

See 10/2005 test No 3 on  
Following Graphs

January 30, 2009

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County Government Center, Room 207  
San Luis Obispo, CA 93408

Also Note the  
Low Nitrates on those  
that were tested 1983

By Bruce

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JAN 30 2009

COUNTY OF SAN LUIS OBISPO  
DEPARTMENT OF PUBLIC WORKS

Re: Comments on LOWWP DEIR

Dear Mark:

Please Note: The wells have not been  
tested since 2006. We may be spending  
millions \$ for a project that is not  
Necessary Please look at this info

I have Wade Brim's  
evaluation of the wells

Sample results presented in Table 3 and Figure 2 shows NO<sub>3</sub>-N concentrations measured at monitoring network wells range from less than 1 milligrams per liter (mg/l) to 23 mg/l. The median NO<sub>3</sub>-N concentration for the 28 wells is 11 mg/l. The greatest concentrations of NO<sub>3</sub>-N are reported at wells in Baywood Park and also south of Los Osos Valley Road.

TDS concentrations in shallow ground water shown in Figure 3 are typically between 200 and 400 mg/l, with a low of 57 mg/l in well 30S/11E-8N2 along South Bay Boulevard and a high of 1,400 mg/l in Sunset Terrace monitoring well 30S/10E-13L5. The high TDS value measured at well 13L5 is not associated with sea water intrusion, but is interpreted to be a result of water softener discharges in the area.

I have lots more info. on illegal wells  
Total Ammonia which makes this info fraudulent!

Total ammonia concentrations have been historically detected in ground water collected from several of the nitrate monitoring program wells. Many of the detections are isolated and/or at levels close to detection limits, but two wells have consistently been reported with total ammonia concentrations greater than 1 mg/l. These two wells are a former upper aquifer community supply well on 8<sup>th</sup> Street in Baywood Park (30S/11E-7Q1) and a monitoring well tapping the perched aquifer near downtown Los Osos (30S/11E-18J6). A summary table of total ammonia results is included in Appendix D.

Total ammonia includes NH<sub>3</sub> (ammonia) and its ionized form, NH<sub>4</sub><sup>+</sup> (ammonium). The fate and transport of these compounds in the soil column depends on several factors, but subsurface conditions in Los Osos typically promote nitrification during the leaching process. Where the subsurface is deficient of oxygen, however, the conversion of ammonia/ammonium into nitrate can be inhibited. Ammonium is the principal form of dissolved nitrogen being discharged from septic tanks in Los Osos. Ammonium is also easily adsorbed onto clay or organic constituents in soils, and is much less mobile in ground water than anionic nitrate compounds. Therefore, the persistent detections of significant total ammonia concentrations in

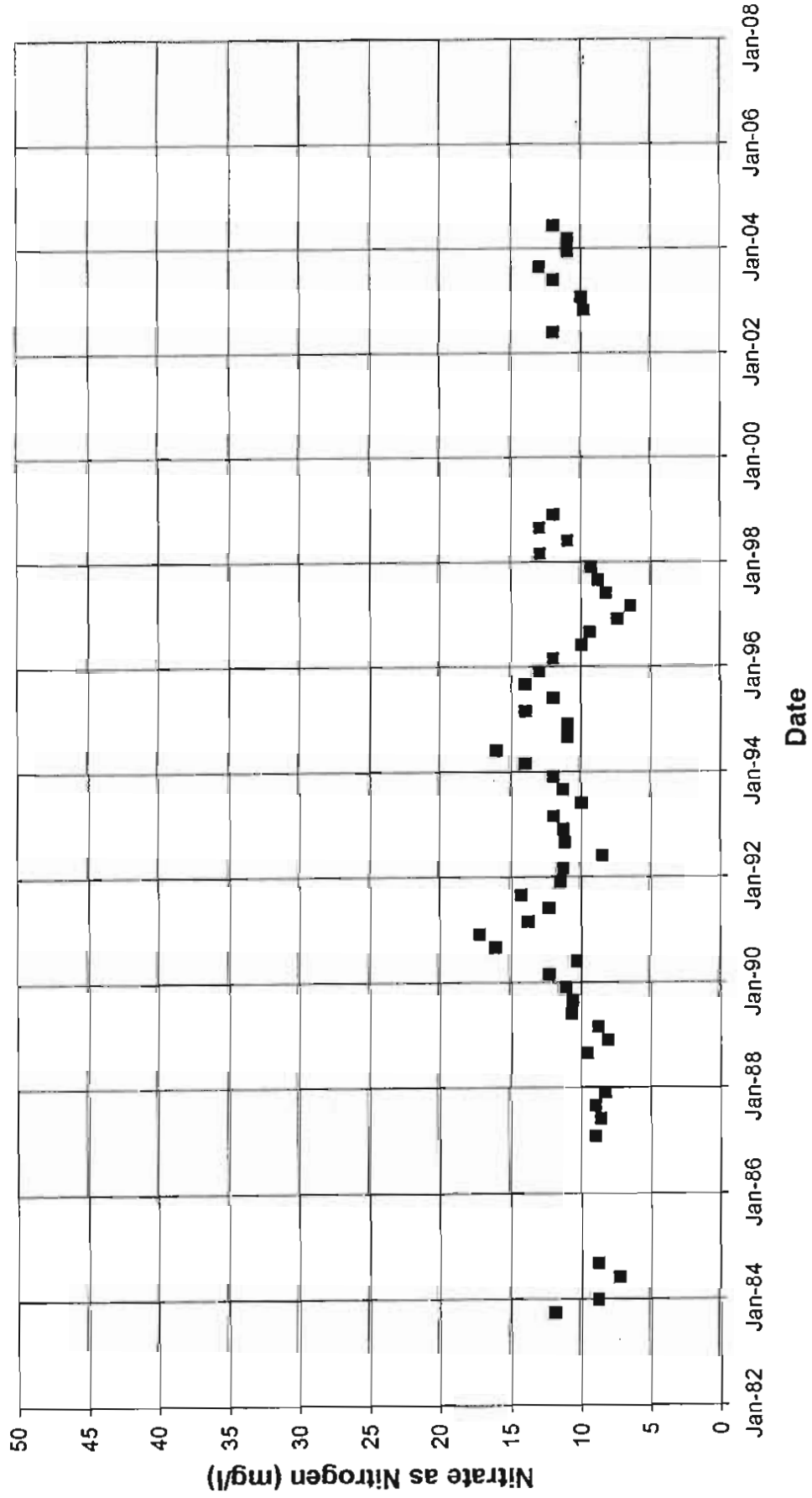
**Table 5  
Water Quality Comparison**

| Well ID         | NO <sub>3</sub> -N (mg/l) |             |             |             |             | TDS (mg/l) |            |            |            |            |
|-----------------|---------------------------|-------------|-------------|-------------|-------------|------------|------------|------------|------------|------------|
|                 | Oct 2004                  | Apr 2005    | Oct 2005    | Apr 2006    | Oct 2006    | Oct 2004   | Apr 2005   | Oct 2005   | Apr 2006   | Oct 2006   |
| 30S/10E-13G     | 11                        | 8.9         | 9.6         | 11          | 10          | 300        | 270        | 310        | 280        | 260        |
| 30S/10E-13H     | 3.2                       | 1.3         | 14          | 8.7         | 2.6         | 210        | 130        | 180        | 190        | 250        |
| 30S/10E-13L5    | 26                        | 28          | 22          | 23          | 11          | 1200       | 1100       | 1200       | 1100       | 1400       |
| 30S/10E-13Q1    | 21                        | 21          | 20          | 22          | 18          | 430        | 470        | 460        | 500        | 450        |
| 30S/10E-24A     | 11                        | 11          | 12          | 12          | 11          | 200        | 220        | 210        | 200        | 220        |
| 30S/11E-7K      | 14                        | 14          | 6.1         | 12          | 11          | 380        | 410        | 330        | 440        | 350        |
| 30S/11E-7L3     | 16                        | 19          | 52          | 21          | 23          | 510        | 490        | 580        | 470        | 550        |
| 30S/11E-7N1     | 2.4                       | 2.2         | 2.1         | 2.6         | 2.9         | 180        | 120        | 160        | 150        | 150        |
| 30S/11E-7Q1     | 16                        | 18          | 20          | 22          | 21          | 430        | 340        | 390        | 440        | 430        |
| 30S/11E-7R1     | 15                        | 12          | 14          | 17          | 13          | 330        | 260        | 360        | 360        | 350        |
| 30S/11E-8Ma     |                           |             |             | 4.9         | 4.2         |            |            |            | 330        | 440        |
| 30S/11E-8Mb     |                           |             |             | 19          | 18          |            |            |            | 450        | 450        |
| 30S/11E-8N2     | 0.8                       | <0.5        | 0.8         | 2.4         | 1.2         | 100        | 67         | 58         | 75         | 57         |
| 30S/11E-17D     | 17                        | 20          | 17          | 18          | 17          | 360        | 360        | 300        | 300        | 280        |
| 30S/11E-17E9    |                           |             |             | 14          | 13          |            |            |            | 340        | 330        |
| 30S/11E-17F4    | 0.7                       | 0.5         | 0.5         | 0.6         | 0.6         | 320        | 330        | 300        | 320        | 310        |
| 30S/11E-17N4    | 6.3                       | 5.1         | 5.6         | 6.2         | 5.6         | 210        | 200        | 200        | 200        | 200        |
| 30S/11E-18A     | 15                        | 14          | 14          | 13          | 11          | 310        | 330        | 340        | 280        | 270        |
| 30S/11E-18B1    | 7.4                       | 2.4         | 12          | 8.6         | 7           | 350        | 110        | 320        | 340        | 250        |
| 30S/11E-18C1    | 15                        | 10          | 17          | 16          | 14          | 290        | 280        | 370        | 370        | 360        |
| 30S/11E-18E1    | 7.9                       | 7.9         | 6.9         | 6.2         | 7.9         | 280        | 240        | 250        | 240        | 240        |
| 30S/11E-18J6    | 4.9                       | 4.4         | 6.2         | 4.4         | 1.9         | 600        | 330        | 370        | 340        | 390        |
| 30S/11E-18L3    | 9.4                       | 13          | 10          | 9.1         | 5.9         | 280        | 210        | 270        | 250        | 210        |
| 30S/11E-18L4    | 16                        | 9.6         | 15          | 15          | 14          | 380        | 360        | 340        | 350        | 350        |
| 30S/11E-18N1    | 15                        | 12          | 21          | 22          | 20          | 420        | 270        | 400        | 440        | 420        |
| 30S/11E-18R1    | 17                        | 15          | 17          | 18          | 18          | 370        | 390        | 410        | 380        | 350        |
| 30S/11E-20B     | 3.8                       | 2.5         | 6.2         | 7.0         | 6           | 320        | 340        | 330        | 330        | 340        |
| 30S/11E-21D     | 3.0                       | 9.2         | 6.0         | 7.3         | 4.8         | 610        | 600        | 850        | 720        | 780        |
| <b>Averages</b> | <b>11.0</b>               | <b>10.4</b> | <b>13.1</b> | <b>12.2</b> | <b>10.5</b> | <b>375</b> | <b>333</b> | <b>372</b> | <b>364</b> | <b>373</b> |

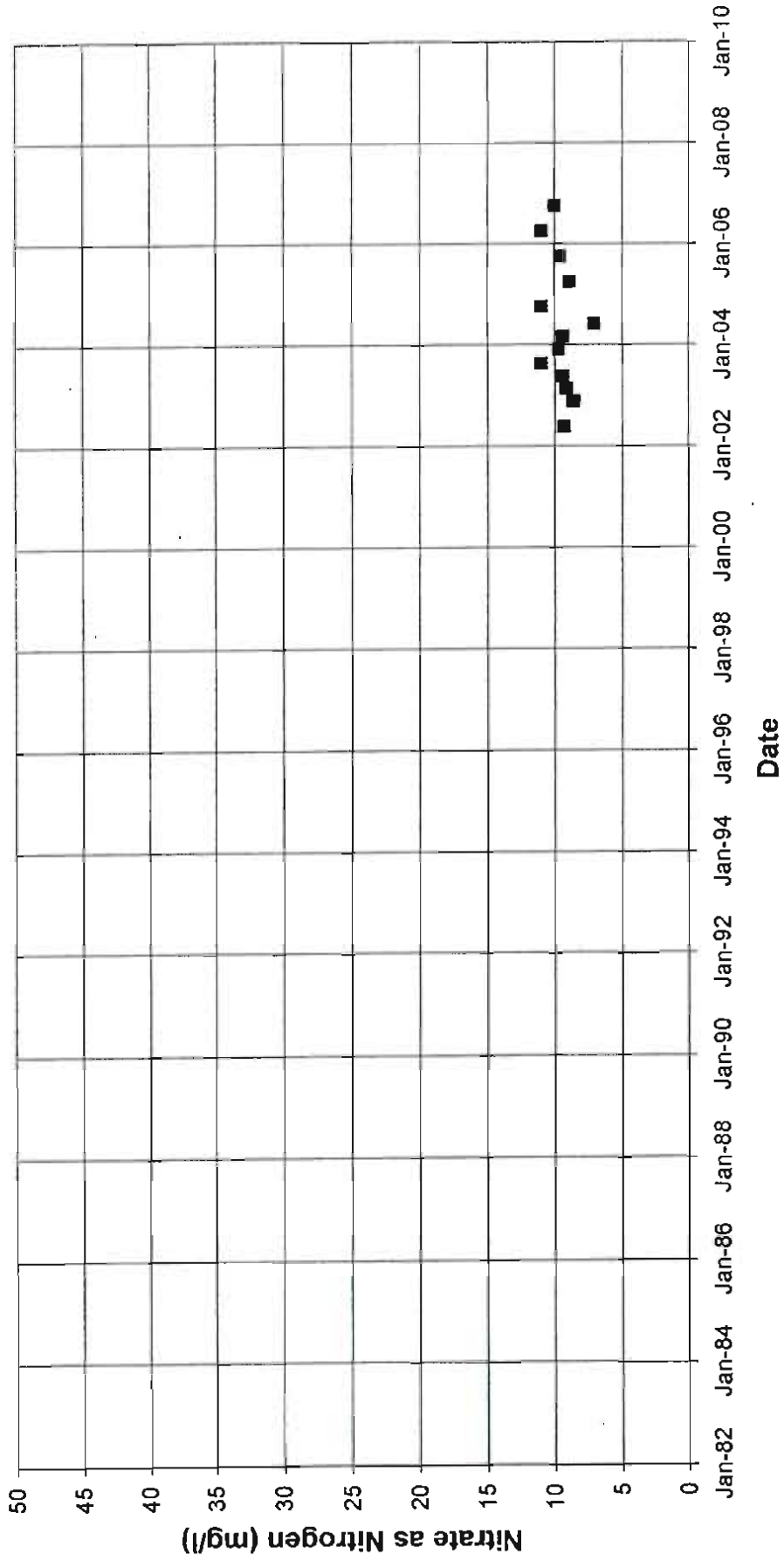
Long-Term Trends

Graphs 1 through 60 in Appendix E present the NO<sub>3</sub>-N concentrations and TDS concentrations over time for all 30 current and former network wells in the Nitrate Monitoring Program. The graphs differentiate between historical (CSA9) data and new (LOCSO) data for those wells which were replaced in 2002. Many of the chemical hydrographs show a relatively large fluctuation in NO<sub>3</sub>-N and TDS concentrations over time (300% fluctuation not uncommon).

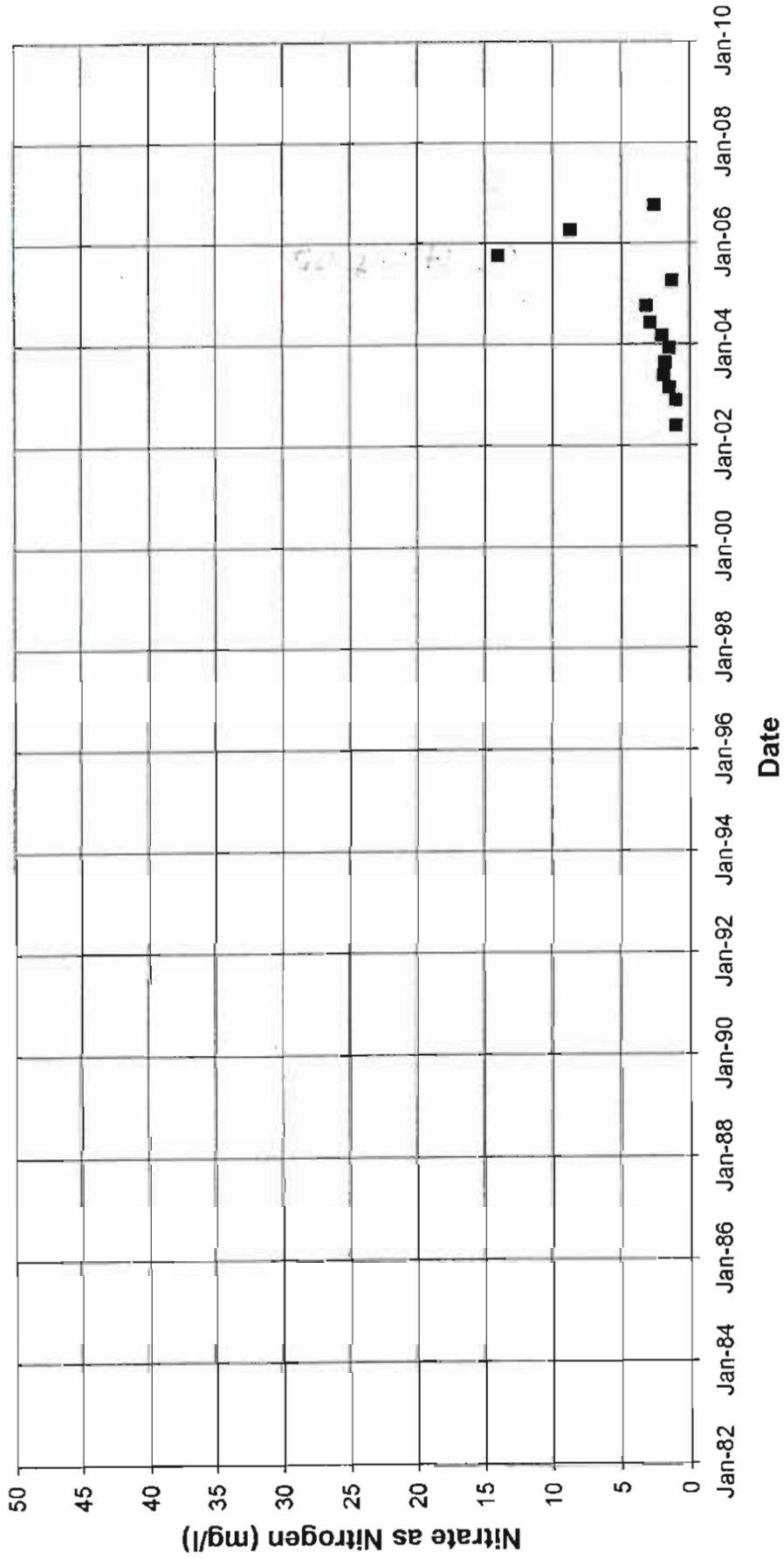
Graph 1  
Well 30S/10E-13A7  
NO<sub>3</sub>-N vs Time



