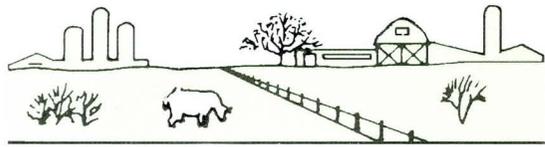
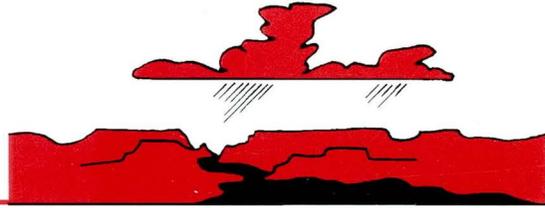


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FLOOD CONTROL DISTRICT OF MARICOPA COUNTY

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

Fourth Quarter 2003

July 1, 2003

FLOOD CONTROL
DISTRICT

OF
MARICOPA
COUNTY

Stormwater Quality Report

Fourth Quarter, Sampling Year 2003

April 1, 2003 through June 30, 2003

For

City of Scottsdale, Arizona

July 1, 2003

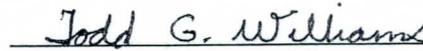
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Prepared by:



Matthew A. Oller
FCDMC Hydrologist

Reviewed by:



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

Stormwater Quality Report
City of Scottsdale, Arizona

Fourth Quarter 2003

July 1, 2003

Introduction

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

This report details stormwater sampling and equipment upkeep for the five Scottsdale stations for the period from April 1, 2003 through June 30, 2003.

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.**

SCOTTSDALE	RAINFALL	DURATION
WINTER (October – March)	0.22 – 0.65 INCHES	5.1 – 15.3 HOURS
SUMMER (April – September)	0.27 – 0.81 INCHES	2.2 – 6.5 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.

Representative Storm Event Summary

This is a summary of representative storm events that occurred during the fourth quarter of the 2003 sample year, from April 1 through June 30, 2002. One storm event occurred during this period. The following is a description of the event.

The storm event of April 15, 2003, produced rainfall valley wide. The storm was a representative storm event at the Camelback site. All other sites did not meet the time duration or accumulation criteria. Grab samples were collected at Camelback, Hayden, and Thunderbird sites. The storm did not produce adequate runoff to get a full composite sample therefore a partial composite sample was collected from the Camelback site and submitted to Del Mar Analytical Laboratory for analysis. Since the runoff did not produce enough sample to run all the analysis, those tests that were not run are as follows - TKN, COD, Dissolved Metals and Phosphorus all other water quality tests were run and are included in the Data and Validation Tables of this report. Rainfall totals for the event in Scottsdale ranged from 0.19 to 0.34 inches.

Storm Event of April 15, 2003

SITE NAME	RAINFALL (inches)	REPRESENTATIVE EVENT	SAMPLES ANALYZED
MCKELLIPS	0.23	NO Duration 41 Min. Amount < 0.27	NO
PIERCE	0.19	NO Duration 1.6 Hrs. Amount < 0.27	NO
CAMELBACK	0.30	YES Duration 2.4 Hrs.	YES (Grab and Composite)
HAYDEN	0.22	Duration 2.6 Hrs. NO Amount < 0.27	YES (Grab)
THUNDERBIRD	0.34	NO Duration 1.9 Hrs.	YES (Grab)

Grab samples at Camelback, Hayden, and Thunderbird and a partial composite sample at Thunderbird were submitted to Del Mar Labs and the results are contained in the Lab Reports section of this report for the storm event.

Maintenance Summary

This section details maintenance activities that occurred from April 1, 2003 through June 30, 2003. All water quality samplers are SIGMA 900 MAX models.

MCKELLIPS

The sampler was reset on April 1 and 16. The battery voltage was checked on April 1, 7, 14, 21, 28, May 1, 6, 12, 19, 22, 28, June 2, 12, and 23. All sampler tubing and collection bottles were cleaned on April 16. Data was downloaded with the DTU unit on April 16. The rain gage was cleaned and serviced on June 9.

PIERCE

The sampler was reset on April 1 and 16. The battery voltage was checked on April 1, 7, 14, 21, 28, May 1, 6, 12, 19, 22, 28, June 2, 12, and 23. All sampler tubing and collection bottles were cleaned on April 16. Data was downloaded with the DTU unit on April 16. The rain gage was cleaned and serviced on June 9. See Water Quality Sampler Maintenance Log Sheet for details. On May 21 the intake sensor was stolen and intake line missing all was repaired on May 22.

CAMELBACK

The sampler was reset on April 1 and 16. The battery voltage was checked on April 1, 7, 14, 21, 28, May 1, 6, 12, 19, 22, 28, June 2, 12, and 23. All sampler tubing and collection bottles were cleaned on April 16. Data was downloaded with the DTU unit on April 16. The rain gage was cleaned and serviced on June 9. See Water Quality Sampler Maintenance Log Sheet for details.

HAYDEN

The sampler was reset on April 1 and 16. The battery voltage was checked on April 1, 7, 14, 21, 28, May 1, 6, 12, 19, 22, 28, June 2, 12, and 23. All sampler tubing and collection bottles were cleaned on April 16. Data was downloaded with the DTU unit on April 16. The rain gage was cleaned and serviced on June 9. See Water Quality Sampler Maintenance Log Sheet for details.

THUNDERBIRD

The sampler was reset on April 1 and 16. The battery voltage was checked on April 1, 7, 14, 21, 28, May 1, 6, 12, 19, 22, 28, June 2, 12, and 23. All sampler tubing and collection bottles were cleaned on April 16. Data was downloaded with the DTU unit on April 16. The rain gage was cleaned and serviced on June 9. See Water Quality Sampler Maintenance Log Sheet for details.

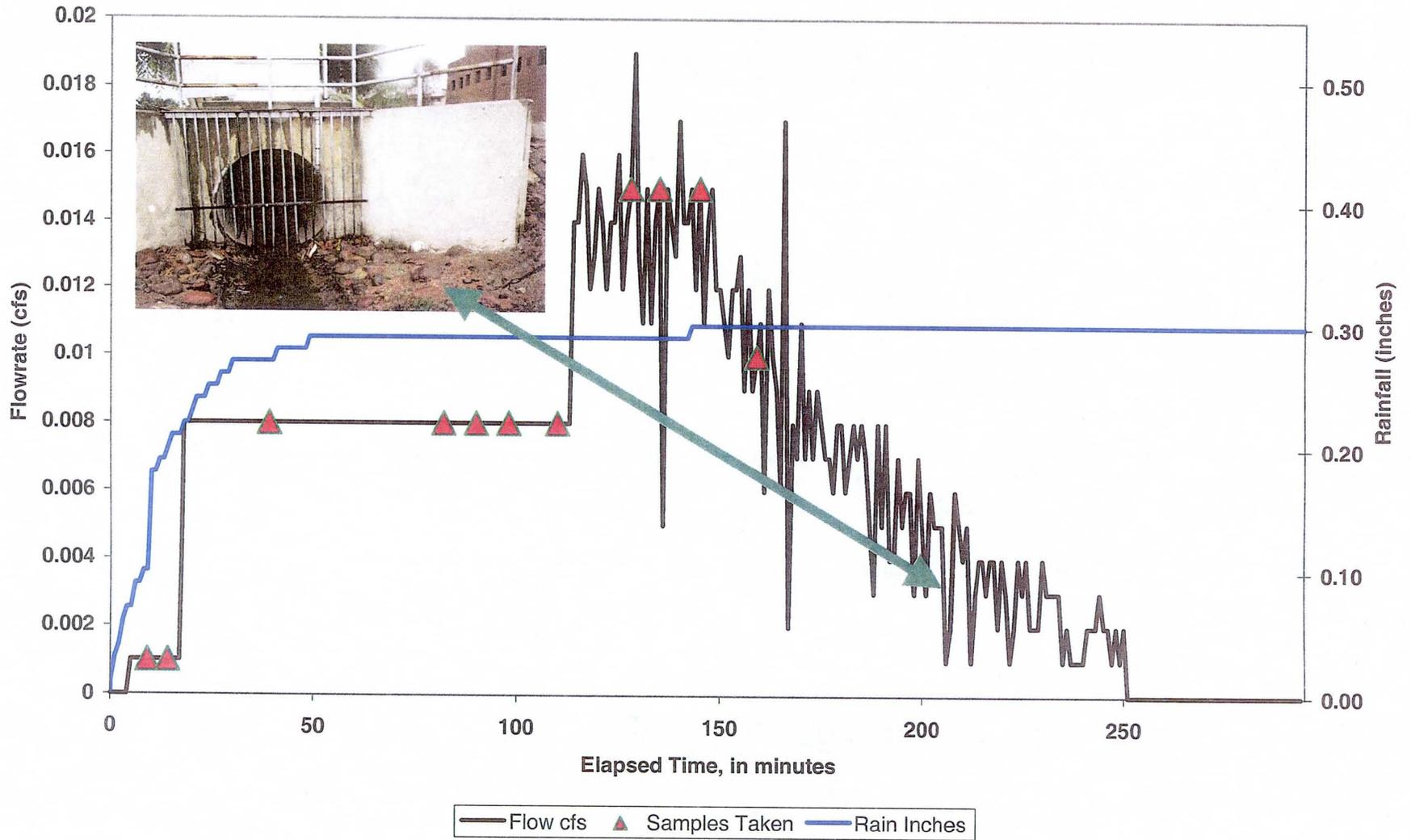
Data compiled for April 1 through June 30, 2003

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

- Storm Hydrographs.
- Rainfall tables for five Scottsdale NPDES raingages.
- Rainfall data for Scottsdale ALERT raingages.
- Analytical Data Tables.
- Data Validation Tables.
- Lab Reports.
- Quality Control Data.
- Chain of Custody Forms.
- Operation and maintenance and storm event log sheets.

STORM HYDROGRAPHS

SCOTTSDALE CAMELBACK
STORM EVENT OF April 15, 2003



NPDES RAINGAGES

City of
Scottsdale
Gaged
Rainfall



Stormwater Station												
Location	McKellips											
	January 2003	February 2003	March 2003	April 2003	May 2003	June 2003	July 2003	August 2003	September 2003	October 2003	November 2003	December 2003
1												
2												
3												
4												
5												
6												
7												
8	0.38											
9												
10												
11												
12		0.06										
13		1.66										
14		0.42										
15		0.01		0.23								
16												
17												
18												
19												
20												
21												
22												
23												
24												
25		1.01										
26		0.04										
27												
28												
29												
30												
31												
Month Total	0.38	3.20	0.00	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STATION SHUT DOWN

City of Scottsdale Gaged Rainfall													
Stormwater Station													
Location	Pierce												
		January 2003	February 2003	March 2003	April 2003	May 2003	June 2003	July 2003	August 2003	September 2003	October 2003	November 2003	December 2003
1													
2													
3													
4													
5													
6													
7													
8		0.42											
9		0.01											
10													
11													
12			0.08										
13			1.33										
14			0.52										
15					0.19								
16													
17													
18													
19													
20													
21													
22													
23													
24													
25			0.90										
26			0.13										
27													
28													
29													
30													
31													
Month Total		0.43	2.96	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STATION SHUT DOWN

City of
Scottsdale
Gaged
Rainfall



Stormwater Station													
Location		Camelback											
		January 2003	February 2003	March 2003	April 2003	May 2003	June 2003	July 2003	August 2003	September 2003	October 2003	November 2003	December 2003
1													
2													
3													
4													
5													
6													
7													
8		0.41											
9		0.02											
10													
11													
12			0.11										
13			1.48										
14			0.43										
15			0.01		0.30								
16													
17													
18													
19													
20													
21													
22													
23													
24													
25			0.89										
26			0.01										
27													
28													
29													
30													
31													
Month Total		0.43	2.93	0.00	0.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STATION SHUT DOWN

City of
Scottsdale
Gaged
Rainfall



Stormwater Station													
Location		Hayden											
		January 2003	February 2003	March 2003	April 2003	May 2003	June 2003	July 2003	August 2003	September 2003	October 2003	November 2003	December 2003
1													
2													
3													
4													
5													
6													
7													
8	0.41												
9	0.03												
10													
11													
12			0.06										
13			1.66										
14			0.42										
15			0.01		0.27								
16													
17													
18													
19													
20													
21													
22													
23													
24													
25			0.88										
26			0.03										
27													
28													
29													
30													
31													
Month Total		0.44	3.06	0.00	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STATION SHUT DOWN

City of
Scottsdale
Gaged
Rainfall



Stormwater Station												
Location	Thunderbird											
	January 2003	February 2003	March 2003	April 2003	May 2003	June 2003	July 2003	August 2003	September 2003	October 2003	November 2003	December 2003
1												
2												
3												
4												
5												
6												
7												
8	0.42											
9	0.06											
10												
11												
12		0.09										
13		1.35										
14		1.19										
15		0.03		0.34								
16												
17												
18												
19												
20												
21												
22												
23												
24												
25		0.51										
26		0.12										
27												
28												
29												
30												
31												
Month Total	0.48	3.29	0.00	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STATION SHUT DOWN

