

Laboratory Report

Report ID: 104743

Sierra
Environmental
Monitoring, Inc.

Stillwater Sciences
Attn: Noah Hume
2855 Telegraph Ave., Suite 400
Berkeley, CA 94705

Date: 4/7/2010
Client: STW-90902
Taken by: M. Reymann
PO #: 398.01/1330

Dear Noah Hume,

It is the policy of Sierra Environmental Monitoring, Inc to strictly adhere to a comprehensive Quality Assurance Plan that insures the data presented in this report are both accurate and precise. Sierra Environmental Monitoring, Inc. maintains accreditation in the State of Nevada (NV-15) and the State of California (ELAP 2526).

The data presented in this report were obtained from the analysis of samples received under a chain of custody. Unless otherwise noted below, samples were received in good condition, properly preserved and within the hold time for the requested analyses. Any anomalies associated with the analysis of the samples have been flagged with appropriate explanation in the Analysis Report section of this Laboratory Report.

General Comments:

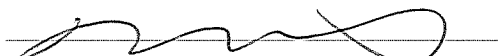
- There are no general comments for this report.

Individual Sample Comments:

- There are no specific comments that are associated with these samples.

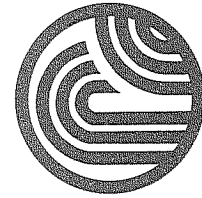
Approved By:

Date:


Sierra Environmental Monitoring, Inc.

4/7/2010

This report is applicable only to the sample received by the laboratory. The liability of the laboratory is limited to the amount paid for this report. This report is for the exclusive use of the client to whom it is addressed and upon the condition that the client assumes all liability for the further distribution of the report or its contents.



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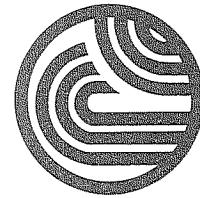
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Analysis Report

Sample ID:	Customer Sample ID	Date Sampled	Time Sampled	Date Received			
S201003-1482	R1	3/25/2010	10:50 AM	3/26/2010			
Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag
Ammonia-N	EPA 350.3	<0.1	mg/L N	0.1	Pacheco	4/3/2010	
Chlorophyll a	SM 10200 H	4	ug/L	2	Keller	4/2/2010	
Kjeldahl Nitrogen - Digestion/Analys	SM 4500 N(org)	0.4	mg/L N	0.1	Pacheco	3/30/2010	
Nitrate-N - Ion Chromatography	EPA 300.0	5.5	mg/L N	0.05	Faulstich	3/26/2010	
Nitrite-N - Ion Chromatography	EPA 300.0	<0.05	mg/L N	0.05	Faulstich	3/26/2010	
Phosphorus - Ortho	EPA 365.3	<0.02	mg/L	0.02	Kobza	3/26/2010	
Phosphorus - Total	EPA 365.3	0.23	mg/L	0.02	Kobza	3/29/2010	

Sample ID:	Customer Sample ID	Date Sampled	Time Sampled	Date Received			
S201003-1483	EM1	3/25/2010	12:00 PM	3/26/2010			
Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag
Ammonia-N	EPA 350.3	<0.1	mg/L N	0.1	Pacheco	4/3/2010	
Chlorophyll a	SM 10200 H	44	ug/L	2	Keller	4/2/2010	
Kjeldahl Nitrogen - Digestion/Analys	SM 4500 N(org)	2.0	mg/L N	0.1	Pacheco	3/30/2010	
Nitrate-N - Ion Chromatography	EPA 300.0	9.1	mg/L N	0.5	Faulstich	3/26/2010	
Nitrite-N - Ion Chromatography	EPA 300.0	<0.5	mg/L N	0.5	Faulstich	3/26/2010	
Phosphorus - Ortho	EPA 365.3	0.74	mg/L	0.04	Kobza	3/26/2010	
Phosphorus - Total	EPA 365.3	1.0	mg/L	0.08	Kobza	3/29/2010	



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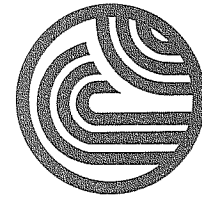
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Taken by: M. Reymann
PO #: 398.01/1330