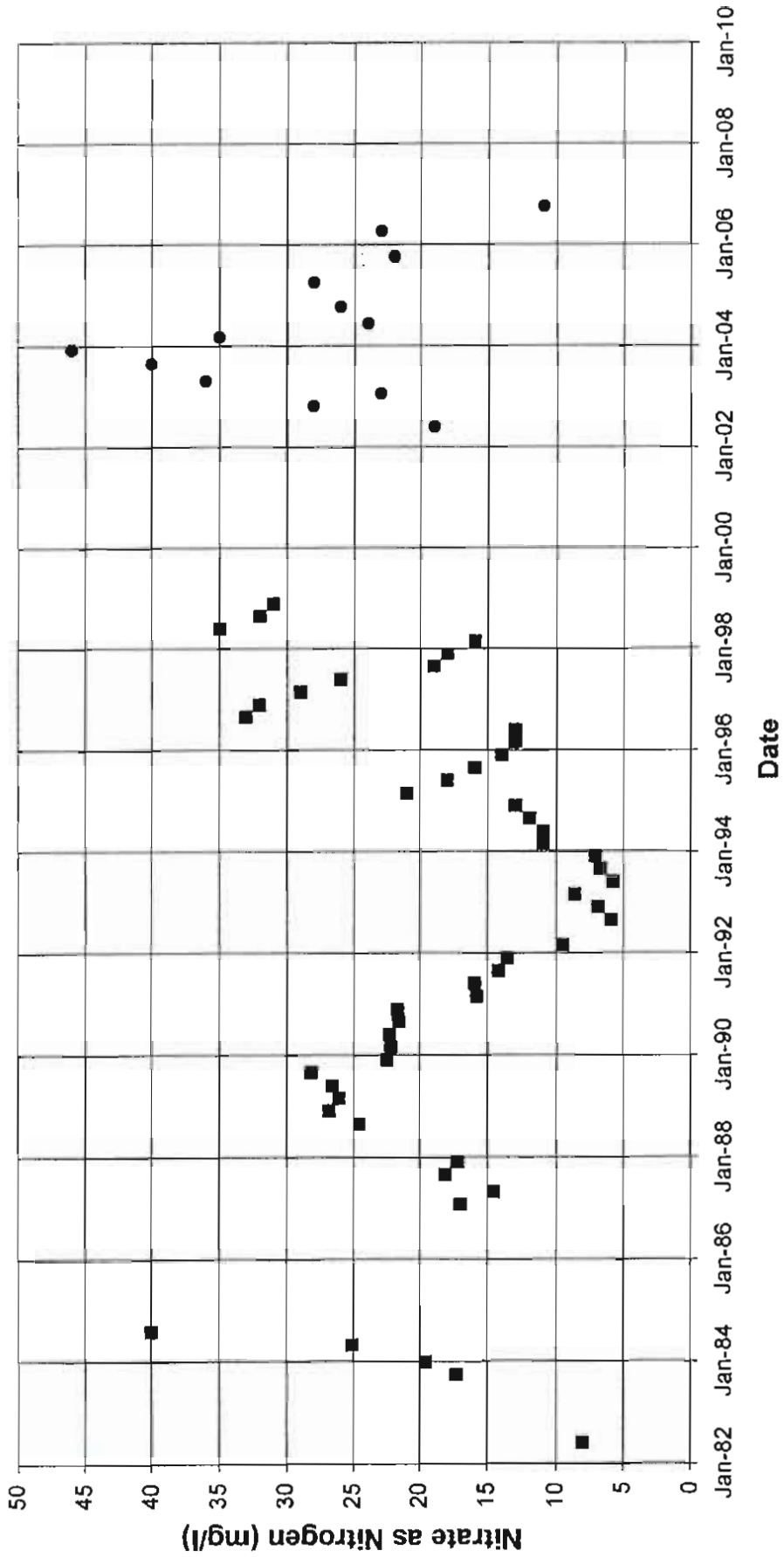
Graph 3  
Well 30S/10E-13G  
NO<sub>3</sub>-N vs Time