ALERT RAINGAGES

ANALYTICAL DATA TABLES

Analytical Data Table

SCOTTSDALE

Camelback

April 15, 2003

Date of sampling	4/15/2003
Representative Storm Event	YES
Agency Collecting sample	FCD
Agency Analyzing Sample	DEL MAR
Composite Sampling Duration (minutes) (DRN)	294
Storm Duration (minutes)	144
Instantaneous Discharge (cfs)	0.89
Preceding Dry Period within 72 hr. rule	29
Total Storm Rainfall (inch)	0.3
Maximum 5-minute rain intensity (in/hr)(max5)	0.11
Sample Temperature (deg. C)	4
Effluent Temperature (deg. C)	6
pH, Effluent (standard units)	5
BOD5 (mg/l)	43
COD High Level (mg/l)	INSUFFICIENT SAMPLE
Fecal Coliform (MPN/100mL)	350
Fecal Streptococci (MPN/100mL)	13000
Total Dissolved Solids (mg/l)	280
Total Suspended Solids (mg/l)	21
Nitrogen No2 + No3, Total (mg/l as N)	0.82
Nitrogen Ammonia Total (mg/l as N)	1.80
Phosphorous Total (mg/l as P)	INSUFFICIENT SAMPLE
Phosphorous Ortho (mg/l as P)	ND
Oil and Grease Total Recoverable (mg/l)	ND
Calcium (mg/l)	26
Hardness (mg/l)	91
Magnesium Total Recoverable (ug/l)	6300
Cadmium Total Recoverable (ug/l as Cd)	ND
Cadmium Dissolved (ug/l as Cd)	INSUFFICIENT SAMPLE
Chromium Total Recoverable (ug/l as Cr)	4.3
Chromium Dissolved (ug/l as Cr)	INSUFFICIENT SAMPLE
Copper, Total Recoverable, (ug/l as Cu)	50
Copper, Dissolved, (ug/l as Cu)	INSUFFICIENT SAMPLE
Lead, Total Recoverable, (ug/l as Pb)	6.2
Lead, Dissolved, (ug/l as Pb)	INSUFFICIENT SAMPLE
Nickel, Total Recoverable, (ug/l as Ni)	7.9
Nickel, Dissolved, (ug/l as Ni)	INSUFFICIENT SAMPLE
Zinc, Total Recoverable, (ug/l as Zn)	230
Zinc, Dissolved, (ug/l as Zn)	INSUFFICIENT SAMPLE
TKN Nitrogen (mg/l as N)	INSUFFICIENT SAMPLE

Analytical Data Table

SCOTTSDALE

Hayden

April 15, 2003

Date of sampling	4/15/2003
Representative Storm Event	NO
Agency Collecting sample	FCD
Agency Analyzing Sample	DEL MAR
Composite Sampling Duration (minutes) (DRN)	NA
Storm Duration (minutes)	156
Instantaneous Discharge (cfs)	1.16
Proceeding Dry Period within 72 hr. rule	29
Total Storm Rainfall (inch)	0.22
Maximum 5-minute rain intensity (in/hr)(max5)	0.13
Sample Temperature (deg. C)	4
Effluent Temperature (deg. C)	5
pH, Effluent (standard units)	6
Fecal Coliform (MPN/100mL)	1300
Fecal Streptococci (MPN/100mL)	50000
Oil and Grease Total Recoverable (mg/l)	ND

SCOTTSDALE

THUNDERBIRD

April 15, 2003

Date of sampling	4/15/2003
Representative Storm Event	NO
Agency Collecting sample	FCD
Agency Analyzing Sample	DEL MAR
Composite Sampling Duration (minutes) (DRN)	NA
Storm Duration (minutes)	113
Instantaneous Discharge (cfs)	1.16
Proceeding Dry Period within 72 hr. rule	29
Total Storm Rainfall (inch)	0.34
Maximum 5-minute rain intensity (in/hr)(max5)	0.1
Sample Temperature (deg. C)	4
Effluent Temperature (deg. C)	6
pH, Effluent (standard units)	5
Fecal Coliform (MPN/100mL)	130
Fecal Streptococci (MPN/100mL)	11000
Oil and Grease Total Recoverable (mg/l)	1.0
	1.6

DATA VALIDATION TABLES

Data Validation Sheet

SCOTTSDALE

Cameback

April 15, 2003

	Method	Result	Units	Required Method Detection Limit	Flags	Date Analyzed	Allowable Holding Time	Required MS/MSD Precision (% RPD)	Actual MS/MSD Precision (%RPD)	Required Sample Duplication Precision (% RPD)	Actual Sample Duplication Precision (% RPD)	Other QA/QC Comments (out of spec)	Field Blank Detects
Sample Temperature (deg. C)	FIELD	4	C			4/15/2003	LAB						
Effluent Temperature (deg. C)	FIELD	6	C			4/15/2003	Immediate						
pH, Effluent (standard units)	FIELD	5				4/15/2003	Immediate						
BOD5 (mg/l)	405.1	43	mg/l	2		4/21/2003	48 hours			<30	n/a		
COD High Level (mg/l)	410.4	INSUFFICIENT SAMPLE	mg/l	20			28 days			<30	n/a		
Fecal Coliform (MPN/100mL)	9221E	350	MPN/100ml	2		4/18/2003	6 hours			<30	n/a		
Fecal Streptococci (MPN/100mL)	9230B	13000	MPN/100ml	2		4/18/2003	6 hours			<30	n/a		
Total Dissolved Solids (mg/l)	2540C	280	mg/l	20		4/22/2003	7 days			<15	n/a		
Total Suspended Solids (mg/l)	160.2	21	mg/l	10		4/16/2003	7 days			<15	n/a		
Nitrogen No2 + No3, Total (mg/l as N)	353.2	0.82	mg/l	0.1		2/26/2003				<15	n/a		
Nitrogen Ammonia Total (mg/l as N)	350.2	1.80	mg/l	0.1		4/24/2003	28 days						
Phosphorous Total (mg/l as P)	365.3	INSUFFICIENT SAMPLE	mg/l	0.05			28 days			<15	3.5		
Phosphorous Ortho (mg/l as P)	365.3	ND	mg/l	0.05		4/15/2003	48 hours			<15	0		
Oil and Grease Total Recoverable (mg/l)	413.2	ND	mg/l	0.2		4/18/2003	7/40	<30	n/a	<50	n/a		
Calcium (mg/l)	200.7	26	mg/l	2		4/22/2003	6 months						
Hardness (mg/l)	2340B	91	mg/l	1		4/15/2003	6 months			<15	n/a		
Magnesium Total Recoverable (ug/l)	200.7	6300	ug/l	500		4/22/2003	6 months						
Cadmium Total Recoverable (ug/l as Cd)	200.9	ND	ug/l	10		4/23/2003	6 months	<25		<35			
Cadmium Dissolved (ug/l as Cd)	200.9	INSUFFICIENT SAMPLE	ug/l	0.5			6 months						
Chromium Total Recoverable (ug/l as Cr)	200.9	4.3	ug/l	4		4/23/2003	6 months	<25		<35			
Chromium Dissolved (ug/l as Cr)	200.9	INSUFFICIENT SAMPLE	ug/l	4			6 months						
Copper, Total Recoverable, (ug/l as Cu)	200.9	50	ug/l	4		4/23/2003	6 months	<25		<35			
Copper, Dissolved, (ug/l as Cu)	200.9	INSUFFICIENT SAMPLE	ug/l	4			6 months						
Lead, Total Recoverable, (ug/l as Pb)	3113B	6.2	ug/l	2		4/23/2003	6 months	<25		<35			
Lead, Dissolved, (ug/l as Pb)	200.9	INSUFFICIENT SAMPLE	ug/l	2			6 months						
Nickel, Total Recoverable, (ug/l as Ni)	200.9	7.9	ug/l	4		4/23/2003	6 months	<25		<35			
Nickel, Dissolved, (ug/l as Ni)	200.9	INSUFFICIENT SAMPLE	ug/l	4			6 months						
Zinc, Total Recoverable, (ug/l as Zn)	200.7	230	ug/l	1		4/23/2003	6 months	<25		<35			
Zinc, Dissolved, (ug/l as Zn)	200.7	INSUFFICIENT SAMPLE	ug/l	50			6 months						
TKN Nitrogen (mg/l as N)	351.2	INSUFFICIENT SAMPLE	mg/l	0.5			28 days						

Data Validation Sheet

SCOTTSDALE

Hayden

April 15, 2003

	Method	Result	Units	Required Method Detection Limit	Flags	Date Analyzed	Allowable Holding Time	Required MS/MSD Precision (%RPD)	Actual MS/MSD Precision (%RPD)	Required Sample Duplication Precision (%RPD)	Actual Sample Duplication Precision (%RPD)	Other QA/QC Comments (out of spec)	Field Blank Detects
Sample Temperature (deg. C)	FIELD	4	C			4/15/2003	LAB						
Effluent Temperature (deg. C)	FIELD	5	C			4/15/2003	Immediate						
pH, Effluent (standard units)	FIELD	6				4/15/2003	Immediate						
BOD5 (mg/l)	405.1		mg/l	2			48 hours			<30	n/a		
COD High Level (mg/l)	410.4		mg/l	20			28 days			<30	n/a		
Fecal Coliform (MPN/100mL)	9221E	1300	MPN/100ml	2		4/18/2003	6 hours			<30	n/a		
Fecal Streptococci (MPN/100mL)	9230B	5000	MPN/100ml	2		4/18/2003	6 hours			<30	n/a		
Total Dissolved Solids (mg/l)	2540C		mg/l	20		4/22/2003	7 days			<15	n/a		
Total Suspended Solids (mg/l)	160.2		mg/l	10			7 days			<15	n/a		
Nitrogen No2 + No3, Total (mg/l as N)	353.2		mg/l	0.1						<15	n/a		
Nitrogen Ammonia Total (mg/l as N)	350.2		mg/l	0.1			28 days						
Phosphorous Total (mg/l as P)	365.3		mg/l	0.05			28 days			<15	3.5		
Phosphorous Ortho (mg/l as P)	365.3		mg/l	0.05			48 hours			<15	0		
Oil and Grease Total Recoverable (mg/l)	413.2	ND	mg/l	0.2		4/18/2003	7/40	<30	n/a	<50	n/a		
Calcium (mg/l)	200.7		mg/l	2			6 months						
Hardness (mg/l)	2340B		mg/l	1			6 months			<15	n/a		
Magnesium Total Recoverable (ug/l)	200.7		ug/l	500			6 months						
Cadmium Total Recoverable (ug/l as Cd)	200.9		ug/l	10			6 months	<25		<35			
Cadmium Dissolved (ug/l as Cd)	200.9		ug/l	0.5			6 months						
Chromium Total Recoverable (ug/l as Cr)	200.9		ug/l	4			6 months	<25		<35			
Chromium Dissolved (ug/l as Cr)	200.9		ug/l	4			6 months						
Copper, Total Recoverable, (ug/l as Cu)	200.9		ug/l	4			6 months	<25		<35			
Copper, Dissolved, (ug/l as Cu)	200.9		ug/l	4			6 months						
Lead, Total Recoverable, (ug/l as Pb)	3113B		ug/l	2			6 months	<25		<35			
Lead, Dissolved, (ug/l as Pb)	200.9		ug/l	2			6 months						
Nickel, Total Recoverable, (ug/l as Ni)	200.9		ug/l	4			6 months	<25		<35			
Nickel, Dissolved, (ug/l as Ni)	200.9		ug/l	4			6 months						
Zinc, Total Recoverable, (ug/l as Zn)	200.7		ug/l	1			6 months	<25		<35			
Zinc, Dissolved, (ug/l as Zn)	200.7		ug/l	50			6 months						
TKN Nitrogen (mg/l as N)	351.2		mg/l	0.5			28 days						

Data Validation Sheet

SCOTTSDALE

Thunderbird

April 15, 2003

	Method	Result	Units	Required Method Detection Limit	Flags	Date Analyzed	Allowable Holding Time	Required MS/MSD Precision (%RPD)	Actual MS/MSD Precision (%RPD)	Required Sample Duplication Precision (%RPD)	Actual Sample Duplication Precision (%RPD)	Other QA/QC Comments (out of spec)	Field Blank Detects
Sample Temperature (deg. C)	FIELD	4	C			4/15/2003	LAB						
Effluent Temperature (deg. C)	FIELD	6	C			4/15/2003	Immediate						
pH, Effluent (standard units)	FIELD	5				4/15/2003	Immediate						
BOD5 (mg/l)	405.1		mg/l	2			48 hours			<30	n/a		
COD High Level (mg/l)	410.4		mg/l	20			28 days			<30	n/a		
Fecal Coliform (MPN/100mL)	9221E	130.0	MPN/100ml	2		4/18/2003	6 hours			<30	n/a		
Fecal Streptococci (MPN/100mL)	9230B	11000	MPN/100ml	2		4/18/2003	6 hours			<30	n/a		
Total Dissolved Solids (mg/l)	2540C	280	mg/l	20		4/22/2003	7 days			<15	n/a		
Total Suspended Solids (mg/l)	160.2		mg/l	10			7 days			<15	n/a		
Nitrogen No2 + No3, Total (mg/l as N)	353.2		mg/l	0.1						<15	n/a		
Nitrogen Ammonia Total (mg/l as N)	350.2		mg/l	0.1			28 days						
Phosphorous Total (mg/l as P)	365.3		mg/l	0.05			28 days			<15	3.5		
Phosphorous Ortho (mg/l as P)	365.3		mg/l	0.05			48 hours			<15	0		
Oil and Grease Total Recoverable (mg/l)	413.2	1	mg/l	0.2		4/18/2003	7/40	<30	n/a	<50	n/a		
Calcium (mg/l)	200.7		mg/l	2			6 months						
Hardness (mg/l)	2340B		mg/l	1			6 months			<15	n/a		
Magnesium Total Recoverable (ug/l)	200.7		ug/l	500			6 months						
Cadmium Total Recoverable (ug/l as Cd)	200.9		ug/l	10			6 months	<25		<35			
Cadmium Dissolved (ug/l as Cd)	200.9		ug/l	0.5			6 months						
Chromium Total Recoverable (ug/l as Cr)	200.9		ug/l	4			6 months	<25		<35			
Chromium Dissolved (ug/l as Cr)	200.9		ug/l	4			6 months						
Copper, Total Recoverable, (ug/l as Cu)	200.9		ug/l	4			6 months	<25		<35			
Copper, Dissolved, (ug/l as Cu)	200.9		ug/l	4			6 months						
Lead, Total Recoverable, (ug/l as Pb)	3113B		ug/l	2			6 months	<25		<35			
Lead, Dissolved, (ug/l as Pb)	200.9		ug/l	2			6 months						
Nickel, Total Recoverable, (ug/l as Ni)	200.9		ug/l	4			6 months	<25		<35			
Nickel, Dissolved, (ug/l as Ni)	200.9		ug/l	4			6 months						
Zinc, Total Recoverable, (ug/l as Zn)	200.7		ug/l	1			6 months	<25		<35			
Zinc, Dissolved, (ug/l as Zn)	200.7		ug/l	50			6 months						
TKN Nitrogen (mg/l as N)	351.2		mg/l	0.5			28 days						

