATION TOO LONG
ARROW	10/27 – 10/28/00	0.40	72 HOUR RULE, DURATION TOO LONG
BUTLER	3/5/00 – 3/7/00	2.29**	RAIN > 0.70 INCH, DURATION TOO LONG
BUTLER	8/10/00	0.21	DURATION TOO SHORT
BUTLER	10/10/00	0.66	DURATION TOO SHORT
BUTLER	10/21 – 10/22/00	0.45	72 HOUR RULE
BUTLER	10/25/00	0.61	72 HOUR RULE, DURATION TOO SHORT
BUTLER	10/27/00	0.51	72 HOUR RULE, DURATION TOO SHORT
BUTLER	10/27/00	0.27	72 HOUR RULE, DURATION TOO SHORT
CITRUS	3/5/00 – 3/7/00	2.13**	RAIN > 0.70 INCH, DURATION TOO LONG
CITRUS	8/10/00	0.34**	72 HOUR RULE, DURATION TOO SHORT
CITRUS	8/29/00	0.31	DURATION TOO SHORT
CITRUS	8/30/00	0.65	72 HOUR RULE, DURATION TOO SHORT
CITRUS	10/21 – 10/22/00	1.12	RAIN > 0.70 INCH, DURATION TOO LONG
CITRUS	10/25/00	0.58	72 HOUR RULE, DURATION TOO SHORT
CITRUS	10/27/00	0.63	72 HOUR RULE
IND PARK	3/5/00- 3/7/00	2.13***	RAIN > 0.70 INCH, DURATION TOO LONG
IND PARK	8/8/00	0.20	DURATION TOO SHORT
IND PARK	10/10/00	0.30	DURATION TOO SHORT
IND PARK	10/21 – 10/22/00	1.12	RAIN > 0.70 INCH, DURATION TOO LONG
IND PARK	10/25/00	0.34	72 HOUR RULE, DURATION TOO SHORT
IND PARK	10/27/00	0.94	72 HOUR RULE, RAIN > 0.70 INCH, DURATION TOO SHORT
OLIVE	3/5/00	0.30	DURATION TOO SHORT
OLIVE	3/5/00 – 3/7/00	2.18	72 HOUR RULE, RAIN > 0.70 INCH, DURATION TOO LONG
OLIVE	8/30/00	0.29	72 HOUR RULE, DURATION TOO SHORT
OLIVE	10/10/00	0.39	DURATION TOO SHORT
OLIVE	10/22/00	0.44	72 HOUR RULE
OLIVE	10/23 – 10/24/00	0.52	72 HOUR RULE
OLIVE	10/27/00	0.41	DURATION TOO SHORT
OLIVE	10/30/00	0.43	72 HOUR RULE

*There were no representative events during this period.

**Data from log sheets.

***Sampler failed during storm event; data averaged from proximal NPDES and ALERT gages.

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 900 MAX models, except at the Olive site which uses an ISCO Model 3700 sampler.

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

ARROW

Semi-annual maintenance was performed on January 11 and June 7, 2000. The semi-annual maintenance included calibration of both sample volume and the depth sensor (pressure transducer). All sample tubing was cleaned on January 11, March 9, June 7, August 30, September 1, October 7, October 22, and October 31. On February 21, it was noted that the raingage funnel was missing and the solar panels had been smashed. These components were replaced on February 22. The battery was replaced on March 16, April 12, August 2, August 15, September 1, and September 7. On April 4 and June 22, it was noted that the cell phone antenna was missing. Both times, the antenna was replaced the following day (April 11 and June 23). The solar panels were moved from the side of the station house to the top of the station house on April 11 to achieve better performance. The distributor arm was jammed on June 23, August 8, August 29, and October 22. The distributor arm was repaired and field-tested on August 14. The distributor arm was replaced on August 30 and November 2.

On July 25, representatives from FCD and the City of Glendale met on-site to discuss alternatives to eliminate ponded water from Skunk Creek mixing with runoff. Because of this mixing, it is no longer possible to collect representative samples (grab and composite) at the existing location. The existing location is the outfall of the 96" dia. reinforced concrete pipe (RCP). This problem had previously been identified, was confirmed by laboratory data, and the permit holder (City of Glendale) has been notified.

BUTLER

Semi-annual maintenance was performed on January 11 and June 7, 2000. The semi-annual maintenance included calibration of both sample volume and the depth sensor (pressure transducer). All sample tubing was cleaned on January 11, February 22, March 9, June 7, June 23, August 30, September 1, October 7, October 10, and October 22. The pump tubing was replaced on January 12.

In addition, a stainless steel cover, designed by FCD, was installed around the strainer to prevent clogging of the intake tubing. The tipping bucket was leveled on June 27. The phone was inoperable (no dial tone) on June 27, June 28, July 11, and July 18. Trouble-shooting was done on June 28 and July 11. Maricopa County Facilities Management was contacted to fix the phone. The phone was noted as working on September 5. In early September, the City of Glendale cleared the channel of debris and vegetation to restore unrestricted flow.

CITRUS

Semi-annual maintenance was performed on January 11 and June 6, 2000. The semi-annual maintenance included calibration of both sample volume and the depth sensor (pressure transducer). All sample tubing was cleaned on January 11, March 5, March 9, June 6, June 28, June 29, August 30, September 1, October 7, October 22, and October 31. The pipe was cleared of sediment and debris on March 14, August 2, and September 1. On July 18, it was noted that two solar panels had been smashed. The solar panels were replaced and a protective cover fabricated and installed the same day. Sediment was cleared from the RCP outfall on August 2 and September 1.

INDUSTRIAL PARK

Semi-annual maintenance was performed on January 11 and June 6, 2000. The semi-annual maintenance included calibration of both sample volume and the depth sensor (pressure transducer). All sample tubing was cleaned on January 11, June 6, October 7, October 22, and October 31. A small leak in the tubing at the inlet to the pump was located and fixed on January 11. On February 12 the plugged raingage funnel was cleared. The battery was replaced on March 14. A phone problem was noted on June 17 when a test did not activate the pager. The problem was identified and repaired on June 22 and 23. The phone lines had been cut at the junction box. Debris was cleared from the RCP outfall on September 1.

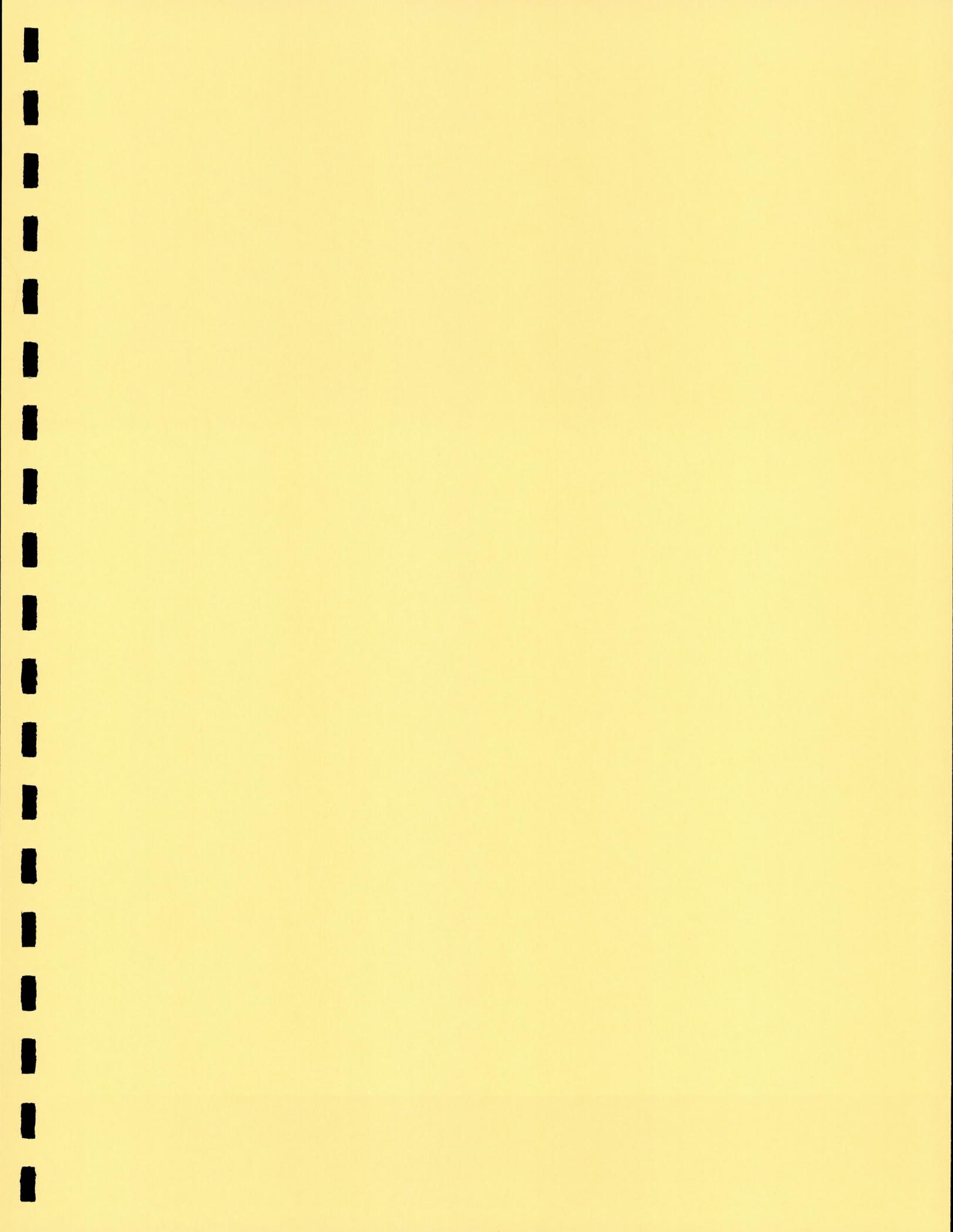
OLIVE

Semi-annual maintenance was performed on June 20. The semi-annual maintenance included calibration of both sample volume and the depth sensor (pressure transducer). The depth sensor was calibrated again on October 6, October 11, and November 8. All sample tubing was cleaned on March 9, June 20, August 11, October 6 and October 11. The nitrogen tank was replaced on March 15. Sand and debris were cleared from the intake area on October 30. Debris was cleared from the weir area on November 8. The contractor working in the area was placing mud in the weir area. USGS personnel requested that the contractor stop doing this in the future.

Data from Winter, Spring, and Summer 2000

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

- Rainfall data for five Glendale NPDES raingages.
- Rainfall data for four Glendale ALERT raingages.
- Copies of maintenance and storm event log sheets.



Gauge Rainfall												
Gage Number	ARROW											
Location	Skunk Creek near 79th Avenue											
	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									0.61			
6	1.11								1.04			
7									0.24			
8												
9												
10												
11												
12			0.12									
13												
14	0.08		0.82									
15	0.80											
16												
17												
18												
19		0.01	0.71									
20												
21								0.09				
22												0.13*
23			0.15									
24												0.04*
25												
26												
27												
28									0.03*			0.02*
29												
30												
31									0.05*			
Month Total	1.99	0.01	1.80	0.00	0.00	0.00	0.00	0.09	1.97	0.00	0.00	0.19

*Data from log sheets.

Gauge Rainfall												
Gage Number	ARROW											
Location	Skunk Creek near 79th Avenue											
	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				0.08	0.05*							
5		0.18*										
6					0.04**							
7												
8		0.05*										
9												
10		0.09*		0.11	0.04**							
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21				0.03*								
22				0.08*								
23												
24												
25				0.19								
26				0.39								
27				0.09								
28				0.35								
29		0.15										
30		0.35										
31	0.10*											
Month Total	0.10	0.82	0.00	1.32	0.13	0.00						

*Data from log sheets.
**Estimate (ALERT 5520).

Gauge Rainfall												
Gage Number	BUTLER											
Location	56th Drive and Orchid Lane											
	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												
6	0.04											
7									2.29**			
8												
9												
10		0.48										
11			0.17									
12			0.01									
13												
14			0.01									
15	0.54											
16												
17												
18												
19			0.41									
20												
21								0.10*				
22								0.10				
23			0.35									
24			0.06									
25												
26												
27												
28									0.06*			
29												
30												
31									0.02*			
Month Total	0.58	0.48	1.01	0.00	0.00	0.00	0.00	0.20	2.37	0.00	0.00	0.00

*Data from log sheets.

**Total rain for storm 3/5-3/7.

Gauge Rainfall												
Gage Number	BUTLER											
Location	56th Drive and Orchid Lane											
	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				0.09	0.03*							
5		0.01*										
6					0.04**							
7												
8		0.21*		0.03								
9												
10				0.66								
11												
12						0.04**						
13												
14												
15												
16												
17												
18												
19				0.05								
20												
21				0.19								
22				0.44								
23												
24												
25	0.01*		0.01*	0.61								
26												
27				0.78								
28				0.03								
29												
30	0.01*	0.18										
31												
Month Total	0.02	0.40	0.01	2.88	0.07	0.04						

*Data from log sheets.
**Estimate (ALERT 4785).

Gauge Rainfall												
Gage Number	CITRUS											
Location	Grovers at 71st Avenue											
	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												
6	1.09											
7									2.13**			
8												
9												
10		0.05										
11			0.22									
12												
13												
14	0.09		0.61									
15	0.62											
16												
17												
18												
19		0.03	0.63									
20												
21								0.13				
22												
23			0.14									0.17*
24												
25												
26												
27												
28									0.07*			0.10*
29												
30												
31									0.03*			
Month Total	1.80	0.08	1.60	0.00	0.00	0.00	0.00	0.13	2.23	0.00	0.00	0.27

*Data from log sheets.

**Total rain for storm 3/5-3/7.

Gauge Rainfall												
Gage Number	CITRUS											
Location	Grovers at 71st Avenue											
	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				0.11	0.09*							
5		0.07*										
6					0.04**							
7												
8		0.13*										
9												
10		0.34*		0.09								
11												
12												
13												
14												
15												
16												
17												
18				0.01								
19												
20												
21				0.19								
22		0.08		0.93								
23												
24												
25				0.58								
26												
27				0.63								
28												
29		0.31										
30		0.65										
31	0.09*											
Month Total	0.09	1.58	0.00	2.54	0.13	0.00						

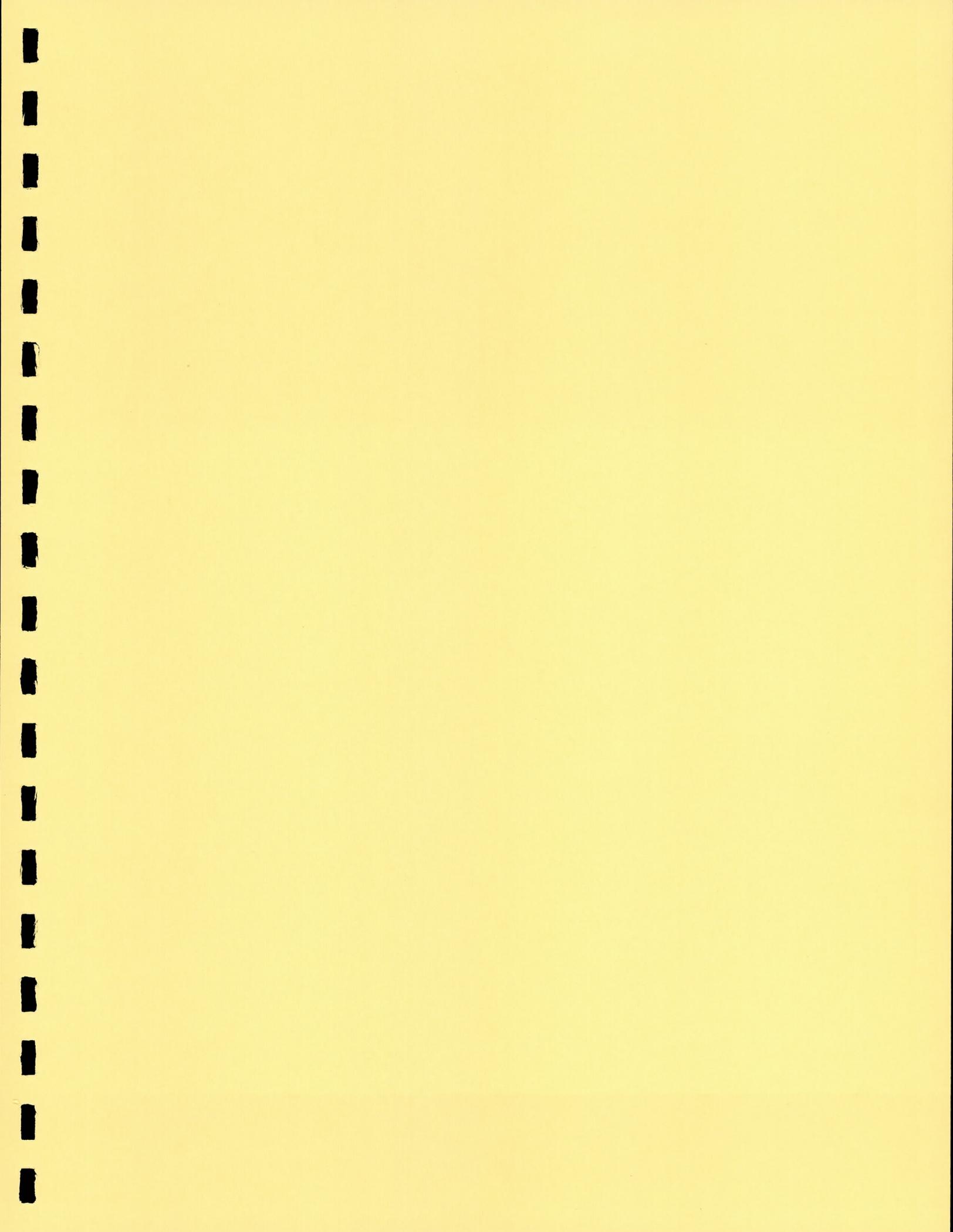
*Data from log sheets.
**Estimate (ALERT 5595).

Gauge Rainfall												
Gage Number	INDUSTRIAL PARK											
Location	New River north of Glendale Avenue											
	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		0.12*		0.07								
5												
6												
7												
8		0.20*										
9												
10				0.30								
11				0.11*								
12						0.04**						
13												
14												
15												
16												
17												
18				0.01								
19				0.02								
20												
21				0.30								
22				0.90								
23				0.01								
24												
25				0.34								
26												
27				0.94								
28				0.03								
29												
30												
31	0.06*											
Month Total	0.06	0.32	0.00	3.03	0.00	0.04						

*Data from log sheets.
**Estimate (ALERT 5505).

Gauge Rainfall													
Gage Number	OLIVE												
Location	Olive and 67th Avenue												
	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									0.90				
6	0.12								1.32				
7	0.10								0.26				
8													
9													
10		0.34											
11			0.44										
12													
13													
14	0.12		0.10										
15	0.80												
16													
17													
18													
19			0.62										
20													
21								0.09					
22													
23			0.17										
24													
25													
26													
27	0.03												
28									0.04				
29													
30													
31													
Month Total	1.17	0.34	1.33	0.00	0.00	0.00	0.00	0.09	2.52	0.00	0.00	0.00	

Gauge Rainfall												
Gage Number	OLIVE											
Location	Olive and 67th Avenue											
	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								
5												
6					0.03							
7		0.12										
8		0.03		0.07								
9												
10				0.39								
11												
12						0.04						
13												
14												
15												
16												
17												
18				0.02								
19												
20												
21				0.16								
22				0.44								
23				0.40								
24				0.12								
25												
26												
27				0.52								
28				0.10								
29		0.10										
30		0.29		0.43								
31												
Month Total	0.00	0.54	0.00	2.81	0.03	0.04						



Gauge Rainfall												
Gage Number	4785											
Location	Butler Park											
	July	August	September	October	November	December	January	February	March	April	May	June
	1999	1999	1999	1999	1999	1999	2000	2000	2000	2000	2000	2000
1												
2												
3												
4												
5									0.75			
6	0.04								1.30			
7	0.04								0.28			
8												
9												
10	0.08	0.43										
11			0.28									
12			0.04									
13												
14	0.04											
15	0.91											
16												
17												
18												
19			0.47									
20												
21								0.08				
22								0.04				
23			0.35									
24												
25												
26												
27		0.08										
28		0.04							0.04			
29												
30												
31												
Month Total	1.11	0.55	1.14	0.00	0.00	0.00	0.00	0.12	2.37	0.00	0.00	0.00

Gauge Rainfall													
Gage Number	4785												
Location	Butler Park												
		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					0.04	0.04							
5													
6						0.04							
7			0.12										
8													
9													
10					0.63								
11													
12							0.04						
13													
14													
15													
16													
17													
18													
19					0.04								
20													
21					0.16								
22					0.43								
23					0.39								
24					0.20								
25													
26													
27					0.75								
28					0.04								
29			0.08										
30					0.47								
31													
Month Total		0.00	0.20	0.00	3.15	0.08	0.04						

Gauge Rainfall												
Gage Number	5505											
Location	New River at Glendale Avenue											
	July	August	September	October	November	December	January	February	March	April	May	June
	1999	1999	1999	1999	1999	1999	2000	2000	2000	2000	2000	2000
1												
2												
3												
4												
5												
6												
7	0.20											
8												
9												
10	0.08	0.04										
11			0.04									
12												
13												
14												
15	0.31											
16												
17												
18		0.04										
19			0.12									
20												
21								0.04				
22												
23			0.04									
24												
25		0.04										
26												
27	0.08											
28												
29												
30												
31		0.04										
Month Total	0.67	0.16	0.20	0.00	0.00	0.00	0.00	0.04	gage down 2/28 - 4/4/00	0.00	0.00	0.00

Gauge Rainfall													
Gage Number		5505											
Location		New River at Glendale Avenue											
		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													
5													
6													
7													
8			0.08										
9													
10					0.20								
11													
12							0.04						
13													
14													
15													
16													
17													
18													
19					0.04								
20													
21					0.20								
22					0.31								
23					0.20								
24					0.16								
25													
26					0.04								
27					0.51								
28					0.08								
29													
30		0.04			0.31								
31													
Month Total		0.04	0.08	0.00	2.05	0.00	0.04						

Gauge Rainfall												
Gage Number	5520											
Location	ACDC at 67th Avenue											
	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									0.79			
6	0.75								1.14			
7	0.16								0.28			
8												
9												
10												
11			0.04									
12			0.04									
13												
14			0.35									
15	0.43											
16												
17												
18		0.16										
19		0.04	0.43									
20												
21								0.04				
22												0.04
23			0.31									
24												0.04
25												
26												
27	0.08											
28									0.04			
29												
30												
31												
Month Total	1.42	0.20	1.17	0.00	0.00	0.00	0.00	0.04	2.25	0.00	0.00	0.08

Gauge Rainfall													
Gage Number	5520												
Location	ACDC at 67th Avenue												
		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					0.08	0.04							
5			0.04										
6						0.04							
7													
8			0.16										
9													
10					0.28	0.04							
11													
12													
13													
14													
15													
16													
17													
18													
19					0.04								
20													
21					0.16								
22					0.31								
23					0.51								
24					0.20								
25													
26													
27					0.71								
28					0.04								
29			0.16										
30			0.16		0.87								
31		0.04			0.04								
Month Total		0.04	0.52	0.00	3.24	0.12	0.00						

Gauge Rainfall												
Gage Number	5595											
Location	New River at Bell Road											
	July	August	September	October	November	December	January	February	March	April	May	June
	1999	1999	1999	1999	1999	1999	2000	2000	2000	2000	2000	2000
1												
2												
3												
4												
5									0.67			
6	0.71								0.98			
7	0.20								0.20			
8												
9												
10	0.16											
11	0.04		0.08									
12			0.04									
13												
14	0.12		0.51									
15	0.55											
16												
17												
18												
19			0.63									
20												
21								0.04				
22								0.08				0.04
23			0.28									
24												
25												
26												
27	0.04											
28												
29												
30												
31												
Month Total	1.82	0.00	1.54	0.00	0.00	0.00	0.00	0.12	1.85	0.00	0.00	0.04

Gauge Rainfall												
Gage Number	5595											
Location	New River at Bell Road											
	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				0.04	0.04							
5		0.08										
6					0.04							
7												
8		0.04										
9												
10				0.08								
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21				0.24								
22				1.10								
23				0.24								
24				0.20								
25												
26												
27				0.63								
28												
29		0.12										
30		0.28		0.71								
31	0.04											
Month Total	0.04	0.52	0.00	3.24	0.08	0.00						

ARROW **Skunk Creek at 79th Avenue alignment**

STORM EVENT LOG SHEET

1. Site: ARROW

Your Name: Sutton

2. Date: 11-6-00

Time: 1117_A

SAMPLER PARAMETERS

3. Rainfall: .05 in

4. Flow: .14 cfs

5. Level: 4.010 in

6. Velocity: .20 ft/sec

O&M PARAMETERS

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

Not enough rainfall to activate sampler

8. Battery voltage: 12.4 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?**

002 413 - 1054 - Cell phone #

STORMWATER O&M LOG SHEET

3 Pagers entered
 602 591-6000 -1) 2328
 2) 190706
 3) 190791
 Pager #'s provided
 Driver
 Bohn

SITE	Arrow		DATE	11/2/00	
ARRIVAL TIME	1:50pm	DEPARTURE TIME	2:30pm	SERVICED BY	CFK/TCW
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900 other

EQUIPMENT CHECKED	YES NO	COMMENTS
BATTERY VOLTAGE <input checked="" type="checkbox"/> OK	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	13.5V volts
SOLAR PANEL CLEAN	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	- left as is
CABLES AND CONNECTIONS GOOD	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CELLULAR ANTENNA	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
PHONE TONE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	- wasn't plugged in - battery Cell Phone dead - reading 13V tightened case
RAINGAGE (screen, funnel, tipping bucket)	<input type="checkbox"/> YES <input type="checkbox"/> NO	
SAMPLE TUBING (intake, pump, <input checked="" type="checkbox"/> distributor)	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Replaced distributor arm
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CALIBRATED DEPTH SENSOR	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	depth (in)
CALIBRATED SAMPLE VOLUME	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	Removed distributor arm & replaced
2	
3	

Seem to be working now
 must work
 to
 repair above station

EQUIPMENT CLEANING CHECKLIST

Site **ARROW**

Date **10-31-00** Time **2100**

Serviced By: **Tom Siegfried**

N/A

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.