Graph 5  
Well 30S/10E-13H  
NO<sub>3</sub>-N vs Time

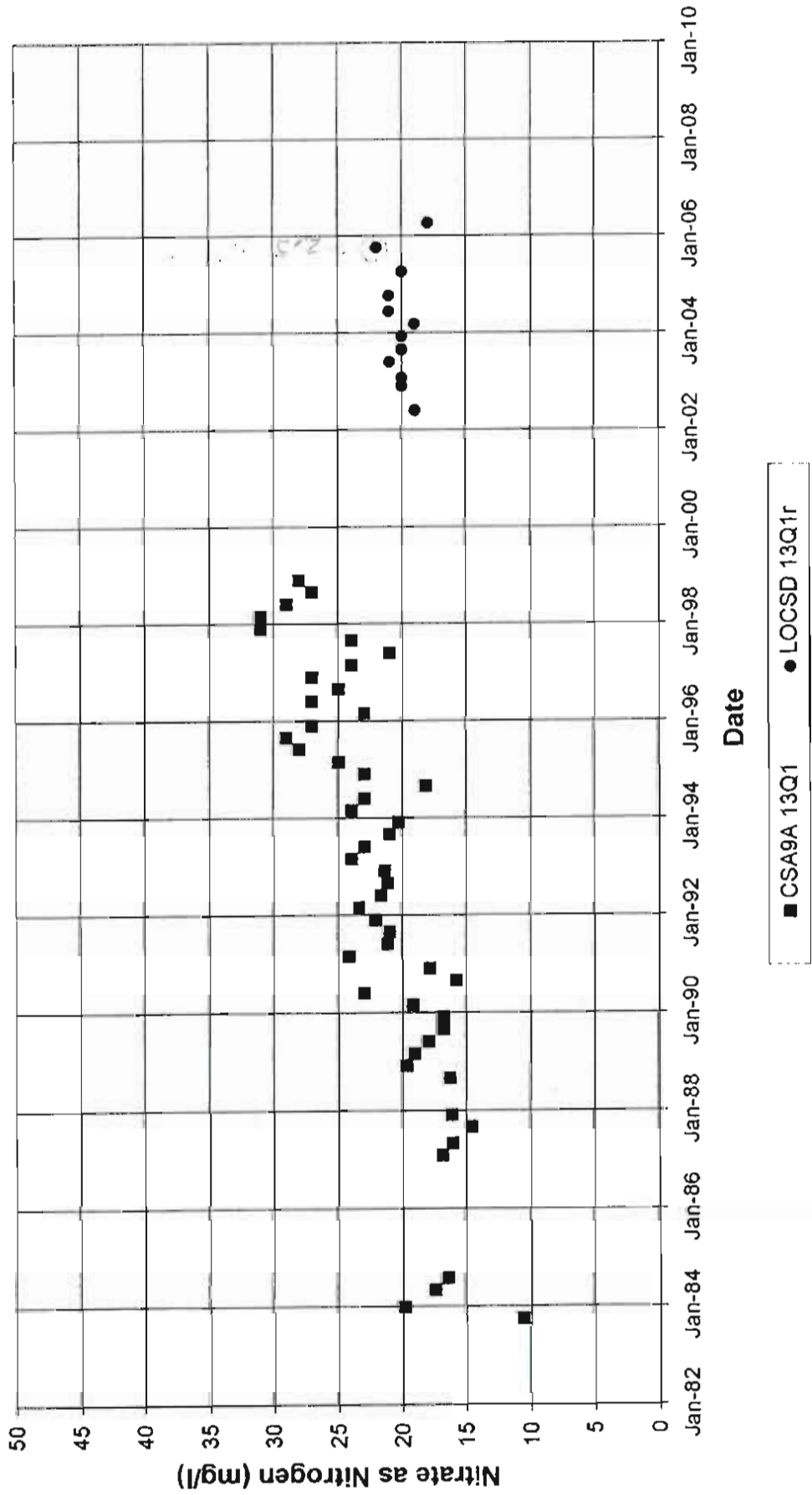


Graph 7  
 Well 30S/10E-13L5  
 NO<sub>3</sub>-N vs Time

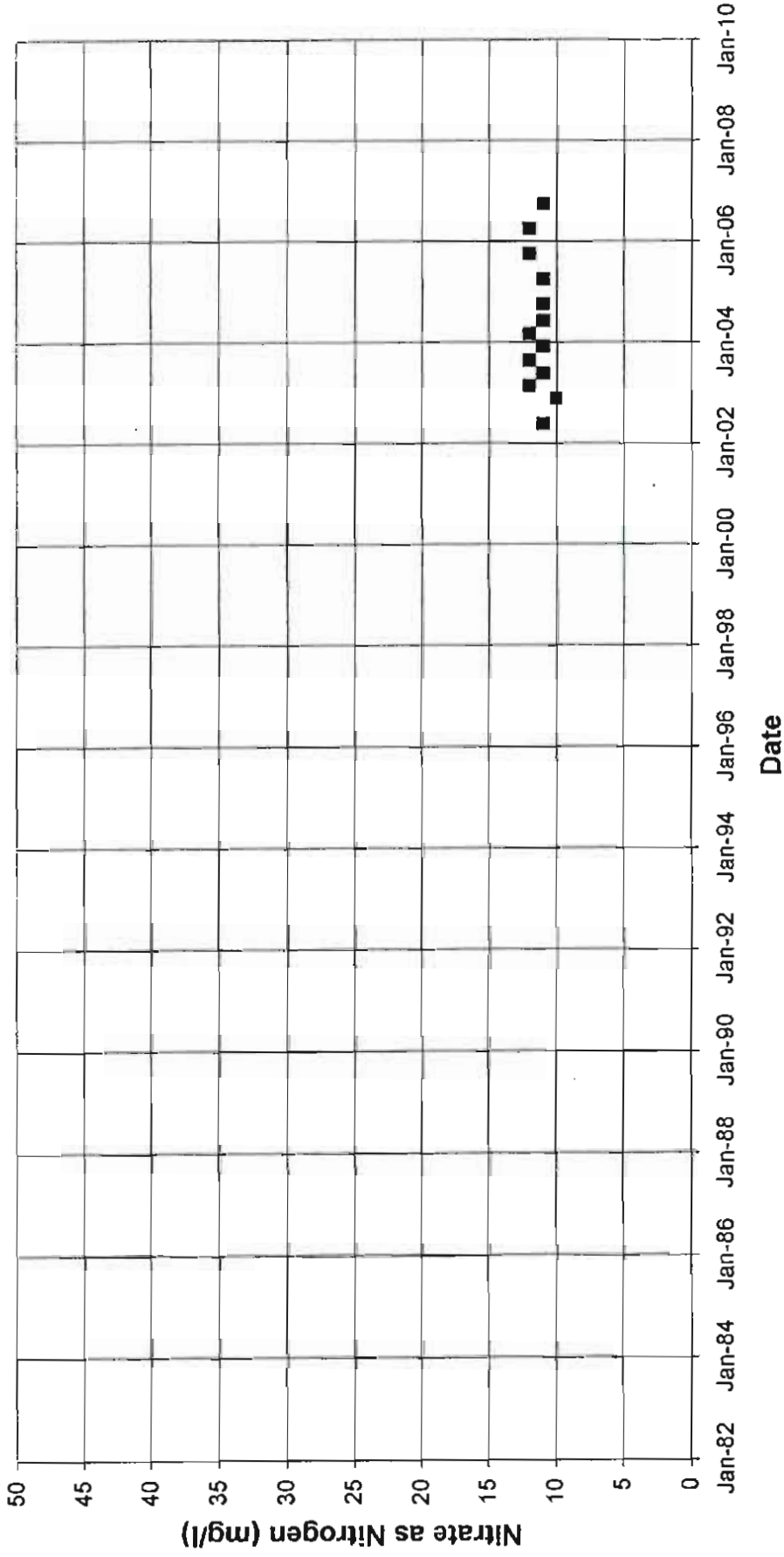


■ CSA9 13L5    ● LOCS D 13L5r

Graph 9  
Well 30S/10E-13Q1  
NO<sub>3</sub>-N vs Time

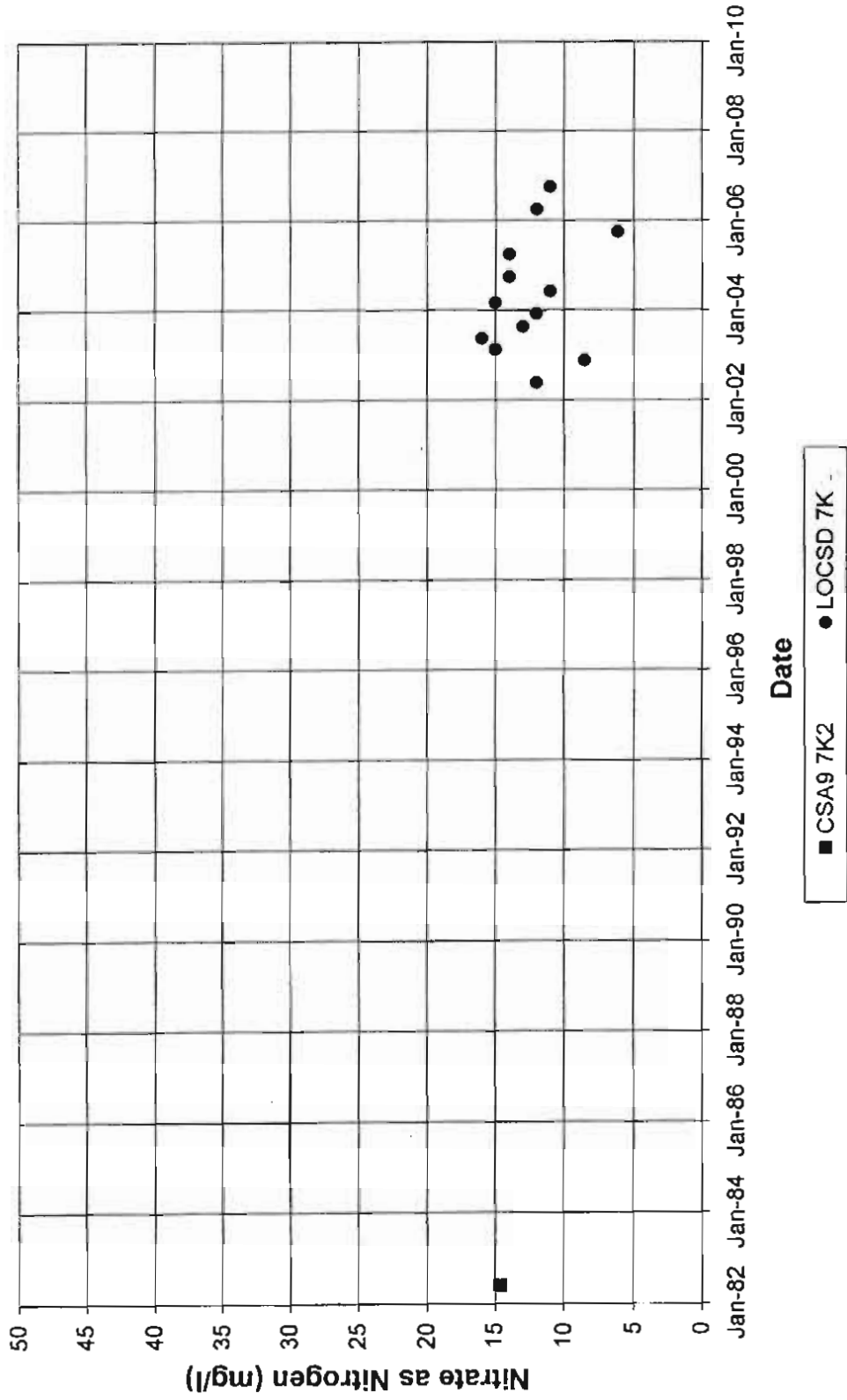


Graph 11  
Well 30S/10E-24A  
NO<sub>3</sub>-N vs Time

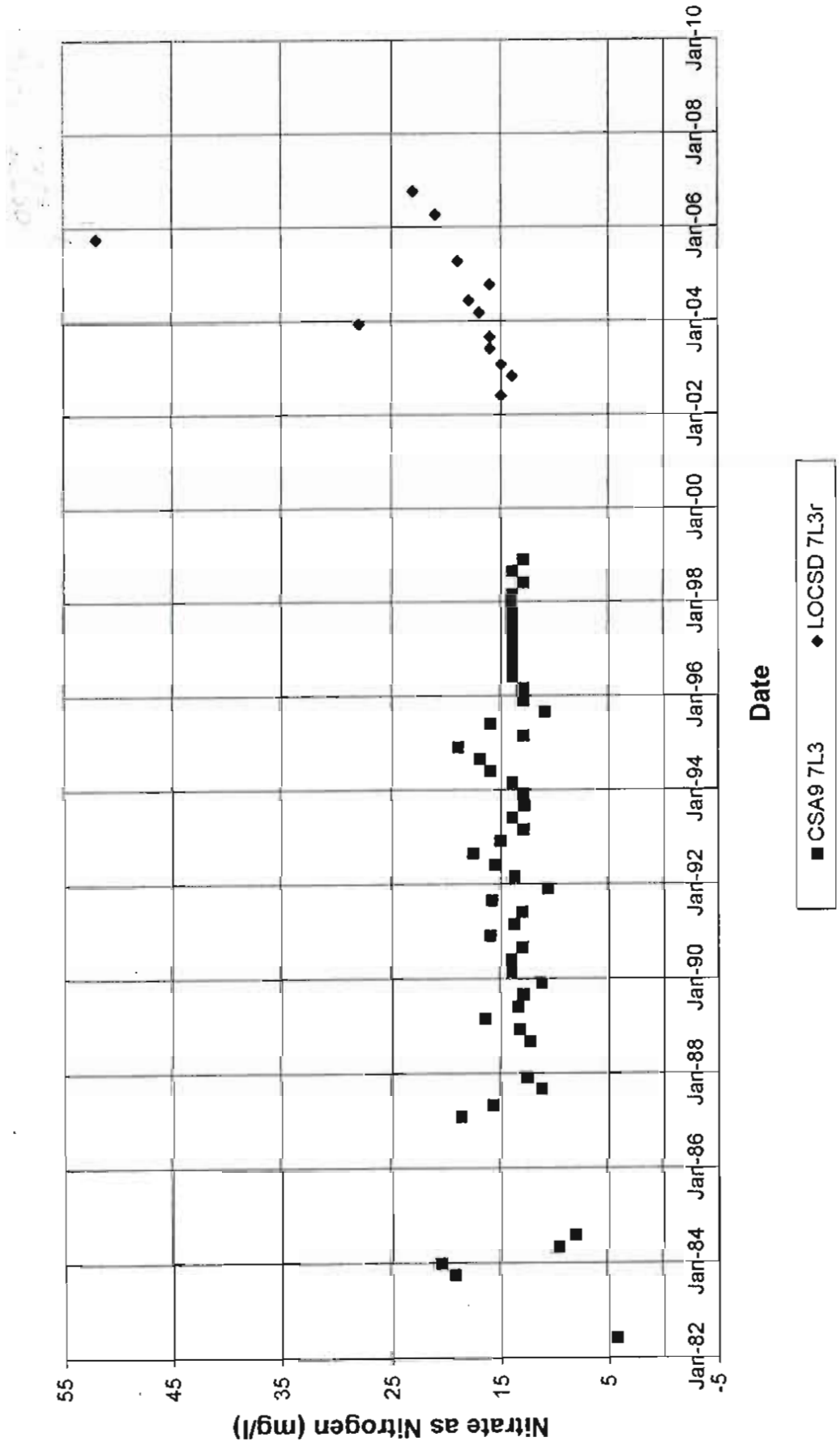




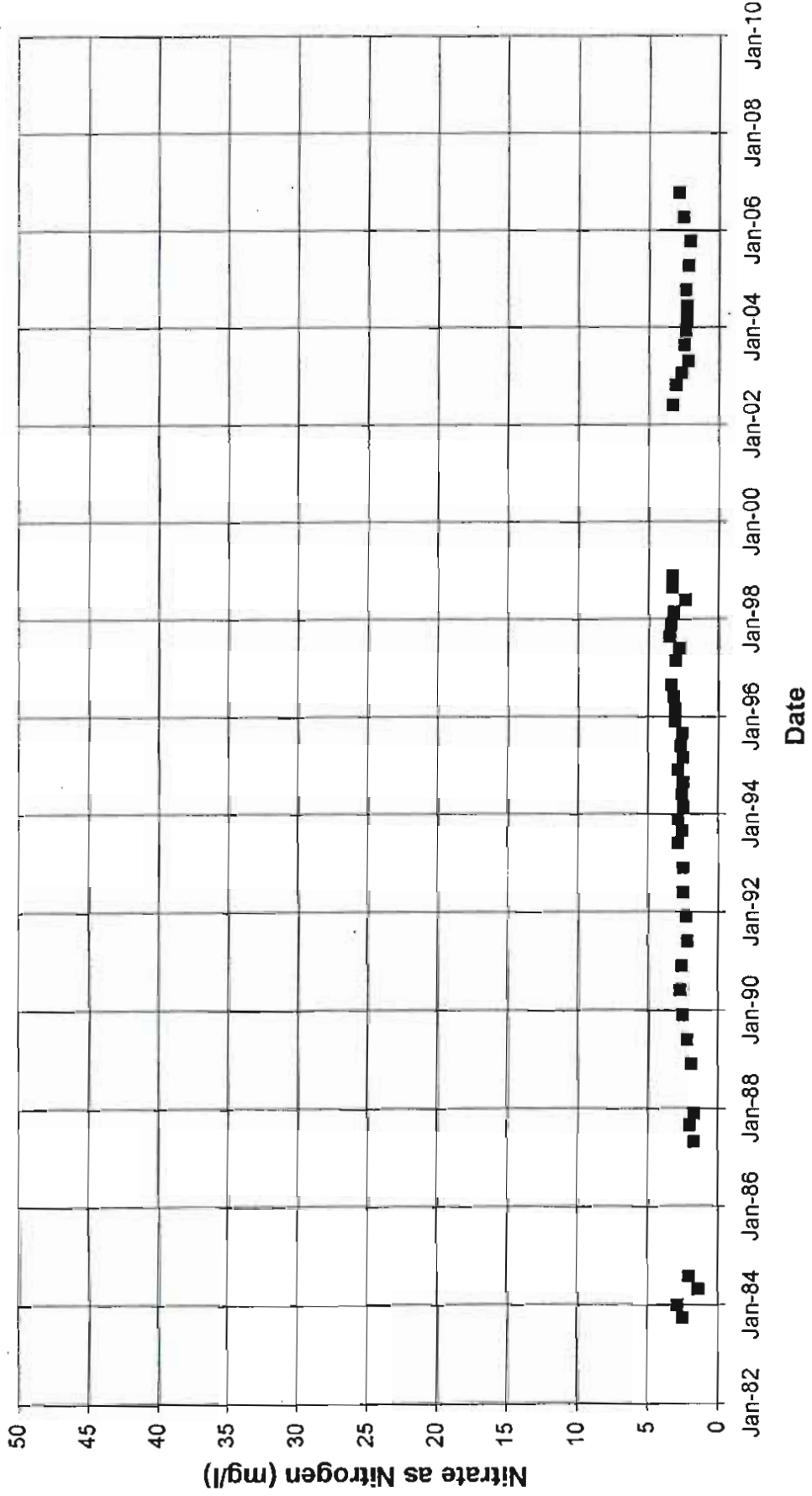
Graph 13  
Well 30S/11E-7K  
NO<sub>3</sub>-N vs Time



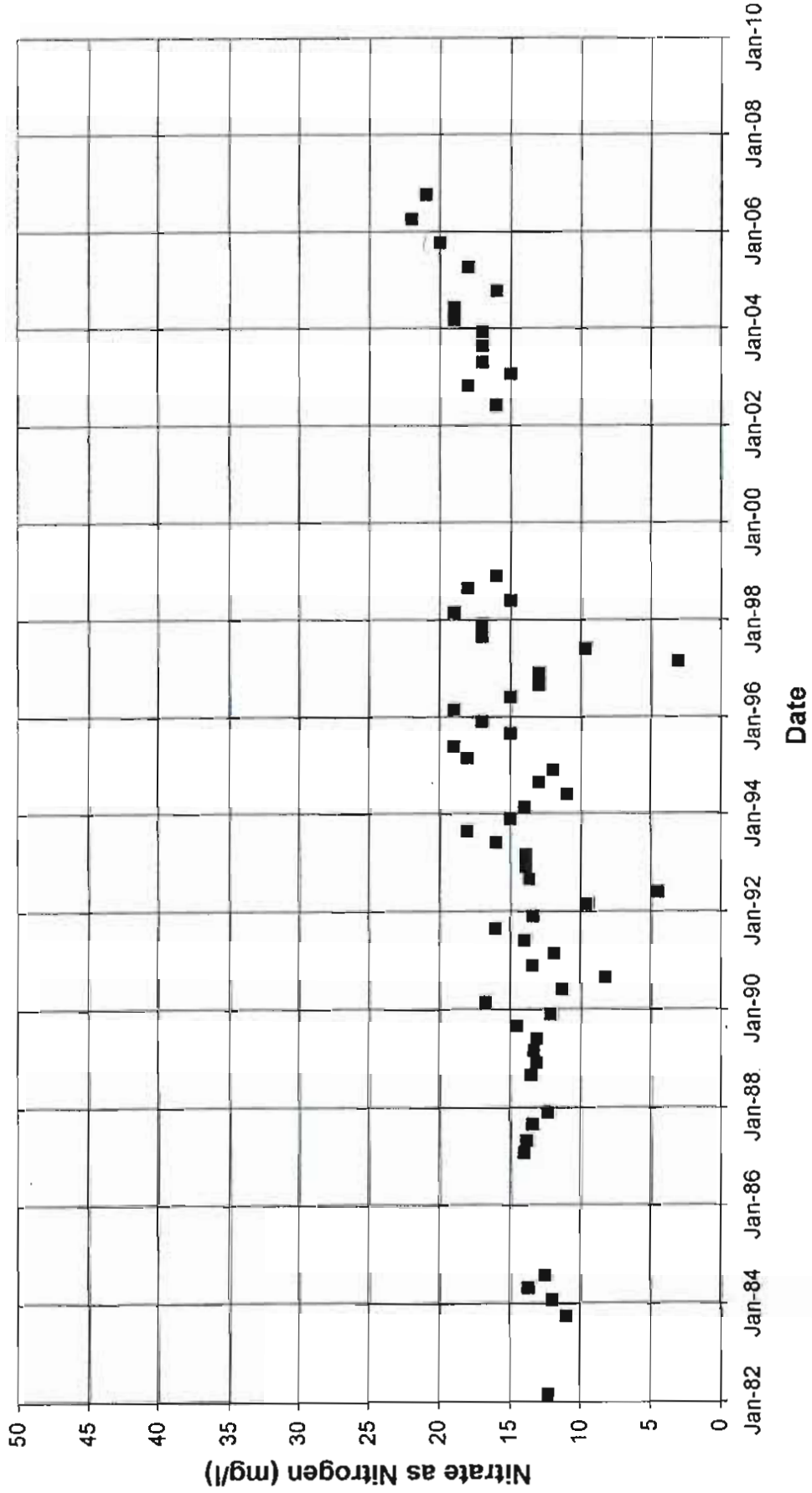
Graph 15  
Well 30S/11E-7L3  
NO<sub>3</sub>-N vs Time



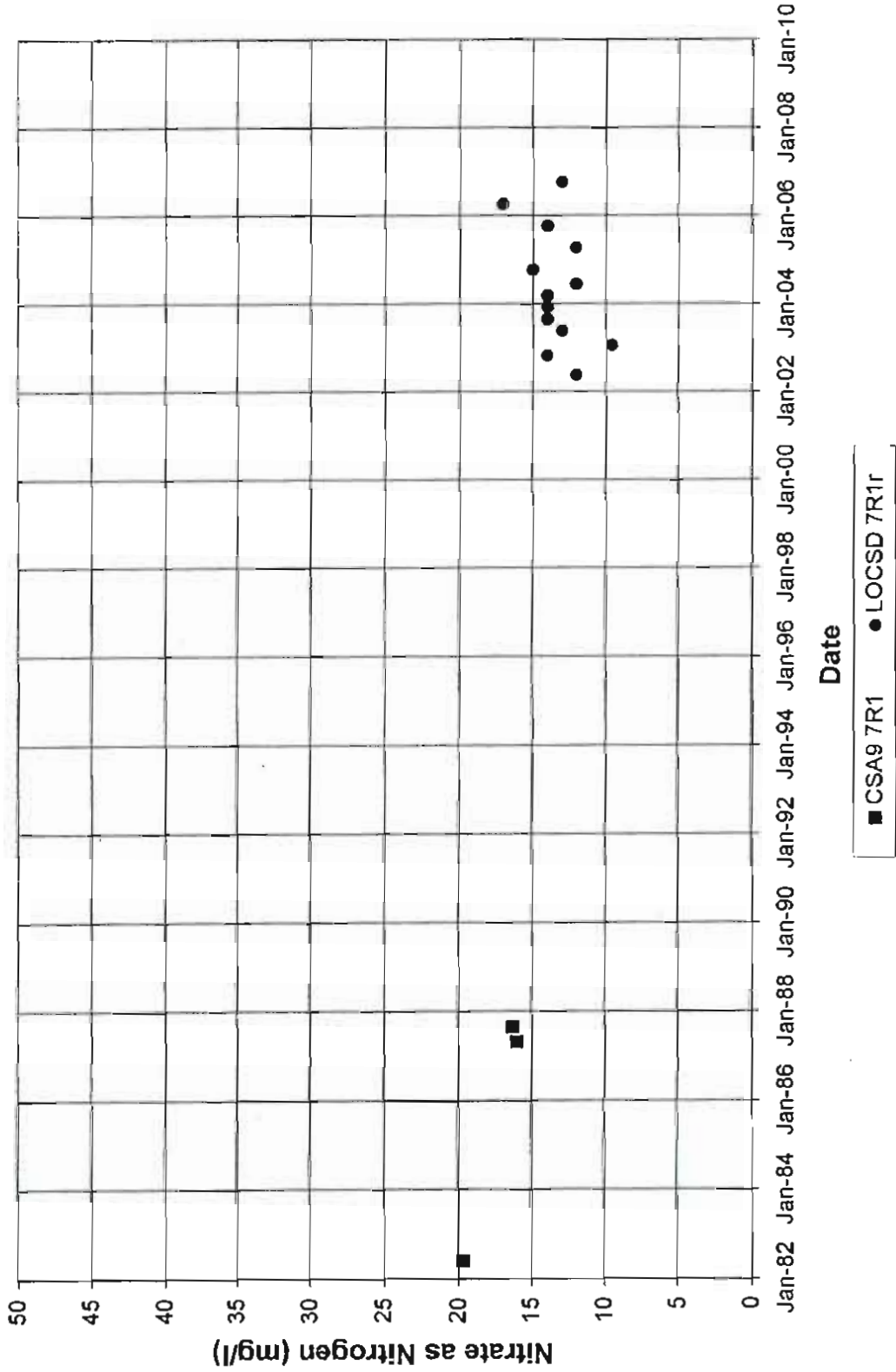
Graph 17  
Well 30S/11E-7N1  
NO<sub>3</sub>-N vs Time



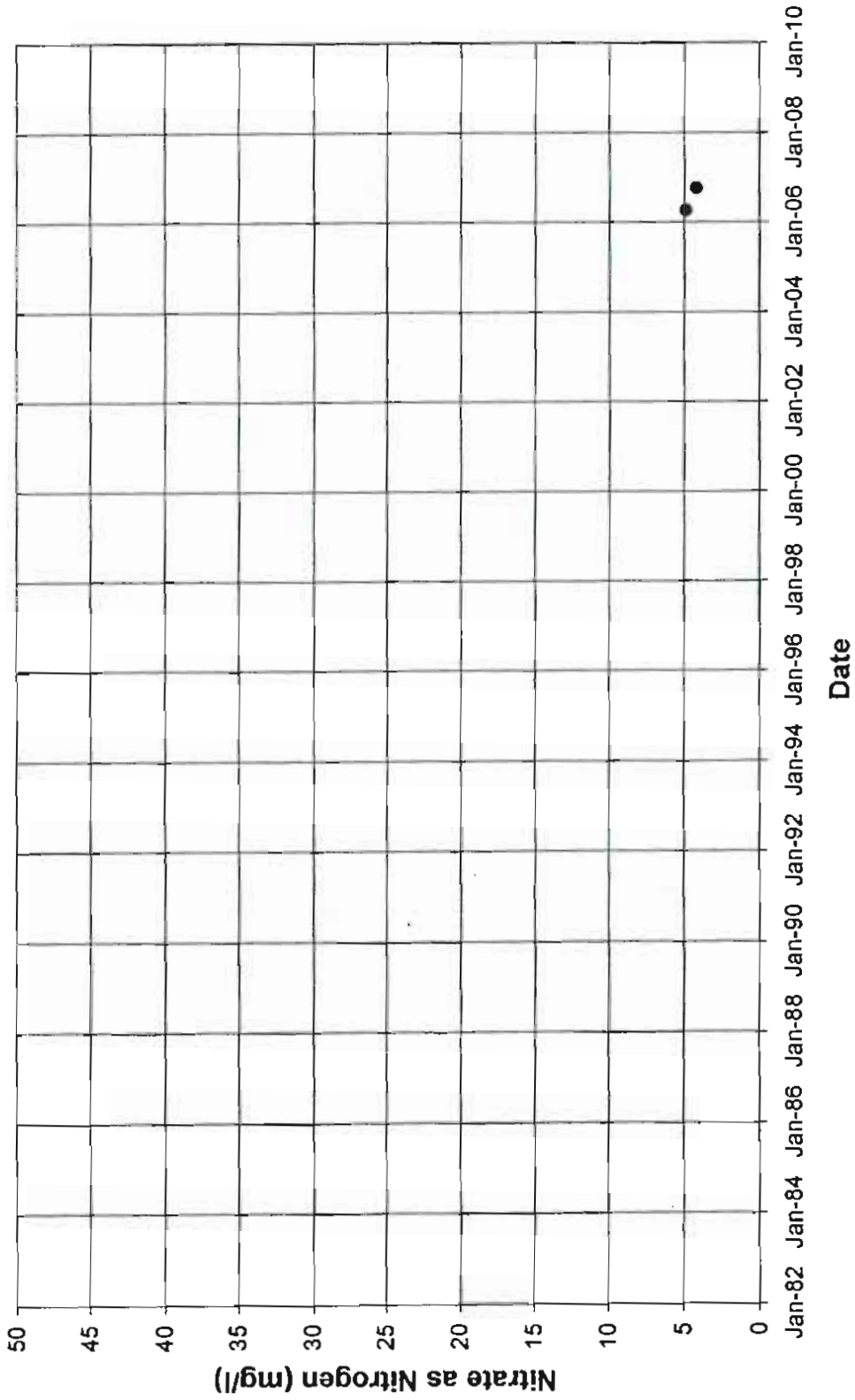
Graph 19  
Well 30S/11E-7Q1  
NO<sub>3</sub>-N vs Time



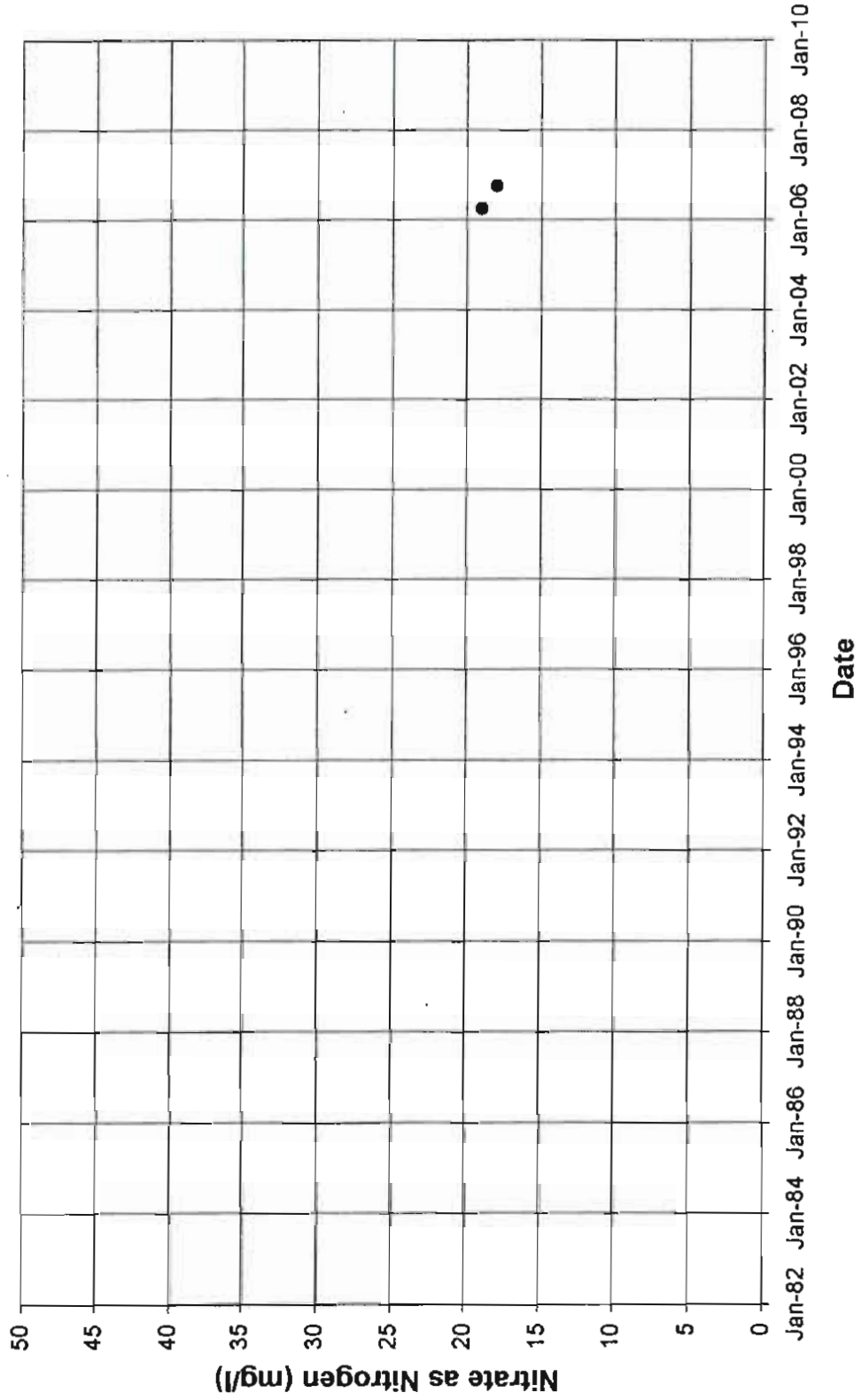
Graph 21  
Well 30S/11E-7R1  
NO<sub>3</sub>-N vs Time