Analysis Report

Sample ID:	Customer Sample ID	Date Sampled	Time Sampled	Date Received				
S201003-1484	EM2	3/25/2010	12:40 PM	3/26/2010	Reporting Limit	Analyst	Date Analyzed	Data Flag
Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag	
Ammonia-N	EPA 350.3	<0.1	mg/L N	0.1	Pacheco	4/3/2010		
Chlorophyll a	SM 10200 H	13	ug/L	2	Keller	4/2/2010		
Kjeldahl Nitrogen - Digestion/Analys	SM 4500 N(org)	0.8	mg/L N	0.1	Pacheco	3/30/2010		
Nitrate-N - Ion Chromatography	EPA 300.0	17	mg/L N	0.05	Faulstich	3/26/2010		
Nitrite-N - Ion Chromatography	EPA 300.0	<0.05	mg/L N	0.05	Faulstich	3/26/2010		
Phosphorus - Ortho	EPA 365.3	2.2	mg/L	0.1	Kobza	3/26/2010		
Phosphorus - Total	EPA 365.3	2.4	mg/L	0.2	Kobza	3/29/2010		

Sample ID:	Customer Sample ID	Date Sampled	Time Sampled	Date Received				
S201003-1485	EU1	3/25/2010	10:00 AM	3/26/2010	Reporting Limit	Analyst	Date Analyzed	Data Flag
Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag	
Ammonia-N	EPA 350.3	<0.1	mg/L N	0.1	Pacheco	4/3/2010		
Chlorophyll a	SM 10200 H	38	ug/L	2	Keller	4/2/2010		
Kjeldahl Nitrogen - Digestion/Analys	SM 4500 N(org)	1.0	mg/L N	0.1	Pacheco	3/30/2010		
Nitrate-N - Ion Chromatography	EPA 300.0	8.4	mg/L N	0.5	Faulstich	3/26/2010		
Nitrite-N - Ion Chromatography	EPA 300.0	<0.5	mg/L N	0.5	Faulstich	3/26/2010		
Phosphorus - Ortho	EPA 365.3	0.54	mg/L	0.04	Kobza	3/26/2010		
Phosphorus - Total	EPA 365.3	0.80	mg/L	0.04	Kobza	3/29/2010		



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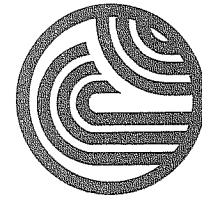
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 Berkeley, CA 94705

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Analysis Report

Sample ID:	Customer Sample ID	Date Sampled	Time Sampled	Date Received				
S201003-1486	EU2	3/25/2010	11:35 AM	3/26/2010	Reporting Limit	Analyst	Date Analyzed	Data Flag
Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag	
Ammonia-N	EPA 350.3	<0.1	mg/L N	0.1	Pacheco	4/3/2010		
Chlorophyll a	SM 10200 H	29	ug/L	2	Keller	4/2/2010		
Kjeldahl Nitrogen - Digestion/Analys	SM 4500 N(org)	0.7	mg/L N	0.1	Pacheco	3/30/2010		
Nitrate-N - Ion Chromatography	EPA 300.0	4.6	mg/L N	0.05	Faulstich	3/26/2010		
Nitrite-N - Ion Chromatography	EPA 300.0	<0.05	mg/L N	0.05	Faulstich	3/26/2010		
Phosphorus - Ortho	EPA 365.3	<0.02	mg/L	0.02	Kobza	3/26/2010		
Phosphorus - Total	EPA 365.3	0.11	mg/L	0.02	Kobza	3/29/2010		