LAB REPORTS



LABORATORY REPORT

Prepared For: Maricopa County -Flood Control District
 2801 West Durango Street
 Phoenix, AZ 85009
 Attention: Matt Oller

Project: Scottsdale NPDES Stormwater

Sampled: 04/15/03
 Received: 04/15/03
 Issued: 04/21/03

AZ DHS #AZ0426

The results listed within this Laboratory Report pertain only to the samples tested in the laboratory. All soil samples are reported on a wet weight basis unless otherwise noted in the report. This Laboratory Report is confidential and is intended for the sole use of Del Mar Analytical and its client. This report shall not be reproduced, except in full, without written permission from Del Mar Analytical. This entire report was reviewed and approved for release.

CASE NARRATIVE

- SAMPLE RECEIPT:** Samples were received intact, at 4°C, on ice and with chain of custody documentation.
- HOLDING TIMES:** Holding times were met.
- PRESERVATION:** Samples requiring preservation were verified prior to sample analysis.
- QA/QC CRITERIA:** All analyses met method criteria, except as noted in the report with data qualifiers.
- COMMENTS:** No significant observations were made.
- SUBCONTRACTED:** No analyses were subcontracted to an outside laboratory.

LABORATORY ID

PMD0319-01
 PMD0319-02
 PMD0319-03

CLIENT ID

Hayden
 Camelback
 Thunderbird

MATRIX

Water
 Water
 Water

FLOOD CONTROL DISTRICT	
RECEIVED	
APR 24 '03	
IC & SV	FINANCE
IPID	LANDS
ADMIN	IC & M
REG	P & EM
TECH	FILE
CONTRACTS	
ROUTING	MAO

[Signature]
 Del Mar Analytical - Phoenix
 Linda Eshelman
 Project Manager



Maricopa County -Flood Control District 801 West Durango Street Phoenix, AZ 85009 Attention: Matt Oller	Project ID: Scottsdale NPDES Stormwater Report Number: PMD0319	Sampled: 04/15/03 Received: 04/15/03
--	---	---

TOTAL RECOVERABLE OIL & GREASE (EPA 413.2)

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PMD0319-01 (Hayden - Water)				Sampled: 04/15/03				
Reporting Units: mg/l								
Oil & Grease	EPA 413.2	P3D1826	1.0	ND	1.02	4/18/03	4/18/03	
Sample ID: PMD0319-02 (Camelback - Water)				Sampled: 04/15/03				
Reporting Units: mg/l								
Oil & Grease	EPA 413.2	P3D1826	1.0	ND	1.02	4/18/03	4/18/03	
Sample ID: PMD0319-03 (Thunderbird - Water)				Sampled: 04/15/03				
Reporting Units: mg/l								
Oil & Grease	EPA 413.2	P3D1826	1.0	1.6	1.06	4/18/03	4/18/03	

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 Linda Eshelman
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Maricopa County -Flood Control District 2801 West Durango Street Phoenix, AZ 85009 Attention: Matt Oller	Project ID: Scottsdale NPDES Stormwater Report Number: PMD0319	Sampled: 04/15/03 Received: 04/15/03
---	---	---

MICROBIOLOGICALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PMD0319-01 (Hayden - Water)				Sampled: 04/15/03				
Reporting Units: MPN/100 ml								
Fecal Coliform	SM 9221E	P3D1617	2.0	1300	1	4/15/03	4/17/03	
Fecal Streptococcus	SM9230B	P3D1617	2.0	50000	1	4/15/03	4/18/03	
Sample ID: PMD0319-02 (Camelback - Water)				Sampled: 04/15/03				
Reporting Units: MPN/100 ml								
Fecal Coliform	SM 9221E	P3D1617	2.0	350	1	4/15/03	4/18/03	
Fecal Streptococcus	SM9230B	P3D1617	2.0	13000	1	4/15/03	4/18/03	
Sample ID: PMD0319-03 (Thunderbird - Water)				Sampled: 04/15/03				
Reporting Units: MPN/100 ml								
Fecal Coliform	SM 9221E	P3D1617	2.0	130	1	4/15/03	4/18/03	
Fecal Streptococcus	SM9230B	P3D1617	2.0	11000	1	4/15/03	4/18/03	

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Maricopa County -Flood Control District 2801 West Durango Street Phoenix, AZ 85009 Attention: Matt Oller	Project ID: Scottsdale NPDES Stormwater Report Number: PMD0319	Sampled: 04/15/03 Received: 04/15/03
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SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Hayden (PMD0319-01) - Water					
SM 9221E	0	04/15/2003 05:25	04/15/2003 06:50	04/15/2003 08:35	04/17/2003 10:08
M9230B	0	04/15/2003 05:25	04/15/2003 06:50	04/15/2003 08:35	04/18/2003 09:15
Sample ID: Camelback (PMD0319-02) - Water					
SM 9221E	0	04/15/2003 05:00	04/15/2003 06:50	04/15/2003 08:45	04/18/2003 09:12
M9230B	0	04/15/2003 05:00	04/15/2003 06:50	04/15/2003 08:45	04/18/2003 09:15
Sample ID: Thunderbird (PMD0319-03) - Water					
SM 9221E	0	04/15/2003 04:20	04/15/2003 06:50	04/15/2003 08:50	04/18/2003 09:12
M9230B	0	04/15/2003 04:20	04/15/2003 06:50	04/15/2003 08:50	04/18/2003 09:15

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 Linda Eshelman
 Project Manager



Maricopa County -Flood Control District 2801 West Durango Street Phoenix, AZ 85009 Attention: Matt Oller	Project ID: Scottsdale NPDES Stormwater Report Number: PMD0319	Sampled: 04/15/03 Received: 04/15/03
---	---	---

METHOD BLANK/QC DATA

TOTAL RECOVERABLE OIL & GREASE (EPA 413.2)

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Data Qualifiers
<u>Batch: P3D1826 Extracted: 04/18/03</u>										
Blank Analyzed: 04/18/03 (P3D1826-BLK1)										
Oil & Grease	ND	1.0	mg/l							
CS Analyzed: 04/18/03 (P3D1826-BS1)										
Oil & Grease	10.8	1.0	mg/l	10.0		108	85-135			
CS Dup Analyzed: 04/18/03 (P3D1826-BSD1)										
Oil & Grease	10.5	1.0	mg/l	10.0		105	85-135	3	15	

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Maricopa County -Flood Control District
2801 West Durango Street
Phoenix, AZ 85009
Attention: Matt Oller

Project ID: Scottsdale NPDES Stormwater

Report Number: PMD0319

Sampled: 04/15/03

Received: 04/15/03

DATA QUALIFIERS AND DEFINITIONS

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.

RPD Relative Percent Difference

Del Mar Analytical - Phoenix
Linda Eshelman
Project Manager





LABORATORY REPORT

Prepared For: Maricopa County -Flood Control District
 2801 West Durango Street
 Phoenix, AZ 85009
 Attention: Matt Oller

Project: Scottsdale NPDES Stormwater

Sampled: 04/15/03
 Received: 04/15/03
 Issued: 04/25/03

AZ DHS #AZ0426

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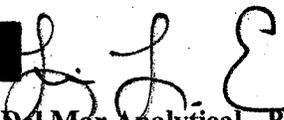
CASE NARRATIVE

- SAMPLE RECEIPT: Samples were received intact, at 5°C, on ice and with chain of custody documentation.
- HOLDING TIMES: Holding times were met.
- PRESERVATION: Samples requiring preservation were verified prior to sample analysis.
- QA/QC CRITERIA: All analyses met method criteria, except as noted in the report with data qualifiers.
- COMMENTS: We were unable to analyze the TKN, COD, Dissolved Metals and Phosphorus due to insufficient sample volume received.
- SUBCONTRACTED: Refer to the last page for specific subcontract laboratory information included in this report.

LABORATORY ID
 PMD0335-01

CLIENT ID
 Camelback

MATRIX
 Water


 Del Mar Analytical - Phoenix
 Linda Eshelman
 Project Manager



Maricopa County -Flood Control District
 801 West Durango Street
 Phoenix, AZ 85009
 Attention: Matt Oller

Project ID: Scottsdale NPDES Stormwater

Report Number: PMD0335

Sampled: 04/15/03
 Received: 04/15/03

TOTAL RECOVERABLE METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PMD0335-01 (Camelback - Water)								
Reporting Units: mg/l								
Calcium	EPA 200.7	P3D2106	2.0	26	1	4/21/03	4/22/03	
Magnesium	EPA 200.7	P3D2106	0.50	6.3	1	4/21/03	4/22/03	
Zinc	EPA 200.7	P3D2106	0.050	0.23	1	4/21/03	4/23/03	

Del Mar Analytical - Phoenix

Linda Eshelman
 Project Manager



Maricopa County - Flood Control District
 2801 West Durango Street
 Phoenix, AZ 85009
 Attention: Matt Oller

Project ID: Scottsdale NPDES Stormwater

Report Number: PMD0335

Sampled: 04/15/03
 Received: 04/15/03

INORGANICS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PMD0335-01 (Camelback - Water)								
Reporting Units: mg/l								
Ammonia-N	EPA 350.3	P3D2405	0.50	1.8	10	4/24/03	4/24/03	
Biochemical Oxygen Demand	EPA 405.1	P3D1809	2.0	43	1	4/16/03	4/21/03	
Hardness (CaCO3)	SM2340B	P3D2106	1.0	91	1	4/21/03	4/22/03	
Orthophosphate	EPA 300.0	P3D1501	0.50	ND	1	4/15/03	4/15/03	
Total Dissolved Solids	SM2540C	P3D2217	20	280	1	4/22/03	4/22/03	
Total Suspended Solids	EPA 160.2	P3D1701	10	21	1	4/16/03	4/16/03	

Del Mar Analytical - Phoenix
 Linda Eshelman
 Project Manager

Maricopa County -Flood Control District
 2801 West Durango Street
 Phoenix, AZ 85009
 Attention: Matt Oller

Project ID: Scottsdale NPDES Stormwater

Report Number: PMD0335

Sampled: 04/15/03

Received: 04/15/03

METALS

Analyte	Method	Batch	Reporting Limit	Sample Result	Dilution Factor	Date Extracted	Date Analyzed	Data Qualifiers
Sample ID: PMD0335-01 (Camelback - Water)								
Reporting Units: ug/l								
Cadmium	EPA 200.8	3D21075	1.0	ND	1	4/21/03	4/23/03	
Chromium	EPA 200.8	3D21075	1.0	4.3	1	4/21/03	4/23/03	
Copper	EPA 200.8	3D21075	2.0	50	1	4/21/03	4/23/03	
Lead	EPA 200.8	3D21075	1.0	6.2	1	4/21/03	4/23/03	
Nickel	EPA 200.8	3D21075	1.0	7.9	1	4/21/03	4/23/03	

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2801 West Durango Street
Phoenix, AZ 85009
Attention: Matt Oller

Project ID: Scottsdale NPDES Stormwater

Report Number: PMD0335

Sampled: 04/15/03

Received: 04/15/03

SHORT HOLD TIME DETAIL REPORT

	Hold Time (in days)	Date/Time Sampled	Date/Time Received	Date/Time Extracted	Date/Time Analyzed
Sample ID: Camelback (PMD0335-01) - Water					
EPA 300.0	2	04/15/2003 08:50	04/15/2003 12:38	04/15/2003 09:01	04/15/2003 19:33
EPA 405.1	2	04/15/2003 08:50	04/15/2003 12:38	04/16/2003 14:15	04/21/2003 11:45

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 Phoenix, AZ 85009
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Project ID: Scottsdale NPDES Stormwater