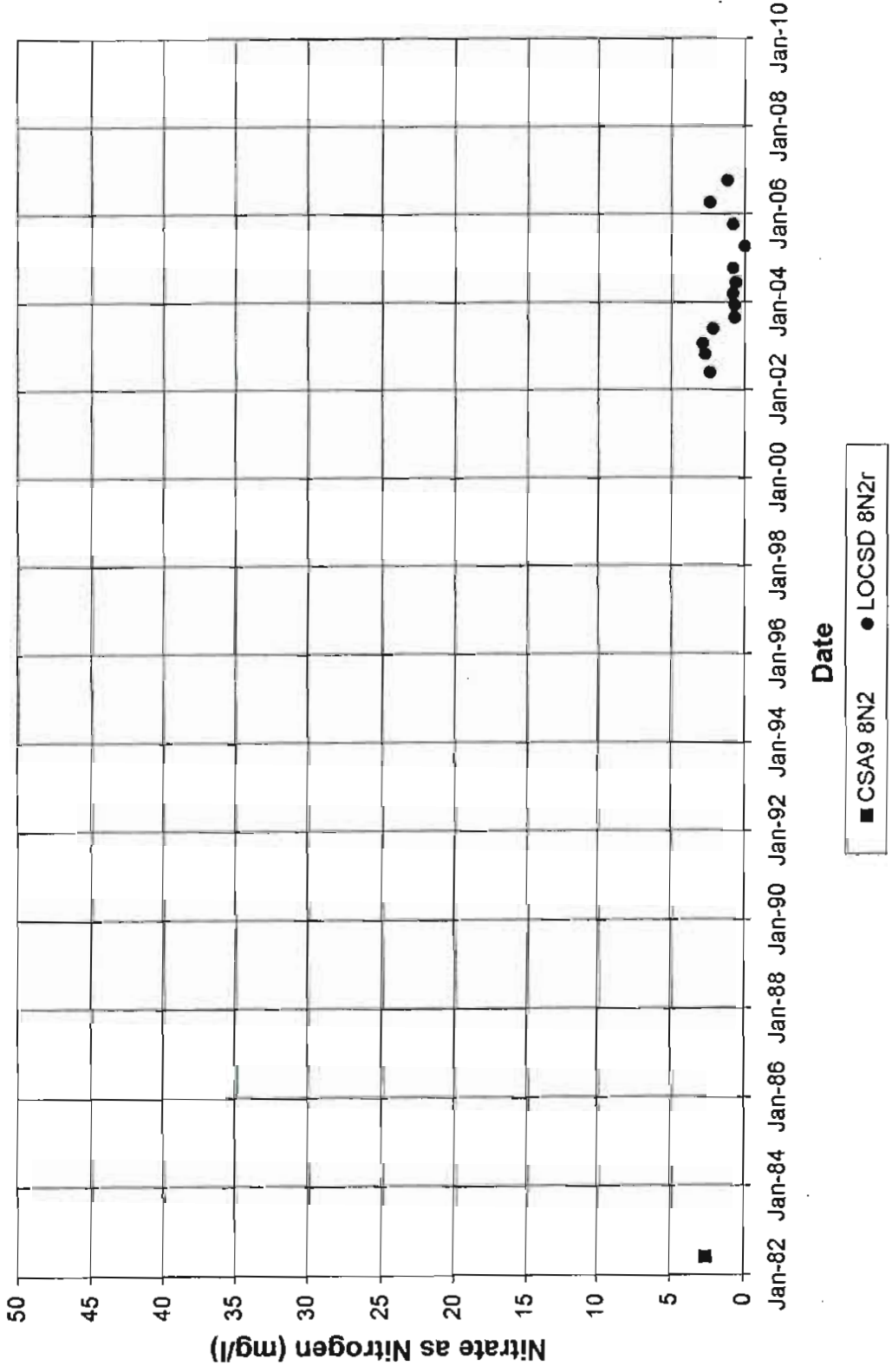
Graph 23  
Well 30S/11E-8Ma  
NO<sub>3</sub>-N vs Time



Graph 25  
Well 30S/11E-8Mb  
NO<sub>3</sub>-N vs Time

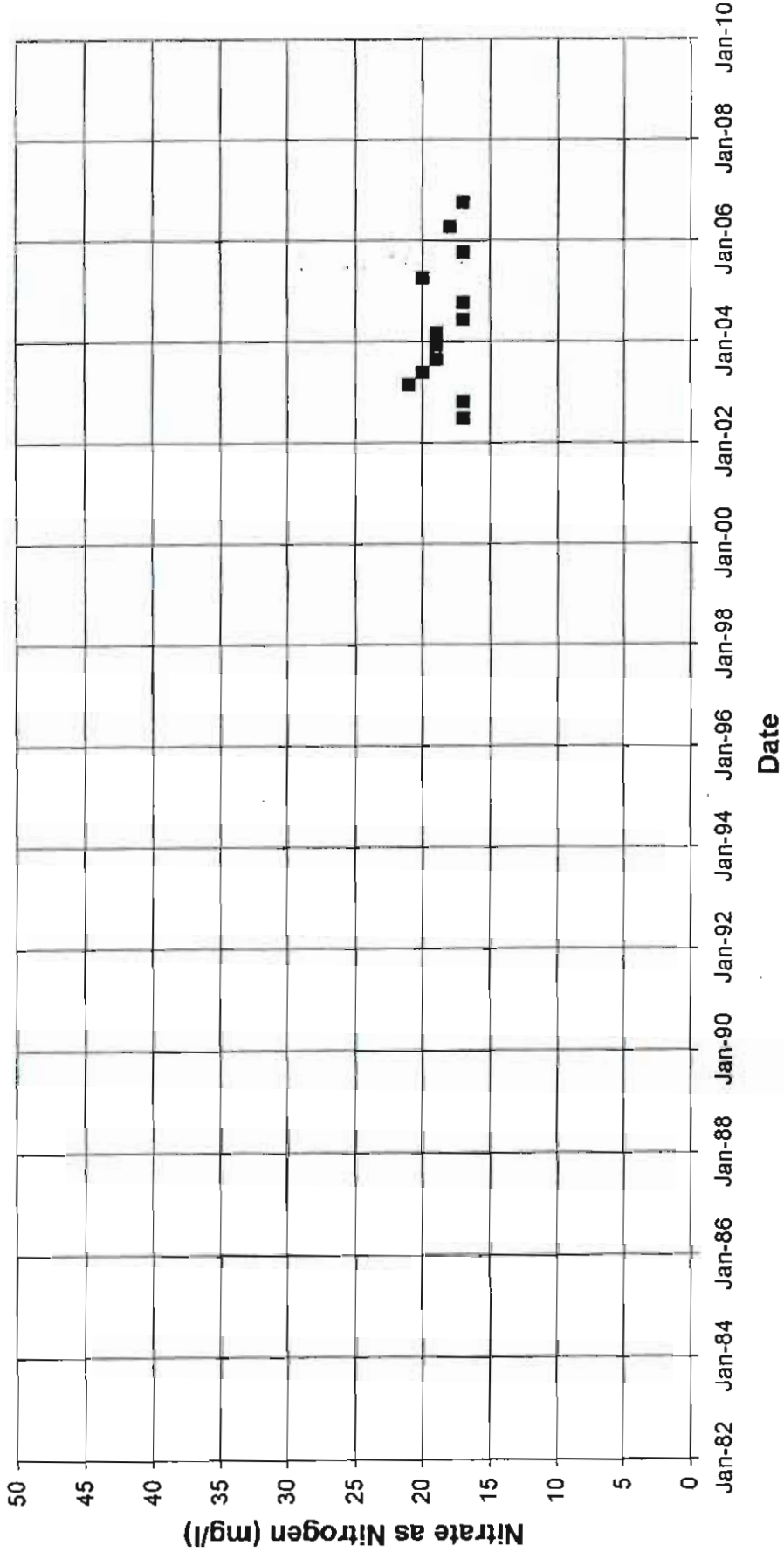


Graph 27  
Well 30S/11E-8N2  
NO<sub>3</sub>-N vs Time

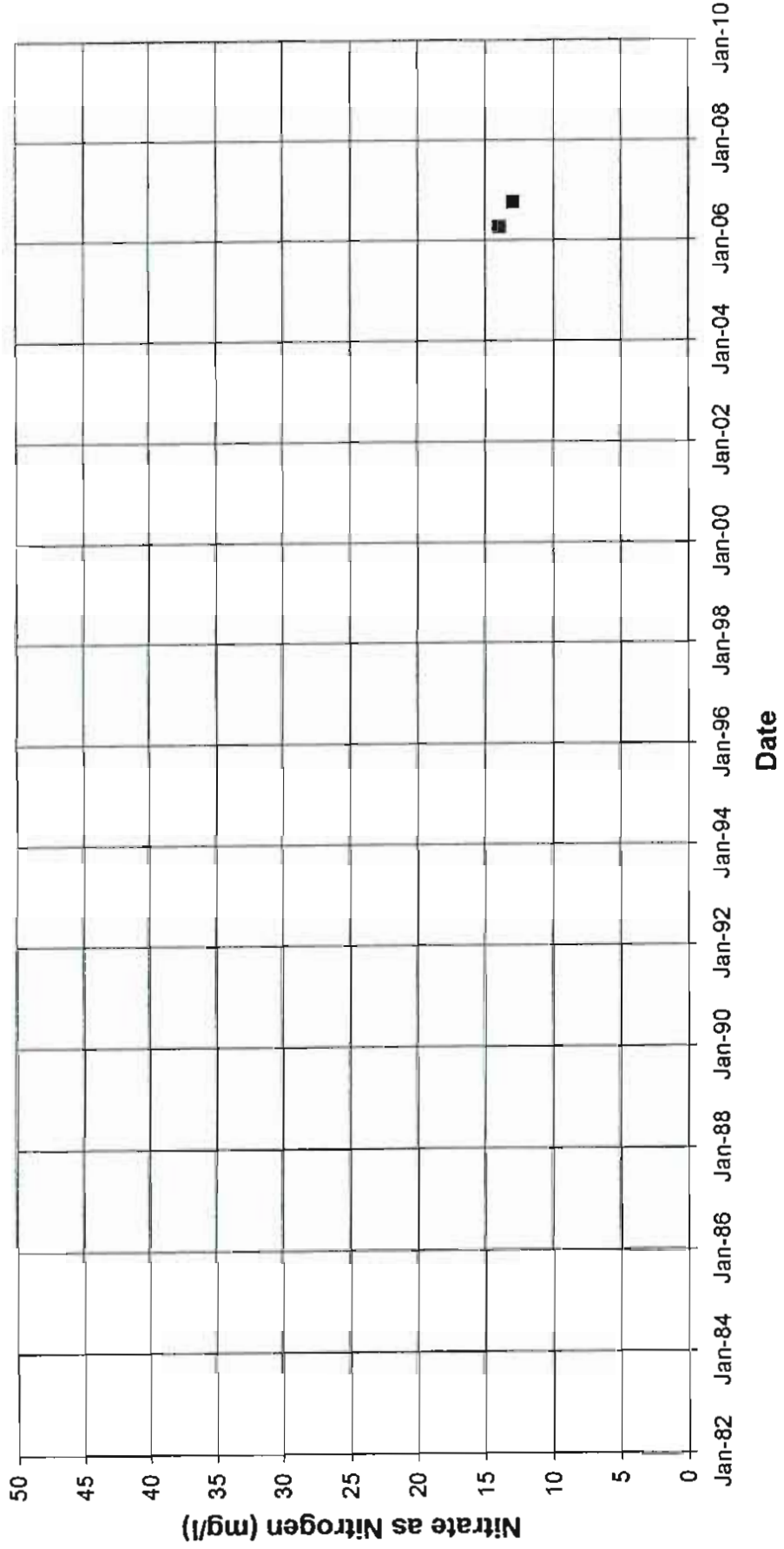




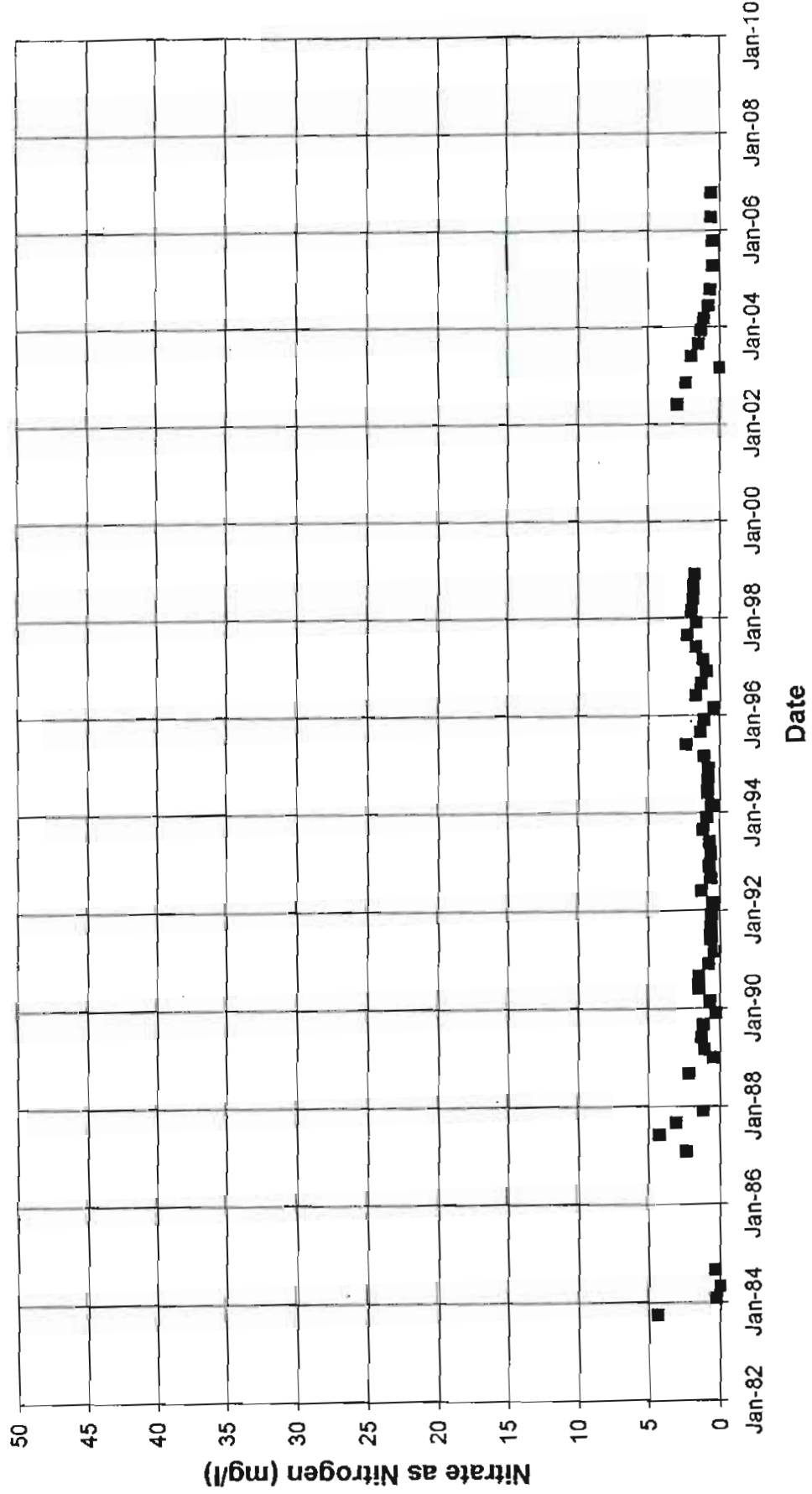
Graph 29  
Well 30S/11E-17D  
NO<sub>3</sub>-N vs Time



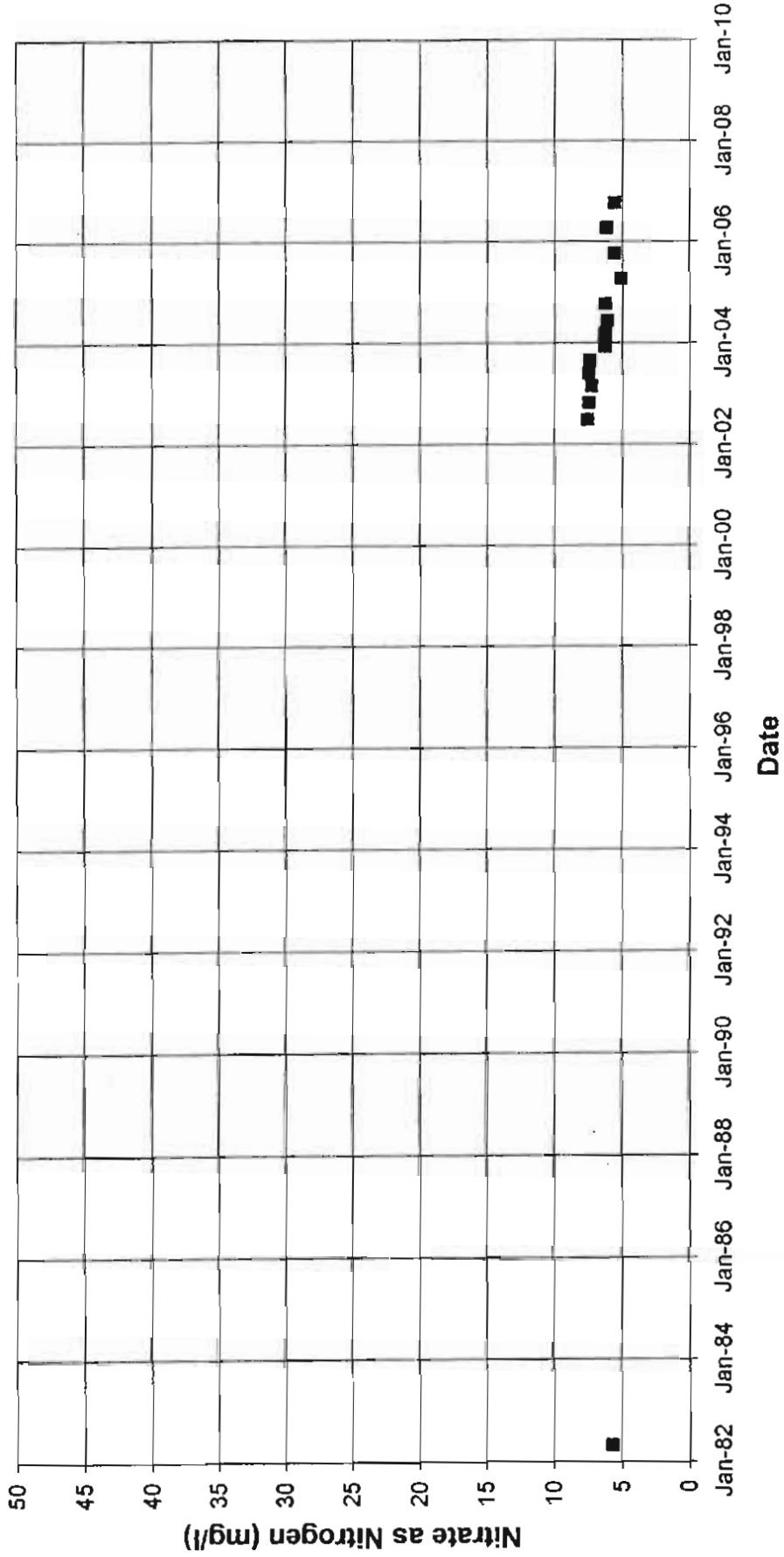
Graph 31  
Well 30S/11E-17E9  
NO<sub>3</sub>-N vs Time