EQUIPMENT CLEANING CHECKLIST

Site **ARROW** Battery 12.9v

Date **10-28-00** Time **1545**

Serviced By: **Sutton**

Oct 25-28 Rainfall - 1.02", Level - 15.271", Flow - 1.02 cfs

YES

Data Downloaded to DTU?

Cell # 16 DTU # 1 HWT for 72 HRS until 6pm 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.

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.

No DEIONIZED H₂O to DECON
Sampler D.DNT Sample during event

STORM EVENT LOG SHEET

1. Site: ARROW

Your Name: Siegfried

2. Date: 10-22-00

Time: 11:43

SAMPLER PARAMETERS

3. Rainfall: -08 in

4. Flow: 1-12 cfs

5. Level: 16-140 in

6. Velocity: -20 ft/sec

O&M PARAMETERS

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

8. Battery voltage: 13.7 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 **ARROW**

Date **10-22-00** Time **11:43**

Serviced By: **Siegfried**

DEC 12

yes
* 1

Data Downloaded to DTU?

Program Restarted Before Data Downloaded (info lost)

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: ARROW

Your Name: Siegfried - Sutton

2. Date: 10-21-00

Time: 1900

SAMPLER PARAMETERS

3. Rainfall: -03 in

1742
START

4. Flow: 3.34 cfs

5. Level: 6.187 in

6. Velocity: 2.39 ft/sec

O&M PARAMETERS

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

8. Battery voltage: 132 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 3.34 cfs

11. pH 9.9 su

12. Temperature 21° 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>Arrowhead</i>		DATE	<i>10/16/00</i>	
ARRIVAL TIME	<i>1218</i>	DEPARTURE TIME	<i>1228</i>	SERVICED BY	<i>PCW</i>
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	<input type="radio"/> 800	<input checked="" type="radio"/> 900
other					

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>14.4</i> volt
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CELLULAR ANTENNA	<input checked="" type="radio"/> YES <input type="radio"/> NO	
PHONE TONE	YES <input type="radio"/> NO	
RAINGAGE (screen, funnel, tipping bucket)	YES <input type="radio"/> NO	
SAMPLE TUBING (intake, pump, distributor)	YES <input type="radio"/> NO	
CLEANED SAMPLE TUBING (tap, Iquinox, 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

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

- 1 *check site, Battery 14.4 run pump bring voltage down to 13.5*
- 2 *leave program running*
- 3

EQUIPMENT CLEANING CHECKLIST

Site *ARRowhead*

Date *10/11/00* Time *1230*

Serviced By:

Data Downloaded to DTU?

Cell # 10 *Restart program* *rain O.K.*

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: Arrowhead

Your Name: Ben

2. Date: 10/10/00

Time: 808

SAMPLER PARAMETERS

3. Rainfall: 0.08 in *No samples taken*

4. Flow: _____ cfs *Sampler working on*

5. Level: _____ in *rain & flow*

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?**

STORM EVENT LOG SHEET

1. Site: ARROW

Your Name: JRC/JHS

2. Date: 10/8/00

Time: 2045

SAMPLER PARAMETERS

3. Rainfall: 0.00 in

4. Flow: _____ cfs

5. Level: _____ in

6. Velocity: _____ ft/sec

Reprogrammed for winter.
Checked program.
Restarted.

Checked manhole in
center of Paradise Lane.
Length of PVC pipe
required for grabs = 3+.

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 **ARROW** 13.2 volts

Date **10-7-00** Time **6:30 A**

Serviced By: **Sutton**



Data Downloaded to DTU?

Cell #1 DTU #1

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	AARockhead		DATE	10/2/00	
ARRIVAL TIME	1150	DEPARTURE TIME	1205		SERVICED BY
SAMPLER		<input checked="" type="radio"/> SIGMA OR <input type="radio"/> ISCO		MODEL NUMBER	<input checked="" type="radio"/> 800 <input checked="" type="radio"/> 900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	14.0 lower to 13.5 volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CELLULAR ANTENNA	<input checked="" type="radio"/> YES <input type="radio"/> NO	
PHONE TONE	<input checked="" type="radio"/> YES <input type="radio"/> NO	
RAINGAGE (screen, funnel, tipping bucket)	<input type="radio"/> YES <input type="radio"/> NO	
SAMPLE TUBING (intake, pump, distributor)	<input type="radio"/> YES <input type="radio"/> NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	<input type="radio"/> YES <input type="radio"/> NO	
CALIBRATED DEPTH SENSOR	<input type="radio"/> YES <input type="radio"/> NO	depth (in)
CALIBRATED SAMPLE VOLUME	<input type="radio"/> YES <input type="radio"/> 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>Arrowhead</i>		DATE	<i>9/26/00</i>	
ARRIVAL TIME	<i>1100</i>	DEPARTURE TIME	<i>1110</i>	SERVICED BY	<i>Reese</i>
SAMPLER	<input checked="" type="radio"/> SIGMA OR <input type="radio"/> ISCO		MODEL NUMBER	<input type="radio"/> 800 <input checked="" type="radio"/> 900	other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>14.0</i> volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CELLULAR ANTENNA	<input checked="" type="radio"/> YES <input type="radio"/> NO	
PHONE TONE	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)	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

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

1 *Program Started 9/7/00*

2

3

FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Amoghead</i>		DATE	<i>9/19/00</i>	
ARRIVAL TIME	<i>1145</i>	DEPARTURE TIME	<i>1155</i>		SERVICED BY
SAMPLER		<input checked="" type="radio"/> SIGMA OR <input type="radio"/> ISCO	MODEL NUMBER	<input type="radio"/> 800	<input checked="" type="radio"/> 900 <input type="radio"/> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>13.9</i> volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CELLULAR ANTENNA	<input checked="" type="radio"/> YES <input type="radio"/> NO	
PHONE TONE	<input checked="" type="radio"/> YES <input type="radio"/> NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	<i>change 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>check time, good. ReStart program.</i>
2	<i>No Bugs!</i>
3	

FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Arrowhead</i>		DATE	<i>9/13/00</i>	
ARRIVAL TIME	<i>830</i>	DEPARTURE TIME	<i>840</i>	SERVICED BY	<i>(Signature)</i>
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	<i>800</i>	<i>900</i>
				<i>other</i>	

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	<i>13.5</i> 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>put down Diatomaceous earth for bug control</i>
2
3

FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>AMocheal</i>		DATE	<i>9/11/00</i>	
ARRIVAL TIME	<i>1125</i>	DEPARTURE TIME	<i>1140</i>	SERVICED BY	<i>(Signature)</i>
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	<input type="radio"/> 800	<input checked="" type="radio"/> 900
			<input type="radio"/> other		

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	<i>13.9</i> <i>14.0</i> volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	<input checked="" type="radio"/> 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>Program start 9/7/00 no rain left running</i>
2	
3	

FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Millcreek</i>		DATE	<i>07/07/00</i>	
ARRIVAL TIME	<i>800</i>	DEPARTURE TIME	<i>820</i>	SERVICED BY	
SAMPLER		SIGMA OR ISCO		MODEL NUMBER	<i>800</i> <i>900</i> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<i>change batteries, check solar panel volts</i>
SOLAR PANEL CLEAN	<input type="checkbox"/> YES <input type="checkbox"/> NO	
CABLES AND CONNECTIONS GOOD	<input type="checkbox"/> YES <input type="checkbox"/> NO	
CELLULAR ANTENNA	<input type="checkbox"/> YES <input type="checkbox"/> NO	
PHONE TONE	<input type="checkbox"/> YES <input type="checkbox"/> NO	
RAINGAGE (screen, funnel, tipping bucket)	<input type="checkbox"/> YES <input type="checkbox"/> NO	
SAMPLE TUBING (intake, pump, distributor)	<input type="checkbox"/> YES <input type="checkbox"/> NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	<input type="checkbox"/> YES <input type="checkbox"/> NO	
CALIBRATED DEPTH SENSOR	<input type="checkbox"/> YES <input type="checkbox"/> NO	depth (in)
CALIBRATED SAMPLE VOLUME	<input type="checkbox"/> YES <input type="checkbox"/> 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	9 N Rockhead		DATE	09/05/00	
ARRIVAL TIME	100	DEPARTURE TIME	110	SERVICED BY	(Signature)
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	11.6 need to replace volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	<input checked="" type="radio"/> YES NO	
PHONE TONE	YES NO	Temp Disconnect cell phone due to battery
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 Batteries reading 11.6 Disconnect cell phone until Batteries

2 are replaced.

3 (Signature)

EQUIPMENT CLEANING CHECKLIST

Site **ARROW**

Date **9-1-00** Time **11:59am**

Serviced By: **DENNIS STRAHM**

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.

*REPLACE BASE WITH CLEAN BOTTLES
REPLACE BOTH BATTERIES 12.7V
RESTART SAMPLER (KILLED 2 SCORPIONS)*

NO PHONETON

FCD/USGS STORMWATER O&M LOG SHEET

SITE	Arrow		DATE	8/3/00	
ARRIVAL TIME	1300	DEPARTURE TIME	1315	SERVICED BY	JDe/RWN
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	<u>900</u> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES <u>NO</u>	11.8 Need to replace 9/1/00 volts
SOLAR PANEL CLEAN	<u>YES</u> NO	
CABLES AND CONNECTIONS GOOD	<u>YES</u> NO	
CELLULAR ANTENNA	<u>YES</u> NO	
PHONE TONE	YES <u>NO</u>	
RAINGAGE (screen, funnel, tipping bucket)	YES <u>NO</u>	
SAMPLE TUBING (intake, pump, distributor)	<u>YES</u> NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES <u>NO</u>	
CALIBRATED DEPTH SENSOR	YES <u>NO</u>	depth (in)
CALIBRATED SAMPLE VOLUME	YES <u>NO</u>	ml

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

1 ~~Pass~~ 8 bottles + base full. No composite submitted.

2 Distributor test passed.

3

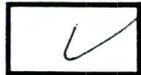
EQUIPMENT CLEANING CHECKLIST

Site **Arrowhead**

Date **8/31/00** Time **1 pm**

Serviced By:

Coef #3 H 3516



Data Downloaded to DTU?

*Base + bottles in for cleaning Rain35
Flow = 28*

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. *Battery 11.9*

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.

Replace Batteries

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	Arrow		DATE	8-30-2000	
ARRIVAL TIME	5:30 _p	DEPARTURE TIME	SERVICED BY		AJO/AB/JRC
SAMPLER	<input checked="" type="radio"/> SIGMA OR <input type="radio"/> ISCO		MODEL NUMBER	800	<input checked="" type="radio"/> 900 other

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

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	Nards CLEANING And ARM Repair.
2	
3	

STORM EVENT LOG SHEET

1. Site: Arrow

Your Name: Arnold

2. Date: 8-30-2000

Time: 5:30 pm

SAMPLER PARAMETERS

3. Rainfall: .34 in

4. Flow: 4.20 cfs

5. Level: 11.904 in

6. Velocity: 1.17 ft/sec

O&M PARAMETERS

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

8. Battery voltage: 11.8 volts

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

FIELD PARAMETERS

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

11. pH 9.3 su

12. Temperature 25.c 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>Arroyo de San Juan</i>		DATE	<i>8/30/00</i>	
ARRIVAL TIME	<i>1010</i>	DEPARTURE TIME	SERVICED BY		<i>PCW</i>
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	<input type="radio"/> 800	<input checked="" type="radio"/> 900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>12.3</i> volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CELLULAR ANTENNA	<input checked="" type="radio"/> YES <input type="radio"/> 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 *Remove Dist arm, gears slipping. Install another*

2 *and send in for repair.*

3

EQUIPMENT CLEANING CHECKLIST

Site *Arrowhead*

Date *8/20/00* Time *1010*

Serviced By: *(Signature)* *(Signature)*

cell #3

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.

Flush Lines, clean bottles, change Dist arm, Re Start.

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: ARROW-G

Your Name: BOB NAUD JR (DPS)

2. Date: 8-29-00

Time: 0830

SAMPLER PARAMETERS

3. Rainfall: 0.21 in

4. Flow: 12.22 cfs

5. Level: 15.607 in

6. Velocity: 2.15 ft/sec

O&M PARAMETERS

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

1345 Return. Dist arm malfunction, water in base, will return and install different arm. Send in broken one for repair. Grease gre slippings yet it still passed self test. Program complete.

8. Battery voltage: 12.1 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 12.22 cfs

11. pH 7.7 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>Arrowhead</i>			DATE	<i>08/28/00</i>		
ARRIVAL TIME	<i>855</i>	DEPARTURE TIME	<i>910</i>	SERVICED BY	<i>Rear</i>		
SAMPLER	<i>SIGMA OR ISCO</i>			MODEL NUMBER	800	<i>900</i>	other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	<i>12.4</i> volts
SOLAR PANEL CLEAN	<input checked="" type="checkbox"/> YES NO	<i>clean.</i>
CABLES AND CONNECTIONS GOOD	<input checked="" type="checkbox"/> YES NO	
CELLULAR ANTENNA	<input checked="" type="checkbox"/> 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 recorded 0.07 PFS 0.20</i>
2	
3	

STORMWATER O&M LOG SHEET

SITE	ARROW		DATE	8.21.00	
ARRIVAL TIME	16:00	DEPARTURE TIME	1635	SERVICED BY	JRC & DPS
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	<u>900</u> , other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	SOLAR PANEL OUTPUT 16.9V 13.3 volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	OK
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CELLULAR ANTENNA	<input checked="" type="radio"/> YES <input type="radio"/> NO	
PHONE TONE	<input checked="" type="radio"/> YES <input type="radio"/> NO	
RAINGAGE (screen, funnel, tipping bucket)	<input type="radio"/> YES <input type="radio"/> NO	
SAMPLE TUBING (intake, pump, distributor)	<input checked="" type="radio"/> YES <input type="radio"/> NO	No visible cracks or holes
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CALIBRATED DEPTH SENSOR	<input checked="" type="radio"/> YES <input type="radio"/> NO	depth (in)
CALIBRATED SAMPLE VOLUME	<input checked="" type="radio"/> YES <input type="radio"/> NO	ml

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

1	PONDED WATER BELOW 96" Ø OUTFALL
2	(APPROX 400 sq ft area)
3	NO RAINFALL SINCE LAST DOWNLOAD. DOWNLOADED DATA TO CELL # RAIN = 0.00 in

4. Restarted sampler

FCD/USGS STORMWATER O&M LOG SHEET

SITE	Annohead		DATE	8/17/00		
ARRIVAL TIME	945	DEPARTURE TIME	1005		SERVICED BY	(Perry)
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	800	<input checked="" type="radio"/> 900	other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	13.4 volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	clean, solar test, 18.5
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CELLULAR ANTENNA	<input type="radio"/> YES <input type="radio"/> NO	
PHONE TONE	<input type="radio"/> YES <input type="radio"/> NO	
RAINGAGE (screen, funnel, tipping bucket)	<input type="radio"/> YES <input type="radio"/> NO	
SAMPLE TUBING (intake, pump, distributor)	<input type="radio"/> YES <input type="radio"/> NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	<input type="radio"/> YES <input type="radio"/> NO	
CALIBRATED DEPTH SENSOR	<input type="radio"/> YES <input type="radio"/> NO	depth (in)
CALIBRATED SAMPLE VOLUME	<input type="radio"/> YES <input type="radio"/> NO	ml

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

1	check solar voltage output. Good 18.5. Battery low 14.5
2	visit due to DIST jamming. Station okay.
3	

FCD/USGS STORMWATER O&M LOG SHEET

SITE	Annachead		DATE	8/15/00	
ARRIVAL TIME	0710	DEPARTURE TIME	730	SERVICED BY	
SAMPLER		SIGMA OR ISCO		MODEL NUMBER	800 900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	change batteries 13.4 volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	wash both,
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CELLULAR ANTENNA	<input checked="" type="radio"/> YES <input type="radio"/> NO	
PHONE TONE	<input checked="" type="radio"/> YES <input type="radio"/> NO	
RAINGAGE (screen, funnel, tipping bucket)	<input type="radio"/> YES <input type="radio"/> NO	
SAMPLE TUBING (intake, pump, distributor)	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	<input type="radio"/> YES <input type="radio"/> NO	
CALIBRATED DEPTH SENSOR	<input type="radio"/> YES <input type="radio"/> NO	depth (in)
CALIBRATED SAMPLE VOLUME	<input type="radio"/> YES <input type="radio"/> NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	Test Sampler Dist arm. Passed test
2	
3	

FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Arrowhead</i>		DATE	<i>8/14/00</i>	
ARRIVAL TIME	<i>1000</i>	DEPARTURE TIME	<i>1045</i>	SERVICED BY	<i>Allen</i>
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	800 <input checked="" type="radio"/> 900	other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>needs replacing</i> volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>need too!</i>
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CELLULAR ANTENNA	<input checked="" type="radio"/> YES <input type="radio"/> NO	
PHONE TONE	YES <input type="radio"/> NO	<i>Temp Disconnect</i>
RAINGAGE (screen, funnel, tipping bucket)	YES <input type="radio"/> NO	
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

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.
1 work on Dist arm. adjust Hose, and test passed.
2 will return with fresh battery 8/15/00. Temp disconnected
3 phone due to low voltage. From testing

STORM EVENT LOG SHEET

1. Site: Arrowhead

Your Name: Alan

2. Date: 08/12/00

Time: 8:10

SAMPLER PARAMETERS

3. Rainfall: 0.42 in

4. Flow: 0.14 cfs

5. Level: 4.010 in

6. Velocity: 0.20 ft/sec

check data, sampler
not operating correctly.
No start, DIST may be
stripped. will check
and fix 8/14/00

O&M PARAMETERS

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

8. Battery voltage: 12.7 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?**

FCD/USGS STORMWATER O&M LOG SHEET

SITE	Ansted		DATE	8/8/00	
ARRIVAL TIME	9:00	DEPARTURE TIME	9:20	SERVICED BY	<input checked="" type="checkbox"/> <u>None</u> <input checked="" type="checkbox"/> <u>DPB</u>
SAMPLER	<input checked="" type="checkbox"/> SIGMA OR ISCO		MODEL NUMBER	800	<input checked="" type="checkbox"/> 900 <input type="checkbox"/> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	12.2 volts
SOLAR PANEL CLEAN	<input checked="" type="checkbox"/> YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="checkbox"/> YES NO	
CELLULAR ANTENNA	<input checked="" type="checkbox"/> 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 Return clean bottles, DIST Tamed, left until data can
- 2 be copied. Everything ready after data copied to
- 3 go. Fix DIST after data copied.

perform and flush lines, clear. ready after data copied

STORM EVENT LOG SHEET

1. Site: ARROW Your Name: JRC/ARB/AJO
2. Date: 8/8/00 Time: 0011

SAMPLER PARAMETERS

3. Rainfall: 0.33 in cumulative
4. Flow: 0.6 cfs
5. Level: _____ in
6. Velocity: _____ ft/sec

O&M PARAMETERS

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

8. Battery voltage: 12.2 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	ANMOA head			DATE	8/5/00		
ARRIVAL TIME	1945	DEPARTURE TIME	2000	SERVICED BY	P. Allen		
SAMPLER	SIGMA OR ISCO			MODEL NUMBER	800	900	other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	13.0 volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	<u>YES</u> 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	check sites, Rain 0.25 Sampler Full, rain data dated
2	7/14/00 left along.
3	

FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Overhead</i>		DATE	<i>8/2/00</i>	
ARRIVAL TIME	<i>755</i>	DEPARTURE TIME	<i>805</i>	SERVICED BY	
SAMPLER		<input checked="" type="radio"/> SIGMA OR ISCO	MODEL NUMBER	<i>800</i>	<input checked="" type="radio"/> 900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>(change next run) 11.5</i> volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>cleaned</i>
CABLES AND CONNECTIONS GOOD	YES <input type="radio"/> NO	
CELLULAR ANTENNA	<input checked="" type="radio"/> YES <input type="radio"/> NO	
PHONE TONE	YES <input type="radio"/> NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="radio"/> YES <input type="radio"/> NO	
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

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>8/2/00 1030 Return and change out Batteries.</i>
2	<i>Now Reading 13.2</i>
3	

STORM EVENT LOG SHEET

1. Site: ARROW

Your Name: JRC/DS

2. Date: 7/31/00

Time: 1900

SAMPLER PARAMETERS

3. Rainfall: 0.1 in

4. Flow: 0.14 cfs

5. Level: 4.01 in

6. Velocity: — ft/sec

O&M PARAMETERS

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

8. Battery voltage: 12.6 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>Amochard</i>		DATE	<i>7/25/00</i>	
ARRIVAL TIME	<i>0730</i>	DEPARTURE TIME	<i>0825</i>	SERVICED BY	<i>Reed</i>
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	800	<input checked="" type="radio"/> 900
					other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>12.9</i> <i>13.0</i> volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> 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)	YES <input type="radio"/> NO	
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

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>met with city FCD on man hole.</i>
2	
3	

FCD/USGS STORMWATER O&M LOG SHEET

SITE	Annois level		DATE	7/18/00	
ARRIVAL TIME	925	DEPARTURE TIME	935	SERVICED BY	Puse
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	13.0 volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
PHONE TONE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Datten / 12.7 okay
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
2
3

FCD/USGS STORMWATER O&M LOG SHEET

SITE	ARROW		DATE	7/14/00	
ARRIVAL TIME	0730	DEPARTURE TIME	0900	SERVICED BY	JRC
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	800	<input checked="" 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	<input checked="" type="radio"/> YES NO	present
PHONE TONE	YES NO	
RAINGAGE (screen, <input checked="" type="radio"/> funnel, tipping bucket)	<input checked="" type="radio"/> YES NO	present
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 red scorpion under sampler.
2 large black rats below outfall in the grass
3 WFR & JRC measured dimensions for plan preparation for ARROW site improvements.
4. Restarted.

FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Arrowhead</i>		DATE	<i>7/11/00</i>	
ARRIVAL TIME	<i>840</i>	DEPARTURE TIME	<i>900</i>	SERVICED BY	<i>Reem</i>
SAMPLER	<input checked="" type="radio"/> SIGMA <input type="radio"/> OR <input type="radio"/> ISCO		MODEL NUMBER	<input type="radio"/> 800 <input checked="" type="radio"/> 900 <input type="radio"/> other	

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>change cell phone battery</i> <i>Sampler cell phone</i> <i>13.3</i> <i>13.0</i> volts
SOLAR PANEL CLEAN	<input type="radio"/> YES <input type="radio"/> NO	
CABLES AND CONNECTIONS GOOD	<input type="radio"/> YES <input type="radio"/> NO	
CELLULAR ANTENNA	<input checked="" type="radio"/> YES <input type="radio"/> NO	
PHONE TONE	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>Good, confirm call office</i>
RAINGAGE (screen, funnel, tipping bucket)	<input type="radio"/> YES <input type="radio"/> NO	
SAMPLE TUBING (intake, pump, distributor)	<input type="radio"/> YES <input type="radio"/> NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	<input type="radio"/> YES <input type="radio"/> NO	
CALIBRATED DEPTH SENSOR	<input type="radio"/> YES <input type="radio"/> NO	depth (in)
CALIBRATED SAMPLE VOLUME	<input type="radio"/> 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>arrowhead</i>		DATE	<i>7/6/00</i>	
ARRIVAL TIME	<i>800</i>	DEPARTURE TIME	<i>810</i>	SERVICED BY	<i>[Signature]</i>
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	800	<input checked="" type="radio"/> 900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>13.1</i> 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
2
3

STORM EVENT LOG SHEET

1. Site: ARROW

Your Name: Tom Siegfried

2. Date: 6-30-00

Time: 1900

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.

8. Battery voltage: 13.0 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?**

Restarted sampler.

STORM EVENT LOG SHEET

no rain 0.00 in.
Battery 13.2 V
Restarted.

SITE:	ARROW
-------	-------

DATE:	6/29	TIME:	2230
-------	------	-------	------

DID EQUIPMENT OPERATE PROPERLY DURING EVENT: YES NO

IF NO, WHAT WERE PROBLEM(S):

FIELD PARAMETERS:

Discharge at time of Grabs		cfs
----------------------------	--	-----

Effluent pH		S.U.
-------------	--	------

Effluent Temperature		°C
----------------------	--	----

GRAB SAMPLES:

Take grab samples from discharge only!

Grab Samples Taken?

YES NO

Preservatives added to bottles?

YES NO

STORM EVENT LOG SHEET

1. Site: Arrowhead

Your Name: Ray

2. Date: 6/28/00

Time: _____

SAMPLER PARAMETERS

3. Rainfall: 0.02 in

4. Flow: 14 cfs

5. Level: 4.010 in

6. Velocity: 20 ft/sec

O&M PARAMETERS

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

Record rain.

8. Battery voltage: 13.0 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>Arrowhead</i>			DATE	<i>6/29/00</i>		
ARRIVAL TIME	<i>930</i>	DEPARTURE TIME	<i>940</i>	SERVICED BY	<i>Peak</i>		
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO			MODEL NUMBER	800	<input checked="" type="radio"/> 900	other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>cell 13.7</i> <i>Sampler 13.0</i> volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CABLES AND CONNECTIONS GOOD	<input type="radio"/> YES <input type="radio"/> NO	
CELLULAR ANTENNA	<input type="radio"/> YES <input type="radio"/> NO	
PHONE TONE	<input type="radio"/> YES <input type="radio"/> NO	
RAINGAGE (screen, funnel, tipping bucket)	<input type="radio"/> YES <input type="radio"/> NO	
SAMPLE TUBING (intake, pump, distributor)	<input type="radio"/> YES <input type="radio"/> NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	<input type="radio"/> YES <input type="radio"/> NO	
CALIBRATED DEPTH SENSOR	<input type="radio"/> YES <input type="radio"/> NO	depth (in)
CALIBRATED SAMPLE VOLUME	<input type="radio"/> YES <input type="radio"/> NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>check site, no change Rain 0.02</i>
2	
3	

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

STATION	ARROW		DATE	6/28/00	
WELL ID	1000	WELL DEPTH	1015	OPERATOR	
WELL TYPE		900		RWH/JRC	
WELL STATUS		-		-	

	OPERATOR	WELL ID	WELL DEPTH	WELL TYPE	WELL STATUS	NOTES
BATTERY VOLTAGE	<input checked="" type="radio"/> YES <input type="radio"/> NO	GOOD FAIR POOR	<input type="radio"/> YES <input checked="" type="radio"/> NO	<input type="radio"/> YES <input checked="" type="radio"/> NO		13.3 volts
SOLAR PANEL	<input checked="" type="radio"/> YES <input type="radio"/> NO N/A	GOOD FAIR POOR	<input type="radio"/> YES <input checked="" type="radio"/> NO	<input type="radio"/> YES <input checked="" type="radio"/> NO		
Cables / Connections	<input checked="" type="radio"/> YES <input type="radio"/> NO	GOOD FAIR POOR	<input type="radio"/> YES <input checked="" type="radio"/> NO	<input type="radio"/> YES <input checked="" type="radio"/> NO		
Raingage / Funnel / Screen	<input type="radio"/> YES <input checked="" type="radio"/> NO	GOOD FAIR POOR	<input type="radio"/> YES <input type="radio"/> NO	<input type="radio"/> YES <input type="radio"/> NO		
SAMPLER DISTRIBUTOR TUBING	<input type="radio"/> YES <input checked="" type="radio"/> NO	GOOD FAIR POOR	<input type="radio"/> YES <input type="radio"/> NO	<input type="radio"/> YES <input type="radio"/> NO		
CLEANED SAMPLE INTAKE TUBING	<input type="radio"/> YES <input checked="" type="radio"/> NO	GOOD FAIR POOR	N/A	N/A		
CALIBRATE SAMPLE VOLUME	<input type="radio"/> YES <input checked="" type="radio"/> NO	GOOD FAIR POOR	N/A	N/A		mL

NOTES / ACTIONS TURNED CELL PHONE POWER ON.

CALLED 602 809 0277. STILL HAS ALLTEL

RECORDING. CONTACTED FAC MGMT → FIXED 6/28/00

FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Amoohead</i>			DATE	<i>6/28/00</i>		
ARRIVAL TIME		DEPARTURE TIME		SERVICED BY	<i>Neu</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	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 sampler, 0.02 rain, no sample no flow</i>
2	<i>1030 pm</i>
3	<i>Neu</i>

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	ARROW		DATE	6/27/00	
ARRIVAL TIME	1350	DEPARTURE TIME	1400	SERVICED BY DWIN/JRC	
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	<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	13.5 volts
SOLAR PANEL	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO N/A	<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	
Cables / Connections	<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 / Funnel / Screen	<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	
CLEANED SAMPLE INTAKE TUBING	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

NOTES / ACTIONS cell phone batt 12.9V

0.04 in each

restarted

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Annoy head		DATE	6/23/00
ARRIVAL TIME	910	DEPARTURE TIME	920	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 Unable to fix cell phone antenna at this time.
need to redo whole antenna set up. will return. Clean Funnel
Rain 0.13 reading. Run Dist Test! Passed *(Signature)*
Return at 1210. found sampler sampled 5 bottles full. dist jammed
fluid in base. Clean, base, bottles and flush lines. Fix still cell
phone antenna. *(Signature)*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	ARROW		DATE	06/22/00	
ARRIVAL TIME	0935	DEPARTURE TIME	1000	SERVICED BY	CFK/RWH/JRC
SAMPLER MODEL NUMBER		900 MAX		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	volts
SOLAR PANEL	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO N/A	<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	
CONNECTION CABLES	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAGE <i>Screen missing</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	GOOD <input checked="" type="checkbox"/> FAIR POOR	YES <input checked="" type="checkbox"/> NO	YES <input checked="" type="checkbox"/> NO	
SAMPLE INTAKE TUBING	YES <input type="checkbox"/> NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES <input type="checkbox"/> NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES <input type="checkbox"/> NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES <input type="checkbox"/> NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	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
CLEANED SAMPLE INTAKE TUBING	YES <input type="checkbox"/> NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS

1) Antenna stolen. Will replace.

2) Reprogrammed to 602 415 1084

602 591 6000

2328

3) Restarted sampler.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	<i>Arroyo</i>		DATE	<i>6/20/00</i>	
ARRIVAL TIME		DEPARTURE TIME		SERVICED BY	<i>plm</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, storm heading this way. check program and batteries, okay. Storm missed station outlet had standing water. ReStart program. Enter information into station book.*

EQUIPMENT CLEANING CHECKLIST

Site **ARROW**

Date **6/7/00** Time **0915**

Serviced By: **JRC/RWH**

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	ARROW			DATE	6/7/00	
ARRIVAL TIME	0755	DEPARTURE TIME	0915	SERVICED BY	COX/NAUD	
SAMPLER MODEL NUMBER	900 MAX			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

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	ARROW			DATE	10/6/00	
ARRIVAL TIME	1215	DEPARTURE TIME	1225	SERVICED BY	RWN/JFC	
SAMPLER MODEL NUMBER	900 max			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 Reprogrammed sampler (Item 36 and 63).

Restarted sampler. Reviewed all items.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

STATION SITE	Arrowhead	DATE	05/31/00
ARRIVAL TIME		OPERATOR	John
WATER QUALITY		WATER TEMPERATURE	
WATER SAMPLE NUMBER		WATER SAMPLE 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 *Sampler phone*
check station, batteries, 13.5, 13.8,
John

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

DATE	<i>Arroyo</i>	TIME	<i>05/23/00</i>
PARVA		PARVA	<i>(Pen)</i>
WATER QUALITY SAMPLER SERIAL NUMBER		WATER QUALITY SAMPLER SERIAL NUMBER	
WATER QUALITY SAMPLER SERIAL NUMBER		WATER QUALITY SAMPLER SERIAL NUMBER	

	YES NO	GOOD FAIR POOR	YES NO	YES NO	NOTE
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 type="checkbox"/> YES <input type="checkbox"/> NO	volts
SOLAR PANEL	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO N/A	<input checked="" 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 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	<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	
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"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	length (feet)
SAMPLER PUMP 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	
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	
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)
CAL BRATE DEPTH SENSOR	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	N/A	N/A	
CAL BRATE SAMPLE VOLUME	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	N/A	N/A	

NOTES ACTIONS *check site Batteries, 13.3 + 13.0 cell.*

Run pump and check goes okay. clean solar panels

(Pen)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	<i>arrowhead</i>	DATE	<i>05-18/00</i>
BATTERY		OPERATOR	<i>leen</i>
WATER QUALITY		WATER QUALITY	
WATER QUALITY		WATER QUALITY	

	YES NO	GOOD FAIR POOR	YES NO	YES NO	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> 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, batteries, 13.2 / 13.9*
clean solar panels.
leen

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	arrowhead	DATE	05/08/08
ARRIVAL TIME		DEPARTURE TIME	
SAMPLE CODE NUMBER		LABORATORY SERIAL NUMBER	
PROJECT NUMBER		PROJECT SERIAL NUMBER	

	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	14.9 volts					
SOLAR PANEL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>						
CONNECTION CABLES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RAINGAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SAMPLE INTAKE TUBING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	length (feet)
SAMPLER PUMP TUBING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SAMPLER DISTRIBUTOR TUBING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
DEPTH SENSOR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	depth (Inch)
CALIBRATE DEPTH SENSOR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CALIBRATE SAMPLE VOLUME	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	mL
CLEANED SAMPLE INTAKE TUBING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

NOTES / ACTIONS Cell 13.5 ReStart program
(Signature)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Arroyo	DATE	05/01/00
PARCEL		PROJECT	(PCC4)
PROJECT NUMBER		SERIAL NUMBER	
PROJECT NUMBER		SERIAL NUMBER	

	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 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, Batteries, col phone 15.3, Sampler 14.6
 Drain dry, clean some of the garbage from drain.

(PCC4)

Note: Entry way is being fenced in. For good. Need to select
 new entry way to gauge. (Glendale City)?

Found new way in, 85th ave on 75th Ave (PCC4)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Area 1		DATE	04/24/00
ARRIVAL TIME		DEPARTURE TIME		None
INSTRUMENT MODEL NUMBER		INSTRUMENT SERIAL NUMBER		
INSTRUMENT MODEL NUMBER		INSTRUMENT SERIAL NUMBER		

	CHECKED	POWER	YES	YES	NOTES
	YES NO	GOOD FAIR POOR	NO	NO	
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	14.0 volts
SOLAR PANEL <i>clean</i>	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 site, power, Batteries, Sampler 14.0*
cell phone 13.2

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	ANMOhead		DATE	04/13/00
ARRIVAL TIME		DEPARTURE TIME		<i>Ren</i>
WARRANTY NUMBER		MANUFACTURER'S SERIAL NUMBER		
INSTALLATION NUMBER		WARRANTY SERIAL NUMBER		

	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	NOTE
BATTERY VOLTAGE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	13.0 volts					
SOLAR PANEL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>						
CONNECTION CABLES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RAINGAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SAMPLE INTAKE TUBING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	length (feet)
SAMPLER PUMP TUBING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SAMPLER DISTRIBUTOR TUBING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
DEPTH SENSOR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	depth (Inch)
CALIBRATE DEPTH SENSOR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CALIBRATE SAMPLE VOLUME	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	mL
CLEANED SAMPLE INTAKE TUBING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

NOTES/ACTIONS

check site, batteries, Restart program

Ren

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

STATION	AMMORHEAD	DATE	04/12/00
ARRIVAL		DEPARTURE	(None)
OPERATOR		ASSISTANT	
PROJECT		LOCATION	

	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
BATTERY VOLTAGE										13.1 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 Install battery, test cell phone. worked fine. finish up checking connections and site. Left phone power off at this time for battery charge up. (None)

Turn on next run.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Amherst		DATE	04/11/00	
ARRIVAL TIME		DEPARTURE TIME	STATION		
WARRANTY NUMBER			MANUFACTURER'S SERIAL NUMBER	(Plen)	
DISTRIBUTOR'S WARRANTY NUMBER			DISTRIBUTOR'S SERIAL NUMBER		

	CHECKED	COMMENTS	REMARKS	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: Move Solar Panels and install new cell phone antenna. Drill and set panels, install protective cover over panels, rewire and solder connections, check voltage, sampler, paint side of station house. I will install fresh batteries later this week.

(Plen)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Arrow-head	DATE	04/10/00
ARRIVAL TIME		DEPARTURE TIME	
OPERATOR		SERIAL NUMBER	
OPERATOR		SERIAL NUMBER	

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

NOTES ACTIONS Found Batteries at 11.4 & 10.2. Check Solar panel Voltage 17.4. Change out Battery on sampler now 13.2. Left cell phone disconnected until new cell antenna can be purchased. Paint side of station house. Restart program

Note: move solar panels to roof.

(Signature)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Arrowhead		DATE	04/04/06
ARRIVAL TIME		DEPARTURE TIME	SERVICES	None
INSTRUMENT LOOP NUMBER			AMPLIFIER SERIAL NUMBER	
DEPT. SERIAL NUMBER			LOGGING SERIAL NUMBER	

	GOOD	FAIR	POOR	YES	NO	NOTE	
BATTERY VOLTAGE	YES	GOOD	NO	POOR	YES	NO	12.4 volts
SOLAR PANEL	YES	GOOD	NO	POOR	YES	NO	
CONNECTION CABLES	YES	GOOD	NO	POOR	YES	NO	
RAINGAGE	YES	GOOD	NO	POOR	YES	NO	
SAMPLE INTAKE TUBING	YES	GOOD	NO	POOR	YES	NO	length (feet)
SAMPLER PUMP TUBING	YES	GOOD	NO	POOR	YES	NO	
SAMPLER DISTRIBUTOR TUBING	YES	GOOD	NO	POOR	YES	NO	
DEPTH SENSOR	YES	GOOD	NO	POOR	YES	NO	depth (Inch)
CALIBRATE DEPTH SENSOR	YES	GOOD	NO	POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES	GOOD	NO	POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES	GOOD	NO	POOR	N/A	N/A	

NOTES: ACTIONS check site, 0.05 rain no samples, clean solar panel, fix rain gauge house, cell phone antenna stolen, leave cell phone off. Replace antenna once ordered.

(Signature)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Arrowhead		DATE	03/30/00
PARVAH		REPAIRS	SERIAL NUMBER	Plan
SAMPLE			SERIAL NUMBER	
SAMPLE			SERIAL NUMBER	

	CHECKED	COMMENTS	YES	NO	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	13.6 volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	clean
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, clean solar panels, 0.03 rain

Re Start program

Plan

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Arrowhead		DATE	03/28/00
ARRIVAL TIME	1030	DEPARTURE TIME	SERVICED BY	<i>Dean</i>
SAMPLER MODEL NUMBER		MANUFACTURER SERIAL NUMBER		
SENSOR MODEL NUMBER		MANUFACTURER SERIAL NUMBER		

	REPAIR REQUIRED	CONNECTION	TEST	STATUS	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 Rain 0102 at 1030, no samples. Battery at 13.4*

Dean

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Arrow Head		DATE	05/27/00
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY	Reed
SAMPLER MODEL NUMBER		APPROXIMATE SERIAL NUMBER		
DEPT. SERIAL NUMBER		CONTRACT SERIAL NUMBER		

	TESTED	FUNCTIONAL	OPERATIONAL	REPAIRS	REMARKS
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	13.6 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 13.6 is up from last visit, at 13.2. Check station and restart program as sampler read program completed. No rain and no samples taken.

Reed

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

FIELD SITE	<i>Alfon</i>	DATE	<i>03/20/00</i>
ARRIVAL TIME		DEPARTURE TIME	
SAMPLER MODEL NUMBER		DATE & SERIAL ASSET NUMBER	<i>Alan</i>
DESERIAL NUMBER ASSET NUMBER		RANGAGE SERIAL ASSET NUMBER	

	RECORDS REVIEWED	COMPLIANT	YES	NO	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	<i>15.2 volts</i>
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 (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/ACTIONS *check battery, station house painted*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

FIELD SITE	<i>Arroyo lead</i>	DATE	<i>07/16/00</i>
ARRIVAL TIME		DEPARTURE TIME	
SAMPLER MODEL NUMBER		WATER SERIAL ASSET NUMBER	<i>Ren</i>
DEPT SERIAL NUMBER ASSET NUMBER		RANGAGE SERIAL ASSET NUMBER	

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPAIRS	REPLACE	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	<i>13.4</i> <i>12.9</i> 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	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: 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	
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES: ACTION: *Exchange batteries, check sampler and cell phone*

Ren

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Allowhead	DATE	03/11/00 / 03/15/00
ARRIVAL TIME		DEPARTURE TIME	
SAMPLER MODEL NUMBER		DATE OF SERIAL ASSET NUMBER	
PT SERIAL NUMBER ASSET NUMBER		RAINGAGE SERIAL ASSET NUMBER	

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPAIRS	TESTS	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	12.1 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)
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 Put bottles in, check battery, restart program
 & clean solar panel. (Clean)

Clean up and put in new dia. check voltage, solder wires and connectors. Restart program. (Clean)

EQUIPMENT CLEANING CHECKLIST

Site **ARROW**

Date **3/9/00** Time **1050**

Serviced By: **TGM/JRC**

YES

Data Downloaded to DTU?

#20

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	Arrow		DATE	3/9/00	
ARRIVAL TIME	1050	DEPARTURE TIME	1140	SERVICED BY	
SAMPLER MODEL NUMBER		900 Max		SAMPLER SERIAL/ ASSET NUMBER	
PT SERIAL NUMBER/ ASSET NUMBER				RAIN GAGE SERIAL/ ASSET NUMBER	
				JRC/TCW	

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	GOOD FAIR POOR	YES <input checked="" type="checkbox"/> NO	YES <input checked="" type="checkbox"/> NO	11.4 volts
SOLAR PANEL	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO N/A	GOOD FAIR POOR	YES <input checked="" type="checkbox"/> NO	YES <input checked="" type="checkbox"/> NO	
CONNECTION CABLES	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	GOOD FAIR POOR	YES <input checked="" type="checkbox"/> NO	YES <input checked="" type="checkbox"/> NO	
RAIN GAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	GOOD FAIR 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	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	GOOD FAIR POOR	YES <input checked="" type="checkbox"/> NO	YES <input checked="" type="checkbox"/> NO	
DEPTH SENSOR	YES <input checked="" 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	GOOD FAIR POOR	N/A	N/A	

Note: 7 bottles full (one at angle), 2" water in base.

NOTES / ACTIONS	Rain	1.89 in
	Level	0.943 in
	Flow	0.02 cfs
	Velocity	0.2 fps
	Battery	11.4 V

(1) Download data; (2) Decon tubing;

(3) Checked rningage, funnel clear; (4) Restart sampler

(5) Error msg - distributor arm not functioning properly. Based head to shop

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Aldrich Road		DATE	03/05/00
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	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	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, copy data to cell #6, Rain 0.24
 level ~~0.92 FPS~~ 2.477
 Depth 12.5 Flow 0.92 CFS
 Velocity 2.67 FPS
 Found pump have a FF, Re start program, put ice in sampler

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Arrowhead		DATE	02/29/00	
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 Change out small solar panel for larger one Higher
output for sampler. The other large solar panel was stolen,
cut, solder wires, cover panels and check cellphone, sampler.

(Signature)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Arrowhead		DATE	02/22/00
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY	(Keeho)
SAMPLER MODEL NUMBER			SAMPLER SERIAL ASSET NUMBER	
PT SERIAL NUMBER ASSET NUMBER			RAINGAGE SERIAL ASSET NUMBER	

	CHECKED SERVICED CALIBRATED	CONDITION	REPLACEABLE	NEEDS REPAIRING?	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, repair tipping bucket house, replace nets & wing nets. Level and put new Funnel in Empty base of ice and switch batteries, from 10.9 to 13.4. I will return with fresh battery and other parts for rain gauge. Clean solar panels. 0.01 rain. (Keeho)

Return, install battery and fix rain gauge funnel (Keeho)

STORM EVENT LOG SHEET

SITE: ARROW

DATE: 2/21/00 TIME: 1600

DID EQUIPMENT OPERATE PROPERLY DURING EVENT: YES NO

IF NO, WHAT WERE PROBLEM(S):

① Rain gauge and solar panels vandalized. Battery 11.1 V.
Feed sampler. Restarted sampler.

② 2/21/00 2000 Rainfall 0.01 in
Flow 0.69 cfs
Level 2.142 in
Battery 11.0 V

FIELD PARAMETERS:

Discharge at time of Grabs	0.69	cfs
----------------------------	------	-----

Effluent pH	7.5	S.U.
-------------	-----	------

Effluent Temperature	17	°C
----------------------	----	----

GRAB SAMPLES:

Take grab samples from discharge only!

Grab Samples Taken?

YES

NO

Preservatives added to bottles?