Sample ID:	Customer Sample ID	Date Sampled	Time Sampled	Date Received				
S201003-1487	EU3	3/25/2010	12:20 PM	3/26/2010	Reporting Limit	Analyst	Date Analyzed	Data Flag
Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag	
Ammonia-N	EPA 350.3	<0.1	mg/L N	0.1	Pacheco	4/3/2010		
Chlorophyll a	SM 10200 H	<2	ug/L	2	Keller	4/2/2010		
Kjeldahl Nitrogen - Digestion/Analys	SM 4500 N(org)	0.7	mg/L N	0.1	Pacheco	3/30/2010		
Nitrate-N - Ion Chromatography	EPA 300.0	18	mg/L N	0.05	Faulstich	3/26/2010		
Nitrite-N - Ion Chromatography	EPA 300.0	<0.05	mg/L N	0.05	Faulstich	3/26/2010		
Phosphorus - Ortho	EPA 365.3	2.3	mg/L	0.1	Kobza	3/26/2010		
Phosphorus - Total	EPA 365.3	2.4	mg/L	0.2	Kobza	3/29/2010		



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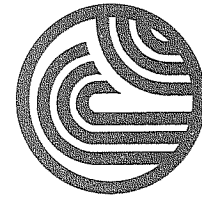
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Analysis Report

Sample ID:	Customer Sample ID	Date Sampled	Time Sampled	Date Received				
S201003-1488	EL1	3/25/2010	1:20 PM	3/26/2010	Reporting Limit	Analyst	Date Analyzed	Data Flag
Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag	
Ammonia-N	EPA 350.3	<0.1	mg/L N	0.1	Pacheco	4/3/2010		
Chlorophyll a	SM 10200 H	130	ug/L	2	Keller	4/2/2010		
Kjeldahl Nitrogen - Digestion/Analys	SM 4500 N(org)	2.7	mg/L N	0.1	Pacheco	3/30/2010		
Nitrate-N - Ion Chromatography	EPA 300.0	8.8	mg/L N	0.5	Faulstich	3/26/2010		
Nitrite-N - Ion Chromatography	EPA 300.0	<0.5	mg/L N	0.5	Faulstich	3/26/2010		
Phosphorus - Ortho	EPA 365.3	0.45	mg/L	0.04	Kobza	3/26/2010		
Phosphorus - Total	EPA 365.3	0.89	mg/L	0.04	Kobza	3/29/2010		

Sample ID:	Customer Sample ID	Date Sampled	Time Sampled	Date Received				
S201003-1489	EL2	3/25/2010	1:00 PM	3/26/2010	Reporting Limit	Analyst	Date Analyzed	Data Flag
Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag	
Ammonia-N	EPA 350.3	<0.1	mg/L N	0.1	Pacheco	4/3/2010		
Chlorophyll a	SM 10200 H	250	ug/L	2	Keller	4/2/2010		
Kjeldahl Nitrogen - Digestion/Analys	SM 4500 N(org)	1.9	mg/L N	0.1	Pacheco	3/30/2010		
Nitrate-N - Ion Chromatography	EPA 300.0	8.4	mg/L N	0.5	Faulstich	3/26/2010		
Nitrite-N - Ion Chromatography	EPA 300.0	<0.5	mg/L N	0.5	Faulstich	3/26/2010		
Phosphorus - Ortho	EPA 365.3	0.46	mg/L	0.04	Kobza	3/26/2010		
Phosphorus - Total	EPA 365.3	0.92	mg/L	0.04	Kobza	4/5/2010		



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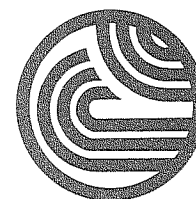
Analysis Report

Sample ID:	Customer Sample ID	Date Sampled	Time Sampled	Date Received			
S201003-1490	EL2 dup	3/25/2010	1:00 PM	3/26/2010	Reporting Limit	Analyst	Date Analyzed
Parameter	Method	Result	Units	Reporting Limit	Analyst	Date Analyzed	Data Flag
Ammonia-N	EPA 350.3	<0.1	mg/L N	0.1	Pacheco	4/3/2010	
Chlorophyll a	SM 10200 H	240	ug/L	2	Keller	4/2/2010	
Kjeldahl Nitrogen - Digestion/Analys	SM 4500 N(org)	1.6	mg/L N	0.1	Pacheco	3/30/2010	
Nitrate-N - Ion Chromatography	EPA 300.0	8.6	mg/L N	0.5	Faulstich	3/26/2010	
Nitrite-N - Ion Chromatography	EPA 300.0	<0.5	mg/L N	0.5	Faulstich	3/26/2010	
Phosphorus - Ortho	EPA 365.3	0.52	mg/L	0.04	Kobza	3/26/2010	
Phosphorus - Total	EPA 365.3	0.92	mg/L	0.04	Kobza	4/5/2010	

