



**Sierra  
Environmental  
Monitoring, Inc.**

## Laboratory Report Report ID: 107231

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

**Date:** 7/30/2010  
**Client:** STW-90902  
**Taken by:** Reymann/Wood  
**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:**

A handwritten signature in black ink, appearing to read "John Kobza", is written over a horizontal line.

Sierra Environmental Monitoring, Inc.

**Date:**

7/30/2010

**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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***Analysis Report***

| Sample ID:   | Customer Sample ID | Date Sampled | Time Sampled | Date Received |                                |           |        |        |                 |           |               |           |
|--------------|--------------------|--------------|--------------|---------------|--------------------------------|-----------|--------|--------|-----------------|-----------|---------------|-----------|
| S201007-1455 | GW 1               | 7/27/2010    | 2:40 PM      | 7/29/2010     | Parameter                      | Method    | Result | Units  | Reporting Limit | Analyst   | Date Analyzed | Data Flag |
|              |                    |              |              |               | Nitrate-N - Ion Chromatography | EPA 300.0 | <0.5   | mg/L N | 0.5             | Faulstich | 7/29/2010     |           |
|              |                    |              |              |               | Nitrite-N - Ion Chromatography | EPA 300.0 | <0.5   | mg/L N | 0.5             | Faulstich | 7/29/2010     |           |

| Sample ID:   | Customer Sample ID | Date Sampled | Time Sampled | Date Received |                                |           |        |        |                 |           |               |           |
|--------------|--------------------|--------------|--------------|---------------|--------------------------------|-----------|--------|--------|-----------------|-----------|---------------|-----------|
| S201007-1456 | GW 2               | 7/27/2010    | 3:00 PM      | 7/29/2010     | Parameter                      | Method    | Result | Units  | Reporting Limit | Analyst   | Date Analyzed | Data Flag |
|              |                    |              |              |               | Nitrate-N - Ion Chromatography | EPA 300.0 | <0.5   | mg/L N | 0.5             | Faulstich | 7/29/2010     |           |
|              |                    |              |              |               | Nitrite-N - Ion Chromatography | EPA 300.0 | <0.5   | mg/L N | 0.5             | Faulstich | 7/29/2010     |           |

| Sample ID:   | Customer Sample ID | Date Sampled | Time Sampled | Date Received |                                |           |        |        |                 |           |               |           |
|--------------|--------------------|--------------|--------------|---------------|--------------------------------|-----------|--------|--------|-----------------|-----------|---------------|-----------|
| S201007-1457 | GW 3               | 7/27/2010    | 3:25 PM      | 7/29/2010     | Parameter                      | Method    | Result | Units  | Reporting Limit | Analyst   | Date Analyzed | Data Flag |
|              |                    |              |              |               | Nitrate-N - Ion Chromatography | EPA 300.0 | 0.55   | mg/L N | 0.05            | Faulstich | 7/29/2010     |           |
|              |                    |              |              |               | Nitrite-N - Ion Chromatography | EPA 300.0 | <0.05  | mg/L N | 0.05            | Faulstich | 7/29/2010     |           |

**Data Flag Legend:**



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***Quality Control Report***

| <i>Parameter</i>               | <i>LCS, %<br/>Recovery</i> | <i>MS, %<br/>Recovery</i> | <i>MSD, %<br/>Recovery</i> | <i>RPD, %</i> | <i>Method Blank</i> |
|--------------------------------|----------------------------|---------------------------|----------------------------|---------------|---------------------|
| Nitrate-N - Ion Chromatography | 98.0                       | 100.0                     | 101.0                      | 0.99          | <0.05 mg/L          |
| Nitrite-N - Ion Chromatography | 103.0                      | 111.0                     | 113.0                      | 1.79          | <0.05 mg/L          |

|                       |  |                                |   |
|-----------------------|--|--------------------------------|---|
| <b><i>Legend:</i></b> | <b><i>LCS- Laboratory Control Standard</i></b> | <b><i>MS- Matrix Spike</i></b> | <b><i>MSD- Matrix Spike Duplicate</i></b> |
|                       | <b><i>RPD- Relative Percent Difference</i></b> |                                |   |

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



**CHAIN OF CUSTODY RECORD**

107231

PHONE: (775) 857 - 2400 FAX: (775) 857 - 2404 E-Mail sem@sem-analytical.com

Client Name: Stillwater Sciences Purchase Order: 398.01/1530

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

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

Sampled by: M. Reymann/Steve Hood Signature:

| Date Sampled | Time Sampled | Sample Type * | Sample Identification | Preservative*<br>See Key Below | Number of Containers | Analyses Requested |     | Turnaround Time  | Compliance Monitoring   |
|--------------|--------------|---------------|-----------------------|--------------------------------|----------------------|--------------------|-----|--|-------------------------|
|              |              |               |                       |                                |                      | NO3                | NO2 | Standard: _____ Other: _____<br>Rush: 24 Hr _____<br>48 Hr _____ | Yes: _____<br>No: _____ |
| 7/27/10      | 1440         | 3             | GW1                   | 6.4                            | 2                    | X                  | X   |  |                         |
|              | 1500         | 3             | GW2                   | 6.4                            | 2                    | X                  | X   |  |                         |
|              | 1525         | 3             | GW3                   | 6.4                            | 2                    | X                  | X   |  |                         |
|              |              |               |                       |                                |                      |                    |     |  |                         |
|              |              |               |                       |                                |                      |                    |     |  |                         |
|              |              |               |                       |                                |                      |                    |     |  |                         |
|              |              |               |                       |                                |                      |                    |     |  |                         |
|              |              |               |                       |                                |                      |                    |     |  |                         |
|              |              |               |                       |                                |                      |                    |     |  |                         |
|              |              |               |                       |                                |                      |                    |     |  |                         |
|              |              |               |                       |                                |                      |                    |     |  |                         |

Relinquished By: *[Signature]* Print Name: Mike Reymann Company: SWS Date: 7/27/10 Time: 4:16pm

Received By: \_\_\_\_\_

Relinquished By: \_\_\_\_\_

Received By: *[Signature]* Print Name: *[Name]* Company: *[Company]* Date: *[Date]* Time: *[Time]*

Custody Seal Intact: Yes  No  None   
 Sample Temperature: \_\_\_\_\_ Degrees C: \_\_\_\_\_  
 \*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