YES

NO

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

ABROVHEAD

<i>(Post to Complex # 70214)</i>	<i>1-25-00</i>
	<i>pen</i>

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<i>13.4</i> volts
SOLAR PANEL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<i>clean</i>
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 battery, 13.4 clean solar panels*

pen

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	ARROW		DATE	1/11/00	
ARRIVAL TIME	1155	DEPARTURE TIME	1245	SERVICED BY	
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	<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	13.2 volts
SOLAR PANEL	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<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	
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 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 (inch)
CALIBRATE DEPTH SENSOR	<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"/> N/A	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input 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 type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input 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 type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A	

NOTES / ACTIONS

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

STATION	AA000	DATE	1-11-2000
PROJECT		LOCATION	
OPERATOR		INSTRUMENT	
WATER QUALITY		WATER TEMPERATURE	

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input checked="" type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input checked="" type="radio"/> YES <input type="radio"/> NO	13.4 volts
SOLAR PANEL	<input checked="" type="radio"/> YES <input type="radio"/> NO N/A	<input checked="" type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CONNECTION CABLES	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input checked="" type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input checked="" type="radio"/> YES <input type="radio"/> NO	
RAINGAGE	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input checked="" type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input checked="" type="radio"/> YES <input type="radio"/> NO	
SAMPLE INTAKE TUBING	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input checked="" type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input checked="" type="radio"/> YES <input type="radio"/> NO	length (feet)
SAMPLER PUMP TUBING	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input checked="" type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input checked="" type="radio"/> YES <input type="radio"/> NO	
SAMPLER DISTRIBUTOR TUBING	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input checked="" type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input checked="" type="radio"/> YES <input type="radio"/> NO	
DEPTH SENSOR	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input checked="" type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input checked="" type="radio"/> YES <input type="radio"/> NO	depth (Inch)
CALIBRATE DEPTH SENSOR	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input checked="" type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input checked="" type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input checked="" type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	N/A	N/A	

NOTES / ACTIONS calibrated sampler sensors clean ground intake
line. Need to replace screws on PT and intake line where
they sit in water. Everything worked.

BUTLER near Orchid Drive and 56th Drive

STORM EVENT LOG SHEET

1. Site: Butler

Your Name: Sutton

2. Date: 11-6-00

Time: 1059a

SAMPLER PARAMETERS

3. Rainfall: .03 in

4. Flow: .01 cfs

5. Level: .069 in

6. Velocity: _____ ft/sec

O&M PARAMETERS

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

Not enough rainfall to activate sampler

8. Battery voltage: 12.4 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 **Butler**

Date **10-31-00** Time **22:30**

Serviced By: **Tom Siegfried**

N/A

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.

EQUIPMENT CLEANING CHECKLIST

Site **Butter Park** Battery 12.5r

Date **10-28-00** Time **1435**

Serviced By: **Sutton**

TOTAL Rain - 1.42", Halt for 72 hrs until 11/01/00

YRS

Data Downloaded to DTU?

Cell #4 DTU#1

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.

No Deionized H₂O to Decon
Sampler functioned during event

EQUIPMENT CLEANING CHECKLIST

Site **BUTLER**

Date **10-22-00** Time **1400**

Serviced By: **Siegfried**

YES
CEW 14

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: BUTLER

Your Name: Siegfried

2. Date: 10-22-00

Time: 1400

SAMPLER PARAMETERS

3. Rainfall: 0.68 in

4. Flow: 0.01 cfs

5. Level: 0.69 in

6. Velocity: 20 ft/sec

O&M PARAMETERS

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

8. Battery voltage: 12.5 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?**

STORM EVENT LOG SHEET

1. Site: Butler

Your Name: Siegfried - Sutton

2. Date: 10-21-00

Time: 1730

SAMPLER PARAMETERS

3. Rainfall: .06 in @ 2026 hrs

4. Flow: .01 cfs

1900

5. Level: .069 in

~~1900~~

START

6. Velocity: .20 ft/sec

O&M PARAMETERS

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

8. Battery voltage: 12.7 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 Bottle Park

Date 10/10/00 Time 1500 hr

Serviced By: Allen

copy 10/11/00 clean solar panel, Battery 12.7

Date Data Downloaded to DTU?

copy 8 to 1 DTU II Time: 1150

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: Bottle Park

Your Name: Row

2. Date: 10/10/00

Time: 6:45

SAMPLER PARAMETERS

3. Rainfall: .68 in -10/11/00 .69 .01

4. Flow: 1.34 cfs

5. Level: 1.703 in

6. Velocity: 1.55 ft/sec

O&M PARAMETERS

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

8. Battery voltage: 12.5 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 9.9 _____ 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: BUTLER

Your Name: JACK JHS

2. Date: 10/8/00

Time: 10 22-35

SAMPLER PARAMETERS

3. Rainfall: 0.00 in

4. Flow: _____ cfs

5. Level: _____ in

6. Velocity: _____ ft/sec

Reprogrammed for winter
Checked program -
Restarted.

O&M PARAMETERS

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

8. Battery voltage: 12.7 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 **Butler** 12.6 volts

Date **10-7-00** Time **7:54A**

Serviced By: **Sutton**



Data Downloaded to DTU?

Cell # **6** DTU # **1**

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	Butler Park		DATE	10/16/00	
ARRIVAL TIME	1130	DEPARTURE TIME	1140	SERVICED BY	<i>Allen</i>
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900 <small>other</small>

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	12.9 volts
SOLAR PANEL CLEAN	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CELLULAR ANTENNA	YES <input type="checkbox"/> NO	
PHONE TONE	YES <input type="checkbox"/> NO	
RAINGAGE (screen, funnel, tipping bucket)	YES <input type="checkbox"/> NO	
SAMPLE TUBING (intake, pump, distributor)	YES <input type="checkbox"/> NO	
CLEANED SAMPLE TUBING (tap, Iiquinox, tap, nitric, DI)	YES <input type="checkbox"/> NO	
CALIBRATED DEPTH SENSOR	YES <input type="checkbox"/> NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES <input type="checkbox"/> NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.
1 Check Station, clean solar panels, leave program running
2
3

FCD/USGS STORMWATER O&M LOG SHEET

SITE	Butler Park		DATE	10/2/00	
ARRIVAL TIME	1100	DEPARTURE TIME	1110	SERVICED BY	<i>[Signature]</i>
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800 900	other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	13.0 vol
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES <input type="radio"/> 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 (ir
CALIBRATED SAMPLE VOLUME	YES NO	ml

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

1 Restart program. New water year

2

3

FCD/USGS STORMWATER O&M LOG SHEET

SITE	Dotlen Park			DATE	9/26/00		
ARRIVAL TIME	1000	DEPARTURE TIME	1215	SERVICED BY	P. Reed		
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900	other	

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	12.6 volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	cleaned
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	YES NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="radio"/> YES <input type="radio"/> NO	checked, 0.01 Rain
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, program started 9/19/00.
2	
3	

FCD/USGS STORMWATER O&M LOG SHEET

SITE	Butler Park		DATE	9/19/00	
ARRIVAL TIME	1045	DEPARTURE TIME	1055	SERVICED BY	<i>(Signature)</i>
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	12.9 volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>clean</i>
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CELLULAR ANTENNA	<input type="radio"/> YES <input type="radio"/> NO	
PHONE TONE	<input type="radio"/> YES <input type="radio"/> NO	
RAINGAGE (screen, funnel, tipping bucket)	<input type="radio"/> YES <input type="radio"/> NO	
SAMPLE TUBING (intake, pump, distributor)	<input type="radio"/> YES <input type="radio"/> NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	<input type="radio"/> YES <input type="radio"/> NO	
CALIBRATED DEPTH SENSOR	<input type="radio"/> YES <input type="radio"/> NO	depth (in)
CALIBRATED SAMPLE VOLUME	<input type="radio"/> YES <input type="radio"/> NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>check sampler time, correct, no start program</i>
2	<i>channel is clear, open.</i>
3	

FCD/USGS STORMWATER O&M LOG SHEET

SITE	Dutler Park		DATE	9/14/00	
ARRIVAL TIME	1030	DEPARTURE TIME	1040	SERVICED BY	(Signature)
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	800	<input checked="" type="radio"/> 900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	12.8 volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES NO	cleaned
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> 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, 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	Program started 9/14/00 Left running. No Rain
2	
3	

FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Durbin Pulte</i>		DATE	<i>09/05/00</i>	
ARRIVAL TIME	<i>1200</i>	DEPARTURE TIME	<i>1210</i>	SERVICED BY	<i>[Signature]</i>
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	800 <input checked="" type="radio"/> 900	other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>12.9</i> volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>clean</i>
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	<i>confirm phone working</i>
RAINGAGE (screen, funnel, tipping bucket)	YES <input type="radio"/> NO	
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

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

EQUIPMENT CLEANING CHECKLIST

Site

BUTLER PARK

Date

9-1-00

Time

10:00

Serviced By:

DENNIS STRAHM dps

NO

Data Downloaded to DTU?

DONE 8:31:00

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.

DECON BOTTLES
RESTART SAMPLER

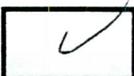
EQUIPMENT CLEANING CHECKLIST

Site **Dutton Park**

Date **8/31/00** Time **1200**

Serviced By:

Cell # / DTU #2 3516 0.18m



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.

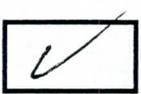
6. Disconnect the extension tubing and make sure the distributor tubing is seated properly.
7. Replace the base and clean bottles.
8. If the data has been downloaded to the DTU, START the program from the beginning.
9. If the data has not been downloaded, RESUME the program.

EQUIPMENT CLEANING CHECKLIST

Site **Botler Park**

Date **8/30/00** Time **0900**

Serviced By: **(Pun)** **(JRS)**

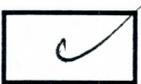


cell #1

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.

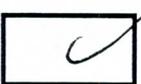
Clean Bottles, ReStart program.



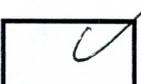
Pump approximately 1/2 gallon tap water through tubing.



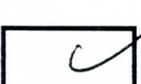
Pump approximately 1/2 gallon of Liquinox through tubing.



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.

STORM EVENT LOG SHEET

1. Site: BUTLER PARK

Your Name: BOB NAUD JR DPS

2. Date: 8.29.00

Time: 09:07

SAMPLER PARAMETERS

3. Rainfall: 0.14 in
4. Flow: 01 cfs
5. Level: 069 in
6. Velocity: 0.20 ft/sec

O&M PARAMETERS

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

8. Battery voltage: 12.8 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? Flow too Low

14. Preservatives added to bottles?

Yes or No? Ice Sampler

FCD/USGS STORMWATER O&M LOG SHEET

SITE <i>Butler Park</i>		DATE <i>8/28/00</i>	
ARRIVAL TIME <i>755</i>	DEPARTURE TIME <i>820</i>	SERVICED BY <i>(signature)</i>	
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO	MODEL NUMBER	<input type="radio"/> 800 <input checked="" type="radio"/> 900 <input type="radio"/> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>12.8</i> volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>cleaned</i>
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>clean screen, 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

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

1 *rain fall recorded 0.01*

2

3

STORMWATER O&M LOG SHEET

SITE	BUTLER			DATE	8-21-00		
ARRIVAL TIME	1745	DEPARTURE TIME	18:00	SERVICED BY	JRC & DPS		
SAMPLER	SIGMA OR ISCO			MODEL NUMBER	800	900	other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	13.0 volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	CLEANED OK NOW
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CELLULAR ANTENNA	<input type="radio"/> YES <input checked="" type="radio"/> NO	NA
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	
SAMPLE TUBING (intake) pump, distributor	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	<input type="radio"/> YES <input checked="" type="radio"/> NO	
CALIBRATED DEPTH SENSOR	<input type="radio"/> YES <input checked="" type="radio"/> NO	depth (in)
CALIBRATED SAMPLE VOLUME	<input type="radio"/> YES <input checked="" type="radio"/> NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.
<ol style="list-style-type: none"> 1 No rainfall since last download, Rain = 0.00 in. Restarted sampler. 2 CLEAR CHANNEL AT ENTRANCE TO BUTLER PARK - CONTACT 3 CITY OF GLENDALE.

FCD/USGS STORMWATER O&M LOG SHEET

SITE	Butler Park			DATE	8/17/00		
ARRIVAL TIME	8 45	DEPARTURE TIME	900	SERVICED BY	Perry		
SAMPLER	SIGMA OR ISCO			MODEL NUMBER	800	900	other

EQUIPMENT CHECKED	YES NO	COMMENTS
BATTERY VOLTAGE OK	YES NO	Solar Power check 12.9 volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES NO	output 18.3
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> 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 check solar panels, output, condition. cleaned.

2

3

STORM EVENT LOG SHEET

1. Site: BUTLER PARK

Your Name: Jim

2. Date: 8/12/00

Time: 7:15 PM

SAMPLER PARAMETERS

3. Rainfall: 0.21 in

4. Flow: 0.01 cfs

5. Level: 0.069 in

6. Velocity: 0.20 ft/sec

Review data, no other entry recorded.

no rain at this time.

O&M PARAMETERS

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

8. Battery voltage: 12.9 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	Botler Park		DATE	8/8/00	
ARRIVAL TIME	750	DEPARTURE TIME	815	SERVICED BY	
SAMPLER		SIGMA OR ISCO	MODEL NUMBER	800	900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	13.7 volts
SOLAR PANEL CLEAN	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CABLES AND CONNECTIONS GOOD	<input type="checkbox"/> YES <input type="checkbox"/> NO	
CELLULAR ANTENNA	<input type="checkbox"/> YES <input type="checkbox"/> NO	
PHONE TONE	<input type="checkbox"/> YES <input type="checkbox"/> NO	
RAINGAGE (screen, funnel, tipping bucket)	<input type="checkbox"/> YES <input type="checkbox"/> NO	0.21 Reading
SAMPLE TUBING (intake, pump, distributor)	<input type="checkbox"/> YES <input type="checkbox"/> NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	<input type="checkbox"/> YES <input type="checkbox"/> NO	
CALIBRATED DEPTH SENSOR	<input type="checkbox"/> YES <input type="checkbox"/> NO	depth (in)
CALIBRATED SAMPLE VOLUME	<input type="checkbox"/> YES <input type="checkbox"/> NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	Flush and clean bottles, intake line. Channel clear
2	0.21 Rain =
3	

STORM EVENT LOG SHEET

1. Site: BUTLER

Your Name: JRC/AMB/ASO

2. Date: 8/8/00

Time: 0200

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.

2 1/2 hrs 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	Dutler Park		DATE	8/5/00	
ARRIVAL TIME	1840	DEPARTURE TIME	1855	SERVICED BY	(Signature)
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900 other

EQUIPMENT CHECKED	YES NO	COMMENTS
BATTERY VOLTAGE OK		12.9 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	1849 PM 0.01 Rain, Showers developing, no flow
2	No samples, Sampler good.
3	

FCD/USGS STORMWATER O&M LOG SHEET

SITE	Dutler Park		DATE	8/2/00	
ARRIVAL TIME	7:00	DEPARTURE TIME	7:15	SERVICED BY	
SAMPLER		<input checked="" type="checkbox"/> SIGMA OR ISCO		MODEL NUMBER	800 <input checked="" type="checkbox"/> 900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="checkbox"/> YES NO	12.9 volts
SOLAR PANEL CLEAN	<input checked="" type="checkbox"/> YES NO	cleaned
CABLES AND CONNECTIONS GOOD	<input checked="" type="checkbox"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	YES NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="checkbox"/> YES NO	checked okay
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	

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	BUTLER		DATE	1/11/00	
ARRIVAL TIME		DEPARTURE TIME	1530	SERVICED BY	JRC/RWH/CFR/TGV
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	12.7 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

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

STATION	Deffen Park	DATE	1-11-2000
OPERATOR		TECHNICIAN	JRC/RWN/CFK/TGW
PROJECT		PROJECT NUMBER	
WELL NUMBER		WELL NUMBER	

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE	<input checked="" type="radio"/>	GOOD	<input checked="" type="radio"/>	<input checked="" type="radio"/>	12.7 volts
SOLAR PANEL	<input checked="" type="radio"/> N/A	GOOD FAIR POOR	<input checked="" type="radio"/>	<input checked="" type="radio"/>	
CONNECTION CABLES	<input checked="" type="radio"/>	GOOD FAIR POOR	<input checked="" type="radio"/>	<input checked="" type="radio"/>	
RAINGAGE	<input checked="" type="radio"/>	GOOD FAIR POOR	<input checked="" type="radio"/>	<input checked="" type="radio"/>	
SAMPLE INTAKE TUBING	<input checked="" type="radio"/>	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING <i>Brake,</i>	<input checked="" type="radio"/>	GOOD FAIR POOR	<input checked="" type="radio"/>	<input checked="" type="radio"/>	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	<input checked="" type="radio"/>	GOOD FAIR POOR	<input checked="" type="radio"/>	<input checked="" type="radio"/>	depth (Inch)
CALIBRATE DEPTH SENSOR	<input checked="" type="radio"/>	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	<input checked="" type="radio"/>	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	<input checked="" type="radio"/>	GOOD FAIR POOR	N/A	N/A	

NOTES/ACTIONS *calibrate PT, unable to calibrate intake line as pump tubing was cracked. check rain gauge, clean solar panels. Replace pump tube 1-12-2000. calibrate volume.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

STATION	Butler Park	DATE	1-11-2000
OPERATOR		TECHNICIAN	COX/HAUD/KUHNEN/WILLIAMS
PROJECT		WATER QUALITY	
WATER QUALITY		WATER QUALITY	

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE	<input checked="" type="checkbox"/> <input type="checkbox"/>	GOOD FAIR POOR	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>	12.3 volts
SOLAR PANEL	<input checked="" type="checkbox"/> NO N/A	GOOD FAIR POOR	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>	
CONNECTION CABLES	<input checked="" type="checkbox"/> NO	GOOD FAIR POOR	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>	
RAINGAGE	<input checked="" type="checkbox"/> NO	GOOD FAIR POOR	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>	
SAMPLE INTAKE TUBING	<input checked="" type="checkbox"/> NO	GOOD FAIR POOR	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>	length (feet)
SAMPLER PUMP TUBING	<input checked="" type="checkbox"/> NO	GOOD FAIR POOR	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>	
SAMPLER DISTRIBUTOR TUBING	<input checked="" type="checkbox"/> NO	GOOD FAIR POOR	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>	
DEPTH SENSOR	<input checked="" type="checkbox"/> NO	GOOD FAIR POOR	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/>	depth (Inch)
CALIBRATE DEPTH SENSOR	<input checked="" type="checkbox"/> NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	<input checked="" type="checkbox"/> NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	<input checked="" type="checkbox"/> NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS Calibrate PT, pump hose broke, I will replace tomorrow
 1-12-2000. I will also do a volume check. Replace intake
 line if needed. Raingage checked, solar panels cleaned.

1-12-2000: Replace pump hose, calibrate volume, 450 excellent, replace
 intake line screen with new style, smaller intake. Post test program.

(Signature)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

Butler Park		1-25-00	
		Ken	

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE	<input checked="" type="checkbox"/>	GOOD	YES	YES	12.7 volts
SOLAR PANEL	<input checked="" type="checkbox"/>	GOOD	YES	YES	clean
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, clean solar panels

Ken

STORM EVENT LOG SHEET

SITE:	BUTLER
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DATE:	2/21/00	TIME:	1700
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DID EQUIPMENT OPERATE PROPERLY DURING EVENT: YES NO

IF NO, WHAT WERE PROBLEM(S):

Grabs collected at 1730

FIELD PARAMETERS:

Rainfall 0.1 in

Discharge at time of Grabs	1.67	cfs
----------------------------	------	-----

Effluent pH	8.1	S.U.
-------------	-----	------

Effluent Temperature	16	°C
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GRAB SAMPLES:

Take grab samples from discharge only!

Grab Samples Taken?

YES

NO

Preservatives added to bottles?

YES

NO

EQUIPMENT CLEANING CHECKLIST

Site Butler Park

Date 02/22/00 Time 0900

Serviced By: (Signature)

Cell #1

Data Downloaded to DTU?

0.10 Run

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 DATE	Butler Park	DATE	02/22/00
ARRIVAL TIME		OPERATOR	(Perry)
PROJECT NUMBER		WATER QUALITY SAMPLER NUMBER	
STATION NUMBER		WATER QUALITY SAMPLER 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 *copy data, flush lines, check int. tank*
1 bottle, 1/4 full. 0-10 rain *Date on #1 DTU if*
(Perry)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Nutter Park		DATE	03/05/00	
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	REPLACE?	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	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 Rain recorded @ 133 at 0830

Copy date, call #4 Level 1133 in

No grab samples taken Flow - 1.03

No composite samples taken Velocity 0.20 fms

Put ice in sampler

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Butler		DATE	3/9/00	
ARRIVAL TIME	1450	DEPARTURE TIME	1530	SERVICED BY	JRC/TGW
SAMPLER MODEL NUMBER	900 Max		SAMPLER SERIAL/ ASSET NUMBER		
PT SERIAL NUMBER/ ASSET NUMBER			RAINGAGE SERIAL/ ASSET NUMBER		

RAIN 2.29 in
 LEVEL 0.503 in
 FLOW -27.42 cfs
 VELOCITY 0.20 fps

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	GOOD FAIR POOR	YES <input checked="" type="checkbox"/> NO	YES <input checked="" type="checkbox"/> NO	12.6 volts
SOLAR PANEL	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO N/A	GOOD FAIR POOR	YES <input checked="" type="checkbox"/> NO	YES <input checked="" type="checkbox"/> NO	
CONNECTION CABLES	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	GOOD FAIR POOR	YES <input checked="" type="checkbox"/> NO	YES <input checked="" type="checkbox"/> NO	
RAINGAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	GOOD FAIR 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	GOOD FAIR 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	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	GOOD FAIR POOR	YES <input checked="" type="checkbox"/> NO	YES <input checked="" type="checkbox"/> NO	
DEPTH SENSOR	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	GOOD FAIR POOR	YES <input checked="" type="checkbox"/> NO	YES <input checked="" type="checkbox"/> 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	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS

✓ 1) Downloaded data.

✓ 2) Checked raingage funnel (clear).

✓ 3) Decon tubing.

✓ 4) Restart sampler. Tried but didn't due to distributor arm jammed error message.

Head & base to shop for repair + decon bottles.

EQUIPMENT CLEANING CHECKLIST

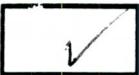
Site **BUTLER**

Date **3/9/00** Time **1510**

Serviced By: **JRC/TGV**

yes #18 **Data Downloaded to DTU?**

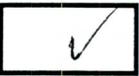
1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
4. On 900 models, press the Pump Operation key and then the select Purge.
5. Follow the steps below and check each as it is done.



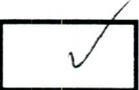
Pump approximately 1/2 gallon tap water through tubing.