Data Flag Legend:

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Quality Control Report

<i>Parameter</i>	<i>LCS, % Recovery</i>	<i>MS, % Recovery</i>	<i>MSD, % Recovery</i>	<i>RPD, %</i>	<i>Method Blank</i>
Ammonia-N	97.0	91.0	93.0	1.95	<0.1 mg/L
Chlorophyll a				0.00	<2 ug/L
Kjeldahl Nitrogen - Digestion/Anal	113.0	105.0	103.0	1.92	<0.1 mg/L
Nitrate-N - Ion Chromatography	95.0	94.0	94.0	0.00	<0.05 mg/L
Nitrite-N - Ion Chromatography	99.0	115.0	115.0	0.00	<0.05 mg/L
Phosphorus - Ortho	106.0	103.0	106.0	0.45	<0.02 mg/L
Phosphorus - Total	106.0	114.0	128.0	1.51	<0.02 mg/L
Phosphorus - Total	98.0	102.0	96.0	0.87	<0.02 mg/L

Legend: *LCS- Laboratory Control Standard* *MS- Matrix Spike* *MSD- Matrix Spike Duplicate*
 RPD- Relative Percent Difference

SIERRA ENVIRONMENTAL MONITORING, INC.
 1135 FINANCIAL BOULEVARD - RENO - NEVADA - 89502



CHAIN OF CUSTODY RECORD

b4743

PHONE: (775) 857 - 2400 FAX: (775) 857 - 2404 E-Mail: sem@sem-analytical.com
 Client Name: Stillwater Sciences Purchase Order: 398.01/1330

Address: 2855 Telegraph Ave, #400 Phone/Fax #: 510-848-8098

City: Berkeley State: CA Zip: 94705 Report Attention: Noah Hume

Sampled by: M. Reymann Signature: *[Signature]*

Date	Time Sampled	Sample Type *	Sample Identification	Preservative* See Key Below	Number of Containers	TKN, NH3, NO3	NO2	Total Phosphorus	Ortho-Phosphate	Chlorophyll a	Turnaround Time	Compliance Monitoring
3/25/10	1050	2	R1	6,4	5	X	X	X	X	X	Standard: <input checked="" type="checkbox"/> 24 Hr Other: <input type="checkbox"/> 48 Hr	Yes: <input type="checkbox"/> No: <input type="checkbox"/>
	1200	2	EM1	6,4	5	X	X	X	X	X	Remarks: Please provide results in BDF and EAD format.	Lab Use Only Sub-Sample pH <2 >12
	1240	2	EM2	6,4	5	X	X	X	X	X	Remarks: Thank you!	
	1000	2	EU1	6,4	5	X	X	X	X	X		
	1135	2	EU2	6,4	5	X	X	X	X	X		
	1220	2	EU3	6,4	5	X	X	X	X	X		
	1320	2	EL1	6,4	5	X	X	X	X	X		
	1300	2	EL2	6,4	5	X	X	X	X	X		
	1300	2	EL2 DUP	6,4	5	X	X	X	X	X		

Relinquished By: *[Signature]* Print Name: Mike Reymann Date: 3/25/10 Time: 1600

Received By: *[Signature]* Company: Stillwater

Relinquished By: *[Signature]*

Received By: *[Signature]*

Relinquished By: *[Signature]*

Received By Laboratory: *[Signature]* Date: 3-26-10 Time: 1952

Custody Seal Intact: Yes No None

Sample Temperature: _____ Degrees C: _____

Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense. The analytical results associated with this COC apply only to the samples as they are received by the laboratory. The liability of the laboratory is limited to the amount paid for the report.

* KEY: Sample Type: 1=Drinking Water, 2=Surface Water, 3=Ground Water, 4=Waste Water, 5=Soil, 6=RCRA, 7=Other
 Preservative: 1=NaOH, 2=NaOH + ZnOAC, 3=HNO3, 4=H2SO4, 5=Na2S2O3, 6=None, 7=Other