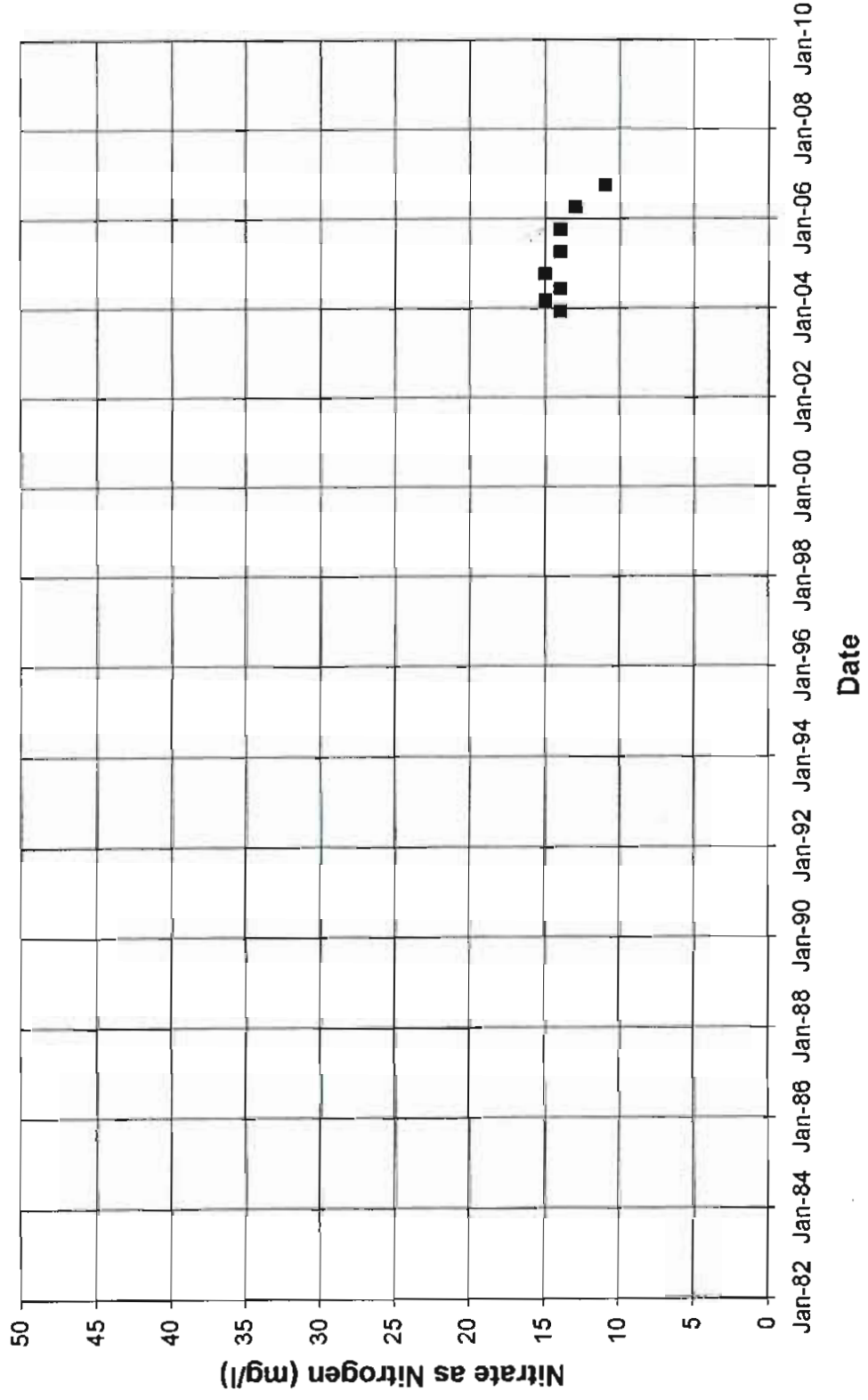
Graph 33  
Well 30S/11E-17F4  
NO<sub>3</sub>-N vs Time



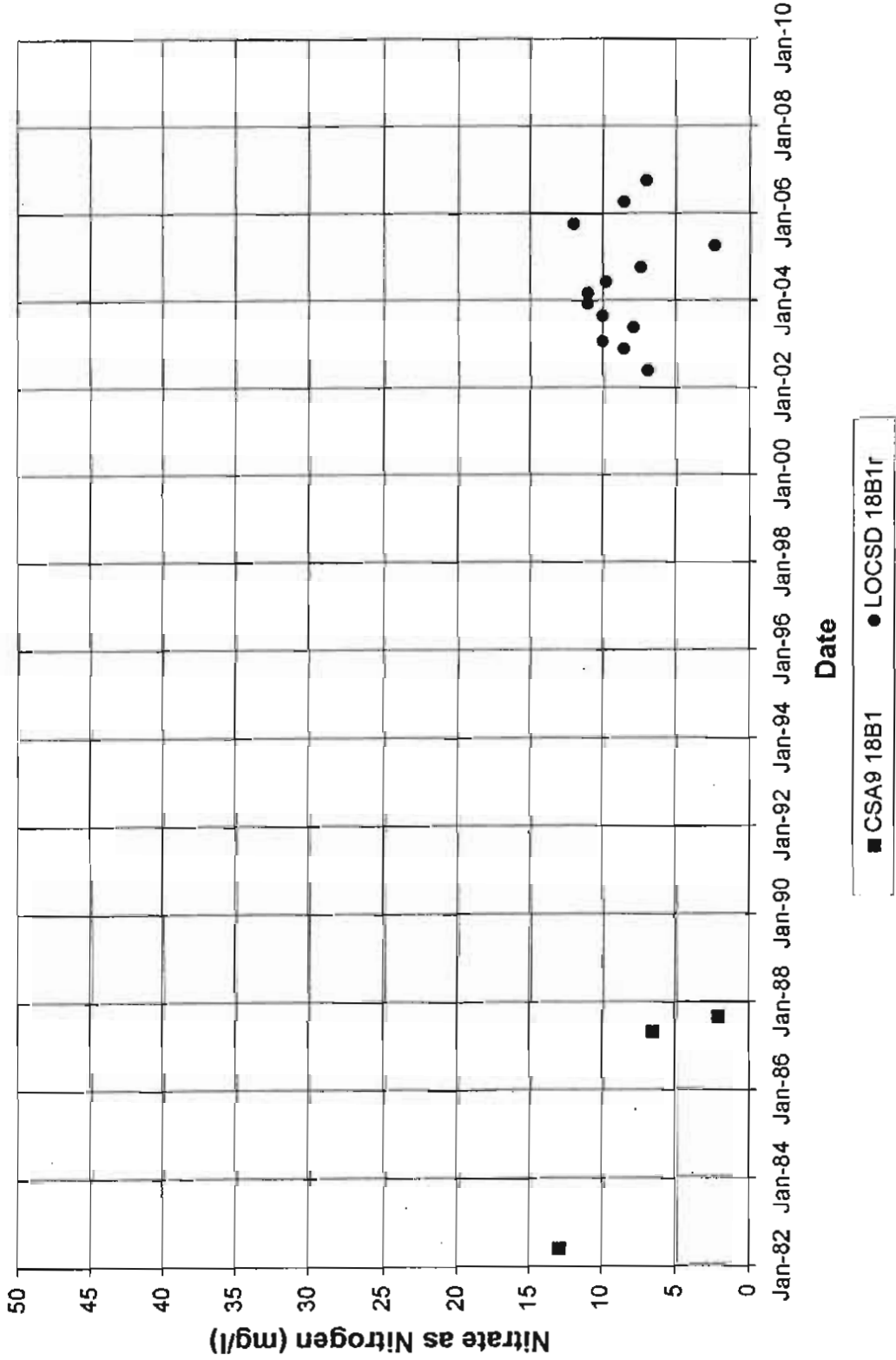
**Graph 35**  
**Well 30S/11E-17N4**  
**NO<sub>3</sub>-N vs Time**



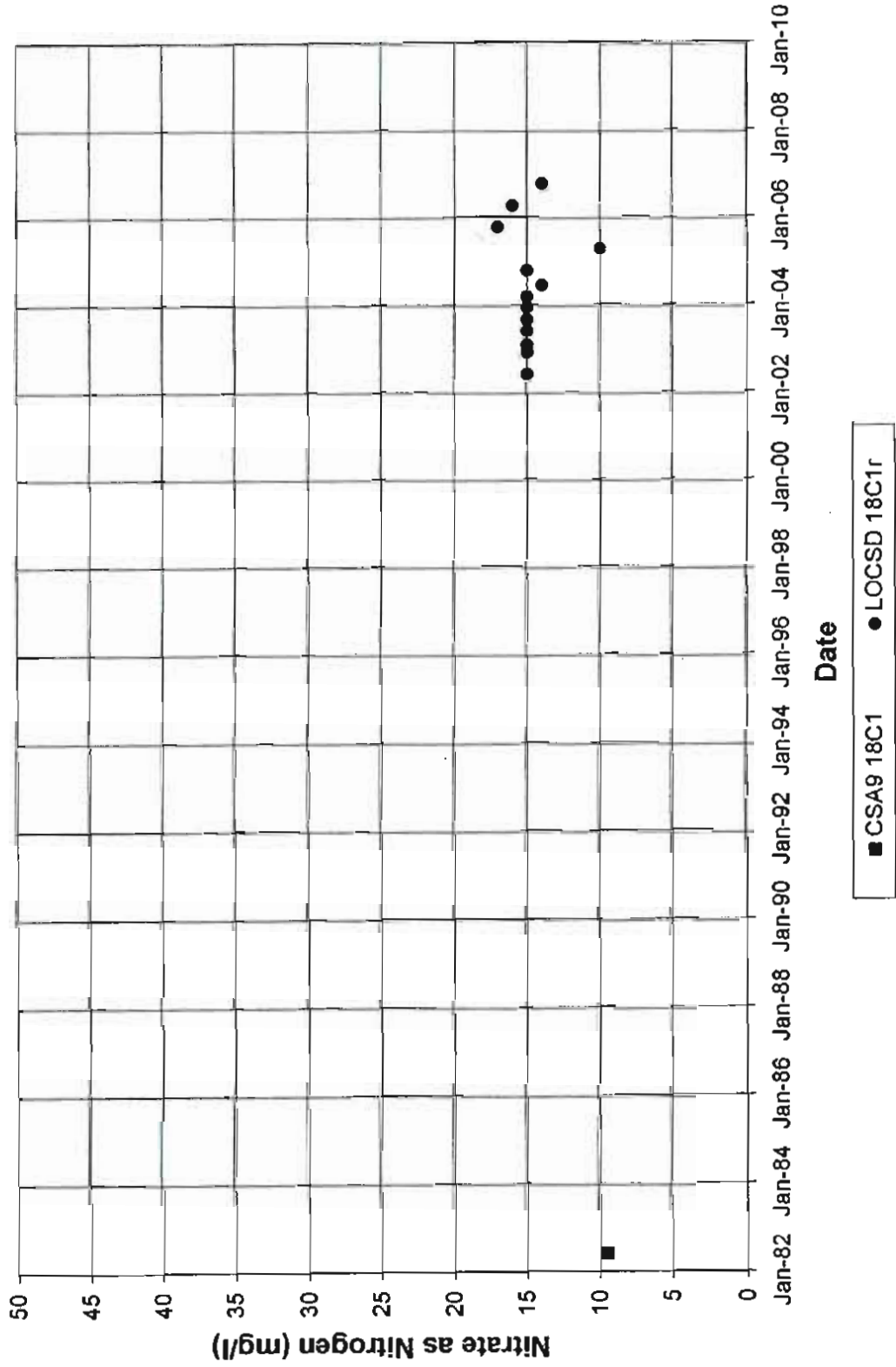
**Graph 37**  
**Well 30S/11E-18A**  
**NO<sub>3</sub>-N vs Time**



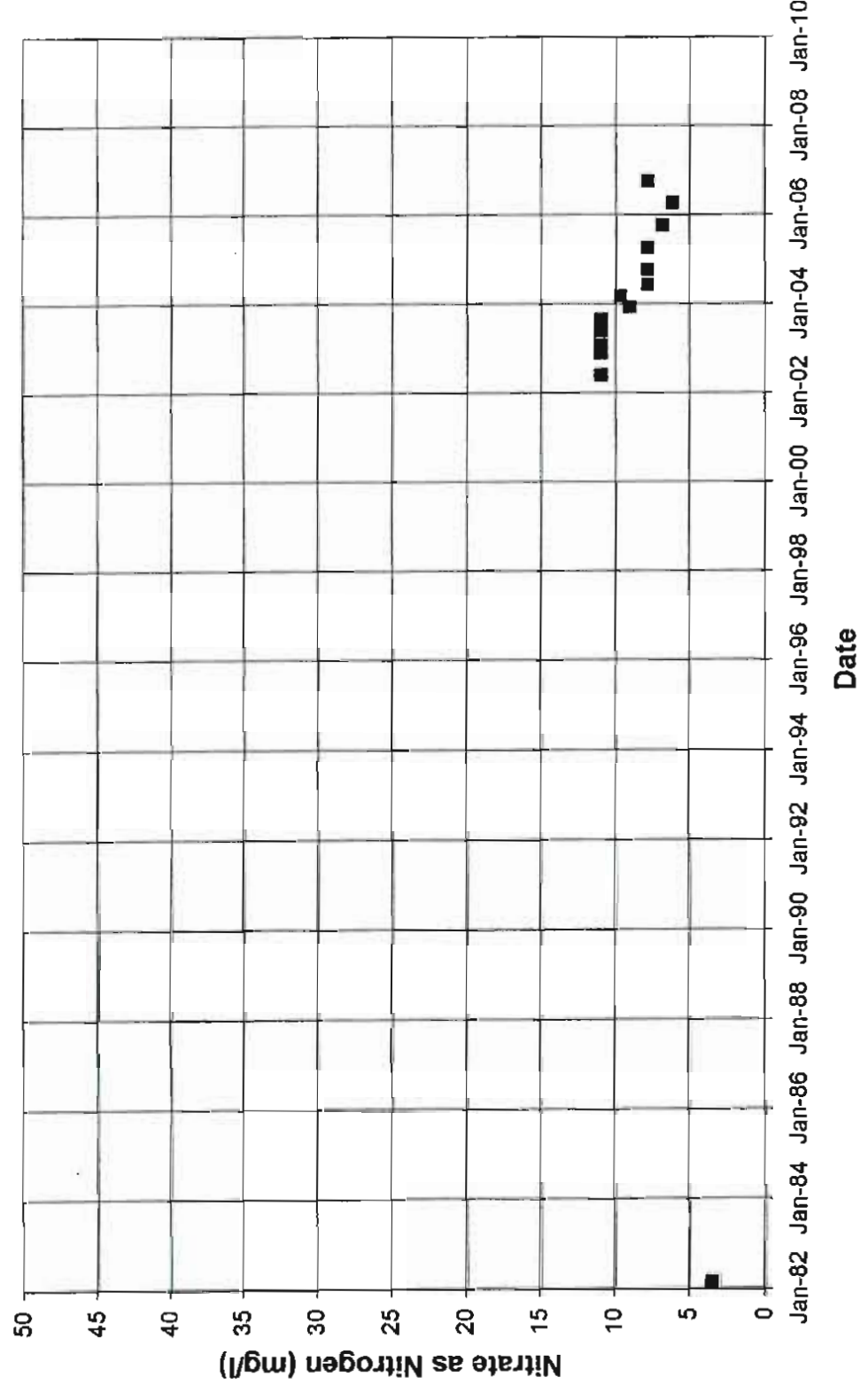
Graph 39  
Well 30S/11E-18B1  
NO<sub>3</sub>-N vs Time