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

FIELD SITE	Dotler Park	DATE	03/17/00
ARRIVAL TIME	DEPARTURE TIME	SERVICED BY	<i>Reed</i>
SAMPLER MODEL NUMBER		SAMPLE SERIAL NUMBER	
PT SERIAL NUMBER / GSEP NUMBER		RAIN GAGE SERIAL NUMBER	

	CHECKED SERVICE CALIBRATE	CONDITION			NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	13.0 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 *Put back cleaned equipment, Clean solar panels*
Restart program
Reed

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

FIELD SITE	Butler Park		DATE	03/20/00
ARRIVAL TIME		DEPARTURE TIME	SERVICE BY	<i>Plus</i>
SAMPLER MODEL NUMBER		WATER SERIAL NUMBER		
INSTRUMENT SERIAL NUMBER		LOGGING SERIAL NUMBER		

	CHECKED / SERVICED / CALIBRATED	CONDITION	TESTED	RETEST	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	12.8 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	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 / ACTIONS: *check site, Battery*
Plus

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Butler Park		DATE	03/27/00
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY	<i>Reed</i>
SAMPLER MODEL NUMBER		WATER SERIAL NUMBER		
INSTRUMENT NUMBER		LOGGING SERIAL NUMBER		

	CHECKED	COMMENTS	OK	NO	NOTE
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	12.9 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, channel clear, Battery 12.9 Clean Solar
panels
Reed

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Dutler Park		DATE	03/28/00
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY	
SAMPLER MODEL NUMBER		RAIN GAGE SERIAL NUMBER		
DEPTH SENSOR SERIAL NUMBER		RAIN GAGE SERIAL NUMBER		

	CHECKED	COMMENTS	REMARKS	REMARKS	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	
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)
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, 0.06 rain at 1000 no
sample
Allen

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Dutler Park	DATE	03/30/00
ARRIVAL TIME		DEPARTURE TIME	
SAMPLER MODEL NUMBER		DATE SERIAL NUMBER	
WATER SERIAL NUMBER		LOG SERIAL NUMBER	

	TEST CALIBRATION	CONDUCT	TEMPERATURE	PH	NOTE
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	12.6 volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	clean
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 on site, 0.06 rain in sampler
Restart program, clean solar panels
Plan

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Dutton Park	DATE	04/04/00
ARRIVAL TIME		DEPARTURE TIME	
NUMBER		SERIAL NUMBER	
SERIAL NUMBER		SERIAL NUMBER	

	OPERATIONAL	CONNECTIONS	DEPTH	NOTE
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO 12.7 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 Vel 0.20 No samples taken 0.02 Rain
clean solar panels, check hoses, connections etc
(Plan)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	DotLea Park		DATE	04/10/00
ARRIVAL TIME		DEPARTURE TIME	OPERATOR	(Red)
WATER POINT NUMBER		WATER POINT SERIAL NUMBER		
WATER POINT SERIAL NUMBER		WATER POINT SERIAL NUMBER		

	CHECKED	COMMENTS	YES	NO	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	12.7 volts
SOLAR PANEL <i>clean</i>	<u>YES</u> NO N/A	<u>GOOD</u> 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 site, channel, Battery 12.7, clean Solar Panels.*

(Red)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Bottle Park	DATE	04/13/00
APPROVAL		REPAIRS	
INSTRUMENT		INSTRUMENT	
SERIAL NUMBER		SERIAL NUMBER	

	CHECKED	CONDITION	YES	NO	NOTE
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	12.7 volts
SOLAR PANEL <i>Cleaned</i>	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 sites, channel and Battery, Restart program.*

Renew

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

WATER QUALITY SAMPLER SITE	Butler Park	DATE	04/24/00
ARRIVAL TIME		DEPARTURE TIME	
WATER QUALITY SAMPLER MODEL NUMBER		WATER QUALITY SAMPLER SERIAL NUMBER	
WATER QUALITY SAMPLER ASSEMBLY NUMBER		WATER QUALITY SAMPLER ASSEMBLY NUMBER	

	OPERATIONAL	CONNECTIONS	DEPTH	VOLUME	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	12.9 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 site, channel.*

Rever

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Butler Park	DATE	05/01/00
PARMETER		REMARKS	<i>new</i>
WATER QUALITY		WATER QUALITY	
WATER QUALITY		WATER QUALITY	

	OPERATIONAL	CONNECTIONS	WATER QUALITY	WATER QUALITY	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	13.6 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	
RANGAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE NTAKE 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 NTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES/ACTIONS *(check Stationary Battery and channels. Clean Solarpanel)*

new

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Dottler Park		DATE	05/08/00
ARRIVAL TIME		DEPARTURE TIME	STATUS	Good
TABLET MODEL NUMBER		TABLET SERIAL NUMBER		
TABLET SERIAL NUMBER		TABLET ASSET NUMBER		

	CHECKED	CONDITION	YES	NO	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	clean
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, clean solar panels, batteries, restart program

(Signature)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

DATE	Butler Park	DATE	05/18/00
LOCATION		OPERATOR	(Signature)
PROJECT		INSTRUMENT	
WATER QUALITY		WATER QUALITY	

	YES NO	GOOD FAIR POOR	YES NO	YES NO	NOTE
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	132 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 sites, Battery and channels, clean Solar panels.

(Signature)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Butler Park	DATE	5/23/06
BATTERY		CHARGE	Plen
WARRANTY		WARRANTY	
WARRANTY		WARRANTY	

	YES NO	GOOD FAIR POOR	YES NO	YES NO	NOTE
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	12.9 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
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES ACTIONS check station, to make sure battery okay.
 Solar charged, check to how battery handling charge
 long, hot bright days. Do Pump Test. okay.
 Plen

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

STATION SITE	Butler Park	DATE	05/31/00
ARRIVAL TIME		TECHNICIAN	Allen
STARTING MOTOR NUMBER		STARTING TUBING SERIAL NUMBER	
DEPTH SENSOR NUMBER		DEPTH SENSOR SERIAL NUMBER	

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE					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 *Check Station, battery 13.1 channel.*
clean solar panels.
Allen

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	BUTLER		DATE	6/7/00	
ARRIVAL TIME	0935	DEPARTURE TIME	1030		SERVICED BY
SAMPLER MODEL NUMBER		900 MAX		SAMPLER SERIAL/ ASSET NUMBER	
PT SERIAL NUMBER/ ASSET NUMBER				RAINGAGE SERIAL/ ASSET NUMBER	
				COX / NAUD	

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

NOTES / ACTIONS

EQUIPMENT CLEANING CHECKLIST

Site **BUTLER**

Date **6/7/00** Time **1030**

Serviced By: **JRC/RWH**

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	Dutler Park		DATE	6/20/00
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY NCCY	
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 for readiness for storms. check
battery power, channel clear. some water runoff from
irrigation, put information in station book. clean solar
panels storm missed station, check program and
restart program.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Butler Park		DATE	6/23/00	
ARRIVAL TIME	1020	DEPARTURE TIME	1110	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	
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 Flush lines, review program, clean solar panels,
change 500 to 1000 in program as stated in book, connected others
 (Signature)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	BUTLER		DATE	6/27/00	
ARRIVAL TIME	1300	DEPARTURE TIME	1305	SERVICED BY	RWN/JRC
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	<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	1.3 volts
SOLAR PANEL	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO N/A	<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	
Cables / Connections	<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	
Leveled tipping bucket (had been tampered with). Raingage / Funnel / Screen	<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	
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	N/A	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	N/A	N/A	mL

NOTES / ACTIONS

Restarted program.

Tested tipping bucket (30 tips) + paging system.

Sampler registered 0.30 in. rain.

Pager did not alarm. Called FACMgmt.

Restarted (after power off/on, disconnect/reconnect modem). Still busy signal.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Bitter		DATE	6/28/00	
ARRIVAL TIME	0830	DEPARTURE TIME	0915	SERVICED BY	PWH/JRC
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 <u>NO</u>	GOOD FAIR POOR	YES NO	YES NO	13 volts
SOLAR PANEL	YES <u>NO</u> N/A	GOOD FAIR POOR	YES NO	YES NO	
Cables / Connections	YES <u>NO</u>	GOOD FAIR POOR	YES NO	YES NO	
Raingage / Funnel / Screen	YES <u>NO</u>	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES <u>NO</u>	GOOD FAIR POOR	YES NO	YES NO	
CLEANED SAMPLE INTAKE TUBING	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

NOTES / ACTIONS Called 623 930 7101. Busy signal.
 Disconnected wires @ phone junction box. Called again.
 Recording --- "not in service" Reconnected wires.
 Called again. Busy signal. Called FAC Mgmt requested
 they contacted telecommunications. Telecom work
 order 6656.

FCD/USGS STORMWATER O&M LOG SHEET

SITE	Dotter Park		DATE	6/29/00	
ARRIVAL TIME	1035	DEPARTURE TIME	1050	SERVICED BY	(Signature)
SAMPLER	(Sigma) OR ISCO		MODEL NUMBER	800	(900) other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	(YES) NO	12.9 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	Channel Shows no sign of flow. check tipping
2	bucket's no rain recorded. Bucket okay, no blockage
3	area shows no sign of rain.

STORM EVENT LOG SHEET

2 cell composite,
No rain yet 0.0 in,
Battery 12.8 V
Restarted,

SITE:	BUTLER
-------	--------

DATE:	6/29/00	TIME:	2030
-------	---------	-------	------

DID EQUIPMENT OPERATE PROPERLY DURING EVENT: YES NO

IF NO, WHAT WERE PROBLEM(S):

FIELD PARAMETERS:

Discharge at time of Grabs		cfs
Effluent pH		S.U.
Effluent Temperature		°C

GRAB SAMPLES:

Take grab samples from discharge only!

Grab Samples Taken?	YES	NO
Preservatives added to bottles?	YES	NO

STORM EVENT LOG SHEET

1. Site: BUTLER

Your Name: Tom Siegfried

2. Date: 6-30-00

Time: 2100

SAMPLER PARAMETERS

3. Rainfall: 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.

8. Battery voltage: 12.9 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?**

Restarted

FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Dottle</i>			DATE	<i>7/6/00</i>		
ARRIVAL TIME	<i>710</i>	DEPARTURE TIME	<i>725</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	other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>clean</i> <i>12.9</i> volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>clean</i>
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CELLULAR ANTENNA	YES <input type="radio"/> NO	
PHONE TONE	YES <input type="radio"/> NO	
RAINGAGE (screen, funnel, tipping bucket)	YES <input type="radio"/> NO	
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

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	Duffer Pacific		DATE	7/11/00	
ARRIVAL TIME	918	DEPARTURE TIME	1010		
SAMPLER		SIGMA OR ISCO		MODEL NUMBER	800 900 other
SERVICED BY Ren					

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	See over!
2	
3	

FCD/USGS STORMWATER O&M LOG SHEET

SITE	Dotler Park		DATE	7/18/00	
ARRIVAL TIME	820	DEPARTURE TIME	840	SERVICED BY	(Signature)
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	800	<input checked="" type="radio"/> 900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES NO	13.0 volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES NO	cleaned
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	No phone tone
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="radio"/> YES NO	clear
SAMPLE TUBING (intake, pump, distributor)	<input checked="" type="radio"/> YES NO	Run pump, line 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
2
3

FCD/USGS STORMWATER O&M LOG SHEET

SITE	Dutton Park		DATE	7/25/00	
ARRIVAL TIME	0650	DEPARTURE TIME	0705	SERVICED BY	Allen
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	12.9 volts
SOLAR PANEL CLEAN	YES NO	clean
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

Station Read 0.01 Rain Left Running

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

STORM EVENT LOG SHEET

1. Site: BUTLER

Your Name: TRC/DS

2. Date: 7/31/00

Time: 2100

SAMPLER PARAMETERS

3. Rainfall: 0.01 in

4. Flow: 0.01 cfs

5. Level: 0.069 in

6. Velocity: _____ ft/sec

(1) cleaned solar panels
(2) checked channel

O&M PARAMETERS

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

8. Battery voltage: 12.9 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?

CITRUS

Grovers and 71st Avenues

EQUIPMENT CLEANING CHECKLIST

Site **CITRUS**

Date **10-31-00** Time **21:40**

Serviced By: **Tom Siegfried**

N/A

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.

EQUIPMENT CLEANING CHECKLIST

Site **CITRUS** Battery 13.2v

Date **10-28-00** Time **1608**

Serviced By: **Sutton**

Rain - 1.21", flow - 101 CFS, level - 1805 in, Halt for 72 hrs until 6pm 10-30-00

Yes

Data Downloaded to DTU?

Cell #17 DTU #1

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.

No Deionized H₂O to DECON
Sampler didn't sample during event

EQUIPMENT CLEANING CHECKLIST

Site Citrus

Date 10-22-00 Time 12:35

Serviced By: Siegfried

yes
cell B

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.



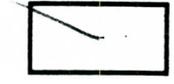
Pump approximately 1/2 gallon tap water through tubing.



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: CITRUS

Your Name: Siegfried

2. Date: 10-22-00

Time: 12:35

SAMPLER PARAMETERS

3. Rainfall: 1.13 in

4. Flow: 0.01 cfs

5. Level: 1.030 in

6. Velocity: 0.20 ft/sec

O&M PARAMETERS

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

8. Battery voltage: 13.2 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?

STORM EVENT LOG SHEET

1. Site: CITRUS

Your Name: Siegfried Sotta

2. Date: 10-21-00

Time: 2000

SAMPLER PARAMETERS

3. Rainfall: > 10 in

1900
start

4. Flow: 0 cfs

5. Level: -301 in

6. Velocity: > 20 ft/sec

O&M PARAMETERS

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

8. Battery voltage: 12.9 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	Citrus Park	DATE	10/16/00	
ARRIVAL TIME	1155	DEPARTURE TIME	1205	SERVICED BY
SAMPLER		<input checked="" type="radio"/> SIGMA OR <input type="radio"/> ISCO	MODEL NUMBER	800 <input type="radio"/> 900 <input checked="" type="radio"/> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	15.0 volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> 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	YES <input type="radio"/> NO	
RAINGAGE (screen, funnel, tipping bucket)	YES <input type="radio"/> NO	
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

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

1	check station solar panels, leave program running. Run pump
2	to bring voltage down to 13.2
3	

EQUIPMENT CLEANING CHECKLIST

Site Citros

Date 10/14/00 Time 12:15

Serviced By: *[Signature]* *[Signature]*

Data Downloaded to DTU?

cell # 9 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.

STORM EVENT LOG SHEET

1. Site: citrus

Your Name: RUN

2. Date: 10/10/00

Time: 755

SAMPLER PARAMETERS

3. Rainfall: 0.08 in

*Sampler waiting on
Ac. of flow*

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: 12.5 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?**

STORM EVENT LOG SHEET

1. Site: CITRUS

Your Name: JRC/JHS

2. Date: 10/8/00

Time: 2215

SAMPLER PARAMETERS

*Reprogrammed for winter.
Checked program.
Restarted.*

3. Rainfall: 0.00 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 **CITRUS** **12.8 volts**

Date **10-7-00** Time **7:19_a**

Serviced By: **Sutton**

Data Downloaded to DTU?

Cell #5 (DTU #1)

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>Citrus Park</i>		DATE	<i>10/2/00</i>	
ARRIVAL TIME	<i>1215</i>	DEPARTURE TIME	<i>1225</i>		
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	800	<input checked="" type="radio"/> 900
			SERVICED BY	<i>[Signature]</i>	

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>14.5 Lower to 13.6</i> v
SOLAR PANEL CLEAN	<input checked="" type="radio"/> 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	YES <input type="radio"/> NO	
RAINGAGE (screen, funnel, tipping bucket)	YES <input type="radio"/> NO	
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 (i
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	<i>Restart program</i>
2	
3	

FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>C. + Rus Park</i>		DATE	<i>9/26/00</i>	
ARRIVAL TIME	<i>1120</i>	DEPARTURE TIME	<i>1130</i>	SERVICED BY	
				<i>(Signature)</i>	
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	<input type="radio"/> 800	<input checked="" type="radio"/> 900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>14.0</i> volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES <input type="radio"/> 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>Program Started 9/19/00</i>
2	
3	

FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Citrus Pestic</i>		DATE	<i>9/19/00</i>	
ARRIVAL TIME	<i>1205</i>	DEPARTURE TIME	<i>1220</i>	SERVICED BY	<i>Reen</i>
SAMPLER	<input checked="" type="radio"/> SIGMA OR <input type="radio"/> ISCO		MODEL NUMBER	<i>800</i>	<input checked="" type="radio"/> 900 <input type="radio"/> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>19.0</i> volt
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	<i>check funnel, clean</i>
SAMPLE TUBING (intake, pump, distributor)	YES NO	
CLEANED SAMPLE TUBING (tap, lliquinox, 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, check time on sampler, Good</i>
2	
3	

FCD/USGS STORMWATER O&M LOG SHEET

SITE	Citrus Park		DATE	9/13/00	
ARRIVAL TIME	805	DEPARTURE TIME	820	SERVICED BY	<i>(Signature)</i>
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900 other

EQUIPMENT CHECKED	YES NO	COMMENTS
BATTERY VOLTAGE OK		13.2 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 Put down by central Digama de v S Earth.
2 Battery at 13.2 is good. Was 14.2. No Regulator needed at
3 this time -

FCD/USGS STORMWATER O&M LOG SHEET

SITE	C. + Rus Park		DATE	9/14/00	
ARRIVAL TIME	1150	DEPARTURE TIME	1205	SERVICED BY	[Signature]
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	800 <input checked="" type="radio"/> 900 other	

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	14.2 volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> 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, lliquinox, 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 Statroy, program start 9/11/00 Leave Running.
- 2 Run pump, bring down voltage to 13.2. May install voltage
- 3 Regulator next visit.

FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>C.7Aes</i>		DATE	<i>09/05/00</i>	
ARRIVAL TIME	<i>120</i>	DEPARTURE TIME	<i>130</i>	SERVICED BY	
SAMPLER	<input checked="" type="radio"/> SIGMA <input type="radio"/> OR-ISCO		MODEL NUMBER	800	<input checked="" type="radio"/> 900 <input type="radio"/> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>144</i> volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>Cleaned</i>
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>Check Station</i>
2	
3	

EQUIPMENT CLEANING CHECKLIST

Site **CITRUS PARK**

Date **9-1-00** Time **10:55 am**

Serviced By: **DENNIS STRAHM**

NO

Data Downloaded to DTU?

DONE 8/31/00

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.

DECON 3-BOTTLES
RESTART PROGRAM
CLEAR DIRT & DEBRIS FROM OUTFLOW & RINSE PT CLEAN

EQUIPMENT CLEANING CHECKLIST

Site **CITRUS PARK**

Date **8/31/00** Time **1235**

Serviced By:

cell #2 #3516 Precip 0.68

Data Downloaded to DTU?

1. Halt program

Found Kink in hose by pump, Level .4 to .5 Battery 13.8

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: CITRUS

Your Name: Arnold

2. Date: 8-30-2000

Time: 6:00 pm

SAMPLER PARAMETERS

3. Rainfall: .65 in

4. Flow: .20 cfs

5. Level: 6.80 in

6. Velocity: .20 ft/sec

O&M PARAMETERS

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

1 BOTTLE ONLY

8. Battery voltage: 13.0 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 .20 cfs

11. pH 8.8 su

12. Temperature 26C 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 Citrus Park

Date 8/30/00 Time 0950

Serviced By: (Juer) (Ols)

cell #2

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.

copy data, flush lines, clean bottles and 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.

STORM EVENT LOG SHEET

1. Site: CITRUS

Your Name: BOB NAUD JR (DPS)

2. Date: 8 29 00

Time: 8:09

SAMPLER PARAMETERS

3. Rainfall: 0.38 in

4. Flow: 0.07 cfs

5. Level: 3.160 in

6. Velocity: 0.20 ft/sec

O&M PARAMETERS

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

8. Battery voltage: 13 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 0.06 cfs

11. pH 8 su

12. Temperature 25.5 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	Citrus Park		DATE	08/28/00	
ARRIVAL TIME	835	DEPARTURE TIME	845	SERVICED BY	[Signature]
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	13.4 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 0.00.
2	
3	

FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Citrus Park</i>		DATE	<i>08/28/00</i>	
ARRIVAL TIME	<i>925</i>	DEPARTURE TIME	<i>935</i>	SERVICED BY	<i>Ran</i>
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	800	<input checked="" type="radio"/> 900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	<i>12.8</i> volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES NO	<i>cleaned</i>
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> 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 0.01</i>
2	
3	

STORMWATER O&M LOG SHEET

SITE	CITRUS		DATE	8/21/00	
ARRIVAL TIME	1700	DEPARTURE TIME	1730	SERVICED BY	JRC & DPS
SAMPLER	SIGMA QR ISCO		MODEL NUMBER	800	900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	13.4 volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CELLULAR ANTENNA	<input type="radio"/> YES <input type="radio"/> NO	N/A
PHONE TONE	<input checked="" type="radio"/> YES <input type="radio"/> NO	N/A (NO PHONE TO CHECK WITH)
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="radio"/> YES <input type="radio"/> NO	
SAMPLE TUBING (intake, pump, distributor)	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	<input type="radio"/> YES <input checked="" type="radio"/> NO	
CALIBRATED DEPTH SENSOR	<input type="radio"/> YES <input checked="" type="radio"/> NO	depth (in)
CALIBRATED SAMPLE VOLUME	<input type="radio"/> YES <input checked="" type="radio"/> NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.
1. TEFLON LINING MAY BE SEPERATING; FLUSH LINES NEXT VISIT
2. NO RAINFALL SINCE LAST DOWNLOAD. RAIN = 0.00 in.
3. RESTARTED SAMPLER.

FCD/USGS STORMWATER O&M LOG SHEET

SITE	Citrus Park		DATE	8/17/00	
ARRIVAL TIME	915	DEPARTURE TIME	930	SERVICED BY	<i>[Signature]</i>
SAMPLER	<input checked="" type="radio"/> SIGMA <input type="radio"/> OR ISCO		MODEL NUMBER	800	<input checked="" type="radio"/> 900 <input type="radio"/> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	13.5 volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	clean output 17.4
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)	YES <input type="radio"/> NO	
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

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>check solar panel output, phone.</i>
2	
3	

STORM EVENT LOG SHEET

1. Site: Citros

Your Name: Kevin

2. Date: 08/12/00

Time: 7 45 PM

SAMPLER PARAMETERS

3. Rainfall: 0.54 in

4. Flow: _____ cfs

5. Level: 0.989 in

6. Velocity: 0.20 ft/sec

No Rain fall at this

time. Review data

No samples

Review from 8/12/00 back
to Aug 1st.

Re Start program

O&M PARAMETERS

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

8. Battery voltage: 13.2 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	Cottles Park		DATE	8/8/00	
ARRIVAL TIME	8:30	DEPARTURE TIME	8:50	SERVICED BY	
SAMPLER		<input checked="" type="radio"/> SIGMA OR ISCO	MODEL NUMBER	800	<input checked="" type="radio"/> 900
				<input checked="" type="radio"/>	other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	13.3 volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CABLES AND CONNECTIONS GOOD	<input type="radio"/> YES <input type="radio"/> NO	
CELLULAR ANTENNA	<input type="radio"/> YES <input type="radio"/> NO	
PHONE TONE	<input checked="" type="radio"/> YES <input type="radio"/> NO	Good Rehang wires
RAINGAGE (screen, funnel, tipping bucket)	<input type="radio"/> YES <input type="radio"/> NO	
SAMPLE TUBING (intake, pump, distributor)	<input type="radio"/> YES <input type="radio"/> NO	
CLEANED SAMPLE TUBING (tap, liquiniox, tap, nitric, DI)	<input type="radio"/> YES <input type="radio"/> NO	
CALIBRATED DEPTH SENSOR	<input type="radio"/> YES <input type="radio"/> NO	depth (in)
CALIBRATED SAMPLE VOLUME	<input type="radio"/> YES <input type="radio"/> NO	ml

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

STORM EVENT LOG SHEET

1. Site: CITRUS Your Name: JRC/AMB/ASD
2. Date: 8/2/00 Time: 0056

SAMPLER PARAMETERS

3. Rainfall: 0.20 in 0.52 - 0.32 = 0.20
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.
runoff too quick, sampler did not activate
0 bottles full

8. Battery voltage: 12.9 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 not measured _____ su
12. Temperature 28 _____ deg. C

GRAB SAMPLES Take grabs from discharge only!