Report Number: PMD0335

Sampled: 04/15/03
 Received: 04/15/03

METHOD BLANK/QC DATA

TOTAL RECOVERABLE METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: P3D2106 Extracted: 04/21/03									
Blank Analyzed: 04/22/03 (P3D2106-BLK1)									
Calcium	ND	2.0	mg/l						
Magnesium	ND	0.50	mg/l						
Zinc	ND	0.050	mg/l						
ICS Analyzed: 04/22/03 (P3D2106-BS1)									
Calcium	10.6	2.0	mg/l	9.99		106 85-115			
Magnesium	10.6	0.50	mg/l	9.99		106 85-115			
Zinc	1.10	0.050	mg/l	0.999		110 85-115			
ICS Dup Analyzed: 04/22/03 (P3D2106-BSD1)									
Calcium	11.0	2.0	mg/l	9.99		110 85-115	4	20	
Magnesium	11.0	0.50	mg/l	9.99		110 85-115	4	20	
Zinc	1.14	0.050	mg/l	0.999		114 85-115	4	20	
Matrix Spike Analyzed: 04/22/03 (P3D2106-MS1) Source: PMD0331-15									
Calcium	15.1	2.0	mg/l	9.99	4.4	107 70-130			
Magnesium	11.2	0.50	mg/l	9.99	0.48	107 70-130			
Zinc	1.22	0.050	mg/l	0.999	0.13	109 70-130			
Matrix Spike Dup Analyzed: 04/22/03 (P3D2106-MSD1) Source: PMD0331-15									
Calcium	15.1	2.0	mg/l	9.99	4.4	107 70-130	0	20	
Magnesium	11.2	0.50	mg/l	9.99	0.48	107 70-130	0	20	
Zinc	1.22	0.050	mg/l	0.999	0.13	109 70-130	0	20	

Del Mar Analytical - Phoenix
 Linda Eshelman
 Project Manager

Maricopa County -Flood Control District
 2801 West Durango Street
 Phoenix, AZ 85009
 Attention: Matt Oller

Project ID: Scottsdale NPDES Stormwater

Report Number: PMD0335

Sampled: 04/15/03
 Received: 04/15/03

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits RPD	RPD Limit	Data Qualifiers
Batch: P3D1501 Extracted: 04/15/03									
Blank Analyzed: 04/15/03 (P3D1501-BLK1)									
Orthophosphate	ND	0.50	mg/l						
CS Analyzed: 04/15/03 (P3D1501-BS1)									
Orthophosphate	5.12	0.50	mg/l	5.00		102	90-110		
CS Dup Analyzed: 04/15/03 (P3D1501-BSD1)									
Orthophosphate	5.42	0.50	mg/l	5.00		108	90-110	6	15
Matrix Spike Analyzed: 04/15/03 (P3D1501-MS1)									
Orthophosphate	48.5	5.0	mg/l	50.0	Source: PMD0307-01RE ND	97	80-120		
Matrix Spike Dup Analyzed: 04/15/03 (P3D1501-MSD1)									
Orthophosphate	48.0	5.0	mg/l	50.0	Source: PMD0307-01RE ND	96	80-120	1	20
Batch: P3D1701 Extracted: 04/16/03									
Blank Analyzed: 04/16/03 (P3D1701-BLK1)									
Total Suspended Solids	ND	10	mg/l						
Duplicate Analyzed: 04/16/03 (P3D1701-DUP1)									
Total Suspended Solids	110	10	mg/l		Source: PMD0316-01 110			0	5
Duplicate Analyzed: 04/16/03 (P3D1701-DUP2)									
Total Suspended Solids	10500	500	mg/l		Source: PMD0282-02 10000			5	5
Reference Analyzed: 04/16/03 (P3D1701-SRM1)									
Total Suspended Solids	30.0	10	mg/l	29.6		101	72-106		

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 Linda Eshelman
 Project Manager

Maricopa County -Flood Control District
 2801 West Durango Street
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Report Number: PMD0335

Sampled: 04/15/03
 Received: 04/15/03

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits RPD	RPD Limit	Data Qualifiers
Batch: P3D1809 Extracted: 04/16/03									
Blank Analyzed: 04/21/03 (P3D1809-BLK1)									
Biochemical Oxygen Demand	ND	2.0	mg/l						
ICS Analyzed: 04/21/03 (P3D1809-BS1)									
Biochemical Oxygen Demand	184	2.0	mg/l	198		93	85-115		
Duplicate Analyzed: 04/21/03 (P3D1809-DUP1)									
Biochemical Oxygen Demand	92.2	2.0	mg/l		Source: PMD0316-01 100			8	20
Duplicate Analyzed: 04/21/03 (P3D1809-DUP2)									
Biochemical Oxygen Demand	257	2.0	mg/l		Source: PMD0364-01 260			1	20
Batch: P3D2217 Extracted: 04/22/03									
Blank Analyzed: 04/22/03 (P3D2217-BLK1)									
Total Dissolved Solids	ND	20	mg/l						
ICS Analyzed: 04/22/03 (P3D2217-BS1)									
Total Dissolved Solids	414	20	mg/l	400		104	80-115		
Duplicate Analyzed: 04/22/03 (P3D2217-DUP1)									
Total Dissolved Solids	948	20	mg/l		Source: PMD0494-01 960			1	5
Duplicate Analyzed: 04/22/03 (P3D2217-DUP2)									
Total Dissolved Solids	348	20	mg/l		Source: PMD0440-02 340			2	5
Batch: P3D2405 Extracted: 04/24/03									
Blank Analyzed: 04/24/03 (P3D2405-BLK1)									
Ammonia-N	ND	0.050	mg/l						

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Maricopa County -Flood Control District
 801 West Durango Street
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 Attention: Matt Oller

Project ID: Scottsdale NPDES Stormwater

Report Number: PMD0335

Sampled: 04/15/03
 Received: 04/15/03

METHOD BLANK/QC DATA

INORGANICS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	Limits RPD	RPD Limit	Data Qualifiers
<u>Batch: P3D2405 Extracted: 04/24/03</u>									
LCS Analyzed: 04/24/03 (P3D2405-BS1)									
Ammonia-N	0.520	0.050	mg/l	0.500		104	85-115		
LCS Dup Analyzed: 04/24/03 (P3D2405-BSD1)									
Ammonia-N	0.486	0.050	mg/l	0.500		97	85-115	7	20
Matrix Spike Analyzed: 04/24/03 (P3D2405-MS1)									
Ammonia-N	0.538	0.050	mg/l	0.500	0.038	100	70-130		
Matrix Spike Dup Analyzed: 04/24/03 (P3D2405-MSD1)									
Ammonia-N	0.567	0.050	mg/l	0.500	0.038	106	70-130	5	20

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 Linda Eshelman
 Project Manager

Maricopa County -Flood Control District
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 Phoenix, AZ 85009
 Attention: Matt Oller

Project ID: Scottsdale NPDES Stormwater

Report Number: PMD0335

Sampled: 04/15/03

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METHOD BLANK/QC DATA

METALS

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD RPD	RPD Limit	Data Qualifiers
Batch: 3D21075 Extracted: 04/21/03									
Blank Analyzed: 04/23/03 (3D21075-BLK1)									
Cadmium	ND	1.0	ug/l						
Chromium	ND	1.0	ug/l						
Copper	ND	2.0	ug/l						
Lead	ND	1.0	ug/l						
Nickel	ND	1.0	ug/l						
LCS Analyzed: 04/23/03 (3D21075-BS1)									
Cadmium	81.2	1.0	ug/l	80.0		102 85-115			
Chromium	77.8	1.0	ug/l	80.0		97 85-115			
Copper	81.1	2.0	ug/l	80.0		101 85-115			
Lead	81.3	1.0	ug/l	80.0		102 85-115			
Nickel	78.7	1.0	ug/l	80.0		98 85-115			
Matrix Spike Analyzed: 04/23/03 (3D21075-MS1) Source: PMD0335-01									
Cadmium	81.1	1.0	ug/l	80.0	0.39	101 70-130			
Chromium	81.8	1.0	ug/l	80.0	4.3	97 70-130			
Copper	130	2.0	ug/l	80.0	50	100 70-130			
Lead	89.7	1.0	ug/l	80.0	6.2	104 70-130			
Nickel	85.4	1.0	ug/l	80.0	7.9	97 70-130			
Matrix Spike Dup Analyzed: 04/23/03 (3D21075-MSD1) Source: PMD0335-01									
Cadmium	82.2	1.0	ug/l	80.0	0.39	102 70-130	1	20	
Chromium	81.0	1.0	ug/l	80.0	4.3	96 70-130	1	20	
Copper	130	2.0	ug/l	80.0	50	100 70-130	0	20	
Lead	88.4	1.0	ug/l	80.0	6.2	103 70-130	1	20	
Nickel	85.2	1.0	ug/l	80.0	7.9	97 70-130	0	20	

Del Mar Analytical - Phoenix
 Linda Eshelman
 Project Manager



Maricopa County -Flood Control District
2801 West Durango Street
Phoenix, AZ 85009
Attention: Matt Oller

Project ID: Scottsdale NPDES Stormwater

Report Number: PMD0335

Sampled: 04/15/03
Received: 04/15/03

DATA QUALIFIERS AND DEFINITIONS

ND Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified.
RPD Relative Percent Difference

Del Mar Analytical - Phoenix
Linda Eshelman
Project Manager



Maricopa County -Flood Control District
 801 West Durango Street
 Phoenix, AZ 85009
 Attention: Matt Oller

Project ID: Scottsdale NPDES Stormwater

Report Number: PMD0335

Sampled: 04/15/03
 Received: 04/15/03

Certification Summary

Subcontracted Laboratories

Del Mar Analytical CA ELAP Cert #1197, AZ DHS Licence #AZ0428 and NV Cert #CA72-2002-63

2852 Alton Parkway - Irvine, CA 92606

Method Performed: EPA 200.8

Samples: PMD0335-01

Transwest Geochem AZ DHS Licence #AZ0133

3725 E. Atlanta Ave Ste 1 - Phoenix, AZ 85040-2961

Analysis Performed: NO3/NO2-N (353.2)

Samples: PMD0335-01

Del Mar Analytical - Phoenix
 Linda Eshelman
 Project Manager



CHAIN OF CUSTODY FORMS



Del Mar Analytical

Scottsdale Grab

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CHAIN OF CUSTODY FORM

Client Name/Address: Flood Control District, 1401 W Durango St, Phoenix AZ 85009
Project Manager: Mark Oller
Sampler: MRO/Rob N
Project/PO Number: Scottsdale NPDES Stormwater
Phone Number: 602-506-4668
Fax Number: 602-506-4601
Analysis Required: Oil & Grease 2, Fecal Coliform, Fecal Strept 1
Sample Description: Hayden, Canoe Back, Travel Blank, Thunder Bird
Sample Matrix: S
Container Type: Misc
of Cont: 4
Sampling Date: 4/15/03
Sampling Time: 05:00, 04:45, 4:25
Preservatives: Yes
Special Instructions: PM DC319-1, 2, 3

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

OPERATION, MAINTENANCE, AND
STORM EVENT LOG SHEETS

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Mckellips		DATE	4/1/03
ARRIVAL TIME	0900	DEPARTURE TIME	0915	SERVICED BY <i>[Signature]</i>
SAMPLER	SIGMA	900	STATION CONDITION: <i>Good</i>	
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK Y / N

STATION DATA COPIED: Y N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	GOOD FAIR POOR	YES NO	YES NO	12.6 volts
SOLAR PANEL	YES 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	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *Start up station for summer season*
change program to summer hours.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	McKellip's Road		DATE	4/3/03
ARRIVAL TIME	0945	DEPARTURE TIME	0958	SERVICED BY (Green) (mo)
SAMPLER	(SIGMA)	900	STATION CONDITION	Good
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK (Y) N

STATION DATA COPIED: Y (N)

	CHECKED/ SERVICED/ CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	(YES) NO	(GOOD) FAIR POOR	(YES) NO	(YES) NO	13.45 13.20 volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	(YES) NO	GOOD FAIR POOR	(YES) NO	YES NO	2/03
SAMPLER DISTRIBUTOR TUBING	(YES) NO	GOOD FAIR POOR	(YES) NO	YES NO	2/03
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 Perform Sampler Rain test, and distributor arm
 Test. Both Passed.
 Re Start program.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Mckellip's Road		DATE	4/7/03
ARRIVAL TIME	0730	DEPARTURE TIME	0740	SERVICED BY <i>Green</i>
SAMPLER	SIGMA	900	STATION CONDITION:	<i>Good</i>
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK: Y N

STATION DATA COPIED: Y N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<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	12.2 cell 12.45 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 checked="" 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	
RAINGAUGE	<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)
CALIBRATE 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	
CALIBRATE SAMPLE VOLUME	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input type="checkbox"/> N/A	<input type="checkbox"/> N/A	mL
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 Station, shut off cell phone for battery charge up.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	McKellins Road		DATE	4/14/03
ARRIVAL TIME	0715	DEPARTURE TIME	0725	SERVICED BY <i>(Signature)</i>
SAMPLER	SIGMA	900	STATION CONDITION:	
SAMPLER	ISCO	6712	STATION CONDITION: <i>Good</i>	

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

STATION DATA COPIED: Y *(N)*

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<i>(YES)</i> NO	<i>(GOOD)</i> FAIR POOR	YES NO	YES NO	12.2 <i>(V)</i> 12.4 <i>(V)</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	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *Check Batteries, cell phone on. Bottles connect*

STORM EVENT LOG SHEET

1. Site: WAC 16.11.22

Your Name: WMO / Bob

2. Date: 4/15/03

Time: 5:45

SAMPLER PARAMETERS

3. Rainfall: 0.23 in

4. Flow: 1 cfs

5. Level: 0 in

6. Velocity: 0 ft/sec

No GRABS No flow

first at 2:40

3:21 last

O&M PARAMETERS

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

No flow 1/2 JAR compressed (good) wind! Clear-

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 N/A cfs

11. pH N/A su

12. Temperature N/A deg. C

GRAB SAMPLES Take grabs from discharge only!