Graph 41  
Well 30S/11E-18C1  
NO<sub>3</sub>-N vs Time

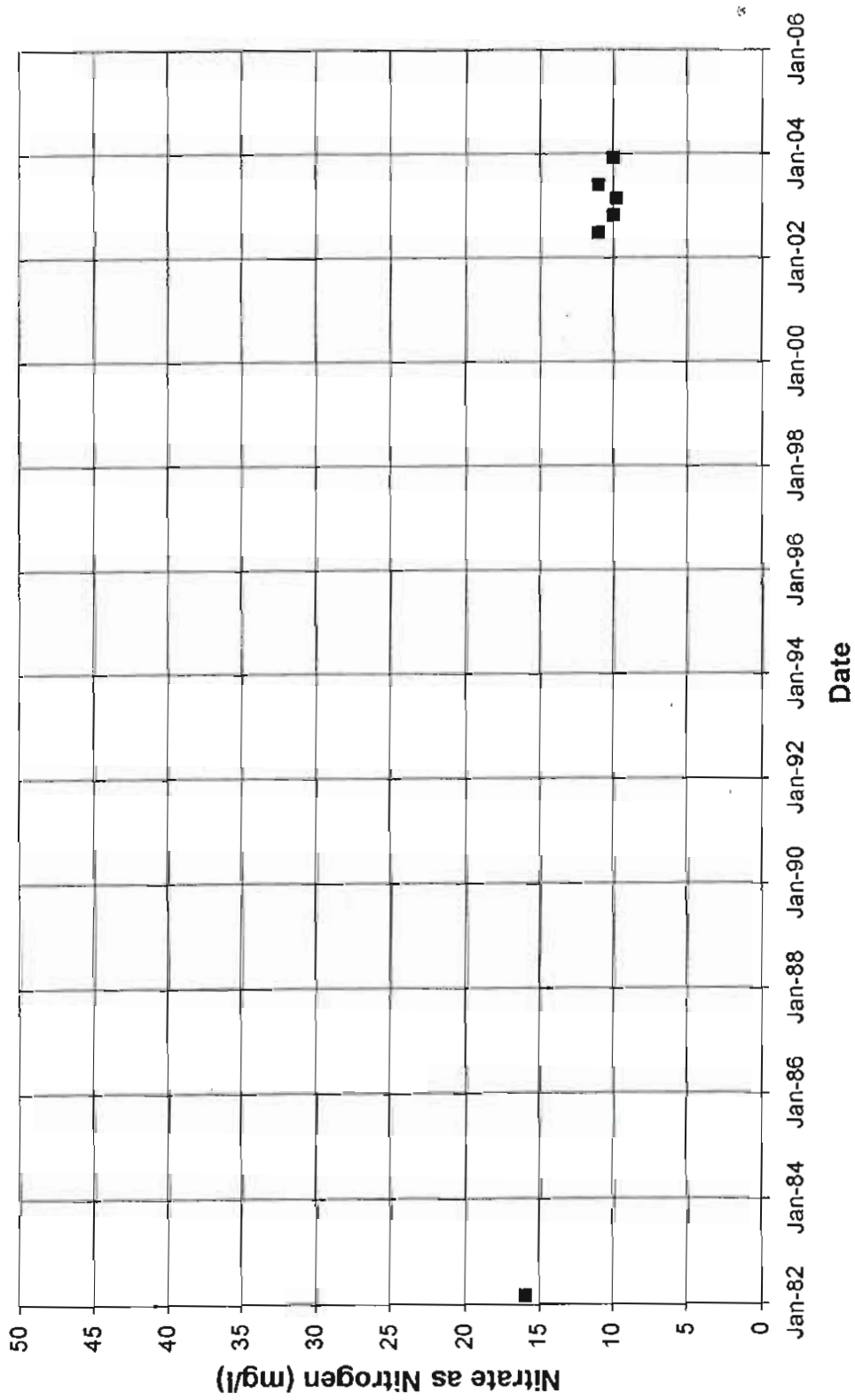


Graph 43  
Well 30S/11E-18E1  
NO<sub>3</sub>-N vs Time

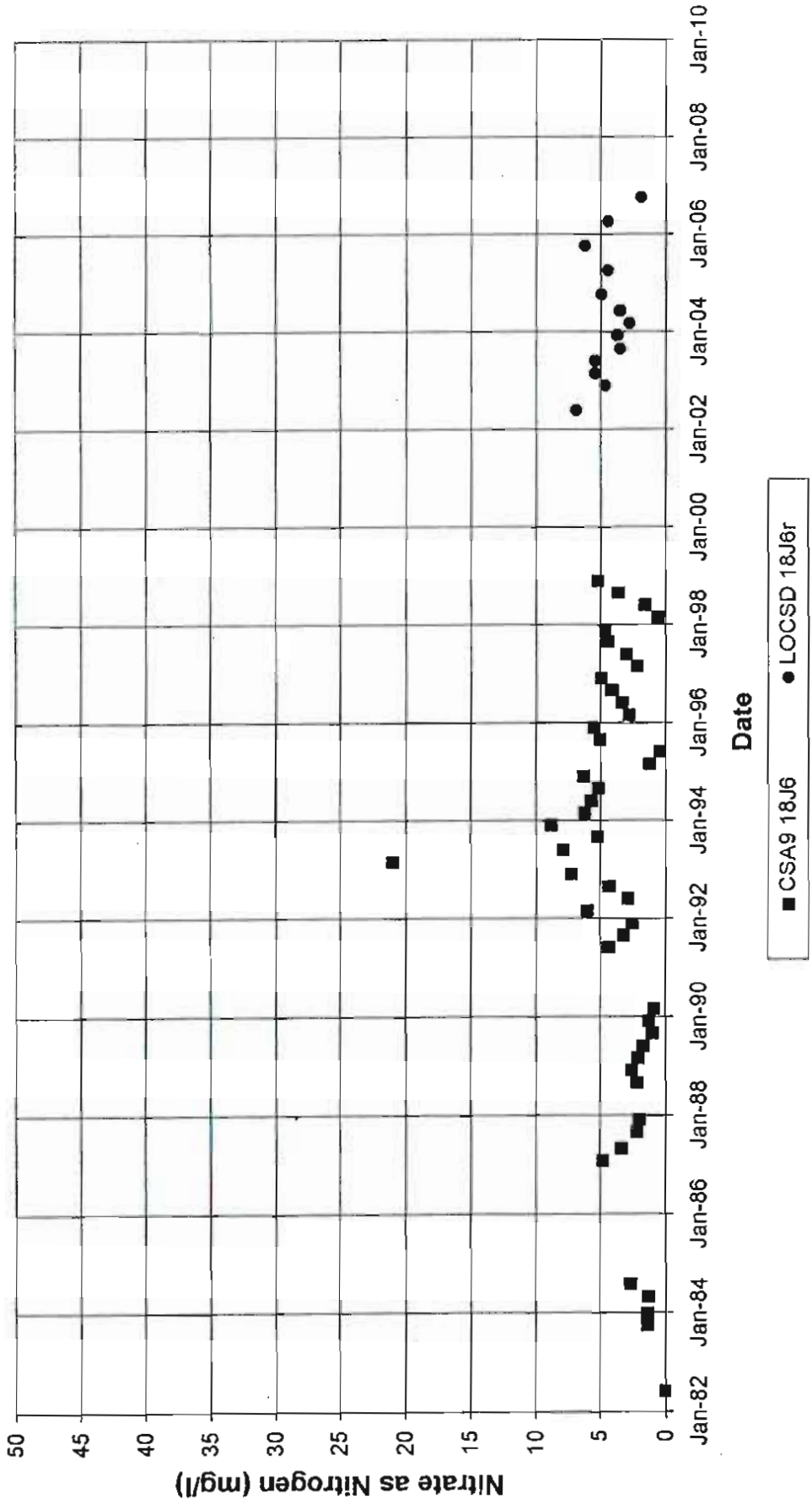




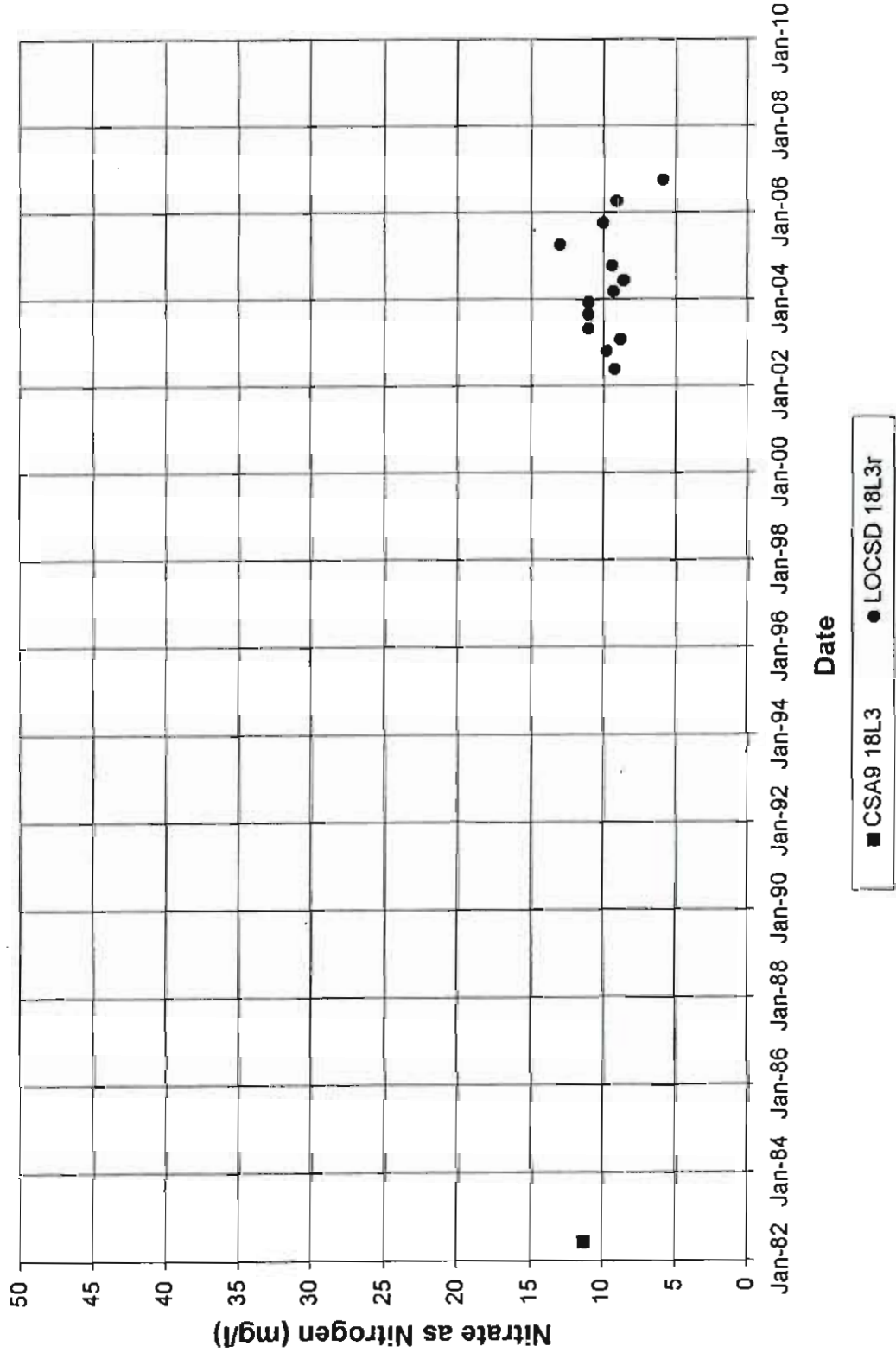
Graph 45  
Well 30S/11E-18H3  
NO<sub>3</sub>-N vs Time



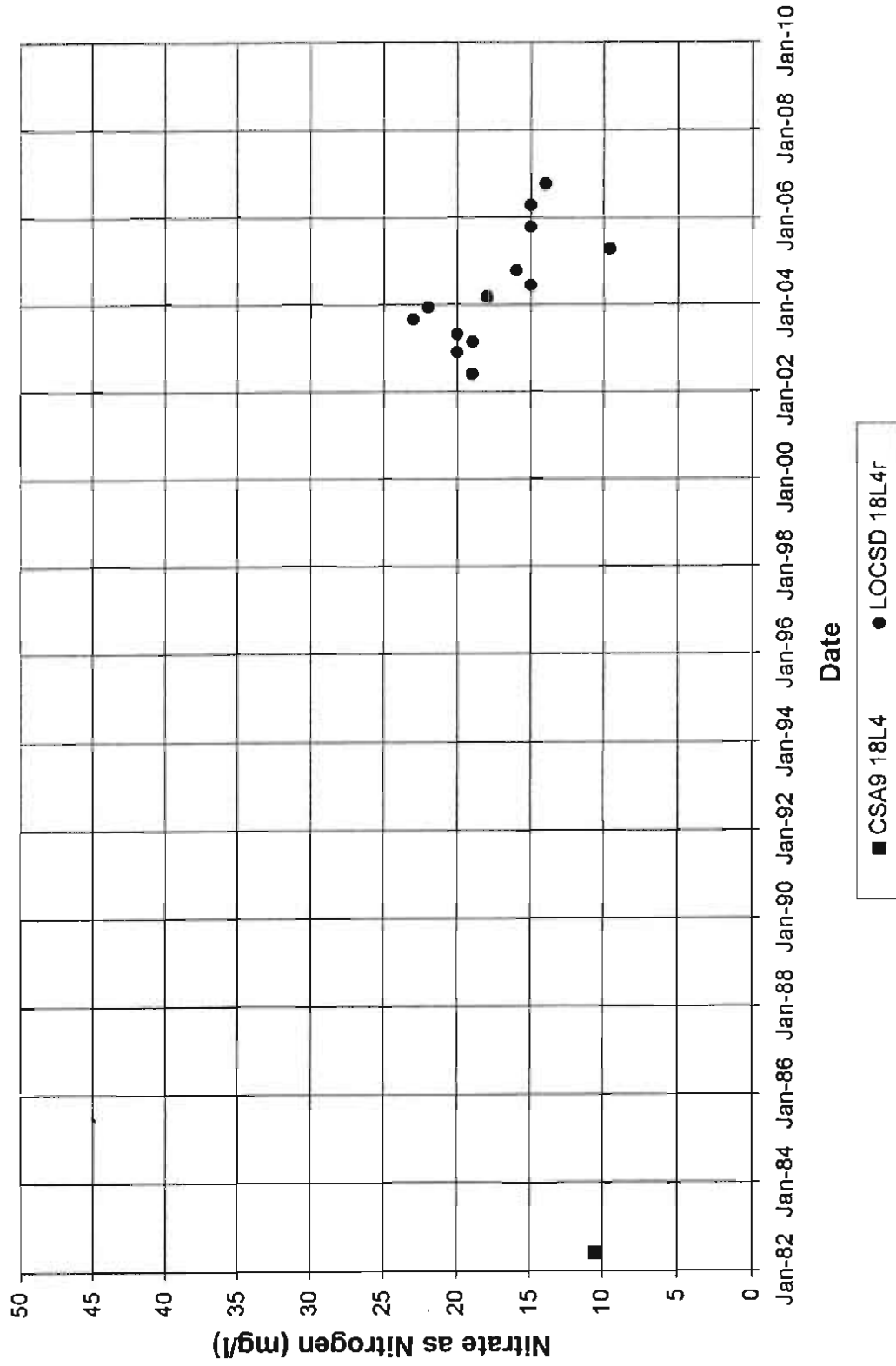
Graph 47  
Well 30S/11E-18J6  
NO<sub>3</sub>-N vs Time



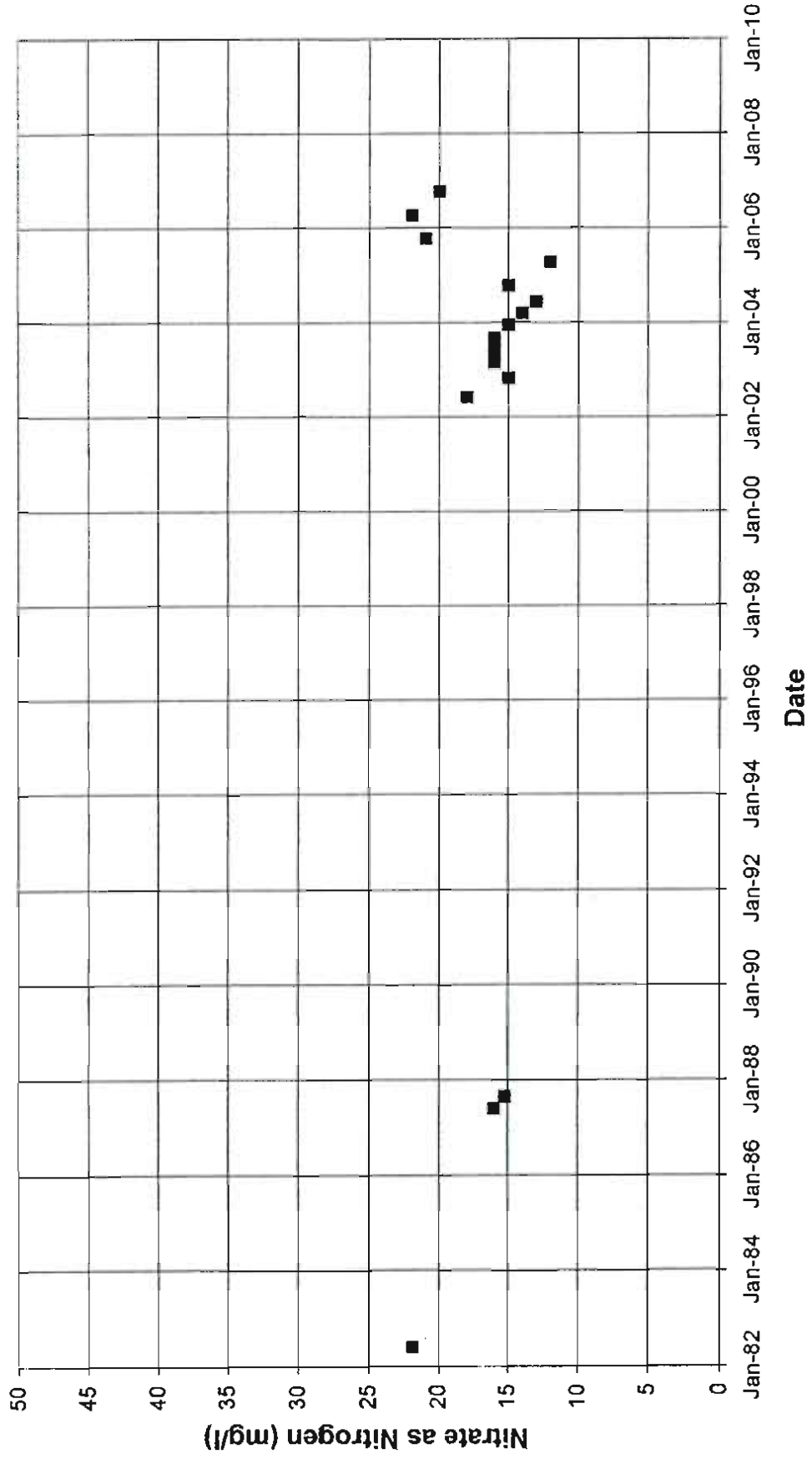
Graph 49  
Well 30S/11E-18L3  
NO<sub>3</sub>-N vs Time



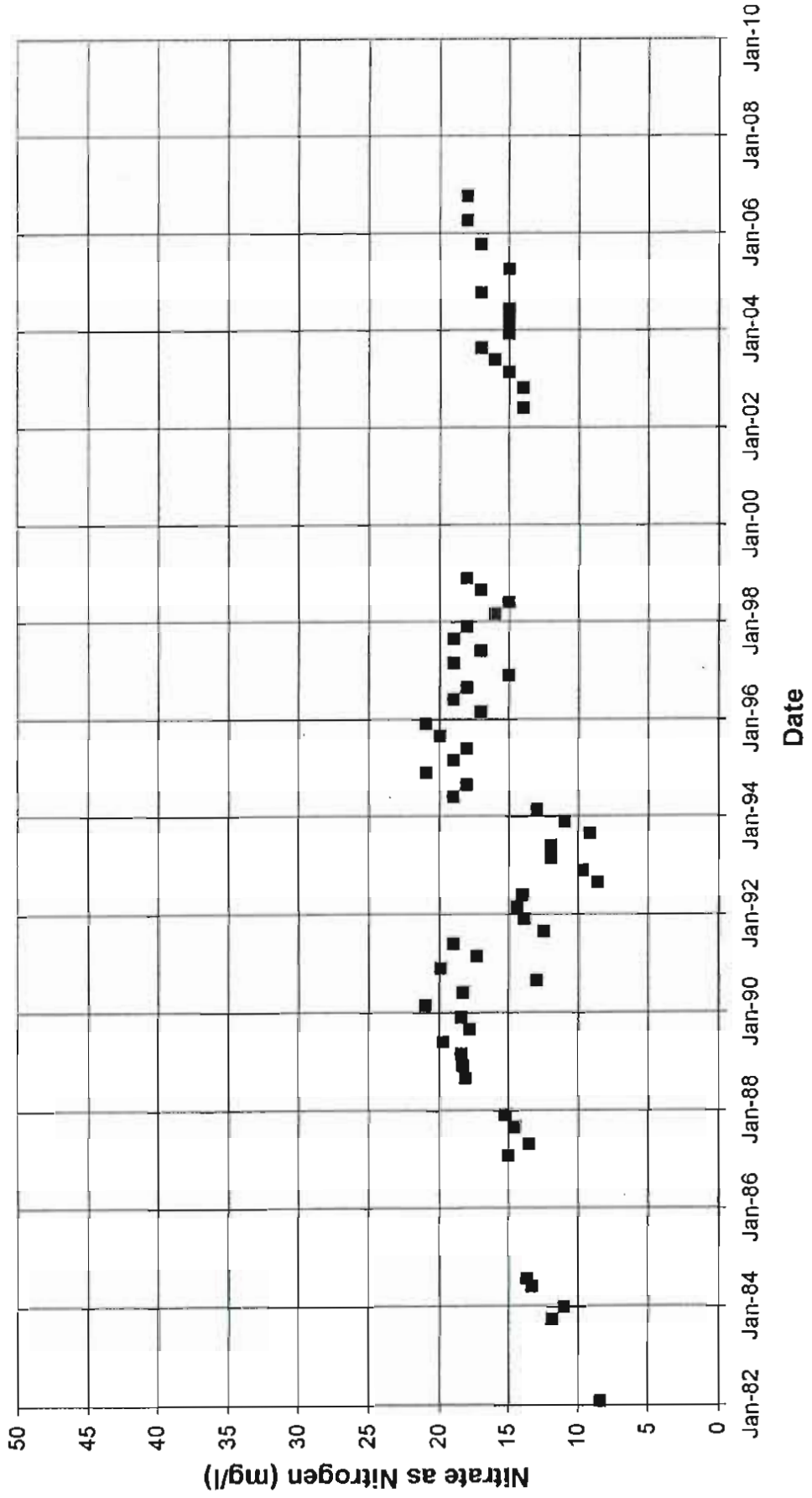
Graph 51  
Well 30S/11E-18L4  
NO<sub>3</sub>-N vs Time



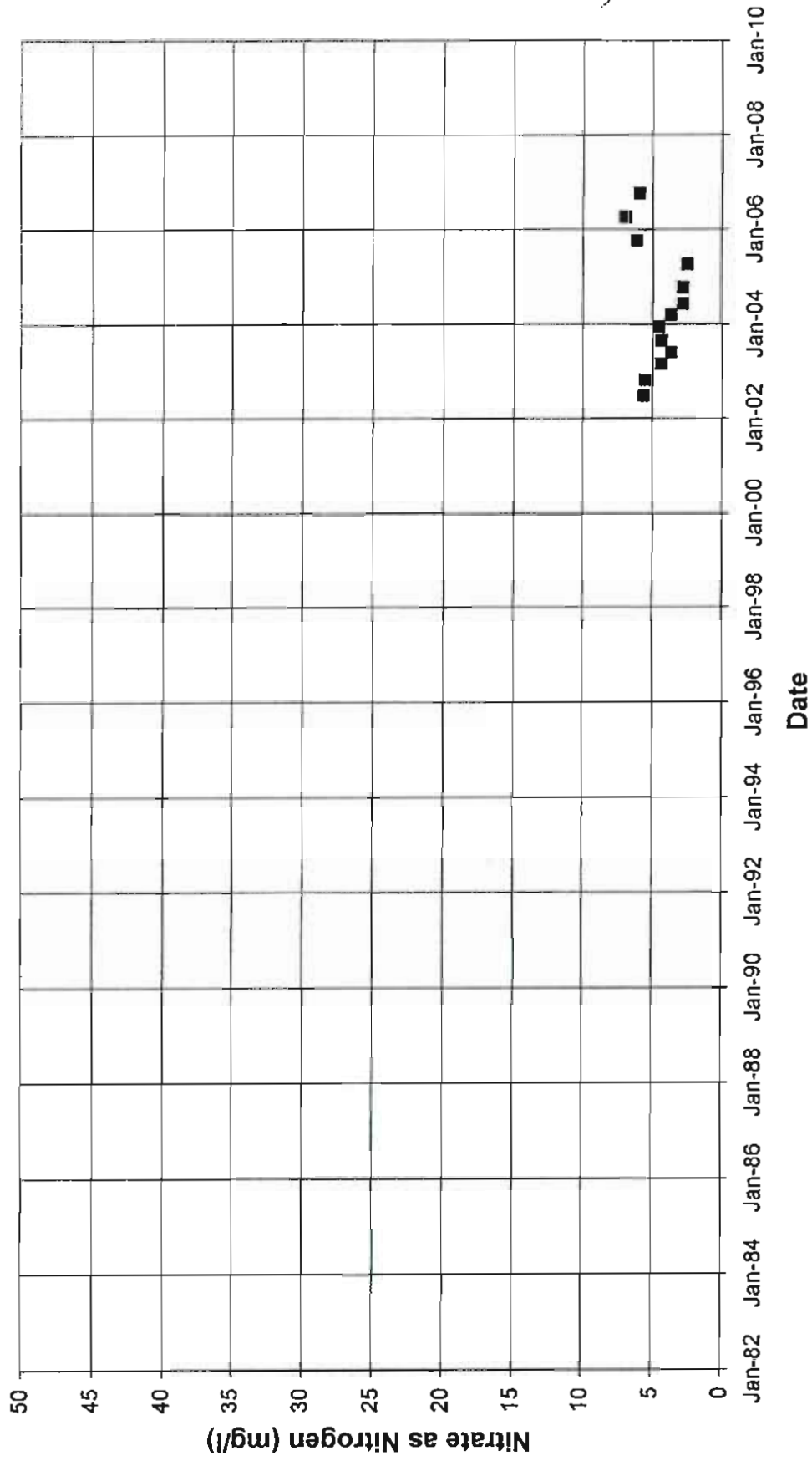
Graph 53  
Well 30S/11E-18N1  
NO<sub>3</sub>-N vs Time