13. Grab samples taken? Yes or No? 0120
14. Preservatives added to bottles? Yes or No?

FCD/USGS STORMWATER O&M LOG SHEET

SITE	Citrus Pacific		DATE	5/15/00	
ARRIVAL TIME	1910	DEPARTURE TIME	1935	SERVICED BY	NCCW
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800 900 other	

EQUIPMENT CHECKED	YES NO	COMMENTS
BATTERY VOLTAGE OK		13.0 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 Checksite, 0.32 reading, NO samples yet, Program running.
2 check drain, some flow, 0.07 reading.
3 clearing up, Storms moving East 1930 PM

FCD/USGS STORMWATER O&M LOG SHEET

SITE	Citrus Park		DATE	8/2/00	
ARRIVAL TIME	730	DEPARTURE TIME	745	SERVICED BY	
SAMPLER		SIGMA OR SC		MODEL NUMBER	<input checked="" type="radio"/> 800 <input checked="" type="radio"/> 900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	13.2 volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	okay -
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CELLULAR ANTENNA	YES <input type="radio"/> NO	
PHONE TONE	YES <input type="radio"/> NO	
RAINGAGE (screen, funnel, tipping bucket)	YES <input type="radio"/> NO	
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

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.
1 Remove Sediment and trash from drain pipe. Clear
2 intake Line and P.T.
3

FCD/USGS STORMWATER O&M LOG SHEET

SITE	CITRUS		DATE	7/31/00	
ARRIVAL TIME	1940	DEPARTURE TIME	SERVICED BY		JRC/DS
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900 <small>other</small>

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	13.1 volts
SOLAR PANEL CLEAN	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CABLES AND CONNECTIONS GOOD	<input type="checkbox"/> YES <input type="checkbox"/> NO	
CELLULAR ANTENNA	<input type="checkbox"/> YES <input type="checkbox"/> NO	
PHONE TONE	<input type="checkbox"/> YES <input type="checkbox"/> NO	
RAINGAGE (screen, funnel, tipping bucket)	<input type="checkbox"/> YES <input type="checkbox"/> NO	
SAMPLE TUBING (intake, pump, distributor)	<input type="checkbox"/> YES <input type="checkbox"/> NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	<input type="checkbox"/> YES <input type="checkbox"/> NO	
CALIBRATED DEPTH SENSOR	<input type="checkbox"/> YES <input type="checkbox"/> NO	depth (in)
CALIBRATED SAMPLE VOLUME	<input type="checkbox"/> YES <input type="checkbox"/> NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	Need to clear debris from outfall. Intake tubing
2	buried.
3	

STORM EVENT LOG SHEET

1. Site: CITRUS Your Name: JRC/DS

2. Date: 7/31/00 Time: 1940

SAMPLER PARAMETERS

3. Rainfall: 0.09 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.

criteria not met for sampler

8. Battery voltage: 13.1 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	CITRUS Park		DATE	7/25/00	
ARRIVAL TIME	835	DEPARTURE TIME	845	SERVICED BY	HARRIS
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	13.0 volts
SOLAR PANEL CLEAN	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CELLULAR ANTENNA	YES <input type="checkbox"/> NO	
PHONE TONE	YES <input type="checkbox"/> NO	
RAINGAGE (screen, funnel, tipping bucket)	YES <input type="checkbox"/> NO	
SAMPLE TUBING (intake, pump, distributor)	YES <input type="checkbox"/> NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES <input type="checkbox"/> NO	
CALIBRATED DEPTH SENSOR	YES <input type="checkbox"/> NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES <input type="checkbox"/> 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	Citrus Park		DATE	07/18/00	
ARRIVAL TIME	12:15	DEPARTURE TIME	2:10	SERVICED BY	
SAMPLER		SIGMA OR ISCO		MODEL NUMBER	800 900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	13.1 volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	See below (clean)
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES <input type="radio"/> 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 Two Solar Panels destroyed. Return to office, fabricate new

2 Solar Panel protective cover. weld, paint. Install over new

3 Solar Panel. Solder wires and check. @Kay

(Signature)

FCD/USGS STORMWATER O&M LOG SHEET

SITE	Citrus Park		DATE	7/18/00		
ARRIVAL TIME	855	DEPARTURE TIME	915	SERVICED BY	Pum	
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900	other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	13.0 volts
SOLAR PANEL CLEAN	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	Broken, both solar panels destroyed Set repair and replacement
CABLES AND CONNECTIONS GOOD	<input type="checkbox"/> YES <input type="checkbox"/> NO	
CELLULAR ANTENNA	<input type="checkbox"/> YES <input type="checkbox"/> NO	
PHONE TONE	<input type="checkbox"/> YES <input type="checkbox"/> NO	
RAINGAGE (screen, funnel, tipping bucket)	<input type="checkbox"/> YES <input type="checkbox"/> NO	
SAMPLE TUBING (intake, pump, distributor)	<input type="checkbox"/> YES <input type="checkbox"/> NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	<input type="checkbox"/> YES <input type="checkbox"/> NO	
CALIBRATED DEPTH SENSOR	<input type="checkbox"/> YES <input type="checkbox"/> NO	depth (in)
CALIBRATED SAMPLE VOLUME	<input type="checkbox"/> YES <input type="checkbox"/> 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>Citrus</i>		DATE	<i>7/6/00</i>	
ARRIVAL TIME	<i>740</i>	DEPARTURE TIME	<i>750</i>	SERVICED BY	<i>(Signature)</i>
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	800 <input checked="" type="radio"/> 900	other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>13.2</i> volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>clean</i>
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
2
3

STORM EVENT LOG SHEET

1. Site: CITRUS

Your Name: Tom Siegfried

2. Date: 6-30-00

Time: 2000

SAMPLER PARAMETERS

3. Rainfall: 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.

8. Battery voltage: 13.2 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?**

Restarted

STORM EVENT LOG SHEET

area composite,
No rain yet. 0.0 in
Restarted.

SITE:	CITRUS
--------------	--------

DATE:	6/29/00	TIME:	2100
--------------	---------	--------------	------

DID EQUIPMENT OPERATE PROPERLY DURING EVENT: YES NO

IF NO, WHAT WERE PROBLEM(S):

FIELD PARAMETERS:

Discharge at time of Grabs		cfs
-----------------------------------	--	------------

Effluent pH		S.U.
--------------------	--	-------------

Effluent Temperature		°C
-----------------------------	--	-----------

GRAB SAMPLES:

Take grab samples from discharge only!

Grab Samples Taken?

YES NO

Preservatives added to bottles?
--

YES NO

FCD/USGS STORMWATER O&M LOG SHEET

SITE	C: F105		DATE	6/29/00	
ARRIVAL TIME	950	DEPARTURE TIME	SERVICED BY		
		1620	J. COO		
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900
					other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	13.3 volts
SOLAR PANEL CLEAN	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CABLES AND CONNECTIONS GOOD	<input type="checkbox"/> YES <input type="checkbox"/> NO	
CELLULAR ANTENNA	<input type="checkbox"/> YES <input type="checkbox"/> NO	
PHONE TONE	<input type="checkbox"/> YES <input type="checkbox"/> NO	
RAINGAGE (screen, funnel, tipping bucket)	<input type="checkbox"/> YES <input type="checkbox"/> NO	
SAMPLE TUBING (intake, pump, distributor)	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CALIBRATED DEPTH SENSOR	<input type="checkbox"/> YES <input type="checkbox"/> NO	depth (in)
CALIBRATED SAMPLE VOLUME	<input type="checkbox"/> YES <input type="checkbox"/> NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	Flush and clean intake line, wash bottles 1 + 1/2
2	Left running.
3	

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

CITRUS		6/22/00	
940	950	RWN/JRC	
900		-	
		-	

	YES NO	GOOD FAIR POOR	YES NO	YES NO	NOTES
BATTERY VOLTAGE	<input checked="" type="radio"/> YES <input type="radio"/> NO	GOOD FAIR POOR	YES NO	YES NO	12.9 volts
SOLAR PANEL	<input checked="" type="radio"/> YES <input type="radio"/> NO N/A	<input checked="" type="radio"/> GOOD FAIR POOR	YES <input checked="" type="radio"/> NO	YES <input checked="" type="radio"/> NO	
Cables / Connections	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input checked="" type="radio"/> GOOD FAIR POOR	YES <input checked="" type="radio"/> NO	YES <input checked="" type="radio"/> NO	
Raingage / Funnel / Screen	YES <input checked="" type="radio"/> NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES <input checked="" type="radio"/> NO	GOOD FAIR POOR	YES NO	YES NO	
CLEANED SAMPLE INTAKE TUBING	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input checked="" type="radio"/> GOOD FAIR POOR	<input checked="" type="radio"/> N/A	<input checked="" type="radio"/> N/A	
CALIBRATE SAMPLE VOLUME	YES <input checked="" type="radio"/> NO	GOOD FAIR POOR	N/A	N/A	mL

NOTES / ACTIONS Decon bottles + tubing (2 bottles were full)
Restart. Phone tone.

STORM EVENT LOG SHEET

1. Site: C. Flores

Your Name: Plum

2. Date: 6/28/00

Time: 950 pm

SAMPLER PARAMETERS

3. Rainfall: 0.10 in

4. Flow: 20 cfs

5. Level: 0.48 in

6. Velocity: 4.31 ft/sec

O&M PARAMETERS

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

8. Battery voltage: 13.1 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 39 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	CITRUS		DATE	6/27/00	
ARRIVAL TIME	1330	DEPARTURE TIME	1340	SERVICED BY	RWH/jra
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	<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	13.4 volts
SOLAR PANEL	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<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	
Cables / Connections	<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 / Funnel / Screen	<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	
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	N/A	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	N/A	N/A	mL

NOTES / ACTIONS 0.17 in rainfall } 6/23 @ 2200
776 cf }

Note: ALERT gages in vicinity registered 0.0 in. rainfall 6/23/00. Rerouted.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	C. + Mrs Park		DATE	6/23/00
ARRIVAL TIME	9:35	DEPARTURE TIME	1000	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 receiver program. Clean Solar Panels*
Restart program Found EMOS in program arrow not all in one
section connected. (Signature)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	CITRUS		DATE	6/22/00	
ARRIVAL TIME	1015	DEPARTURE TIME	SERVICED BY		JRC / CFK / RWN
SAMPLER MODEL NUMBER		900 Max		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 checked="" type="checkbox"/> YES <input type="checkbox"/> NO N/A	<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	
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 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	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	N/A	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	N/A	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	N/A	N/A	

NOTES / ACTIONS

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	<i>Citrus Park</i>		DATE	<i>6/20/00</i>
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY	
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, storm coming into area. check down, battery power. sampler set for operation. clean solar panels. Enter information into station book. Storm went west of station. check program and restart.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	CITRUS		DATE	6/6/00	
ARRIVAL TIME	1230	DEPARTURE TIME	1240	SERVICED BY	RWN/JRC
SAMPLER MODEL NUMBER	900 MAX		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 Reprogrammed sampler (Items 36 and 63).
Restarted sampler. Reviewed all items.

EQUIPMENT CLEANING CHECKLIST

Site **CITRUS**

Date **6/6/00** Time **1035**

Serviced By: **PWM / JRC / TGW**

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	CITRUS		DATE	6/6/00	
ARRIVAL TIME	1000	DEPARTURE TIME	1035	SERVICED BY	RWH/JRC/TGM
SAMPLER MODEL NUMBER	900 Max		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	13.4 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 <i>removed avian fecal material from screen</i>	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	5.2 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	480 mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS

PT cal to 5.2 "

Volume manual cal 450 ml pumped

Pumped Grab sample to check 480 ml

OK

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

WATER QUALITY SAMPLER NO.	Site No: <i>Bas 10</i>		DATE	<i>05/31/00</i>	
ARRIVAL TIME	OPERATOR	STATION	WATER QUALITY SAMPLER NO.		
WATER QUALITY SAMPLER NO.			WATER QUALITY SAMPLER NO.		
WATER QUALITY SAMPLER NO.			WATER QUALITY SAMPLER NO.		

	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	
BATTERY VOLTAGE										<i>13.6</i> 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 stations, battery, clean solar panels*

(Handwritten signature)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Citrus Park	DATE	05/23/00
OPERATOR		INSTRUMENT	
PROJECT		INSTRUMENT MODEL	
PROJECT NUMBER		INSTRUMENT SERIAL NUMBER	

	YES	NO	YES	NO	NOT
BATTERY VOLTAGE	YES NO	G000 FAIR PCCR	YES NO	YES NO	15.4 volts
SOLAR PANEL	YES NO N/A	G000 FAIR PCCR	YES NO	YES NO	
CONNECTION CABLES	YES NO	G000 FAIR PCCR	YES NO	YES NO	
RAINGAGE	YES NO	G000 FAIR PCCR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	G000 FAIR PCCR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	G000 FAIR PCCR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	G000 FAIR PCCR	YES NO	YES NO	
DEPTH SENSOR	YES NO	G000 FAIR PCCR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	G000 FAIR PCCR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	G000 FAIR PCCR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	G000 FAIR PCCR	N/A	N/A	

NOTES/ACTIONS check site, perform pump test @ Kay @ lean solar panels.

(Signature)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Citrus Park	DATE	05/18/00
BATTERY		STATUS	Good
WATER QUALITY SAMPLER		MODEL NUMBER	
WATER QUALITY SAMPLER		MANUFACTURER	

	YES	NO	GOOD	FAIR	PCCR	YES	NO	YES	NO	NOTE
BATTERY VOLTAGE	YES	NO	GOOD	FAIR	PCCR	YES	NO	YES	NO	13.6 volts
SOLAR PANEL	YES	NO	GOOD	FAIR	PCCR	YES	NO	YES	NO	
CONNECTION CABLES	YES	NO	GOOD	FAIR	PCCR	YES	NO	YES	NO	
RAINGAGE	YES	NO	GOOD	FAIR	PCCR	YES	NO	YES	NO	
SAMPLE INTAKE TUBING	YES	NO	GOOD	FAIR	PCCR	YES	NO	YES	NO	length (feet)
SAMPLER PUMP TUBING	YES	NO	GOOD	FAIR	PCCR	YES	NO	YES	NO	
SAMPLER DISTRIBUTOR TUBING	YES	NO	GOOD	FAIR	PCCR	YES	NO	YES	NO	
DEPTH SENSOR	YES	NO	GOOD	FAIR	PCCR	YES	NO	YES	NO	depth (Inch)
CAL BRATE DEPTH SENSOR	YES	NO	GOOD	FAIR	PCCR	N/A		N/A		
CAL BRATE SAMPLE VOLUME	YES	NO	GOOD	FAIR	PCCR	N/A		N/A		mL
CLEANED SAMPLE INTAKE TUBING	YES	NO	GOOD	FAIR	PCCR	N/A		N/A		

NOTES ACTIONS check site, Battery 13.6 clean solar panels

Good

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Citrus Park	DATE	05/08/00
ARRIVAL TIME		DEPARTURE TIME	
SAMPLER PUMP NUMBER		SAMPLER SERIAL NUMBER	
OPERATOR NUMBER		TECHNICIAN SERIAL NUMBER	

	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	NOTE
BATTERY VOLTAGE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13.6 volts
SOLAR PANEL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>						
CONNECTION CABLES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RAINGAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SAMPLE INTAKE TUBING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	length (feet)
SAMPLER PUMP TUBING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SAMPLER DISTRIBUTOR TUBING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
DEPTH SENSOR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	depth (inch)
CALIBRATE DEPTH SENSOR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CALIBRATE SAMPLE VOLUME	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	mL
CLEANED SAMPLE INTAKE TUBING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

NOTES/ACTIONS check site, clean solar panels, Restart program

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	<i>Citrus Park</i>	DATE	<i>05/01/00</i>
BATTERY		STATUS	<i>clean</i>
WATER QUALITY		WATER QUALITY	
WATER QUALITY		WATER QUALITY	

	CHECK	CONDITION	YES	NO	NOTE
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input 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 type="checkbox"/> NO	<i>13.8</i> volts
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	
CONNECTION CABLES	<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	<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	
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"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	length (feet)
SAMPLER PUMP 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	
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	
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)
CAL BRATE 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"/> N/A	<input type="checkbox"/> N/A	
CAL BRATE 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
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	

NOTES/ACTIONS *check site, Battery and drain:*

clean

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	C. + Nos Park		DATE	04/24/00
ARRIVAL TIME		DEPARTURE TIME		<i>clean</i>
WARRANTY NUMBER		MANUFACTURER'S SERIAL NUMBER		
DISTRIBUTOR'S SERIAL NUMBER		MANUFACTURER'S SERIAL NUMBER		

	CHECKED	STATUS	YES	NO	NOTE
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	13.4 volts
SOLAR PANEL <i>clean</i>	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 site, channel/drain. Battery.*

clean

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

DATE	Citrus Park	DATE	04/13/00
PARVAZ		DEFAULT	
ALBERT		ALBERT	
ALBERT		ALBERT	

	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	NOTE
BATTERY VOLTAGE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	13.1 volts					
SOLAR PANEL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>						
CONNECTION CABLES	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>						
RAINGAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>						
SAMPLE INTAKE TUBING	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	length (feet)					
SAMPLER PUMP TUBING	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>						
SAMPLER DISTRIBUTOR TUBING	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>						
DEPTH SENSOR	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	depth (Inch)					
CALBRATE DEPTH SENSOR	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>						
CALBRATE SAMPLE VOLUME	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	mL					
CLEANED SAMPLE INTAKE TUBING	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>						

NOTES: ACTIONS *Check site, drain and Battery, clean Solar panels*

Plus

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	<i>C. F. Pos Park</i>	DATE	<i>04/10/00</i>
PARCEL		DEPARTMENT	<i>(Signature)</i>
PROJECT NUMBER		INSTRUMENT SERIAL NUMBER	
DEPARTMENTAL SERIAL NUMBER		PROJECT SERIAL NUMBER	

	YES	NO	GOOD	FAIR	PCCR	YES	NO	YES	NO	NOTE
BATTERY VOLTAGE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<i>13.6 volts</i>					
SOLAR PANEL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>						
CONNECTION CABLES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RAINGAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SAMPLE INTAKE TUBING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>length (feet)</i>
SAMPLER PUMP TUBING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SAMPLER DISTRIBUTOR TUBING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
DEPTH SENSOR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>depth (Inch)</i>
CALIBRATE DEPTH SENSOR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CALIBRATE SAMPLE VOLUME	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<i>mL</i>
CLEANED SAMPLE INTAKE TUBING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

NOTES: ACTIONS *Check site, Battery 13.6 good clean solar panels*

(Signature)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

GPS SITE	Citrus Park		DATE	04/04/00
ARRIVAL TIME	DEPARTURE TIME	SERVICED BY <i>(New)</i>		
SAMPLER MODEL NUMBER		SAMPLER SERIAL NUMBER		
SERIAL NUMBER / ASSET NUMBER		SAMPLER SERIAL NUMBER		

	OPERATIONAL	CONTACT			NOTE
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	13.9 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 Rain 0.03 Velocity 0.20*
Battery check, clean solar panels
(New)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Citrus Park	DATE	03/30/08
PARMETER		OPERATOR	leen
WARRANTY		WARRANTY NUMBER	
WARRANTY		WARRANTY NUMBER	

	OPERATOR	STATUS	YES	NO	NOTES
BATTERY VOLTAGE	leen	GOOD FAIR POOR	YES NO	YES NO	13.7 volts
SOLAR PANEL	leen	GOOD FAIR POOR	YES NO N/A	YES NO	
CONNECTION CABLES		GOOD FAIR POOR	YES NO	YES NO	
RAIN GAGE		GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING		GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING		GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING		GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR		GOOD FAIR POOR	YES NO	YES NO	depth (Inch)
CALIBRATE DEPTH SENSOR		GOOD FAIR POOR	YES NO	N/A	N/A
CALIBRATE SAMPLE VOLUME		GOOD FAIR POOR	YES NO	N/A	N/A
CLEANED SAMPLE INTAKE TUBING		GOOD FAIR POOR	YES NO	N/A	N/A

NOTES: ACTIONS Check site, rain recorder 0.07, Clean solar panels, restart program

leen

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

STATION SITE	Citties Park		DATE	03/28/00
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY	<i>Alan</i>
SAMPLER HOOP NUMBER			WATER SERIAL SERIAL NUMBER	
SYSTEM NUMBER ASSET NUMBER			LOGGING SERIAL ASSET NUMBER	

	CHECKED DATE	CONDITION	REMARKS	REMARKS	REMARKS	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 *check Station rain 0107 at 1100 No Samples*

Battery at 13.5

Alan

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Citrus Park		DATE	03/27/00
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY	Allen
SAMPLER MODEL NUMBER			AVL SERIAL NUMBER	
INSTRUMENT NUMBER / SERIAL NUMBER			AVL SERIAL NUMBER	

	CHECKED / CALIBRATED	CONTR.			NOTE
BATTERY VOLTAGE	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	
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, Battery 13.8 clean Solar Panels

Allen

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

WATER QUALITY SAMPLER SITE	C17A05	DATE	03/20/00
ARRIVAL TIME		DEPARTURE TIME	
SAMPLER MODEL NUMBER		NAME / SERIAL / S/N NUMBER	
PT SERIAL NUMBER / ASSET NUMBER		TAING / SERIAL / ASSET NUMBER	

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPAIRS	REPLACEMENTS	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	13.4 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	0.125 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 1.0m
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	YES NO	N/A	

NOTES: ASTDND check station and battery
stein

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

STATION	C-4 Res Part 2	DATE	03/14/00
ARRIVAL TIME		DEPARTURE TIME	
OPERATOR		ASSISTANT	
WATER QUALITY		WATER QUALITY	

	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 Clean Drain pipe remove sediment and gudge
from pipe.
(Signature)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

CHECKS FROM SITE	Citrus Peak	DATE	03/13/00
ARRIVAL TIME	DEPARTURE TIME	SERVICED BY	Reen
SAMPLER MODEL NUMBER	SAMPLER SERIAL ASSET NUMBER	RAINGAGE SERIAL ASSET NUMBER	
PT SERIAL NUMBER ASSET NUMBER			

	CHECKED / SERVICED / CALIBRATED	CONDITION	DEPTH	VOLUME	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	13.5 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	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 Return clean bottles, clear solar panels. ReStart program. Will clean pipe next run

(Reen)

EQUIPMENT CLEANING CHECKLIST

Site **CITRUS**

Date **3/9/00** Time **1330 - 1355**

Serviced By: **JRC/TGJ**

YES

Data Downloaded to DTU?

#19

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	C17205			DATE	3/9/00			
ARRIVAL TIME	1325	DEPARTURE TIME	1355	SERVICED BY		JRC/TGW		
SAMPLER MODEL NUMBER	900 MAX			SAMPLER SERIAL/ ASSET NUMBER				
PT SERIAL NUMBER/ ASSET NUMBER				RAINGAGE SERIAL/ ASSET NUMBER				
4 bottles full 4 bottles < 1/2" 2" in base				RAIN 2.13 in FLOW 0.00 cfs LEVEL 0.404 in VELOCITY 0.20 fps				
				CHECKED/ SERVICED/ CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE				YES NO	GOOD FAIR POOR	YES NO	YES NO	13.3 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 (1) PT buried in mud - need to clear mud/debris;
 (2) gate bolted shut cannot access pipe; (3) downloaded data;
 (4) decon tubing; (5) checked raingage funnel - clear;
 (6) restart sampler.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

DATE	Citrus Park	TIME	03/05/00
ARRIVAL TIME		DEPARTURE TIME	
SAMPLER MODEL NUMBER		SAMPLER SERIAL NUMBER	
OPERATOR NAME		OPERATOR 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	
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 int, one bottle sampled. Rain 0.42
Copy data to depth #5 level 1.413 in
Put ice in sampler flow 0.02 CFS
 velocity 0.20 FFS
clean bottle, flush line, restart program

EQUIPMENT CLEANING CHECKLIST

Site Citrus Park

Date 03/05/00 Time 0905

Serviced By: Alan JHG

Date rec'd # 5

clean bottle

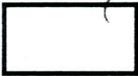


Data Downloaded to DTU?