13. Grab samples taken? Yes or No?

14. Preservatives added to bottles? Yes or No?

Cell
37
3

EQUIPMENT CLEANING CHECKLIST

Site

Mckellip's Road

Date

4/16/03

Time

0700

Serviced By:

(Signature)

Shut station down 72 hours

4/25 9/19

Data Downloaded to DTU?

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

Pump approximately 1/2 gallon tap water through tubing.

Pump approximately 1/2 gallon of Liquinox through tubing.

Pump a large quantity of tap water through tubing.

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

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

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

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	McKellips Road		DATE	04/21/03
ARRIVAL TIME	0715	DEPARTURE TIME	0722	SERVICED BY <i>[Signature]</i>
SAMPLER	SIGMA	900	STATION CONDITION: <i>Good</i>	
SAMPLER	ISCO	6712	STATION CONDITION:	

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

STATION DATA COPIED: *Y* / *N*

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<i>YES</i> NO	<i>GOOD</i> FAIR POOR	<i>YES</i> NO	YES NO	12.1 <i>e</i> 12.3 <i>S</i> volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	<i>YES</i> NO	<i>GOOD</i> FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *check Station, Battery power. Turn cell phone off. Let Batteries charge up.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Mckellip's Road		DATE	4/28/03
ARRIVAL TIME	0645	DEPARTURE TIME	0658	SERVICED BY <i>(Pew)</i>
SAMPLER	<u>SIGMA</u>	900	STATION CONDITION	<i>Good</i>
SAMPLER	ISCO	6712	STATION CONDITION	

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<u>YES</u> NO	<u>GOOD</u> FAIR POOR	YES <u>NO</u>	YES <u>NO</u>	12.4 cell 12.25 volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	<u>YES</u> NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *Check batteries, restart program, check date and time on sampler. Turn cell phone on. Regulator working*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Mckellips's Road		DATE	5/11/03
ARRIVAL TIME	0710	DEPARTURE TIME	0720	SERVICED BY <i>[Signature]</i>
SAMPLER	SIGMA	900	STATION CONDITION:	Good
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<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 type="checkbox"/> NO	12.35 12.10 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 checked="" 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	
RAINGAUGE	<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)
CALIBRATE 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	
CALIBRATE SAMPLE VOLUME	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input type="checkbox"/> N/A	<input type="checkbox"/> N/A	mL
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 *No Start program, battery's okay. check level,
Flow out of drain cell phone on. clear drain
outlet of flash.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Mckellips Road		DATE	5/6/03
ARRIVAL TIME	0710	DEPARTURE TIME	0720	SERVICED BY <i>Allen</i>
SAMPLER	<u>SIGMA</u>	900	STATION CONDITION:	<i>Good</i>
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK Y / N

STATION DATA COPIED: Y / N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<u>YES</u> NO	GOOD FAIR POOR	YES NO	<u>YES</u> NO	7.1 cell 12.35 volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	<u>YES</u> NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (Inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *Check station, cell phone battery needs replacing. Restart program. Bring battery in for charge. Check solar panel output 13.2, Good.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Mckellip's Road		DATE	5/8/03
ARRIVAL TIME	0635	DEPARTURE TIME	0645	SERVICED BY: <u>Heard</u>
SAMPLER	<u>SIGMA</u>	900	STATION CONDITION:	<u>Good</u>
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK: Y / N

STATION DATA COPIED: Y / N

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

NOTES / ACTIONS check station, turn cell phone on, Restart
program. Shut phone off.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Mckellip's Road		DATE	5/12/03
ARRIVAL TIME	0705	DEPARTURE TIME	0715	SERVICED BY Allen
SAMPLER	SIGMA	900	STATION CONDITION:	Good
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<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	12.40 12.55 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	
RAINGAUGE	<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)
CALIBRATE 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	
CALIBRATE SAMPLE VOLUME	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input type="checkbox"/> N/A	<input type="checkbox"/> N/A	mL
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 station, battery fluid, turn sampler off

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	McKellip's Road		DATE	5/19/03	
ARRIVAL TIME	0830	DEPARTURE TIME	1836	SERVICED BY	Ren
SAMPLER	SIGMA	900	STATION CONDITION	Good	
SAMPLER	ISCO	6712	STATION CONDITION		

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	12.3 Bot 1 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	
RAINGAUGE	<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)
CALIBRATE 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	
CALIBRATE 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 Regulator working correctly. leave cell phone off
and sampler running

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	McKellip's Road		DATE	5/22/03	
ARRIVAL TIME	0640	DEPARTURE TIME	0645	SERVICED BY	<i>Neil</i>
SAMPLER	SIGMA	900	STATION CONDITION:	<i>Good</i>	
SAMPLER	ISCO	6712	STATION CONDITION:		

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	YES NO	YES NO	12.60 12.85 volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS: *Turn cell phone on, sampler running*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	McKellips Road		DATE	5/28/03
ARRIVAL TIME	0700	DEPARTURE TIME	0712	SERVICED BY: <i>Ren</i>
SAMPLER	SIGMA	900	STATION CONDITION:	<i>Okay</i>
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK: Y / N

STATION DATA COPIED: Y / *N*

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<i>YES</i> NO	<i>GOOD</i> FAIR POOR	<i>YES</i> NO	<i>YES</i> NO	<i>cell 7.0</i> <i>5:12.4 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	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS: *Pull battery on cell phone, replace later today.*
Return 0935 replace battery, restart program battery at 12.6 V

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	McKellip's Road		DATE	6/2/03	
ARRIVAL TIME	0700	DEPARTURE TIME	0715	SERVICED BY	(Signature)
SAMPLER	(SIGMA)	900	STATION CONDITION	(Signature)	
SAMPLER	ISCO	6712	STATION CONDITION		

ENTRY MADE STATION LOG BOOK Y N

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

NOTES / ACTIONS: Both batteries below 12.0 volts. Shut down cell phone and sampler. Next trip I'll check solar panel and tipping bucket.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Mckellip's Road		DATE	6/9/03	
ARRIVAL TIME	0755	DEPARTURE TIME	0810	SERVICED BY	<i>(Signature)</i>
SAMPLER	SIGMA	900	STATION CONDITION:	Good	
SAMPLER	ISCO	6712	STATION CONDITION:		

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	GOOD FAIR <input checked="" type="checkbox"/> POOR	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	11.90 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	
RAINGAUGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	GOOD FAIR POOR	YES NO	YES NO	clean
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, tipping bucket and funnel. Re start program, turn cell phone on. Return and exchange battery's change battery's perform tip test, passed

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Mckellips Road		DATE	6/12/03	
ARRIVAL TIME	0700	DEPARTURE TIME	0715	SERVICED BY	<i>[Signature]</i>
SAMPLER	SIGMA	900	STATION CONDITION:	<i>good</i>	
SAMPLER	ISCO	6712	STATION CONDITION:		

ENTRY MADE STATION LOG BOOK: Y N

STATION DATA COPIED: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<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	12.41 12.25 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	
RAINGAUGE	<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)
CALIBRATE 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	
CALIBRATE SAMPLE VOLUME	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input type="checkbox"/> N/A	<input type="checkbox"/> N/A	mL
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 *Shut off station, wash solar panel.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Mckellip's Road		DATE	6/23/03	
ARRIVAL TIME	0640	DEPARTURE TIME	0648	SERVICED BY	<i>Piero</i>
SAMPLER	SIGMA	900	STATION CONDITION:	<i>Good</i>	
SAMPLER	ISCO	6712	STATION CONDITION:		

ENTRY MADE STATION LOG BOOK: Y N

STATION DATA COPIED: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	CHECKED/ SERVICED/ CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<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	12.25 12.30 volts
SOLAR PANEL	YES 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	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *Check Station Battery's. leave station off.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Pierce Road		DATE	4/1/03
ARRIVAL TIME	0920	DEPARTURE TIME	0930	SERVICED BY <i>(Signature)</i>
SAMPLER	SIGMA	900	STATION CONDITION: <i>Good</i>	
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK Y / N

STATION DATA COPIED: Y / N

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

NOTES / ACTIONS *Start up station for summer season. Change program to summer hours &*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Pierce Road		DATE	4/13/03	
ARRIVAL TIME	1000	DEPARTURE TIME	1015	SERVICED BY <i>(Signature)</i>	
SAMPLER	SIGMA	900	STATION CONDITION <i>Good</i>		
SAMPLER	ISCO	6712	STATION CONDITION		

ENTRY MADE STATION LOG BOOK: Y N

STATION DATA COPIED: Y N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	YES NO	YES NO	13.2c 13.65 volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	GOOD FAIR POOR	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	YES NO	2/03
SAMPLER DISTRIBUTOR TUBING	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	GOOD FAIR POOR	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	YES NO	2/03
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 *Perform Sampler Rain test and distributor arm test.*
Both Passed.
Restart program

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Pierce Road		DATE	4/7/03
ARRIVAL TIME	0745	DEPARTURE TIME	0755	SERVICED BY <i>(Signature)</i>
SAMPLER	SIGMA	900	STATION CONDITION	Good
SAMPLER	ISCO	6712	STATION CONDITION	

ENTRY MADE STATION LOG BOOK (Y) / N

STATION DATA COPIED: Y (N)

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	12.5 cell 12.5 S volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS

check batteries, both good, shut off cell phone for better battery charge. Sweep drain and clear around sensors.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Pierce Road		DATE	4/14/03
ARRIVAL TIME	0730	DEPARTURE TIME	0740	SERVICED BY
SAMPLER	SIGMA	900	STATION CONDITION	Good
SAMPLER	ISCO	6712	STATION CONDITION	

ENTRY MADE STATION LOG BOOK: Y / N

STATION DATA COPIED: Y / N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	YES NO	YES NO	12.4V 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	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS

check batteries, cell phone on, bottles correct.

Sweep around intake sensor, Adjust level.

STORM EVENT LOG SHEET

1. Site: Pine

Your Name: WAD / BIL

2. Date: 4/15/03

Time: 5:30

SAMPLER PARAMETERS

3. Rainfall: 0.19 in

4. Flow: 0 cfs

5. Level: ~~0.15~~ 0.15 in

6. Velocity: 0 ft/sec

first ~ 2:48 ~
last tip 4:17 ~

cell #4

O&M PARAMETERS

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

3/4 of TAR - wind clear

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 No 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 Pierca Road

Date 07/16/03 Time 0725

Serviced By: Green

yes 4/5

Shot off per 72 hours
Data Downloaded to DTU?

clean around sensors, sweep drain

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

Pump approximately 1/2 gallon tap water through tubing.

Pump approximately 1/2 gallon of Liquinox through tubing.

Pump a large quantity of tap water through tubing.

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

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

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

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Pierce Road		DATE	4/21/03
ARRIVAL TIME	0732	DEPARTURE TIME	0742	SERVICED BY <i>(New)</i>
SAMPLER	<u>SIGMA</u>	900	STATION CONDITION:	<i>good</i>
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK: Y / N

STATION DATA COPIED: Y / N

	CHECKED/ SERVICED/ CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<u>YES</u> NO	<u>GOOD</u> FAIR POOR	YES <u>NO</u>	YES NO	12.3e 12.50 volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	<u>YES</u> NO	<u>GOOD</u> FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS

check station batteries, both good,

Turn cell phone off for battery charge.

Intake sensor stolen, end of intake line missing

screen. Replace next run. Pull intake line back into

cover cable - shut sampler off for pump protection

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Pierce Road		DATE	4/22/03
ARRIVAL TIME	0930	DEPARTURE TIME	0950	SERVICED BY
SAMPLER	SIGMA	900	STATION CONDITION:	Good
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK Y N

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

NOTES / ACTIONS Repair and replace intake connection and screen.
clean around sensors.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Pierce Road		DATE	4/28/03	
ARRIVAL TIME	0703	DEPARTURE TIME	0709	SERVICED BY	<i>(Signature)</i>
SAMPLER	SIGMA 900		STATION CONDITION: <i>Good</i>		
SAMPLER	ISCO 6712		STATION CONDITION:		

ENTRY MADE STATION LOG BOOK Y / N

STATION DATA COPIED: Y / N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<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	12.6 cell 12.5 5volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	<input checked="" type="radio"/> YES <input type="radio"/> NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *check batteries, restart program. check date and time. cell phone on.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Pierce Road		DATE	5/11/03	
ARRIVAL TIME	0723	DEPARTURE TIME	0728	SERVICED BY	<i>[Signature]</i>
SAMPLER	<u>SIGMA</u>	900	STATION CONDITION:	<i>Good</i>	
SAMPLER	ISCO	6712	STATION CONDITION:		

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y N

	CHECKED/ SERVICED/ CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<u>YES</u> NO	<u>GOOD</u> FAIR POOR	YES <u>NO</u>	YES NO	12.55 12.3 e volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *check station, battery's, adjust level restart program*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Pierce Road		DATE	5/6/03
ARRIVAL TIME	0725	DEPARTURE TIME	0730	SERVICED BY
SAMPLER	SIGMA	900	STATION CONDITION:	Good
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK Y / N

STATION DATA COPIED: Y / N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	YES NO	YES NO	12.1 cell 12.6 S volts
SOLAR PANEL	YES 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	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS Check station drain, battery's, Re-start program
cell show off.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Pierce Road		DATE	5/8/03
ARRIVAL TIME	0648	DEPARTURE TIME	0655	SERVICED BY: <i>Pen</i>
SAMPLER	SIGMA	900	STATION CONDITION:	<i>Good</i>
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK Y / N