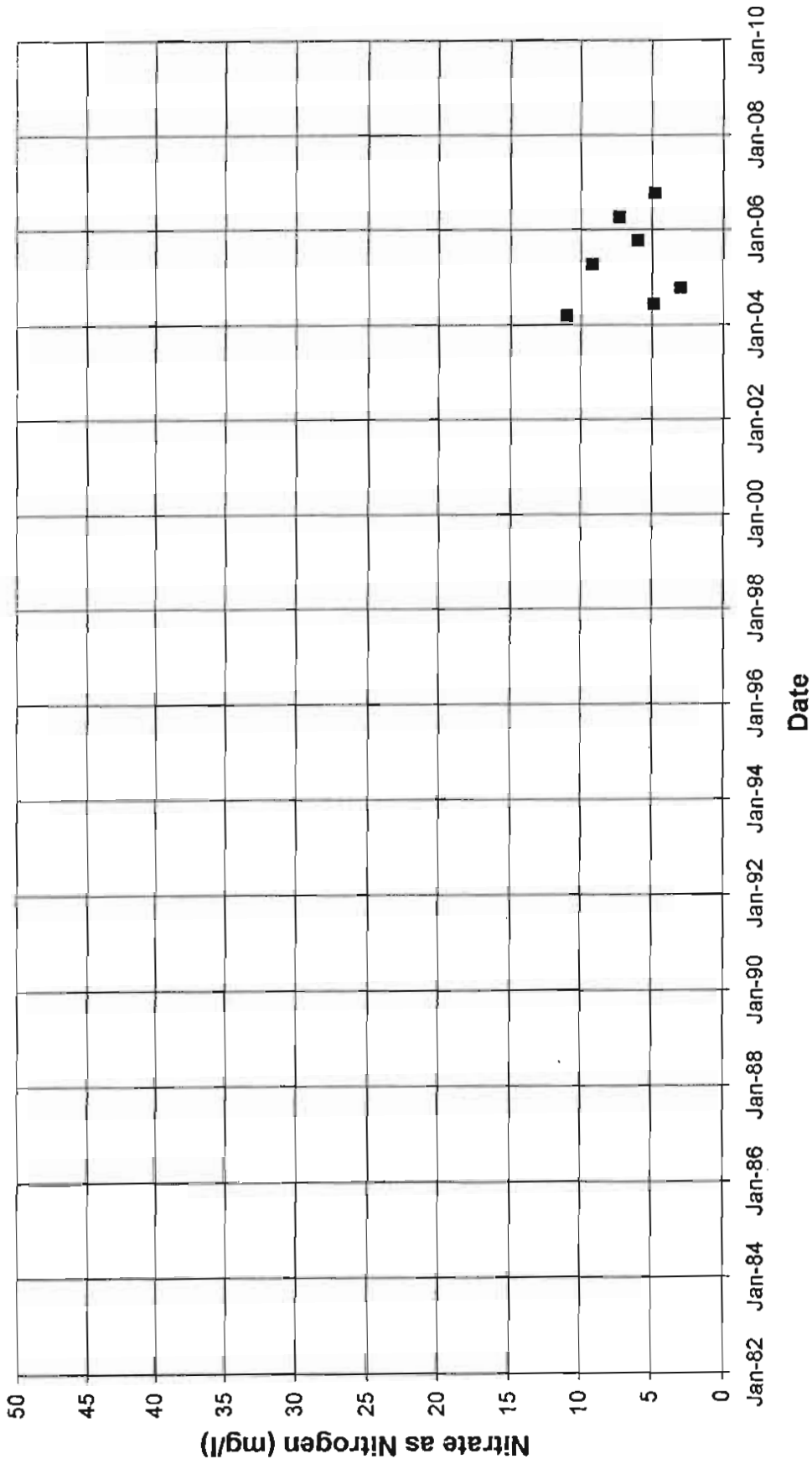
Graph 55  
Well 30S/11E-18R1  
NO<sub>3</sub>-N vs Time



Graph 57  
Well 30S/11E-20B  
NO<sub>3</sub>-N vs Time



Graph 59  
Well 30S/11E-21D  
NO<sub>3</sub>-N vs Time







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**APPENDIX C**  
**Laboratory Reports**

**Table 4  
Purveyor Water Quality Results**

| Well ID  | Date sampled | Temp °C | pH - Field units | TDS mg/l | EC µmhos/cm | Ca mg/l | Mg mg/l | K mg/l | Na mg/l | HCO3 mg/l | SO4 mg/l | Cl mg/l | NO3-N mg/l | Supply Aquifer |
|--|--------------|---------|------------------|----------|-------------|---------|---------|--------|---------|-----------|----------|---------|------------|----------------|
| LOCSD Wells<br>30S/11E-7Q3<br>8 <sup>th</sup> Street | May 2002     | 17.7    | 7.03             | 430      | 730         | 45      | 41      |        | 51      | 280       | 40       | 67      | <0.4       | lower          |
|  | Apr 2003     |         |                  |          |             |         |         |        |         |           |          |         | <0.4       |                |
|  | Nov 2004     |         |                  | 410      | 790         | 44      | 40      | 2.3    | 48      | 250       | 39       | 73      | <0.4       |                |
|  | May 2005     | 21.5    | 6.89             | 440      | 760         | 48      | 43      |        | 53      | 330       | 40       | 78      | <0.1       |                |
|  | May 2002     | 17.2    | 6.74             | 170      | 260         | 14      | 8.7     |        | 22      | 88        | 7        | 31      | <0.1       | upper          |
| 30S/11E-7N1<br>3 <sup>rd</sup> Street                | Apr 2003     |         |                  |          |             |         |         |        |         |           |          |         | 2.4        |                |
|  | Jan 2005     |         |                  | 170      | 250         | 13      | 9.3     | 1.1    | 21      | 80        | 6.1      | 28      | 2.2        |                |
|  | May 2002     | 20.3    | 6.8              | 310      | 520         | 33      | 32      |        | 32      | 240       | 16       | 35      | 1.6        | mixed          |
| 30S/11E-17E11<br>South Bay                           | Apr 2003     |         |                  |          |             |         |         |        |         |           |          |         | 1.4        |                |
|  | May 2005     | 21.8    | 7.00             | 290      | 480         | 29      | 30      |        | 31      | 220       | 14       | 38      | 3.1        |                |
|  | May 2002     | 19.5    | 6.86             | 320      | 550         | 31      | 32      |        | 39      | 250       | 26       | 37      | 0.94       | mixed          |
| 30S/11E-18K9<br>10 <sup>th</sup> Street              | Apr 2003     |         |                  |          |             |         |         |        |         |           |          |         | 0.96       |                |
|  | May 2005     | 21.3    | 6.86             | 140      | 230         | 11      | 8       |        | 22      | 62        | 4.3      | 29      | 4.3        |                |
|  | May 2002     | 18.8    | 6.83             | 390      | 680         | 47      | 40      |        | 40      | 260       | 33       | 61      | 0.4        | lower          |
| 30S/11E-18L2<br>Palisades                            | Apr 2003     |         |                  |          |             |         |         |        |         |           |          |         | <0.4       |                |
|  | Nov 2004     |         |                  | 420      | 880         | 54      | 48      | 2.2    | 40      | 220       | 31       | 120     | <0.4       |                |
|  | Mar 2005     |         |                  |          |             |         |         |        |         |           |          |         | 0.7        |                |
|  | May 2005     | 22.6    | 6.78             | 510      | 860         | 57      | 53      |        | 42      | 290       | 32       | 130     | 0.42       |                |
|  |              |         |                  |          |             |         |         |        |         |           |          |         |            |                |



**Table 4 (Continued)  
Purveyor Water Quality Results**

| Well ID                       | Date sampled | Temp °C | pH - Field units | TDS mg/l | EC µmhos/cm | Ca mg/l | Mg mg/l | K mg/l | Na mg/l | HCO3 mg/l | SO4 mg/l | Cl mg/l | NO3-N mg/l | Supply Aquifer |
|-------------------------------|--------------|---------|------------------|----------|-------------|---------|---------|--------|---------|-----------|----------|---------|------------|----------------|
| <b>CCW Wells</b>              |              |         |                  |          |             |         |         |        |         |           |          |         |            |                |
| 30S/10E-13F1*<br>Skyline      | Aug 2002     | 19.9    | 6.9              | 340      | 590         | 33      | 18      | 1.7    | 53      | 110       | 26       | 64      | 20         | upper          |
|                               | Jan 2003     |         | 6.8              | 300      | 640         | 27      | 19      | 1.5    | 53      | 110       | 28       | 67      | 19         |                |
|                               | April 2006   |         |                  | 354      | 600         | 30.1    | 23      | 1.8    | 56.3    | 110       | 33       | 61      | 19         |                |
| 30S/10E-24C1<br>Cabrillo      | Jan 2000     | 20      | 7.18             | 297      | 595         | 31.1    | 20.8    | 1.6    | 52.8    | 97.5      | 18.4     | 112     | 2.7        | lower          |
|                               | Jan 2003     |         | 7.2              | 330      | 640         | 37      | 26      | 2.2    | 49      | 91        | 22       | 130     | 4.3        |                |
|                               | Dec 2004     |         |                  | 310      | 610         | 22      | 19      | 1.6    | 50      | 64        | 19       | 110     | 4.5        |                |
|                               | Jan 2006     |         |                  |          |             | 17      | 16      | 1.6    | 46      |           |          | 120     | 4.2        |                |
| 30S/10E-13J1<br>Rosina        | Aug 2001     | 19.4    | 7.4              | 310      | 570         | 47      | 23      | 1.5    | 31      | 130       | 14       | 110     | 1.4        | lower          |
|                               | May 2002     |         |                  | 650      |             |         |         |        |         |           |          | 280     |            |                |
|                               | Feb 2003     |         | 7.1              | 250      | 480         | 41      | 18      | 2.6    | 25      | 87        | 11       | 98      | 1.7        |                |
|                               | Dec 2004     |         |                  | 410      | 720         | 38      | 33      | 1.4    | 29      | 72        | 14       | 150     | 1.6        |                |
| 30S/10E-13L4<br>Pecho         | Feb 2006     |         |                  |          |             | 33      | 29      | 1.6    | 28      |           |          | 120     | 1.6        |                |
|                               | Aug 2001     | 18.8    | 7.2              | 590      | 1200        | 89      | 55      | 1.6    | 51      | 130       | 18       | 290     | 1.7        | lower          |
|                               | May 2002     |         |                  | 420      |             |         |         |        |         |           |          | 170     |            |                |
| 30S/11E-18K3<br>Los Olivos #3 | Jan 2003     |         | 7.4              | 640      | 1300        | 96      | 66      | 3.7    | 46      | 110       | 21       | 340     | 1.9        |                |
|                               | Dec 2004     |         |                  | 590      | 1000        | 56      | 47      | 1.9    | 48      | 82        | 27       | 230     | 2.2        |                |
|                               | Jan 2006     |         |                  |          |             | 70      | 65      | 2.2    | 61      |           |          | 330     | 2.2        |                |
|                               | Jan 2000     |         | 7.1              | 146      | 275         | 12.5    | 10.6    | 1      | 25.9    | 76.1      | 6.8      | 30.3    | 5.0        | upper          |
| 30S/11E-17N<br>South Bay #1   | Jan 2003     | 20.1    | 7.0              | 190      | 340         | 20      | 18      | 2.4    | 20      | 75        | 9.6      | 39      | 10         |                |
|                               | Sep 2003     |         |                  |          |             |         |         |        |         |           |          |         | 7.6        |                |
|                               | Jan 2006     |         |                  |          |             | 12      | 9.9     | 1.1    | 26      |           |          | 32      | 6.6        |                |
| 30S/11E-17N<br>South Bay #1   | Feb 2001     | 16.7    | 7.1              | 290      | 510         | 41      | 25      | 1.3    | 35      | 250       | 21       | 37      | 0.79       | mixed          |
|                               | Jan 2003     |         | 7.7              | 340      | 640         | 50      | 25      | 2.0    | 44      | 300       | 29       | 42      | <0.4       |                |
|                               | Jan 2006     |         |                  |          |             | 36      | 36      | 2.1    | 45      |           |          | 42      | 0.38       |                |

\* Well 13F1 is inactive



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George Milanes  
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Log Number: 06-C13809  
Order: N6314  
Project: Nitrate monitoring program  
Received: 10/18/06  
Printed: 10/27/06

## REPORT OF ANALYTICAL RESULTS

| Sample Description                        | Sampled By   | Sampled  |                 | Matrix   |            |               |               |       |
|---|--------------|----------|-----------------|----------|------------|---------------|---------------|-------|
|   |              | Date     | Time            |          |            |               |               |       |
| 30S/10E-13G                               | Asuncion     | 10/18/06 | 09:30           | Aqueous  |            |               |               |       |
| Analyte                                   | Result       | DLR      | Dilution Factor | Units    | Method     | Date Analyzed | Date Prepared | Batch |
| Carbonate Alkalinity as CaCO <sub>3</sub> | Not Detected | 1        | 1               | mg/L     | SM 2320B   | 10/26/06      |               | 920   |
| Carbonate Alkalinity as CaCO <sub>3</sub> | 64           | 1        | 1               | mg/L     | SM 2320B   | 10/26/06      |               | 920   |
| Hydroxide Alkalinity as CaCO <sub>3</sub> | Not Detected | 1        | 1               | mg/L     | SM 2320B   | 10/26/06      |               | 920   |
| Total Alkalinity as CaCO <sub>3</sub>     | 64           | 2        | 1               | mg/L     | SM 2320B   | 10/26/06      |               | 920   |
| Chloride                                  | 63           | 1        | 1               | mg/L     | EPA 300.0  | 10/19/06      |               | 900   |
| Electrical Conductance                    | 420          | 1        | 1               | umhos/cm | SM 2510    | 10/20/06      |               | 909   |
| Organic Nitrogen Value                    | Not Detected | 0.5      | NA              | mg/L     | Calculated |               |               |       |
| Total Nitrogen Value                      | 10           | 0.5      | NA              | mg/L     | Calculated |               |               |       |
| Ammonia, Total, as N                      | Not Detected | 0.3      | 1               | mg/L     | EPA 350.2  | 10/19/06      | 10/19/06      | 900   |
| Nitrate as N                              | 10           | 0.1      | 1               | mg/L     | EPA 300.0  | 10/19/06      |               | 900   |
| Nitrite as N                              | Not Detected | 0.1      | 1               | mg/L     | EPA 300.0  | 10/19/06      |               | 900   |
| Sulfate                                   | 10           | 0.5      | 1               | mg/L     | EPA 300.0  | 10/19/06      |               | 900   |
| Total Dissolved Solids                    | 260          | 10       | 1               | mg/L     | EPA 160.1  | 10/24/06      |               | 921   |
| Total Kjeldahl Nitrogen                   | Not Detected | 0.5      | 1               | mg/L     | EPA 351.3  | 10/24/06      | 10/23/06      | 913   |
| Boron                                     | 0.06         | 0.05     | 1               | mg/L     | EPA 200.7  | 10/25/06      |               | 915   |
| Calcium                                   | 18           | 0.03     | 1               | mg/L     | EPA 200.7  | 10/25/06      |               | 915   |
| Potassium                                 | 0.9          | 0.1      | 1               | mg/L     | EPA 200.7  | 10/25/06      |               | 915   |
| Magnesium                                 | 17           | 0.03     | 1               | mg/L     | EPA 200.7  | 10/25/06      |               | 915   |
| Sodium                                    | 35           | 0.05     | 1               | mg/L     | EPA 200.7  | 10/25/06      |               | 915   |

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

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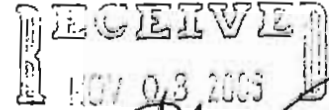
Lab Director, Michael Ng



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Log Number: 06-C13851  
Order: N6342  
Project: Nitrate monitoring program  
Received: 10/19/06  
Printed: 10/30/06

## REPORT OF ANALYTICAL RESULTS

| Sample Description            | Sampled By   | Sampled  |                 | Matrix   |            |               |               |       |
|-------------------------------|--------------|----------|-----------------|----------|------------|---------------|---------------|-------|
|                               |              | Date     | @ Time          |          |            |               |               |       |
| 30S/10E-13H                   | Asuncion     | 10/19/06 | 10:30           | Aqueous  |            |               |               |       |
| Analyte                       | Result       | DLR      | Dilution Factor | Units    | Method     | Date Analyzed | Date Prepared | Batch |
| Carbonate Alkalinity as CaCO3 | Not Detected | 1        | 1               | mg/L     | SM 2320B   | 10/27/06      |               | 925   |
| Carbonate Alkalinity as CaCO3 | 50           | 1        | 1               | mg/L     | SM 2320B   | 10/27/06      |               | 925   |
| Hydroxide Alkalinity as CaCO3 | Not Detected | 1        | 1               | mg/L     | SM 2320B   | 10/27/06      |               | 925   |
| Total Alkalinity as CaCO3     | 50           | 2        | 1               | mg/L     | SM 2320B   | 10/27/06      |               | 925   |
| Chloride                      | 23           | 1        | 1               | mg/L     | EPA 300.0  | 10/20/06      |               | 907   |
| Electrical Conductance        | 230          | 1        | 1               | umhos/cm | SM 2510    | 10/20/06      |               | 909   |
| Organic Nitrogen Value        | 1.0          | 0.5      | NA              | mg/L     | Calculated |               |               |       |
| Total Nitrogen Value          | 3.6          | 0.5      | NA              | mg/L     | Calculated |               |               |       |
| Ammonia, Total, as N          | Not Detected | 0.3      | 1               | mg/L     | EPA 350.2  | 10/26/06      |               | 920   |
| Nitrate as N                  | 2.6          | 0.1      | 1               | mg/L     | EPA 300.0  | 10/20/06      |               | 907   |
| Nitrite as N                  | Not Detected | 0.1      | 1               | mg/L     | EPA 300.0  | 10/20/06      |               | 907   |
| Sulfate                       | 16           | 0.5      | 1               | mg/L     | EPA 300.0  | 10/20/06      |               | 907   |
| Total Dissolved Solids        | 250          | 10       | 1               | mg/L     | EPA 160.1  | 10/24/06      |               | 927   |
| Total Kjeldahl Nitrogen       | 1.0          | 0.5      | 1               | mg/L     | EPA 351.3  | 10/24/06      | 10/23/06      | 913   |
| Boron                         | Not Detected | 0.05     | 1               | mg/L     | EPA 200.7  | 10/26/06      | 10/23/06      | 919   |
| Calcium                       | 20           | 0.03     | 1               | mg/L     | EPA 200.7  | 10/26/06      |               | 919   |
| Potassium                     | 2.1          | 0.1      | 1               | mg/L     | EPA 200.7  | 10/26/06      |               | 919   |
| Magnesium                     | 12           | 0.03     | 1               | mg/L     | EPA 200.7  | 10/26/06      |               | 919   |
| Sodium                        | 16           | 0.05     | 1               | mg/L     | EPA 200.7  | 10/26/06      | 10/23/06      | 919   |