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	<i>Citrus Park</i>	DATE	<i>02/29/00</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 station battery, clean solar panels*

(Signature)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Citrus Park		DATE	02/22/00
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY	<i>RCW</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, copy data cell #2. Rain 0.13*

No sample taken. Empty see from base, clean solar panel.

RCW

STORM EVENT LOG SHEET

SITE:	CITRUS
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DATE:	2/21/00	TIME:	1645
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DID EQUIPMENT OPERATE PROPERLY DURING EVENT: YES NO

IF NO, WHAT WERE PROBLEM(S):

① Funnel clear. Iced sampler. Restarted sampler.

② 2/21/00 1835

Trickle only from pipe. No grates collected.

FIELD PARAMETERS:

Discharge at time of Grabs	12.9 0.06	V in	} 1835
Effluent pH	0.04	cfs	
Effluent Temperature		s.u.	
		°C	

GRAB SAMPLES:

Take grab samples from discharge only!

Grab Samples Taken?

YES

NO

Preservatives added to bottles?

YES

NO

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

STATION	Cittles Park	DATE	1-25-00
OPERATOR		TECHNICAL SUPERVISOR	(Signature)
PROJECT		PROJECT NUMBER	
LOCATION		SECTION NUMBER	

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	134 volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	clean
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, clean solar panels

(Signature)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

	C. Mes Park		1-11-2000
			JRC/RVM/KFK/TGW

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE	<input checked="" type="radio"/> <input type="radio"/>	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>	<input checked="" type="radio"/> <input type="radio"/>	<input checked="" type="radio"/> <input type="radio"/>	13.2 volts
SOLAR PANEL	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>	YES <input checked="" type="radio"/> <input type="radio"/>	YES <input checked="" type="radio"/> <input type="radio"/>	
CONNECTION CABLES	<input checked="" type="radio"/> <input type="radio"/>	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>	YES <input checked="" type="radio"/> <input type="radio"/>	YES <input checked="" type="radio"/> <input type="radio"/>	
RAINGAGE	<input checked="" type="radio"/> <input type="radio"/>	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>	YES <input checked="" type="radio"/> <input type="radio"/>	YES <input checked="" type="radio"/> <input type="radio"/>	
SAMPLE INTAKE TUBING	<input checked="" type="radio"/> <input type="radio"/>	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>	YES <input checked="" type="radio"/> <input type="radio"/>	YES <input checked="" type="radio"/> <input type="radio"/>	length (feet)
SAMPLER PUMP TUBING	<input checked="" type="radio"/> <input type="radio"/>	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>	YES <input checked="" type="radio"/> <input type="radio"/>	YES <input checked="" type="radio"/> <input type="radio"/>	
SAMPLER DISTRIBUTOR TUBING	<input checked="" type="radio"/> <input type="radio"/>	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>	YES <input checked="" type="radio"/> <input type="radio"/>	YES <input checked="" type="radio"/> <input type="radio"/>	
DEPTH SENSOR	<input checked="" type="radio"/> <input type="radio"/>	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>	YES <input checked="" type="radio"/> <input type="radio"/>	YES <input checked="" type="radio"/> <input type="radio"/>	depth (Inch)
CALIBRATE DEPTH SENSOR	<input checked="" type="radio"/> <input type="radio"/>	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>	N/A	N/A	
CALIBRATE SAMPLE VOLUME	<input checked="" type="radio"/> <input type="radio"/>	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>	N/A	N/A	mL
CLEANNED SAMPLE INTAKE TUBING	<input checked="" type="radio"/> <input type="radio"/>	<input checked="" type="radio"/> <input type="radio"/> <input type="radio"/>	N/A	N/A	

NOTES/ACTIONS Calibrate sensors, clean around PT, Flush lines
Clean solar panels. Everything good. Checked raingage -OK.

INDPK New River between Glendale and Northern Ave

EQUIPMENT CLEANING CHECKLIST

Site **INDUSTRIAL PARK**

Date **10-31-00** Time **20:10**

Serviced By: **Tom Siegfried**

N/A

Data Downloaded to DTU?

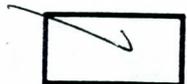
1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
4. On 900 models, press the Pump Operation key and then the select Purge.
5. Follow the steps below and check each as it is done.



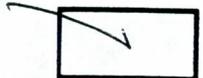
Pump approximately 1/2 gallon tap water through tubing.



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.

EQUIPMENT CLEANING CHECKLIST

Site Industrial Battery 12.24

Date 10-28-00 Time 1512

Serviced By: Sutton

Rainfall 1.32", Halt for 72 hrs until 0800 10-31-00

Yes

Data Downloaded to DTU?

Cell # 12 DTU # 1

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.

No Deionized H₂O to Decon
Inlet needs to be cleared of Debris
Sampler functioned during event

EQUIPMENT CLEANING CHECKLIST

Site **INDUSTRIAL PARK**

Date **10-22-00** Time **1430**

Serviced By: **Siegfried**

yes
71

Data Downloaded to DTU?

cell 15

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: END. PARK

Your Name: Siegfried

2. Date: 10-22-00

Time: 1450

SAMPLER PARAMETERS

3. Rainfall: 1.23 in

4. Flow: 0.01 cfs

5. Level: 720 in

6. Velocity: 20 ft/sec

O&M PARAMETERS

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

8. Battery voltage: 12.5 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?

STORM EVENT LOG SHEET

1. Site: Industrial Park Your Name: Sutton-Siegfried
2. Date: 10-21-00 Time: 1830

SAMPLER PARAMETERS

3. Rainfall: .12 in
4. Flow: .02 cfs
5. Level: 1.251 in
6. Velocity: .20 ft/sec

1542
START

O&M PARAMETERS

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

8. Battery voltage: 12.6 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	Industrial Park			DATE	10/16/00		
ARRIVAL TIME	1250	DEPARTURE TIME	100	SERVICED BY	(Signature)		
SAMPLER	SIGMA OR ISCO			MODEL NUMBER	800	900	other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	14.0 volt
SOLAR PANEL CLEAN	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CELLULAR ANTENNA	<input type="checkbox"/> YES <input type="checkbox"/> NO	
PHONE TONE	<input type="checkbox"/> YES <input type="checkbox"/> NO	
RAINGAGE (screen, funnel, tipping bucket)	<input type="checkbox"/> YES <input type="checkbox"/> NO	
SAMPLE TUBING (intake, pump, distributor)	<input type="checkbox"/> YES <input type="checkbox"/> NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	<input type="checkbox"/> YES <input type="checkbox"/> NO	
CALIBRATED DEPTH SENSOR	<input type="checkbox"/> YES <input type="checkbox"/> NO	depth (in)
CALIBRATED SAMPLE VOLUME	<input type="checkbox"/> YES <input type="checkbox"/> NO	ml

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

1	check station, Battery down to 12.5 leave program running
2	Do PIST test, okay
3	

EQUIPMENT CLEANING CHECKLIST

Site Industrial Park

Date 10/10/00 Time 2:20 pm

Serviced By: (Plew)

Copy data, 10/11/00 clean solar panels Battery 12.6

~~NO~~

Data Downloaded to DTU?

Cell # 11 Time 12:50 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.

*Note: A Monitor Read 0.10 at Recheck no samples Flow bank to bank 0.11
Diffus .09 -*

STORM EVENT LOG SHEET

1. Site: Industrial

Your Name: PLW

2. Date: 10/10/00

Time: 8:30

SAMPLER PARAMETERS

3. Rainfall: 0.29 in

4. Flow: 0.08 cfs

5. Level: 3.197 in

6. Velocity: 0.20 ft/sec

O&M PARAMETERS

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

8. Battery voltage: 12.6 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 10 _____ 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: IND PK

Your Name: JRC/JHS

2. Date: 10/8/00

Time: 2030

*Reprogrammed for winter,
checked program. Restarted.
Channel clear.*

SAMPLER PARAMETERS

3. Rainfall: 0.00 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 Industrial Park 12.7 volts

Date 10-7-00 Time 8:20A

Serviced By: Sutton

Data Downloaded to DTU?

Cell #7 (ISTM #1)

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	Industry Park			DATE	10/2/00		
ARRIVAL TIME	1125	DEPARTURE TIME	1135	SERVICED BY	<i>Allen</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	<input checked="" type="radio"/> YES <input type="radio"/> NO	130 volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES <input type="radio"/> 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, 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>Re Start program</i>
2	
3	

FCD/USGS STORMWATER O&M LOG SHEET

SITE	Industrial Park		DATE	9/24/00	
ARRIVAL TIME	10:35	DEPARTURE TIME	10:45	SERVICED BY	New
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	13.0 volts
SOLAR PANEL CLEAN	<input checked="" type="checkbox"/> YES NO	clean
CABLES AND CONNECTIONS GOOD	<input checked="" type="checkbox"/> 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	Program started 9/19/00
2	
3	

FCD/USGS STORMWATER O&M LOG SHEET

SITE	Industrial Park		DATE	9/19/00		
ARRIVAL TIME	1115	DEPARTURE TIME	1130	SERVICED BY	(Signature)	
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900	other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	13.0 volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	clean
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	YES NO	
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="radio"/> YES <input type="radio"/> NO	change 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 check time on sampler, good, restart program
2
3

FCD/USGS STORMWATER O&M LOG SHEET

SITE	Industrial Park		DATE	9/13/00	
ARRIVAL TIME	855	DEPARTURE TIME	910	SERVICED BY	
SAMPLER		SIGMA OR ISCO		MODEL NUMBER	800 900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	12.8 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, lliquinox, 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 Put Down Diatomaceous Earth for bug control
2
3

FCD/USGS STORMWATER O&M LOG SHEET

SITE	Industrial Park		DATE	9/14/00	
ARRIVAL TIME	1055	DEPARTURE TIME	1108	SERVICED BY	Acem
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	130 volts
SOLAR PANEL CLEAN	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="checkbox"/> YES <input type="checkbox"/> 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, 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	Program started 9/1/00 no rain to left running
2	
3	

FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Industrial Park</i>		DATE	<i>09/05/00</i>	
ARRIVAL TIME	<i>1225</i>	DEPARTURE TIME	<i>1235</i>	SERVICED BY	<i>Allen</i>
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	800	<input checked="" type="radio"/> 900
other					

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	<i>12.9</i> volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES NO	<i>clean</i>
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES NO	<i>checked</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	
2	
3	

STORMWATER O&M LOG SHEET

SITE	INDUSTRIAL PARK		DATE	9-1-00		
ARRIVAL TIME	12:45	DEPARTURE TIME	13:05		SERVICED BY	DPS
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900	other

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

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	CLEAVED DEBRIS AWAY FROM INTAKE AND PT/
2	RINSED RESTART PROGRAM
3	

EQUIPMENT CLEANING CHECKLIST

Site **IND PK**

Date **8/31/00** Time **1330**

Serviced By: **src**

Yes

Data Downloaded to DTU?

copy data cell #4 (DTU 3516)

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	IND PK		DATE	8/31/00	
ARRIVAL TIME	1330	DEPARTURE TIME	1345	SERVICED BY	JRC/RWN
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	(900) other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	12.8 volts
SOLAR PANEL CLEAN	YES NO	
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	N/A
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 0.00 in.
2	
3	

EQUIPMENT CLEANING CHECKLIST

Site *Industrial Park*

Date *8/30/00* Time *1045*

Serviced By: *(Signature)* *(Signature)*

cell #4

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.

Re Start 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.

STORM EVENT LOG SHEET

1. Site: INDUSTRIAL PARK

Your Name: BOB NAUDER (DPS)

2. Date: 8.29.00

Time: 9:23

SAMPLER PARAMETERS

3. Rainfall: 0 in

4. Flow: 0 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: 12.8 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?**

STORMWATER O&M LOG SHEET

SITE	INDUSTRIAL PARK		DATE	8-21-00	
ARRIVAL TIME	15.25	DEPARTURE TIME	15.35	SERVICED BY	JRC & DPS
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	<u>900</u> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	SOLAR PANEL OUTPUT 17.9V 18.2 volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	CLEANED / NOW OK
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CELLULAR ANTENNA	YES <input type="radio"/> NO	NA
PHONE TONE	YES <input type="radio"/> NO	JUNCTION BOX OK; NO WIRES INTACT
RAINGAGE (screen, funnel, tipping bucket)	<input checked="" type="radio"/> YES <input type="radio"/> NO	OK
SAMPLE TUBING (intake, pump, distributor)	<input checked="" type="radio"/> YES <input type="radio"/> NO	cracks or holes No visible defects
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	YES <input checked="" type="radio"/> NO	
CALIBRATED DEPTH SENSOR	YES <input checked="" type="radio"/> NO	depth (in)
CALIBRATED SAMPLE VOLUME	YES <input checked="" type="radio"/> NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.
1 NO RAINFALL SINCE LAST DOWNLOAD RAIN = 0.00 in
* ② RAILING BASE WELD CRACKED. NEEDS
3 REINFORCEMENT. RESTARTED SAMPLER.

FCD/USGS STORMWATER O&M LOG SHEET

SITE	Industrial Park		DATE	8/17/00	
ARRIVAL TIME	1020	DEPARTURE TIME	1030	SERVICED BY	<i>Reed</i>
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	12.8 volts
SOLAR PANEL CLEAN	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	clean, test solar output, 19.5
CABLES AND CONNECTIONS GOOD	<input checked="" type="checkbox"/> YES <input type="checkbox"/> 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 check output, 19.5 Good. Battery at 12.8 clean solar panels

2

3

STORM EVENT LOG SHEET

1. Site: Industrial Pool Your Name: MW
2. Date: 8/12/00 Time: 8 45

SAMPLER PARAMETERS

3. Rainfall: 0.20 in
4. Flow: _____ cfs
5. Level: _____ in
6. Velocity: 0.20 ft/sec

*Review data, check
sampler, Re Start
program.*

O&M PARAMETERS

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

8. Battery voltage: 12.8 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>Industrial Park</i>		DATE	<i>8/8/00</i>	
ARRIVAL TIME	<i>1020</i>	DEPARTURE TIME	<i>1030</i>	SERVICED BY	
				<i>PLW</i>	<i>DAP</i>
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	800	<input checked="" type="radio"/> 900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	YES NO	<i>12.8</i> volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	YES NO	
RAINGAGE (screen, funnel, tipping bucket)	YES NO	<i>0.20</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>Empty ice water from line. No samples</i>
2	
3	

STORM EVENT LOG SHEET

1. Site: IND PK

Your Name: JRC/AMB/AJO

2. Date: 8/7/00

Time: 1145

SAMPLER PARAMETERS

3. Rainfall: 0.12 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.

Samples not taken. no runoff yet.

8. Battery voltage: 12.8 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>Industrial Park</i>		DATE	<i>5/2/00</i>	
ARRIVAL TIME	<i>8:30</i>	DEPARTURE TIME	<i>8:40</i>	SERVICED BY	
SAMPLER		<u>SIGMA</u> OR ISCO	MODEL NUMBER	<i>800</i>	<i>900</i> other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<u>YES</u> NO	<i>12.8</i> volts
SOLAR PANEL CLEAN	<u>YES</u> NO	
CABLES AND CONNECTIONS GOOD	<u>YES</u> 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	
2	
3	

STORM EVENT LOG SHEET

1. Site: IND PK

Your Name: COX / STRAHM

2. Date: 7/31/00

Time: 1820

SAMPLER PARAMETERS

3. Rainfall: 0.06 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.
didn't meet criteria

8. Battery voltage: 12.9 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>Industrial Park</i>		DATE	<i>7/25/00</i>	
ARRIVAL TIME	<i>9:00</i>	DEPARTURE TIME	<i>9:10</i>	SERVICED BY	<i>(Signature)</i>
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	<i>800</i>	<input checked="" type="radio"/> 900 other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>12.8</i> volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>cleaned</i>
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES <input type="radio"/> 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	
2	
3	

FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Industrial Park</i>		DATE	<i>7/18/00</i>	
ARRIVAL TIME	<i>950</i>	DEPARTURE TIME	<i>1010</i>	SERVICED BY	<i>Rau</i>
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	<i>800</i>	<input checked="" type="radio"/> 900- other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>12.9</i> volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>cleaned</i>
CABLES AND CONNECTIONS GOOD	YES NO	
CELLULAR ANTENNA	YES NO	
PHONE TONE	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>Tone Good</i>
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

Channel still has trash.

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>Industrial Park</i>		DATE	<i>7/6/00</i>	
ARRIVAL TIME	<i>825</i>	DEPARTURE TIME	<i>835</i>	SERVICED BY	<i>[Signature]</i>
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	<input checked="" type="radio"/> 800 <input checked="" type="radio"/> 900	other

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>12.7</i> volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>cleaned</i>
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
2
3

STORM EVENT LOG SHEET

1. Site: Glendale 2 Ind Park Your Name: Tom Seyfried

2. Date: 6-30-00 Time: 1800

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: 13.2 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?**

Restarted sampler.

STORM EVENT LOG SHEET

Seed composite
No rain yet 0.0
Restarted,

SITE:	IND PK
-------	--------

DATE:	06/29	TIME:	2130
-------	-------	-------	------

DID EQUIPMENT OPERATE PROPERLY DURING EVENT: YES NO

IF NO, WHAT WERE PROBLEM(S):

FIELD PARAMETERS:

Discharge at time of Grabs		cfs
----------------------------	--	-----

Effluent pH		S.U.
-------------	--	------

Effluent Temperature		°C
----------------------	--	----

GRAB SAMPLES:

Take grab samples from discharge only!

Grab Samples Taken?

YES NO

Preservatives added to bottles?

YES NO

FCD/USGS STORMWATER O&M LOG SHEET

SITE	<i>Industrial Park</i>		DATE	<i>6/29/00</i>	
ARRIVAL TIME	<i>9:06</i>	DEPARTURE TIME	<i>9:15</i>	SERVICED BY	<i>Rain</i>
SAMPLER	<input checked="" type="radio"/> SIGMA OR ISCO		MODEL NUMBER	800	<input checked="" type="radio"/> 900
other					

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	<i>12.6</i> volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CABLES AND CONNECTIONS GOOD	YES <input type="radio"/> NO	
CELLULAR ANTENNA	YES <input type="radio"/> NO	
PHONE TONE	YES <input type="radio"/> NO	
RAINGAGE (screen, funnel, tipping bucket)	YES <input type="radio"/> NO	
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

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	<i>0.08 Rain, No Samples, Left raining</i>
2	
3	

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

WATER SITE	IND PK	DATE	6/28/00
ARRIVAL TIME	1025	DEPARTURE TIME	1040
OPERATOR		TRIP NUMBER	
DEPT. / PROJECT	900	TRIP NUMBER	
		TRIP NUMBER	

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	12.5 volts
SOLAR PANEL	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	
CONNECTION CABLES	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	
RAINGAGE	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	
SAMPLE INTAKE TUBING	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	length (feet)
SAMPLER PUMP TUBING	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	
SAMPLER DISTRIBUTOR TUBING	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	
DEPTH SENSOR	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	depth (Inch)
CALIBRATE DEPTH SENSOR	<input checked="" type="radio"/>	<input checked="" type="radio"/>	N/A	N/A	
CALIBRATE SAMPLE VOLUME	<input checked="" type="radio"/>	<input checked="" type="radio"/>	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	<input checked="" type="radio"/>	<input checked="" type="radio"/>	N/A	N/A	

NOTES / ACTIONS 1) Tip test $7 \times 0.01 = 0.07$ (OK)
 registered on screen.

2) Pwal & JRC paged 3003-23 (OK)

3) Restarted.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	IND PK		DATE	6/27/00	
ARRIVAL TIME	1440	DEPARTURE TIME	1450	SERVICED BY	RWIN/JRC
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	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	GOOD FAIR POOR	YES <input checked="" type="checkbox"/> NO	YES <input checked="" type="checkbox"/> NO	12.7 volts
SOLAR PANEL	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO N/A	GOOD FAIR POOR	YES <input checked="" type="checkbox"/> NO	YES <input checked="" type="checkbox"/> NO	
Cables / Connections	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	GOOD FAIR POOR	YES <input checked="" type="checkbox"/> NO	YES <input checked="" type="checkbox"/> NO	
Raingage / Funnel / Screen	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	GOOD FAIR POOR	YES <input checked="" type="checkbox"/> NO	YES <input checked="" type="checkbox"/> NO	
SAMPLER DISTRIBUTOR TUBING	<input checked="" type="checkbox"/> YES <input checked="" type="checkbox"/> NO	GOOD FAIR POOR	YES NO	YES NO	
CLEANED SAMPLE INTAKE TUBING	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

NOTES / ACTIONS

0.04 in rain

restarted

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Industrial Park		DATE	6/23/00	
ARRIVAL TIME	7:15	DEPARTURE TIME	8:50	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	
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 Connect and solder telephone line. Put protective case
over cable. Review program in sampler. Restart.
 _____ (Signature)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	IND PK			DATE	06/22/00
ARRIVAL TIME	0830	DEPARTURE TIME	0915	SERVICED BY	CFK/RWN/JRC
SAMPLER MODEL NUMBER	900 MAY			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

1) Phone lines cut at junction box. CFK/RWN reconnected.

2) Reprogrammed to 602 415 1084 and 2328.

3) Restarted sampler.

4) Tested tipping bucket - 10 tips, registered .10. (OK)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	<i>Industrial Pond</i>		DATE	<i>6/20/00</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, battery and drain. Drain open.*
Storms heading this way. Ready.
Storms missed gauge. check site and restart program.
clean solar panels. Data enter in station book.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	IND PK			DATE	6/19/00
ARRIVAL TIME	0830	DEPARTURE TIME	0900	SERVICED BY	JRC/RWN
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 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 RAINFALL 0.22 in. Not actual rainfall.

Tested tipping bucket and pager system Sat 6/17/00.

Raingage and sampler functional; pager system not operable. Need to fix ASAP.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	INDUSTRIAL PK		DATE	6/6/00	
ARRIVAL TIME	1300	DEPARTURE TIME	1315	SERVICED BY	RWN/JRC
SAMPLER MODEL NUMBER	900 MAX		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 Reprogrammed sampler (Items 36 and 63).
Restarted sampler. Reviewed all items.

EQUIPMENT CLEANING CHECKLIST

Site **IND PK**

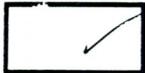
Date **6/6/00** Time **0930**

Serviced By: **COX/HAUD/WILLIAMS**

No

Data Downloaded to DTU?

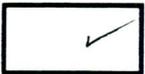
1. Halt program
2. Connect extension tubing to the distributor tubing on the underside of the sampler.
3. Press the Purge Key on 800 models or the Manual key on 900 models.
4. On 900 models, press the Pump Operation key and then the select Purge.
5. Follow the steps below and check each as it is done.



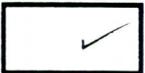
Pump approximately 1/2 gallon tap water through tubing.



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	IND PK		DATE	6/6/00	
ARRIVAL TIME	0815	DEPARTURE TIME	0945	SERVICED BY	COX/NAUD/WILLIAMS
SAMPLER MODEL NUMBER	900 MAX		SAMPLER SERIAL/ ASSET NUMBER		
PT SERIAL NUMBER/ ASSET NUMBER			RAINAGE SERIAL/ ASSET NUMBER		

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	13.2 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	
RAINAGE removed avian fecal material from screen	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	26 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	4.02 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	400 mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS PT cal to 4.02 "

Volume cal 420, 300, 10, 500 ml

Recal (sensor enabled) 500 pumped.