STATION DATA COPIED: Y / N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	YES NO	YES NO	12.30 12.48 volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS

Check station, restart program. Phone on/off.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Pierce Road		DATE	5/12/03	
ARRIVAL TIME	0720	DEPARTURE TIME	0726	SERVICED BY	pen
SAMPLER	SIGMA	900	STATION CONDITION	good	
SAMPLER	ISCO	6712	STATION CONDITION		

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	12.3 C 12.45 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	
RAINGAUGE	<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)
CALIBRATE 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	
CALIBRATE 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 station battery fluid. Turn sampler off.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Pierce Road		DATE	5/19/03	
ARRIVAL TIME	0843	DEPARTURE TIME	0847	SERVICED BY	<i>Alfred</i>
SAMPLER	SIGMA	900	STATION CONDITION:	<i>Good</i>	
SAMPLER	ISCO	6712	STATION CONDITION:		

ENTRY MADE STATION LOG BOOK: Y N

STATION DATA COPIED: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<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	<i>12.3 e</i> <i>12.45 volts</i>
SOLAR PANEL	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	<input type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	
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	
RAINGAUGE	<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	<i>length (feet)</i>
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	<i>depth (inch)</i>
CALIBRATE 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	
CALIBRATE SAMPLE VOLUME	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input type="checkbox"/> N/A	<input type="checkbox"/> N/A	<i>mL</i>
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 *Regulator working correctly. Sampler running, cell phone off. Adjust level, some water in drain from building run off.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Pierce Road		DATE	5/22/03	
ARRIVAL TIME	0649	DEPARTURE TIME	0654	SERVICED BY:	Allen
SAMPLER	SIGMA	900	STATION CONDITION:	Good	
SAMPLER	ISCO	6712	STATION CONDITION:		

ENTRY MADE STATION LOG BOOK Y / N

STATION DATA COPIED: Y / N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<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	12.55 12.9C 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	
RAINGAUGE	<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)
CALIBRATE 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	
CALIBRATE SAMPLE VOLUME	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input type="checkbox"/> N/A	<input type="checkbox"/> N/A	mL
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: Turn cell phone on, sampler running, adjust level

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Pierce Road		DATE	5/28/07	
ARRIVAL TIME	0715	DEPARTURE TIME	0720	SERVICED BY	Jeep
SAMPLER	SIGMA	900	STATION CONDITION:	Good	
SAMPLER	ISCO	6712	STATION CONDITION:		

ENTRY MADE STATION LOG BOOK: Y / N

STATION DATA COPIED: Y / N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<u>YES</u> NO	<u>GOOD</u> FAIR POOR	<u>YES</u> NO	<u>YES</u> NO	Cell No. 7 3.123 volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS: Replace battery for cell piece later run
 Re Start program. New battery 12.6 at 0945

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Oresee Road		DATE	6/2/03	
ARRIVAL TIME	0720	DEPARTURE TIME	0725	SERVICED BY	<i>[Signature]</i>
SAMPLER	SIGMA	900	STATION CONDITION:	<i>[Signature]</i>	
SAMPLER	ISCO	6712	STATION CONDITION:		

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	12.4c 12.65 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	
RAINGAUGE	<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)
CALIBRATE 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	
CALIBRATE SAMPLE VOLUME	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input type="checkbox"/> N/A	<input type="checkbox"/> N/A	mL
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: *Shut down station.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Pierce Road		DATE	6/19/03	
ARRIVAL TIME	0815	DEPARTURE TIME	0828	SERVICED BY: <i>(Signature)</i> <i>(Signature)</i>	
SAMPLER	SIGMA	900	STATION CONDITION: <i>Good</i>		
SAMPLER	ISCO	6712	STATION CONDITION:		

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<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	12.5 Both 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	
RAINGAUGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	GOOD FAIR POOR	YES NO	YES 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: *Check station, tipping bucket and funnel. Restart program turn cell phone on. Perform tip test. "passed"*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Pierce Road		DATE	6/12/03
ARRIVAL TIME	0718	DEPARTURE TIME	0725	SERVICED BY
SAMPLER	SIGMA	900	STATION CONDITION:	Good
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK: Y N

STATION DATA COPIED: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	YES NO	YES NO	12.45 12.00 volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS Shot station down, wash solar panel.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Pierce Road		DATE	6/23/03	
ARRIVAL TIME	0655	DEPARTURE TIME	0708	SERVICED BY	<i>(Signature)</i>
SAMPLER	<u>SIGMA</u>	900	STATION CONDITION:	<i>Good</i>	
SAMPLER	ISCO	6712	STATION CONDITION:		

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y <input checked="" type="checkbox"/> N	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<u>YES</u> NO	<u>GOOD</u> FAIR POOR	YES <u>NO</u>	YES <u>NO</u>	12.20 12.35 volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *Check Station, Battery's Leave Station off.*
Need to Sweep and remove trash. Water flowing from parking lot cleaning. clean next run.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Camelback		DATE	5/1/03	
ARRIVAL TIME	0935	DEPARTURE TIME	0943	SERVICED BY	<i>[Signature]</i>
SAMPLER	SIGMA	900	STATION CONDITION:	Good	
SAMPLER	ISCO	6712	STATION CONDITION:		

ENTRY MADE STATION LOG BOOK Y / N

STATION DATA COPIED: Y / N

	CHECKED/ SERVICED/ CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	GOOD FAIR POOR	YES NO	YES NO	12.6 volts
SOLAR PANEL	YES 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	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (Inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS

Start up summer program. 8 hours

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Cameback Road		DATE	4/3/03	
ARRIVAL TIME	1028	DEPARTURE TIME	1040	SERVICED BY	<i>[Signature]</i>
SAMPLER	SIGMA	900	STATION CONDITION	Good	
SAMPLER	ISCO	6712	STATION CONDITION		

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	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	13.2C 13.45 volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	GOOD FAIR POOR	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	YES NO	2/03
SAMPLER DISTRIBUTOR TUBING	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	GOOD FAIR POOR	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	YES NO	2/03
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 Perform Sampler Rain test and distributor test
Both passed.
Re Start program.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Camelback Road		DATE	4/7/03	
ARRIVAL TIME	0805	DEPARTURE TIME	0818	SERVICED BY	<i>Reem</i>
SAMPLER	<u>SIGMA</u>	900	STATION CONDITION:	<i>Good</i>	
SAMPLER	ISCO	6712	STATION CONDITION:		

ENTRY MADE STATION LOG BOOK Y / N

STATION DATA COPIED: Y N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	12.5 cell 12.5 Safety lev
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *Check batteries, program. Adjust level,
Schedule PT calibration Shut off cell phone.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Camelback Road		DATE	4/14/03	
ARRIVAL TIME	0746	DEPARTURE TIME	0750	SERVICED BY	(Signature)
SAMPLER	SIGMA 900		STATION CONDITION: Good		
SAMPLER	ISCO 6712		STATION CONDITION:		

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	GOOD FAIR POOR	YES NO	YES NO	12.41C 12.45 volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS check Batteries, cell phone on, bottles connect
adjust level.

STORM EVENT LOG SHEET

1. Site: Camelback

Your Name: MR / Bob -

2. Date: 2/15/03

Time: 4:45

SAMPLER PARAMETERS

3. Rainfall: 0.30 in

Light RAIN-

4. Flow: 0.24 cfs

first grab 2:32

5. Level: 2.597 in

cell # 5

6. Velocity: 0.83 ft/sec

O&M PARAMETERS

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

1 Jar + Light RAIN + Wind -

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 0.24 cfs

11. pH 5.0 su

12. Temperature 6.0 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 *come back road*

Date *04/16/03* Time *0750*

Serviced By: *Green*

Yes 4/15

Shut down 72 hours
Data Downloaded to DTU?

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

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

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

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Cameback Road		DATE	4/21/03
ARRIVAL TIME	0750	DEPARTURE TIME	0757	SERVICED BY
SAMPLER	SIGMA	900	STATION CONDITION: Good	
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK Y / N

STATION DATA COPIED: Y / N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	YES NO	YES NO	12.30 12.15 volts
SOLAR PANEL	YES 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	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS check station, batteries, turn cell phone off
for battery charge.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Came/Back Road		DATE	4/28/03	
ARRIVAL TIME	0716	DEPARTURE TIME	0721	SERVICED BY	<i>(Signature)</i>
SAMPLER	SIGMA	900	STATION CONDITION:	<i>(Signature)</i>	
SAMPLER	ISCO	6712	STATION CONDITION:		

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<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	12.6 12.3 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 checked="" 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	
RAINGAUGE	<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)
CALIBRATE 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	
CALIBRATE 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 batteries, time and date. Restart program cell phone on. Flow in drain, PT working and sampler readings.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Camelback Road		DATE	5/1/03	
ARRIVAL TIME	0733	DEPARTURE TIME	0738	SERVICED BY	<i>[Signature]</i>
SAMPLER	SIGMA	900	STATION CONDITION	Good	
SAMPLER	ISCO	6712	STATION CONDITION		

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<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 type="checkbox"/> NO	12.35 12.40 volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS check station Battery's Restart program

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Camelback Road		DATE	5/6/03
ARRIVAL TIME	0737	DEPARTURE TIME	0745	SERVICED BY: <i>(Pleen)</i>
SAMPLER	<i>(SIGMA)</i>	900	STATION CONDITION:	<i>Good</i>
SAMPLER	ISCO	6712	STATION CONDITION:	

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

STATION DATA COPIED: Y *(N)*

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<i>(YES)</i> NO	<i>(GOOD)</i> FAIR POOR	YES <i>(NO)</i>	YES <i>(NO)</i>	12.3 Both volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *check station, battery's, 12.3 both.*
shot off cell phone, no start program.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Cameback Road		DATE	5/8/03
ARRIVAL TIME	0701	DEPARTURE TIME	0705	SERVICED BY: <i>(Signature)</i>
SAMPLER	<u>SIGMA</u>	900	STATION CONDITION:	<i>good</i>
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK (Y) N

STATION DATA COPIED: Y (N)

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<u>YES</u> NO	<u>GOOD</u> FAIR POOR	YES NO	YES NO	12.7C 12.55 volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *check station, ReStart program, call phone etc*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Camelback Road		DATE	5/12/03
ARRIVAL TIME	0743	DEPARTURE TIME	0750	SERVICED BY: <i>(Jew)</i>
SAMPLER	<u>SIGMA</u>	900	STATION CONDITION:	<i>Good</i>
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK Y / N

STATION DATA COPIED: Y N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<u>YES</u> NO	<u>GOOD</u> FAIR POOR	YES <u>NO</u>	YES <u>NO</u>	<i>12.40</i> <i>12.75 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	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *check station, drain, battery's and fluid, turn*
Sampler off.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Cameback Road		DATE	5/19/03
ARRIVAL TIME	0853	DEPARTURE TIME	0858	SERVICED BY: <i>(Signature)</i>
SAMPLER	<u>SIGMA</u>	900	STATION CONDITION:	<i>Good</i>
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK: Y / N

STATION DATA COPIED: Y / N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<u>YES</u> NO	<u>GOOD</u> FAIR POOR	YES <u>NO</u>	YES <u>NO</u>	12.42 12.65 volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *Regulator working correctly, leave sampler running.*
cell phone OFF.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Camelback Road		DATE	5/22/03
ARRIVAL TIME	0700	DEPARTURE TIME	0705	SERVICED BY: <i>(Signature)</i>
SAMPLER	SIGMA	900	STATION CONDITION: <i>(Signature)</i>	
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK Y / N

STATION DATA COPIED: Y / N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	YES NO	YES NO	12.85 12.66 volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS

Turn cell phone on, sampled running flow in channel, data is being recorded.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Haydon e Golf		DATE	5/28/03
ARRIVAL TIME	0729	DEPARTURE TIME	0746	SERVICED BY: <i>[Signature]</i>
SAMPLER	SIGMA	900	STATION CONDITION:	<i>[Signature]</i>
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	YES NO	YES NO	e 12.3 Solar 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	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS: *check site, Restart program and adjust level.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Came/Back Road		DATE	6/2/03
ARRIVAL TIME	0735	DEPARTURE TIME	0740	SERVICED BY: <i>(Signature)</i>
SAMPLER	SIGMA	900	STATION CONDITION:	<i>Good</i>
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK: Y / N

STATION DATA COPIED: Y / N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<i>12.2 e</i> <i>12.65</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	
RAINGAUGE	<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)
CALIBRATE 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	
CALIBRATE 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: *Shut station down.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Camelback Road		DATE	6/9/03
ARRIVAL TIME	0838	DEPARTURE TIME	0850	SERVICED BY: <i>[Signature]</i>
SAMPLER	SIGMA	900	STATION CONDITION:	<i>Good</i>
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y N

	CHECKED/ SERVICED/ CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	GOOD FAIR POOR	YES <input checked="" type="checkbox"/> NO	YES <input checked="" type="checkbox"/> NO	12.4 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	
RAINGAUGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	GOOD FAIR POOR	YES NO	YES 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: *check station tipping bucket and funnel.*
Restart program and turn cell phone on. Performance
test. "Passed"

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	<i>Cornelback Road</i>		DATE	<i>6/12/03</i>	
ARRIVAL TIME	<i>0738</i>	DEPARTURE TIME	<i>0745</i>	SERVICED BY	<i>[Signature]</i>
SAMPLER	SIGMA	900	STATION CONDITION:		<i>[Signature]</i>
SAMPLER	ISCO	6712	STATION CONDITION:		

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y N

	CHECKED/ SERVICED/ CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<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	<i>12.35</i> <i>12.35</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	
RAINGAUGE	<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)
CALIBRATE 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	
CALIBRATE SAMPLE VOLUME	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input type="checkbox"/> N/A	<input type="checkbox"/> N/A	mL
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 *Shut off station, wash solar panel*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Cameback Road		DATE	6/23/03
ARRIVAL TIME	0720	DEPARTURE TIME	0725	SERVICED BY Rena
SAMPLER	SIGMA	900	STATION CONDITION: Good	
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<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	12.5 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 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 type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	
RAINGAUGE	<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)
CALIBRATE 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	
CALIBRATE SAMPLE VOLUME	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input type="checkbox"/> N/A	<input type="checkbox"/> N/A	mL
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 Station, Battery's. Drain & leave
leave Station off.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Hayden Road		DATE	4/1/03	
ARRIVAL TIME	0950	DEPARTURE TIME	1000	SERVICED BY	Reed ma
SAMPLER	SIGMA	900	STATION CONDITION	Good	
SAMPLER	ISCO	6712	STATION CONDITION		

ENTRY MADE STATION LOG BOOK / N

STATION DATA COPIED: Y / N

	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	12.46 volts
SOLAR PANEL	YES 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	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS Start up Station, Summer program 8405

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Hayden Golf Road		DATE	4/13/03
ARRIVAL TIME	1043	DEPARTURE TIME	1055	SERVICED BY <i>(Signature)</i> <i>(Signature)</i>
SAMPLER	SIGMA	900	STATION CONDITION:	Good
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	GOOD FAIR POOR	YES NO	YES NO	13.25 13.1c volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	GOOD FAIR POOR	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	YES NO	2/03
SAMPLER DISTRIBUTOR TUBING	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	GOOD FAIR POOR	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	YES NO	2/03
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 Perform Sampler Rain test and distributor arm
test. Both Passed.
ReStart program

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Hayden Road		DATE	4/7/03	
ARRIVAL TIME	0821	DEPARTURE TIME	0830	SERVICED BY	<i>Reed</i>
SAMPLER	<u>SIGMA</u>	900	STATION CONDITION	<i>Good</i>	
SAMPLER	ISCO	6712	STATION CONDITION		

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	YES NO	YES NO	12.6 Both volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (Inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *check station, program and batteries.*

Shot off cell phone, irrigation water and

run off from hoses has PT sitting in 0.66 vert

When Rain alarm test performed, sampler starting to

sample. Station okay.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Hayden Road/Golf		DATE	4/14/03
ARRIVAL TIME	0755	DEPARTURE TIME	0805	SERVICED BY <i>Green</i>
SAMPLER	<u>SIGMA</u>	900	STATION CONDITION:	<i>Good</i>
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK: Y N

STATION DATA COPIED: Y N

	CHECKED/ SERVICED/ CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<u>YES</u> NO	<u>GOOD</u> FAIR POOR	YES NO	YES NO	12.3 e 12.4 J volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES/ACTIONS Check Batteries, cell phone on. Bottles correct.
Adjust level, restart program.

STORM EVENT LOG SHEET

1. Site: Hayden

Your Name: WMO/BOB

2. Date: 4/15/03

Time: 5:00

SAMPLER PARAMETERS

3. Rainfall: 0.22 in

4. Flow: 0.71 cfs

5. Level: 8.760 in

6. Velocity: 0.20 ft/sec

O&M PARAMETERS

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

Light FAINT wind - / + JAR

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 0.20 cfs

11. pH 6.0 su

12. Temperature 5.0 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 Hayden/Golf

Date 04/16/03 Time 0805

Serviced By: (Signature)

Shot down for 72 hours

1/0 4/15

Data Downloaded to DTU?

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

Pump approximately 1/2 gallon tap water through tubing.

Pump approximately 1/2 gallon of Liquinox through tubing.

Pump a large quantity of tap water through tubing.

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

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

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

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Hayden Road		DATE	4/21/03	
ARRIVAL TIME	0802	DEPARTURE TIME	0810	SERVICED BY	<i>Jens</i>
SAMPLER	SIEMA	900	STATION CONDITION:	<i>good</i>	
SAMPLER	ISCO	6712	STATION CONDITION:		

ENTRY MADE STATION LOG BOOK *(Y) N*

STATION DATA COPIED: Y <i>(N)</i>	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<i>(YES)</i> NO	<i>(GOOD)</i> FAIR POOR	YES NO	YES NO	12.4C 12.45 volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	<i>(YES)</i> NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *check station, batteries, good, Turn cell phone off for battery charge.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Hayden Golf		DATE	4/28/03	
ARRIVAL TIME	0725	DEPARTURE TIME	0732	SERVICED BY	Green
SAMPLER	SIGMA	900	STATION CONDITION	Good	
SAMPLER	ISCO	6712	STATION CONDITION		

ENTRY MADE STATION LOG BOOK: Y N

STATION DATA COPIED: <input checked="" type="radio"/> Y <input type="radio"/> N	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<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	12.7 ✓ 12.75 volts
SOLAR PANEL	<input type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	<input type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	<input type="radio"/> YES <input type="radio"/> NO	<input type="radio"/> YES <input type="radio"/> NO	
CONNECTION CABLES	<input checked="" type="radio"/> YES <input type="radio"/> NO	<input type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	<input type="radio"/> YES <input type="radio"/> NO	<input type="radio"/> YES <input type="radio"/> NO	
RAINGAUGE	<input type="radio"/> YES <input type="radio"/> NO	<input type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	<input type="radio"/> YES <input type="radio"/> NO	<input type="radio"/> YES <input type="radio"/> NO	
SAMPLE INTAKE TUBING	<input type="radio"/> YES <input type="radio"/> NO	<input type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	<input type="radio"/> YES <input type="radio"/> NO	<input type="radio"/> YES <input type="radio"/> NO	length (feet)
SAMPLER PUMP TUBING	<input type="radio"/> YES <input type="radio"/> NO	<input type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> 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 type="radio"/> NO	<input type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	<input type="radio"/> YES <input type="radio"/> NO	<input type="radio"/> YES <input type="radio"/> NO	
DEPTH SENSOR	<input type="radio"/> YES <input type="radio"/> NO	<input type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	<input type="radio"/> YES <input type="radio"/> NO	<input type="radio"/> YES <input type="radio"/> NO	depth (inch)
CALIBRATE DEPTH SENSOR	<input type="radio"/> YES <input type="radio"/> NO	<input type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	<input type="radio"/> YES <input type="radio"/> NO	<input type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	<input type="radio"/> YES <input type="radio"/> NO	<input type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	N/A	N/A	

NOTES / ACTIONS check batteries, date and time. Restart program cell phone on

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Hayden Cole		DATE	5/1/03
ARRIVAL TIME	0741	DEPARTURE TIME	0746	SERVICED BY <i>(Signature)</i>
SAMPLER	SIGMA	900	STATION CONDITION	<i>Good</i>
SAMPLER	ISCO	6712	STATION CONDITION	

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: <input checked="" type="radio"/> Y <input type="radio"/> N	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<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 type="radio"/> NO	12.4 Volts
SOLAR PANEL	<input type="radio"/> YES <input type="radio"/> NO <input type="radio"/> N/A	<input type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	<input type="radio"/> YES <input type="radio"/> NO	<input type="radio"/> YES <input type="radio"/> NO	
CONNECTION CABLES	<input type="radio"/> YES <input type="radio"/> NO	<input type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	<input type="radio"/> YES <input type="radio"/> NO	<input type="radio"/> YES <input type="radio"/> NO	
RAINGAUGE	<input type="radio"/> YES <input type="radio"/> NO	<input type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	<input type="radio"/> YES <input type="radio"/> NO	<input type="radio"/> YES <input type="radio"/> NO	
SAMPLE INTAKE TUBING	<input type="radio"/> YES <input type="radio"/> NO	<input type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	<input type="radio"/> YES <input type="radio"/> NO	<input type="radio"/> YES <input type="radio"/> NO	length (feet)
SAMPLER PUMP TUBING	<input type="radio"/> YES <input type="radio"/> NO	<input type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> 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 type="radio"/> NO	<input type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	<input type="radio"/> YES <input type="radio"/> NO	<input type="radio"/> YES <input type="radio"/> NO	
DEPTH SENSOR	<input type="radio"/> YES <input type="radio"/> NO	<input type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	<input type="radio"/> YES <input type="radio"/> NO	<input type="radio"/> YES <input type="radio"/> NO	depth (inch)
CALIBRATE DEPTH SENSOR	<input type="radio"/> YES <input type="radio"/> NO	<input type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	<input type="radio"/> YES <input type="radio"/> NO	<input type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	<input type="radio"/> YES <input type="radio"/> NO	<input type="radio"/> GOOD <input type="radio"/> FAIR <input type="radio"/> POOR	N/A	N/A	

NOTES / ACTIONS *check station, battery's, cell phone on*
Restart program

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Hayden Golf		DATE	5/6/03
ARRIVAL TIME	0748	DEPARTURE TIME	0755	SERVICED BY: <i>Gen</i>
SAMPLER	<u>SIGMA</u>	900	STATION CONDITION:	
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK: Y / N

STATION DATA COPIED: Y / (N)

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<u>YES</u> NO	<u>GOOD</u> FAIR POOR	YES <u>NO</u>	YES <u>NO</u>	12.3 Both volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	<u>YES</u> NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *check station battery's 12.3 both cell phone off.
Restart program.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Hayden Golf		DATE	5/8/03
ARRIVAL TIME	0708	DEPARTURE TIME	0720	SERVICED BY: <i>Alan</i>
SAMPLER	SIGMA	900	STATION CONDITION	<i>Good</i>
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK: Y / N

STATION DATA COPIED: Y / N

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

NOTES / ACTIONS *check station, ReStart program, cell phone off*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Hayden Golf		DATE	5/12/03
ARRIVAL TIME	0755	DEPARTURE TIME	0805	SERVICED BY: <i>Sean</i>
SAMPLER	<i>SIGMA</i>	900	STATION CONDITION:	<i>Good</i>
SAMPLER	ISCO	6712	STATION CONDITION:	

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

STATION DATA COPIED: Y / *(N)*

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<i>(YES)</i> NO	<i>(GOOD)</i> FAIR POOR	YES <i>(NO)</i>	YES <i>(NO)</i>	<i>12.9</i> <i>both</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	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *check stations, Battery's and Fluid. Turn sampler off.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Hayden @ Golf		DATE	5/19/03
ARRIVAL TIME	0902	DEPARTURE TIME	0910	SERVICED BY: <i>Quinn</i>
SAMPLER	<u>SIGMA</u>	900	STATION CONDITION:	<i>Good</i>
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK: Y N

STATION DATA COPIED: Y N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<u>YES</u> NO	<u>GOOD</u> FAIR POOR	YES <u>NO</u>	YES <u>NO</u>	12.70 12.85 volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *Regulator working, cell phone off, sampler running.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Hayden & Hall		DATE	5/22/03
ARRIVAL TIME	0709	DEPARTURE TIME	0715	SERVICED BY: (Peele)
SAMPLER	(SIGMA)	900	STATION CONDITION:	(Good)
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK (Y) N

STATION DATA COPIED: Y (N)

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	(YES) NO	(GOOD) FAIR POOR	YES NO	YES NO	12.65 12.4c volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS

Turn cell phone on, sampler running

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Camelback Road		DATE	5/28/03
ARRIVAL TIME	1730	DEPARTURE TIME	0736	SERVICED BY
SAMPLER	SIGMA	900	STATION CONDITION:	Good
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK: Y / N

STATION DATA COPIED: Y / N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	del 12.2 5 12.5 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	
RAINGAUGE	<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)
CALIBRATE 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	
CALIBRATE SAMPLE VOLUME	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input type="checkbox"/> N/A	<input type="checkbox"/> N/A	mL
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, shut off cell until next run. Battery's good. No start program.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Hayden Golf		DATE	6/2/03	
ARRIVAL TIME	0744	DEPARTURE TIME	0755	SERVICED BY	<i>(Signature)</i>
SAMPLER	<i>(Sigma)</i>	900	STATION CONDITION	<i>(Good)</i>	
SAMPLER	ISCO	6712	STATION CONDITION		

ENTRY MADE STATION LOG BOOK *(Y)* N

STATION DATA COPIED: Y *(N)*

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<i>(YES)</i> NO	<i>(GOOD)</i> FAIR POOR	YES <i>(NO)</i>	YES <i>(NO)</i>	12.30 12.55 volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS: *Shut down Station.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Hayden + Coalf		DATE	6/9/03
ARRIVAL TIME	0853	DEPARTURE TIME	0908	SERVICED BY: <i>[Signature]</i> NO
SAMPLER	SIGMA	900	STATION CONDITION:	<i>Good</i>
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK Y / N

STATION DATA COPIED: Y N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<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	12.2c 12.3 J 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	
RAINGAUGE	<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 type="checkbox"/> YES <input checked="" 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 type="checkbox"/> YES <input checked="" 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 type="checkbox"/> YES <input checked="" 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 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 type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input checked="" 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 checked="" 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 checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	N/A	N/A	

NOTES / ACTIONS: *check station, tipping bucket and funnel*
Restart + program and turn cell phone on. Perform
tip test. "Passed"