✓ Grab to check = 400 ml

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

STATION NAME	Industrial Park	DATE	05/31/00
ARRIVAL TIME		DEPARTURE TIME	
OPERATOR		ASSISTANT	
DEPT. / OFFICE		PHONE	

	YES	NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE						13.2 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, batteries, some trash removed from channel.

guy

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Industrial Park	DATE	05/23/00
WATER QUALITY		WATER TYPE	
WATER QUALITY		WATER QUALITY	
WATER QUALITY		WATER QUALITY	

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	13.4 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, battery. Test pump okay.
 Clean solar panels. Boxes from construction in
 ditch again
 (Ray)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	<i>Industrial Park</i>		DATE	<i>05/18/00</i>
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY	<i>Reed</i>
SAMPLER MODEL NUMBER		SAMPLER SERIAL NUMBER		
PROBING SERIAL NUMBER		LOGGING SERIAL NUMBER		

	CHECKED	REMARKS	YES	NO	UNIT
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	GOOD FAIR POOR	YES NO	YES NO	<i>13.1</i> 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, clean solar panels.*

Reed

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Industrial Park		DATE	05/08/00
ARRIVAL TIME		DEPARTURE TIME	INITIALS	Reem
SAMPLER LOOP NUMBER		SAMPLER SERIAL NUMBER		
DEPT. SERIAL NUMBER		ASSET NUMBER		

	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	NOTE
BATTERY VOLTAGE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	13.2 volts					
SOLAR PANEL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>						
CONNECTION CABLES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RAINGAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SAMPLE INTAKE TUBING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	length (feet)
SAMPLER PUMP TUBING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SAMPLER DISTRIBUTOR TUBING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
DEPTH SENSOR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	depth (Inch)
CALIBRATE DEPTH SENSOR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CALIBRATE SAMPLE VOLUME	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	mL
CLEANED SAMPLE INTAKE TUBING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

NOTES / ACTIONS check site, Battery, clean solar panels.

assist Glendale Police with checking bridge and area for people living under bridge.

Reem

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Industrial Park	DATE	05/01/00
PARCEL NO.		TECH	Allen
PROJECT NUMBER		TRIAL NUMBER	
PROJECT SITE NUMBER		GENERAL SITE NUMBER	

	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	NOTE
BATTERY VOLTAGE	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	13.0 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 NTAKE 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
CLEAVED SAMPLE NTAKE TUBING	YES	NO	GOOD	FAIR	POOR	N/A		N/A		

NOTES: ACTIONS check site, boxes still in channel (4) check battery and clean solar panels. At this time, I do not believe boxes present a problem.

Allen

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Industrial Park	DATE	04/24/00
ARRIVAL TIME		DEPARTURE TIME	
PROJECT NUMBER		INSTRUMENT SERIAL NUMBER	
OPERATOR'S ID NUMBER		LOGGERS SERIAL NUMBER	

	OPERATOR	STATUS	YES	NO	NOTE
BATTERY VOLTAGE		YES NO	GOOD FAIR POOR	YES NO	130 volts
SOLAR PANEL	Clean	YES NO N/A	GOOD FAIR POOR	YES NO	
CONNECTION CABLES		YES NO	GOOD FAIR POOR	YES NO	
RAINGAGE		YES NO	GOOD FAIR POOR	YES NO	
SAMPLE INTAKE TUBING		YES NO	GOOD FAIR POOR	YES NO	length (feet)
SAMPLER PUMP TUBING		YES NO	GOOD FAIR POOR	YES NO	
SAMPLER DISTRIBUTOR TUBING		YES NO	GOOD FAIR POOR	YES NO	
DEPTH SENSOR		YES NO	GOOD FAIR POOR	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, Battery and channel. Found Boxes and garbage from construction site across channel.

(Clean)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Industrial Park	DATE	04/13/00
ARRIVAL TIME		DEPARTURE TIME	
PROJECT NUMBER		INSTRUMENT NUMBER	
OPERATOR'S NAME		MAINTENANCE NUMBER	

Ren

	CHECKED	STATUS	YES	NO	NOTE
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	
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 site, drain and battery, clean solar panel and restart program*

Ren

Note: Display would not come up. Turn off sampler then on, display came up.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

STATION	Industrial Park		DATE	04/10/00
PARVA		DEPART		(Clean)
WARRANTY		WARRANTY		
GENERAL NUMBER		GENERAL NUMBER		

	YES	NO	GOOD	FAIR	POOR	YES	NO	YES	NO	NOTE
BATTERY VOLTAGE										12.9 volts
SOLAR PANEL <i>Clean</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>						
CONNECTION CABLES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
RAIN GAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SAMPLE INTAKE TUBING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	length (feet)
SAMPLER PUMP TUBING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SAMPLER DISTRIBUTOR TUBING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
DEPTH SENSOR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	depth (Inch)
CAL BRATE DEPTH SENSOR	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
CAL BRATE SAMPLE VOLUME	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	mL
CLEANED SAMPLE INTAKE TUBING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

NOTES/ACTIONS *Check Station Battery 12.9 Clean Solar Panels.*

(Clean)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Industrial Park		DATE	04/04/06
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY	Allen
SAMPLER MODEL NUMBER		AMPLIFIER SERIAL NUMBER		
CONTROL SERIAL NUMBER		RANGAGE SERIAL NUMBER		

	TEST CALIBRATION	COND.	TEMP.	PH	NOTE
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	130 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)
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, clean solar panel, no rain

Allen

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

DATE	Industrial Park	DATE	03/30/00
ARRIVAL TIME		DEPARTURE TIME	
SAMPLER MODEL NUMBER		SAMPLER SERIAL NUMBER	Plan
CONTROL SYSTEM MODEL NUMBER		CONTROL SYSTEM SERIAL NUMBER	

	YES	NO	GOOD	FAIR	PCCR	YES	NO	YES	NO	NOTE
BATTERY VOLTAGE	YES	NO	GOOD	FAIR	PCCR	YES	NO	YES	NO	12.9 volts
SOLAR PANEL	YES	NO	GOOD	FAIR	PCCR	YES	NO	YES	NO	clean
CONNECTION CABLES	YES	NO	GOOD	FAIR	PCCR	YES	NO	YES	NO	
RAINGAGE	YES	NO	GOOD	FAIR	PCCR	YES	NO	YES	NO	
SAMPLE INTAKE TUBING	YES	NO	GOOD	FAIR	PCCR	YES	NO	YES	NO	length (feet)
SAMPLER PUMP TUBING	YES	NO	GOOD	FAIR	PCCR	YES	NO	YES	NO	
SAMPLER DISTRIBUTOR TUBING	YES	NO	GOOD	FAIR	PCCR	YES	NO	YES	NO	
DEPTH SENSOR	YES	NO	GOOD	FAIR	PCCR	YES	NO	YES	NO	depth (Inch)
CALIBRATE DEPTH SENSOR	YES	NO	GOOD	FAIR	PCCR	N/A		N/A		
CALIBRATE SAMPLE VOLUME	YES	NO	GOOD	FAIR	PCCR	N/A		N/A		mL
CLEANED SAMPLE INTAKE TUBING	YES	NO	GOOD	FAIR	PCCR	N/A		N/A		

NOTES/ACTIONS check site, clean solar panels, 12.9 Restart program
 Plan

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Industrial Park		DATE	03/28/06
ARRIVAL TIME		DEPARTURE TIME	SERVICES	clean
SAMPLER LOOP NUMBER			LABOR SERIAL NUMBER	
CONSERVATION NUMBER			LABOR SERIAL NUMBER	

	CHECKED	COMPLETED			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, 0.07 at 1020 no samples*

clean

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Industrial Park	DATE	03/27/00
ARRIVAL TIME		DEPARTURE TIME	
SAMPLER MODEL NUMBER		MANUFACTURER'S SERIAL NUMBER	
OPERATOR'S NUMBER		LABORATORY'S SERIAL NUMBER	

Rec'd

	CHECKED	CONDITION	YES	NO	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	12.8 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 Site, Battery 12.8 clean Solar panels*

Rec'd

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

WQMS SITE ID	Industrial Park		DATE	05/20/09
ARRIVAL TIME		TEMPERATURE (°F)	SERVOLEBY	Plum
SAMPLER MODEL NUMBER			DATE/SERIAL ASSET NUMBER	
PT SERIAL NUMBER ASSET NUMBER			RANGAGE SERIAL ASSET NUMBER	

	CHECKED SERVO CALIBRATED	CONDITION	DEPTH SENSOR	PT SERIAL	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	12.8 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	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 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	
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTED ACTIONS check site and battery voltage.

Plum

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	<i>Industrial Park</i>	DATE	<i>03/14/00</i> <i>03/15/00</i>
ARRIVAL TIME		DEPARTURE TIME	
SAMPLER MODEL NUMBER		NAME & SERIAL NUMBER	<i>(Pen)</i>
PT SERIAL NUMBER / SET NUMBER		RAINGAGE SERIAL NUMBER	

	CHECKED / SERVICED / ALTERNATED	CONDITION	DEPTH	SET POINT	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	<i>13.0 volts</i>
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 *Install new battery, check voltage.*
Restart program.
(Pen)

03/15/00 Clean contacts and connections. Voltage at 18 volts.
(Pen)

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

FIELD NUMBER SITE	Industrial Park		DATE	03/13/00
ARRIVAL TIME	DEPARTURE TIME	SERVICE BY <i>Neer</i>		
SAMPLER MODEL NUMBER	SAMPLER SERIAL ASSET NUMBER			
PT SERIAL NUMBER ASSET NUMBER	RAINGAGE SERIAL ASSET NUMBER			

	CHECKED / SERVICED / CALIBRATED	CONDITION	TESTED	RECALIBRATED	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 *Return clean bottles, remove battery read 4.11, 105T*
Return 03/14/00 with new battery
Neer

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	IND PK		DATE	3/9/00	
ARRIVAL TIME	0955	DEPARTURE TIME	1025	SERVICED BY	JRC/TZVY
SAMPLER MODEL NUMBER	900 MAX		SAMPLER SERIAL/ ASSET NUMBER		
PT SERIAL NUMBER/ ASSET NUMBER			RAINGAGE SERIAL/ ASSET NUMBER		

Power off.

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

NOTES / ACTIONS

- 1) Emptied base & bottles. 8 bottles & base full.
- 2) Loose fill eroding into channel needs to be cleared.
- 3) Checked raingage. Funnel clear.
- 4) No power to sampler. Tried main manual & on buttons.

No data downloaded. Check battery. Replace if necessary.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Industrial Park		DATE	03 05 00 05/07/00
ARRIVAL TIME		DEPARTURE TIME	SERVICED BY Ruv JLP	
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	11.5 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	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, found sampler in Halt position

copy data, 0.42 Rain no other data

cell #7

Battery low, 11:5 Took Grab samples

Ruv

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Industrial Pond		DATE	02/22/00
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	

Cell # 3
 NOTES / ACTIONS *check site, copy data. Clean solar panels, empty base of ice, check drain Rain 0.18"*
no samples taken
Ren

STORM EVENT LOG SHEET

SITE: NEW RIVER / IND PARK

DATE: 2/21/00 **TIME:** 1445

DID EQUIPMENT OPERATE PROPERLY DURING EVENT: YES NO

IF NO, WHAT WERE PROBLEM(S):

① Funnel plugged with avian fecal material, Cleaned out.
 Met w/ contractor on site re Kay Bee Toys
 expansion, i.e. informed contractor to ~~stay~~
 not disturb channel, Iced sampler. Restarted sampler.

② 2/21/00 1915
 No flow. No grabs. No composite, Rain 0.12 in, Flow 0.0 in
 Battery 12.0 V

FIELD PARAMETERS:

Discharge at time of Grabs		cfs
----------------------------	--	-----

Effluent pH		s.u.
-------------	--	------

Effluent Temperature		°C
----------------------	--	----

GRAB SAMPLES:

Take grab samples from discharge only!

Grab Samples Taken?

YES NO

Preservatives added to bottles?

YES NO

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

	<i>Industrial Park</i>		<i>1-25-00</i>
			<i>Ren</i>

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE	<input checked="" type="checkbox"/>				<i>12.4</i> volts
SOLAR PANEL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<i>clean</i>
CONNECTION CABLES	<input type="checkbox"/>				
RAINGAGE	<input type="checkbox"/>				
SAMPLE INTAKE TUBING	<input type="checkbox"/>				length (feet)
SAMPLER PUMP TUBING	<input type="checkbox"/>				
SAMPLER DISTRIBUTOR TUBING	<input type="checkbox"/>				
DEPTH SENSOR	<input type="checkbox"/>				depth (Inch)
CALIBRATE DEPTH SENSOR	<input type="checkbox"/>		N/A	N/A	
CALIBRATE SAMPLE VOLUME	<input type="checkbox"/>		N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	<input type="checkbox"/>		N/A	N/A	

NOTES / ACTIONS *check station, battery 12.4 clean solar panels*

Ren

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	IND PARK		DATE	1/11/00	
ARRIVAL TIME	1015	DEPARTURE TIME	1130	SERVICED BY	JRC/DWH/CFK/TEW
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	<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	12.2 volts
SOLAR PANEL <i>cleaned</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<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	
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 <i>fixed leak</i>	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input checked="" type="checkbox"/> POOR	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	26 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 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 (inch)
CALIBRATE DEPTH SENSOR	<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"/> N/A	<input type="checkbox"/> YES <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 type="checkbox"/> YES <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> YES <input checked="" type="checkbox"/> N/A	450 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 type="checkbox"/> YES <input checked="" type="checkbox"/> N/A	<input type="checkbox"/> YES <input checked="" type="checkbox"/> N/A	

NOTES / ACTIONS

EQUIPMENT CLEANING CHECKLIST

Site **IND PARK**

Date **1/11/00** Time

Serviced By: **COX/NAVID/KLEMMER/WILLIAMS**

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

STATION	Industrial Park	DATE	11/11/2000
ARRIVAL TIME		OPERATOR	JRC/RWN/CFK/TGW
PROJECT NUMBER		EQUIPMENT CLASS NUMBER	
PROJECT ADDRESS		EQUIPMENT SERIAL NUMBER	

	YES NO	GOOD FAIR POOR	YES NO	YES NO	
BATTERY VOLTAGE	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input checked="" type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input checked="" type="radio"/> YES <input type="radio"/> NO	12.2 volts
SOLAR PANEL <i>clean</i>	<input checked="" type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	<input checked="" type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	<input type="radio"/> YES <input checked="" type="radio"/> NO	<input type="radio"/> YES <input checked="" type="radio"/> NO	
CONNECTION CABLES	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input checked="" type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	<input type="radio"/> YES <input checked="" type="radio"/> NO	<input type="radio"/> YES <input checked="" type="radio"/> NO	
RAINGAGE	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input checked="" type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	<input type="radio"/> YES <input checked="" type="radio"/> NO	<input type="radio"/> YES <input checked="" type="radio"/> NO	
SAMPLE INTAKE TUBING <i>make small repair</i>	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input checked="" type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	<input type="radio"/> YES <input checked="" type="radio"/> NO	<input type="radio"/> YES <input checked="" type="radio"/> NO	length (feet)
SAMPLER PUMP TUBING	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input checked="" type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	<input type="radio"/> YES <input checked="" type="radio"/> NO	<input type="radio"/> YES <input checked="" type="radio"/> NO	
SAMPLER DISTRIBUTOR TUBING	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input checked="" type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	<input type="radio"/> YES <input checked="" type="radio"/> NO	<input type="radio"/> YES <input checked="" type="radio"/> NO	
DEPTH SENSOR	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input checked="" type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	<input type="radio"/> YES <input checked="" type="radio"/> NO	<input type="radio"/> YES <input checked="" type="radio"/> NO	depth (Inch)
CALIBRATE DEPTH SENSOR	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input checked="" type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input checked="" type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input checked="" type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	N/A	N/A	

NOTES / ACTIONS *Calibrated sampler sensors, clean solar panels, Fixed small leak found at pump inlet, calibrated correctly after repair. Battery good at 12.2. Checked raingage - OK.*

OLIVE 67th Avenue north of Olive Avenue

FCD/USGS STORMWATER O&M LOG SHEET

SITE	Olive + 67 th		DATE	11-8-00		
ARRIVAL TIME	10 am	DEPARTURE TIME	10:20	SERVICED BY	KJ Fossum, BJ Wilson	
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900	other

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

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.
1. Cleaned area around weir.
2. Note: Walgreens construction going on. (Blue 8" tubing) Pumping (construction site)
3. water from hydrant inside residential area, under brick wall thru drainage. Spoke briefly w/ contractor.

FCD/USGS STORMWATER O&M LOG SHEET

SITE	67 th + Olive		DATE	10-30-00	
ARRIVAL TIME	3:10	DEPARTURE TIME	3:18	SERVICED BY	BJ Wilson, Alkes
SAMPLER	SIGMA OR ISCO		MODEL NUMBER	800	900
				other	

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

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED
Bottle was empty. (Still clean)
Moved sand + debris from intake area
Reset ISCO

FCD/USGS STORMWATER O&M LOG SHEET

SITE	67th + Olive		DATE	10-11-00	
ARRIVAL TIME	10:25	DEPARTURE TIME	11:00 AM	SERVICED BY	KD Fossum + BJ Wilson
SAMPLER	SIGMA OF ISCO		MODEL NUMBER	<input checked="" type="checkbox"/> 2700 <input type="checkbox"/> 860 <input type="checkbox"/> 900 <input type="checkbox"/> other	

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	11.87 volts
SOLAR PANEL CLEAN	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	cleaned
CABLES AND CONNECTIONS GOOD	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
CELLULAR ANTENNA	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	None
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	cleaned
SAMPLE TUBING (intake, pump, distributor)	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	cleaned
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	cleaned
CALIBRATED DEPTH SENSOR	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	-0.01 depth (in)
CALIBRATED SAMPLE VOLUME	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.
1 CLEANED SAMPLER, INTAKE, AND RAINGAGE
2
3

STORM EVENT LOG SHEET

1. Site: 67th + Olive Your Name: KD FOSSUM, BJ Wilson
2. Date: 10/10/00 Time: 0850

SAMPLER PARAMETERS

3. Rainfall: TOTAL .39 in
4. Flow: 5.28 cfs PEAK
5. Level: .53 ~~ft~~ ft
6. Velocity: / ft/sec

O&M PARAMETERS

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

8. Battery voltage: 12.0 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 trickle cfs
11. pH 8.22 su
12. Temperature 21.0 deg. C
Conductance 122 μ S DO 7.25 BP 729
AirTemp 20°C

GRAB SAMPLES Take grabs from discharge only!

13. Grab samples taken? Yes or No? DUMPED
14. Preservatives added to bottles? Yes or No?

FCD/USGS STORMWATER O&M LOG SHEET

SITE	67TH AVE + OLIVE		DATE	10-9-2000	
ARRIVAL TIME	0800	DEPARTURE TIME	0830	SERVICED BY	KDFossum
SAMPLER	SIGMA ORISCO		MODEL NUMBER	800	900
				other	

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	12.1 volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CELLULAR ANTENNA	<input type="radio"/> YES <input checked="" type="radio"/> NO	NONE
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	
SAMPLE TUBING (intake, pump, distributor)	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	<input type="radio"/> YES <input checked="" type="radio"/> NO	CLEANED
CALIBRATED DEPTH SENSOR	<input checked="" type="radio"/> YES <input type="radio"/> NO	-0.010 depth (in)
CALIBRATED SAMPLE VOLUME	<input type="radio"/> YES <input checked="" 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	67TH AVE + OLIVE		DATE	10-6-2000	
ARRIVAL TIME	1050	DEPARTURE TIME	1120	SERVICED BY	
SAMPLER		SIGMA <u>OR</u> ISCO		MODEL NUMBER	800 900 other
KDFOSSUM, BJ WILSON					

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<input checked="" type="radio"/> YES <input type="radio"/> NO	12.1 volts
SOLAR PANEL CLEAN	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CABLES AND CONNECTIONS GOOD	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CELLULAR ANTENNA	<input type="radio"/> YES <input checked="" type="radio"/> NO	NONE
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	
SAMPLE TUBING (intake, pump, distributor)	<input checked="" type="radio"/> YES <input type="radio"/> NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	<input checked="" type="radio"/> YES <input type="radio"/> NO	CLEANED
CALIBRATED DEPTH SENSOR	<input checked="" type="radio"/> YES <input type="radio"/> NO	-0.010 depth (in)
CALIBRATED SAMPLE VOLUME	<input checked="" type="radio"/> YES <input type="radio"/> NO	ml

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

STORM EVENT LOG SHEET

1. Site: LOT# + OLIVE

Your Name: Fossam/WILSON

2. Date: 8/30/2000

Time: 1740

SAMPLER PARAMETERS

3. Rainfall: .29 in

4. Flow: 2.51 cfs

@ 1700

5. Level: .436 in

6. Velocity: ft/sec

O&M PARAMETERS

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

8. Battery voltage: 12.3 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 TRICKLE cfs

11. pH 7.55 su

12. Temperature 26.5 deg. C

CONDUCTANCE = 195 μ S

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	67 TH + OLIVE		DATE	FOSSUM + WILSON	
ARRIVAL TIME	11:15	DEPARTURE TIME	12:15	SERVICED BY	8/11/2000
SAMPLER	SIGMA OR <u>ISCO</u>		MODEL NUMBER	800 900	<u>other</u>

EQUIPMENT CHECKED		COMMENTS
BATTERY VOLTAGE OK	<u>YES</u> NO	volts
SOLAR PANEL CLEAN	<u>YES</u> 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	
SAMPLE TUBING (intake, pump, distributor)	<u>YES</u> NO	
CLEANED SAMPLE TUBING (tap, liquinox, tap, nitric, DI)	<u>YES</u> NO	
CALIBRATED DEPTH SENSOR	YES <u>NO</u>	depth (in)
CALIBRATED SAMPLE VOLUME	YES <u>NO</u>	ml

SPECIFY ITEMS REMOVED/REPLACED/REPAIRED/INSTALLED. INCLUDE SERIAL NO IF SAMPLER OR PT INSTALLED/REMOVED.	
1	CLEANED SAMPLER & INTAKE TUBING, SETUP FOR
2	SAMPLING.
3	

STORM EVENT LOG SHEET

1. Site: Olive

Your Name: CINDY HAYEK, BERT DUET, BARB WILSON

2. Date: 9/8/00

Time: 0345-0352

SAMPLER PARAMETERS

3. Rainfall: .15 in

4. Flow: No Flow cfs

5. Level: in

6. Velocity: ft/sec

O&M PARAMETERS

7. Did sampling equipment operate during event? Yes or No? Describe problems.
7 LITERS IN BOTTLE. DID NOT MEET CRITERIA.

SAMPLES SENT TO DEL-MAR FOR PARTIAL ANALYSES.

8. Battery voltage: 12.3 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 No Flow cfs

11. pH su

12. Temperature AIR = 25°C, WATER = 27°C 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

67TH AVE + OLIVE		6/20/2000	
0900	1100	REES	

	NEEDS REPAIR?	CONDITION	NEEDS CALIBRATION?	NEEDS REPLACEMENT?	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 SET UP FOR SAMPLING.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

Location: Olive + 67th		Date: 3/15/00	
Arrival Time: 10:30	Departure Time: 10:50	Technician: Billism, MODAY	
Sampler Model Number: TSC0	Sampler Serial Number:		
General Number:	Range Serial Number:		

	CHECKED / SERVICED / CALIBRATED	CONDITION	REEL YIELD	NEEDS 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: Replaced Nitrogen Tank. Need teflon tape on gage threads.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

6719 + Olive		3/9/00	
START TIME 11:15	STOP TIME 11:45	SERVICED BY KDFossum, BT Wilson	
MODEL NUMBER ISCO 3700		SERIAL NUMBER	
ASSET NUMBER		ASSET NUMBER	

	CHECKED / SERVICED / CALIBRATED	CONDITION	NEEDS OIL	NEEDS RECALIBRATION	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	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 Need to replace Nitrogen Tank