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Hayden @ Golf		DATE	6/12/03
ARRIVAL TIME	0750	DEPARTURE TIME	0800	SERVICED BY <i>(Signature)</i>
SAMPLER	SIGMA	900	STATION CONDITION:	<i>(Signature)</i>
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK. Y / N

STATION DATA COPIED: Y / N

	CHECKED/ SERVICED/ CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	12.45 12.95 volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS

Shut down station, wash solar panel

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	<i>Hayden e Hoef</i>		DATE	<i>6/23/03</i>	
ARRIVAL TIME	<i>0730</i>	DEPARTURE TIME	<i>0738</i>	SERVICED BY	<i>(Signature)</i>
SAMPLER	<i>(SIGMA)</i>	900	STATION CONDITION:	<i>Good</i>	
SAMPLER	ISCO	6712	STATION CONDITION:		

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

STATION DATA COPIED: Y *(N)*

	CHECKED/ SERVICED/ CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<i>(YES)</i> NO	<i>(GOOD)</i> FAIR POOR	YES <i>(NO)</i>	YES <i>(NO)</i>	<i>12.2</i> <i>12.5</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	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES/ACTIONS

Check Battery's, Station. Leave Station off

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Thunderbird Road		DATE	4/11/03
ARRIVAL TIME	1022	DEPARTURE TIME	1035	SERVICED BY: <i>[Signature]</i>
SAMPLER	SIGMA	900	STATION CONDITION:	<i>[Signature]</i>
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y N

	CHECKED/ SERVICED/ CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	GOOD FAIR POOR	YES NO	YES NO	12.465 volts
SOLAR PANEL	YES 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	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES/ACTIONS

Start up summer program.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Thunderbird Road		DATE	4/3/03	
ARRIVAL TIME	1115	DEPARTURE TIME	1140	SERVICED BY <i>(Red) (Mo)</i>	
SAMPLER	SIGMA	900	STATION CONDITION: <i>Good</i>		
SAMPLER	ISCO	6712	STATION CONDITION:		

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

STATION DATA COPIED: Y *(N)*

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<i>(YES)</i> NO	GOOD FAIR POOR	YES NO	YES NO	<i>12.8v</i> <i>13.05</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	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	<i>(YES)</i> NO	GOOD FAIR POOR	<i>(YES)</i> NO	YES NO	<i>2/03</i>
SAMPLER DISTRIBUTOR TUBING	<i>(YES)</i> NO	GOOD FAIR POOR	<i>(YES)</i> NO	YES NO	<i>2/03</i>
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 *Perform Sampler Rain test and distributor arm test. Both Passed.*

Restart program. Clean tipping bucket screen and funnel.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Thunderbird Road		DATE	4/7/03
ARRIVAL TIME	0849	DEPARTURE TIME	SERVICED BY: <i>Rein</i>	
SAMPLER	<i>SIGMA</i>	900	STATION CONDITION: <i>Good</i>	
SAMPLER	ISCO	6712	STATION CONDITION:	

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

STATION DATA COPIED: Y *(N)*

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<i>(YES)</i> NO	<i>(GOOD)</i> FAIR POOR	YES NO	YES NO	12.4 cell 12.6 <i>Sony Len</i>
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	<i>(YES)</i> NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (Inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS

check station, batteries. Turn off cell phone for battery recharge, review program. Adjust level, some water in drain pipe.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Thunderbird Road		DATE	4/14/03
ARRIVAL TIME	0820	DEPARTURE TIME	0825	SERVICED BY <i>Reed</i>
SAMPLER	<u>SIGMA</u>	900	STATION CONDITION:	<i>Good</i>
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y / N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<u>YES</u> NO	GOOD FAIR POOR	YES NO	YES NO	12.2 C 12.4 S volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS

check station Batteries, call phone on,

Bottles connect adjust level.

STORM EVENT LOG SHEET

1. Site: Thunderbird

Your Name: Joe (New)

2. Date: 4/15/03

Time: 0425

SAMPLER PARAMETERS

3. Rainfall: .30 in

START PIST 7:15 2:30 @
- 4:25 - 0.3 @

4. Flow: 0.06 cfs

5. Level: 0.74 in

6. Velocity: 0.63 ft/sec

O&M PARAMETERS

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

3/4 JAR 1 of Composite LIGHT RAIN -

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 0.08 cfs

11. pH 5 su

12. Temperature 6 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 *Thunderbird Road*

Date *04/16/03* Time *0835*

Serviced By: *(Signature)*

for 4/15

shut down 72 hours
Data Downloaded to DTU?

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

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

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

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Thunderbird Road		DATE	4/21/03	
ARRIVAL TIME	0827	DEPARTURE TIME	0835	SERVICED BY: <i>Reem</i>	
SAMPLER	<i>SIGMA</i>	900	STATION CONDITION: <i>Good</i>		
SAMPLER	ISCO	6712	STATION CONDITION:		

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

STATION DATA COPIED: Y / <i>(N)</i>	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<i>(YES)</i> NO	<i>(GOOD)</i> FAIR POOR	YES NO	YES NO	<i>12.1 e</i> <i>12.45</i> volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	<i>(YES)</i> NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *check station, batteries, good Turn cell phone off for battery charge. Drain clear, remove some trash from drain entry*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Thunderbird Road		DATE	4/28/03	
ARRIVAL TIME	0748	DEPARTURE TIME	0754	SERVICED BY	<i>(Signature)</i>
SAMPLER	SIGMA	900	STATION CONDITION:	Good	
SAMPLER	ISCO	6712	STATION CONDITION:		

ENTRY MADE STATION LOG BOOK: Y / N

STATION DATA COPIED: Y / N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<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	12.70 12.75 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 checked="" 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	
RAINGAUGE	<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)
CALIBRATE 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	
CALIBRATE 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 batteries, date and time, Restart program, cell phone on.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Thunderbird Road		DATE	5/1/03	
ARRIVAL TIME	0805	DEPARTURE TIME	0812	SERVICED BY	(Signature)
SAMPLER	SIGMA	900	STATION CONDITION	Good	
SAMPLER	ISCO	6712	STATION CONDITION		

ENTRY MADE STATION LOG BOOK (Y) N

STATION DATA COPIED: Y (N)	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	12.20 12.45 volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS Check station, Battery's, cell phone on the start program.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Thunderbird Road		DATE	5/16/03	
ARRIVAL TIME	0807	DEPARTURE TIME	0815	SERVICED BY	<i>Alan</i>
SAMPLER	<u>SIGMA</u>	900	STATION CONDITION:	<i>Good</i>	
SAMPLER	ISCO	6712	STATION CONDITION:		

ENTRY MADE STATION LOG BOOK Y / N

STATION DATA COPIED: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<u>GOOD</u> FAIR POOR	YES NO	YES NO	<i>12.1ced</i> <i>12.55</i> volts
SOLAR PANEL	YES 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	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS *check Stations, Battery's, turn cell phone off.*

Re Start program.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Thunderbird Road		DATE	5/8/03
ARRIVAL TIME	0729	DEPARTURE TIME	0735	SERVICED BY: <i>(Signature)</i>
SAMPLER	SIGMA	900	STATION CONDITION:	<i>Good</i>
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y N

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

NOTES / ACTIONS

Check station, ReStart program. Cell phone off

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Thunderbird Road		DATE	5/12/03
ARRIVAL TIME	0820	DEPARTURE TIME	0832	SERVICED BY
SAMPLER	SIGMA	900	STATION CONDITION:	Good
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK: Y N

STATION DATA COPIED: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<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	12.6 both volts
SOLAR PANEL	YES <input type="checkbox"/> NO N/A	GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	YES <input type="checkbox"/> NO	YES <input type="checkbox"/> NO	
CONNECTION CABLES	YES <input type="checkbox"/> NO	GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	YES <input type="checkbox"/> NO	YES <input type="checkbox"/> NO	
RAINGAUGE	YES <input type="checkbox"/> NO	GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	YES <input type="checkbox"/> NO	YES <input type="checkbox"/> NO	
SAMPLE INTAKE TUBING	YES <input type="checkbox"/> NO	GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	YES <input type="checkbox"/> NO	YES <input type="checkbox"/> NO	length (feet)
SAMPLER PUMP TUBING	YES <input type="checkbox"/> NO	GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	YES <input type="checkbox"/> NO	YES <input type="checkbox"/> NO	
SAMPLER DISTRIBUTOR TUBING	YES <input type="checkbox"/> NO	GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	YES <input type="checkbox"/> NO	YES <input type="checkbox"/> NO	
DEPTH SENSOR	YES <input type="checkbox"/> NO	GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	YES <input type="checkbox"/> NO	YES <input type="checkbox"/> NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES <input type="checkbox"/> NO	GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES <input type="checkbox"/> NO	GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES <input type="checkbox"/> NO	GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	N/A	N/A	

NOTES / ACTIONS

check station, battery's and fluid. Turn sampler off
clean in front of drain opening; remove trash.

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Thunderbird Road		DATE	5/19/03	
ARRIVAL TIME	0923	DEPARTURE TIME	0928	SERVICED BY: <i>Jew</i>	
SAMPLER	SIGMA	900	STATION CONDITION:		
SAMPLER	ISCO	6712	STATION CONDITION:		

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y N

	CHECKED/ SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	12.5 Both 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	
RAINGAUGE	<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)
CALIBRATE 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	
CALIBRATE 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 *Regulator working correctly. Leave sampler running*
cell phone OFF

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Thunderbird Road		DATE	5/22/03
ARRIVAL TIME	0732	DEPARTURE TIME	0738	SERVICED BY: <i>New</i>
SAMPLER	<i>SIGMA</i>	900	STATION CONDITION:	<i>Good</i>
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK: *(N)*

STATION DATA COPIED: Y *(N)*

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<i>YES</i> NO	<i>GOOD</i> FAIR POOR	YES NO	YES NO	12.75 12.60 volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS: *Turn cell phone on, sampler running.*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Thunderbird Road		DATE	5/25/03
ARRIVAL TIME	0805	DEPARTURE TIME	SERVICED BY: <i>Reed</i>	
SAMPLER	SIGMA	900	STATION CONDITION: <i>Good</i>	
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK Y / N

STATION DATA COPIED: Y / N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	<i>11.7 512.4 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	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES / ACTIONS

Roll cell phone battery, restart program

1015 replace battery, 12.5V

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Thunderbird Road		DATE	6/2/03
ARRIVAL TIME	0812	DEPARTURE TIME	0815	SERVICED BY: <i>(Signature)</i>
SAMPLER	SIGMA	900	STATION CONDITION:	<i>Good</i>
SAMPLER	ISCO	6712	STATION CONDITION:	

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

STATION DATA COPIED: Y / *(N)*

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

NOTES / ACTIONS

Shot down Station

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Thunderbird Road		DATE	6/19/03
ARRIVAL TIME	0925	DEPARTURE TIME	0940	SERVICED BY: <i>Jim (Mrs)</i>
SAMPLER	<u>SIGMA</u>	900	STATION CONDITION:	<i>Good</i>
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK: Y N

STATION DATA COPIED: Y N

	CHECKED / SERVICED / CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<u>YES</u> NO	GOOD FAIR POOR	YES NO	YES NO	volts
SOLAR PANEL	<u>YES</u> NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	<u>YES</u> NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	<u>YES</u> 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, flipping bucket and funnel.
Re Start program and turn cell phone on. Perform tip
test. "Passed."*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Thunderbird Road		DATE	6/12/03
ARRIVAL TIME	0812	DEPARTURE TIME	0820	SERVICED BY <i>(Signature)</i>
SAMPLER	<u>SIGMA</u>	900	STATION CONDITION: <i>Good</i>	
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y N

	CHECKED/ SERVICED/ CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<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	12.30 12.45 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	
RAINGAUGE	<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)
CALIBRATE 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	
CALIBRATE SAMPLE VOLUME	<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> POOR	<input type="checkbox"/> N/A	<input type="checkbox"/> N/A	mL
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 *Shut down station, wash solar panel*

WATER QUALITY SAMPLER MAINTENANCE LOG SHEET

SITE	Thunderbird Road		DATE	6/23/03
ARRIVAL TIME	0755	DEPARTURE TIME	0805	SERVICED BY
SAMPLER	SIGMA	900	STATION CONDITION: <i>Good</i>	
SAMPLER	ISCO	6712	STATION CONDITION:	

ENTRY MADE STATION LOG BOOK Y N

STATION DATA COPIED: Y N

	CHECKED/ SERVICED/ CALIBRATED	CONDITION	REPLACED?	NEEDS REPLACING?	NOTES
BATTERY VOLTAGE	<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	12.30 12.35 volts
SOLAR PANEL	YES NO N/A	GOOD FAIR POOR	YES NO	YES NO	
CONNECTION CABLES	YES NO	GOOD FAIR POOR	YES NO	YES NO	
RAINGAUGE	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	length (feet)
SAMPLER PUMP TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
SAMPLER DISTRIBUTOR TUBING	YES NO	GOOD FAIR POOR	YES NO	YES NO	
DEPTH SENSOR	YES NO	GOOD FAIR POOR	YES NO	YES NO	depth (inch)
CALIBRATE DEPTH SENSOR	YES NO	GOOD FAIR POOR	N/A	N/A	
CALIBRATE SAMPLE VOLUME	YES NO	GOOD FAIR POOR	N/A	N/A	mL
CLEANED SAMPLE INTAKE TUBING	YES NO	GOOD FAIR POOR	N/A	N/A	

NOTES/ACTIONS *check station, drain and battery's.*
leave station off.