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

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Lab Director, Michael Ng



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Log Number: 06-C13893  
Order: N6367  
Project: Nitrate monitoring program  
Received: 10/20/06  
Printed: 10/31/06

## REPORT OF ANALYTICAL RESULTS

| Sample Description                | Sampled By   | Sampled        |                 | Matrix   |            |               |               |       |
|-----------------------------------|--------------|----------------|-----------------|----------|------------|---------------|---------------|-------|
|                                   |              | Date @ Time    |                 |          |            |               |               |       |
| 30S/10E-13L5                      | Asuncion     | 10/20/06@10:40 |                 | Aqueous  |            |               |               |       |
| Analyte                           | Result       | DLR            | Dilution Factor | Units    | Method     | Date Analyzed | Date Prepared | Batch |
| Carbonate Alkalinity as CaCO3     | Not Detected | 1              | 1               | mg/L     | SM 2320B   | 10/30/06      |               | 929   |
| Non-carbonate Alkalinity as CaCO3 | 85           | 1              | 1               | mg/L     | SM 2320B   | 10/30/06      |               | 929   |
| Hydroxide Alkalinity as CaCO3     | Not Detected | 1              | 1               | mg/L     | SM 2320B   | 10/30/06      |               | 929   |
| Total Alkalinity as CaCO3         | 85           | 2              | 1               | mg/L     | SM 2320B   | 10/30/06      |               | 929   |
| Chloride                          | 680          | 10             | 10              | mg/L     | EPA 300.0  | 10/23/06      |               | 911   |
| Electrical Conductance            | 2,400        | 1              | 1               | umhos/cm | SM 2510    | 10/31/06      |               | 930   |
| Organic Nitrogen Value            | Not Detected | 0.5            | NA              | mg/L     | Calculated |               |               |       |
| Total Nitrogen Value              | 11           | 0.5            | NA              | mg/L     | Calculated |               |               |       |
| Ammonia, Total, as N              | 0.7          | 0.3            | 1               | mg/L     | EPA 350.2  | 10/26/06      |               | 920   |
| Nitrate as N                      | 11           | 0.1            | 1               | mg/L     | EPA 300.0  | 10/20/06      |               | 907   |
| Nitrite as N                      | Not Detected | 0.1            | 1               | mg/L     | EPA 300.0  | 10/20/06      |               | 907   |
| Sulfate                           | 59           | 0.5            | 1               | mg/L     | EPA 300.0  | 10/20/06      |               | 907   |
| Total Dissolved Solids            | 1,400        | 10             | 1               | mg/L     | EPA 160.1  | 10/25/06      |               | 930   |
| Total Kjeldahl Nitrogen           | Not Detected | 0.5            | 1               | mg/L     | EPA 351.3  | 10/24/06      | 10/23/06      | 913   |
| Boron                             | 0.20         | 0.05           | 1               | mg/L     | EPA 200.7  | 10/26/06      | 10/23/06      | 915   |
| Calcium                           | 100          | 0.03           | 1               | mg/L     | EPA 200.7  | 10/26/06      |               | 915   |
| Potassium                         | 1.3          | 0.1            | 1               | mg/L     | EPA 200.7  | 10/26/06      |               | 915   |
| Magnesium                         | 110          | 0.03           | 1               | mg/L     | EPA 200.7  | 10/26/06      |               | 915   |
| Sodium                            | 170          | 0.05           | 1               | mg/L     | EPA 200.7  | 10/26/06      | 10/23/06      | 915   |

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Lab Director, Michael Ng



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Log Number: 06-C14200  
Order: N6518  
Project: Nitrate monitoring program  
Received: 10/27/06  
Printed: 11/08/06

## REPORT OF ANALYTICAL RESULTS

| Sample Description            | Sampled By   | Sampled  |                 | Matrix   |            |               |               |       |
|-------------------------------|--------------|----------|-----------------|----------|------------|---------------|---------------|-------|
|                               |              | Date     | Time            |          |            |               |               |       |
| 30S/10E-13Q1                  | Asuncion     | 10/27/06 | 10:10           | Aqueous  |            |               |               |       |
| Analyte                       | Result       | DLR      | Dilution Factor | Units    | Method     | Date Analyzed | Date Prepared | Batch |
| Carbonate Alkalinity as CaCO3 | Not Detected | 1        | 1               | mg/L     | SM 2320B   | 11/07/06      |               | 951   |
| Carbonate Alkalinity as CaCO3 | 65           | 1        | 1               | mg/L     | SM 2320B   | 11/07/06      |               | 951   |
| Hydroxide Alkalinity as CaCO3 | Not Detected | 1        | 1               | mg/L     | SM 2320B   | 11/07/06      |               | 951   |
| Total Alkalinity as CaCO3     | 65           | 2        | 1               | mg/L     | SM 2320B   | 11/07/06      |               | 951   |
| Chloride                      | 140          | 10       | 10              | mg/L     | EPA 300.0  | 10/30/06      |               | 925   |
| Electrical Conductance        | 820          | 1        | 1               | umhos/cm | SM 2510    | 10/31/06      |               | 930   |
| Organic Nitrogen Value        | Not Detected | 0.5      | NA              | mg/L     | Calculated |               |               |       |
| Total Nitrogen Value          | 18           | 0.5      | NA              | mg/L     | Calculated |               |               |       |
| Ammonia, Total, as N          | Not Detected | 0.3      | 1               | mg/L     | EPA 350.2  | 11/06/06      | 11/06/06      | 940   |
| Nitrate as N                  | 18           | 0.1      | 1               | mg/L     | EPA 300.0  | 10/27/06      |               | 920   |
| Nitrite as N                  | Not Detected | 0.1      | 1               | mg/L     | EPA 300.0  | 10/27/06      |               | 920   |
| Sulfate                       | 26           | 0.5      | 1               | mg/L     | EPA 300.0  | 10/27/06      |               | 920   |
| Total Dissolved Solids        | 450          | 10       | 1               | mg/L     | EPA 160.1  | 11/03/06      |               | 940   |
| Total Kjeldahl Nitrogen       | Not Detected | 0.5      | 1               | mg/L     | EPA 351.3  | 11/07/06      | 11/06/06      | 950   |
| Boron                         | 0.10         | 0.05     | 1               | mg/L     | EPA 200.7  | 11/03/06      |               | 940   |
| Calcium                       | 33           | 0.03     | 1               | mg/L     | EPA 200.7  | 11/03/06      |               | 940   |
| Potassium                     | 1.5          | 0.1      | 1               | mg/L     | EPA 200.7  | 11/03/06      |               | 940   |
| Magnesium                     | 24           | 0.03     | 1               | mg/L     | EPA 200.7  | 11/03/06      |               | 940   |
| Sodium                        | 74           | 0.05     | 1               | mg/L     | EPA 200.7  | 11/03/06      |               | 940   |

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

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Lab Director, Michael Ng



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Log Number: 06-C14328  
Order: N6582  
Project: Nitrate monitoring program  
Received: 10/31/06  
Printed: 11/09/06

## REPORT OF ANALYTICAL RESULTS

| Sample Description              | Sampled By   | Sampled        |                 | Matrix   |            |               |               |      |  |
|---------------------------------|--------------|----------------|-----------------|----------|------------|---------------|---------------|------|--|
|                                 |              | Date @ Time    |                 |          |            |               |               |      |  |
| 30S/10E-24A                     | Asuncion     | 10/31/D6@09:30 |                 | Aqueous  |            |               |               |      |  |
| Analyte                         | Result       | DLR            | Dilution Factor | Units    | Method     | Date Analyzed | Date Prepared | Batc |  |
| Carbonate Alkalinity as CaCO3   | Not Detected | 1              | 1               | mg/L     | SM 2320B   | 11/08/06      |               | 954  |  |
| Bicarbonate Alkalinity as CaCO3 | 42           | 1              | 1               | mg/L     | SM 2320B   | 11/08/06      |               | 954  |  |
| Hydroxide Alkalinity as CaCO3   | Not Detected | 1              | 1               | mg/L     | SM 2320B   | 11/08/06      |               | 954  |  |
| Total Alkalinity as CaCO3       | 42           | 2              | 1               | mg/L     | SM 2320B   | 11/08/06      |               | 954  |  |
| Chloride                        | 51           | 1              | 1               | mg/L     | EPA 300.0  | 11/01/06      |               | 937  |  |
| Electrical Conductance          | 350          | 1              | 1               | umhos/cm | SM 2510    | 11/02/06      |               | 941  |  |
| Organic Nitrogen Value          | Not Detected | 0.5            | NA              | mg/L     | Calculated |               |               |      |  |
| Total Nitrogen Value            | 11           | 0.5            | NA              | mg/L     | Calculated |               |               |      |  |
| Ammonia, Total, as N            | Not Detected | 0.3            | 1               | mg/L     | EPA 350.2  | 11/06/06      | 11/06/06      | 946  |  |
| Nitrate as N                    | 11           | 0.1            | 1               | mg/L     | EPA 300.0  | 11/01/06      |               | 937  |  |
| Nitrite as N                    | Not Detected | 0.1            | 1               | mg/L     | EPA 300.0  | 11/01/06      |               | 937  |  |
| Sulfate                         | 5.2          | 0.5            | 1               | mg/L     | EPA 300.0  | 11/01/06      |               | 937  |  |
| Total Dissolved Solids          | 220          | 10             | 1               | mg/L     | EPA 160.1  | 11/06/06      |               | 948  |  |
| Total Kjeldahl Nitrogen         | Not Detected | 0.5            | 1               | mg/L     | EPA 351.3  | 11/08/06      | 11/07/06      | 954  |  |
| Boron                           | 0.11         | 0.05           | 1               | mg/L     | EPA 200.7  | 11/07/06      |               | 953  |  |
| Calcium                         | 13           | 0.03           | 1               | mg/L     | EPA 200.7  | 11/07/06      |               | 953  |  |
| Potassium                       | 1.1          | 0.1            | 1               | mg/L     | EPA 200.7  | 11/07/06      |               | 953  |  |
| Magnesium                       | 10           | 0.03           | 1               | mg/L     | EPA 200.7  | 11/07/06      |               | 953  |  |
| Sodium                          | 37           | 0.05           | 1               | mg/L     | EPA 200.7  | 11/07/06      |               | 953  |  |

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

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Lab Director, Michael Ng





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Log Number: 06-C14129  
Order: N6487  
Project: Nitrate monitoring program  
Received: 10/26/06  
Printed: 11/06/06

## REPORT OF ANALYTICAL RESULTS

| Sample Description            | Sampled By   | Sampled        |                 | Matrix   |            |               |               |       |  |
|-------------------------------|--------------|----------------|-----------------|----------|------------|---------------|---------------|-------|--|
|                               |              | Date @ Time    |                 |          |            |               |               |       |  |
| 30S/11E-7K                    | Asuncion     | 10/26/06@10:20 |                 | Aqueous  |            |               |               |       |  |
| Analyte                       | Result       | DLR            | Dilution Factor | Units    | Method     | Date Analyzed | Date Prepared | Batch |  |
| bonate Alkalinity as CaCO3    | Not Detected | 1              | 1               | mg/L     | SM 2320B   | 11/06/06      |               | 945   |  |
| carbonate Alkalinity as CaCO3 | 140          | 1              | 1               | mg/L     | SM 2320B   | 11/06/06      |               | 945   |  |
| Hydroxide Alkalinity as CaCO3 | Not Detected | 1              | 1               | mg/L     | SM 2320B   | 11/06/06      |               | 945   |  |
| Total Alkalinity as CaCO3     | 140          | 2              | 1               | mg/L     | SM 2320B   | 11/06/06      |               | 945   |  |
| Chloride                      | 77           | 1              | 1               | mg/L     | EPA 300.0  | 10/27/06      |               | 926   |  |
| Electrical Conductance        | 650          | 1              | 1               | umhos/cm | SM 2510    | 10/26/06      |               | 921   |  |
| Organic Nitrogen Value        | Not Detected | 0.5            | NA              | mg/L     | Calculated |               |               |       |  |
| Total Nitrogen Value          | 11           | 0.5            | NA              | mg/L     | Calculated |               |               |       |  |
| Ammonia, Total, as N          | Not Detected | 0.3            | 1               | mg/L     | EPA 350.2  | 11/06/06      | 11/06/06      | 945   |  |
| Nitrate as N                  | 11           | 0.1            | 1               | mg/L     | EPA 300.0  | 10/27/06      |               | 926   |  |
| Nitrite as N                  | Not Detected | 0.1            | 1               | mg/L     | EPA 300.0  | 10/27/06      |               | 926   |  |
| Sulfate                       | 47           | 0.5            | 1               | mg/L     | EPA 300.0  | 10/27/06      |               | 926   |  |
| Total Dissolved Solids        | 350          | 10             | 1               | mg/L     | EPA 160.1  | 11/02/06      |               | 944   |  |
| Total Kjeldahl Nitrogen       | Not Detected | 0.5            | 1               | mg/L     | EPA 351.3  | 11/03/06      | 11/02/06      | 943   |  |
| Boron                         | 0.11         | 0.05           | 1               | mg/L     | EPA 200.7  | 11/03/06      |               | 943   |  |
| Calcium                       | 26           | 0.03           | 1               | mg/L     | EPA 200.7  | 11/03/06      |               | 943   |  |
| Potassium                     | 1.3          | 0.1            | 1               | mg/L     | EPA 200.7  | 11/03/06      |               | 943   |  |
| Magnesium                     | 25           | 0.03           | 1               | mg/L     | EPA 200.7  | 11/03/06      |               | 943   |  |
| Sodium                        | 46           | 0.05           | 1               | mg/L     | EPA 200.7  | 11/03/06      |               | 943   |  |

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

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Lab Director, Michael Ng



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Log Number: 06-C13983  
Order: N6417  
Project: Nitrate monitoring program  
Received: 10/24/06  
Printed: 11/02/06

## REPORT OF ANALYTICAL RESULTS

| Sample Description            | Sampled By   | Sampled  |                 | Matrix   |            |               |               |       |
|-------------------------------|--------------|----------|-----------------|----------|------------|---------------|---------------|-------|
|                               |              | Date     | @ Time          |          |            |               |               |       |
| 30S/11E-7L3                   | Asuncion     | 10/24/06 | 09:00           | Aqueous  |            |               |               |       |
| Analyte                       | Result       | DLR      | Dilution Factor | Units    | Method     | Date Analyzed | Date Prepared | Batch |
| Carbonate Alkalinity as CaCO3 | Not Detected | 1        | 1               | mg/L     | SM 2320B   | 10/31/06      |               | 9347  |
| Carbonate Alkalinity as CaCO3 | 140          | 1        | 1               | mg/L     | SM 2320B   | 10/31/06      |               | 9347  |
| Hydroxide Alkalinity as CaCO3 | Not Detected | 1        | 1               | mg/L     | SM 2320B   | 10/31/06      |               | 9347  |
| Total Alkalinity as CaCO3     | 140          | 2        | 1               | mg/L     | SM 2320B   | 10/31/06      |               | 9347  |
| Chloride                      | 120          | 10       | 10              | mg/L     | EPA 300.0  | 10/25/06      |               | 9187  |
| Electrical Conductance        | 930          | 1        | 1               | umhos/cm | SM 2510    | 10/26/06      |               | 9217  |
| Organic Nitrogen Value        | Not Detected | 0.5      | NA              | mg/L     | Calculated |               |               |       |
| Total Nitrogen Value          | 23           | 0.5      | NA              | mg/L     | Calculated |               |               |       |
| Ammonia, Total, as N          | Not Detected | 0.3      | 1               | mg/L     | EPA 350.2  | 10/30/06      | 10/30/06      | 9297  |
| Nitrate as N                  | 23           | 0.1      | 1               | mg/L     | EPA 300.0  | 10/25/06      |               | 9187  |
| Nitrite as N                  | Not Detected | 0.1      | 1               | mg/L     | EPA 300.0  | 10/25/06      |               | 9187  |
| Sulfate                       | 67           | 0.5      | 1               | mg/L     | EPA 300.0  | 10/25/06      |               | 9187  |
| Total Dissolved Solids        | 550          | 10       | 1               | mg/L     | EPA 160.1  | 10/27/06      |               | 9347  |
| Total Kjeldahl Nitrogen       | Not Detected | 0.5      | 1               | mg/L     | EPA 351.3  | 10/27/06      | 10/27/06      | 9277  |
| Boron                         | 0.24         | 0.05     | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 9387  |
| Calcium                       | 35           | 0.03     | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 9387  |
| Potassium                     | 2.3          | 0.1      | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 9387  |
| Magnesium                     | 30           | 0.03     | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 9387  |
| Sodium                        | 110          | 0.05     | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 9387  |

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

CREEK ENVIRONMENTAL LABORATORIES

Lab Director, Michael Ng



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OCT 18 2006

BY: *[Signature]*

George Milanes  
Los Osos CSD  
PO Box 6064  
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Log Number: 06-C13808  
Order: N6314  
Project: Nitrate monitoring program  
Received: 10/18/06  
Printed: 10/27/06

## REPORT OF ANALYTICAL RESULTS

| Sample Description | Sampled By | Sampled Date @ Time | Matrix  |
|--------------------|------------|---------------------|---------|
| 30S-11E-7N1        | Asuncion   | 10/18/06@08:25      | Aqueous |

| Analyte                       | Result       | DLR  | Dilution Factor | Units    | Method     | Date Analyzed | Date Prepared | Batch |
|-------------------------------|--------------|------|-----------------|----------|------------|---------------|---------------|-------|
| Carbonate Alkalinity as CaCO3 | Not Detected | 1    | 1               | mg/L     | SM 2320B   | 10/26/06      |               | 920   |
| Carbonate Alkalinity as CaCO3 | 60           | 1    | 1               | mg/L     | SM 2320B   | 10/26/06      |               | 920   |
| Hydroxide Alkalinity as CaCO3 | Not Detected | 1    | 1               | mg/L     | SM 2320B   | 10/26/06      |               | 920   |
| Total Alkalinity as CaCO3     | 60           | 2    | 1               | mg/L     | SM 2320B   | 10/26/06      |               | 920   |
| Chloride                      | 31           | 1    | 1               | mg/L     | EPA 300.0  | 10/19/06      |               | 900   |
| Electrical Conductance        | 250          | 1    | 1               | umhos/cm | SM 2510    | 10/20/06      |               | 909   |
| Organic Nitrogen Value        | Not Detected | 0.5  | NA              | mg/L     | Calculated |               |               |       |
| Total Nitrogen Value          | 2.9          | 0.5  | NA              | mg/L     | Calculated |               |               |       |
| Ammonia, Total, as N          | Not Detected | 0.3  | 1               | mg/L     | EPA 350.2  | 10/19/06      | 10/19/06      | 900   |
| Nitrate as N                  | 2.9          | 0.1  | 1               | mg/L     | EPA 300.0  | 10/19/06      |               | 900   |
| Nitrite as N                  | Not Detected | 0.1  | 1               | mg/L     | EPA 300.0  | 10/19/06      |               | 900   |
| Sulfate                       | 6.2          | 0.5  | 1               | mg/L     | EPA 300.0  | 10/19/06      |               | 900   |
| Total Dissolved Solids        | 150          | 10   | 1               | mg/L     | EPA 160.1  | 10/24/06      |               | 921   |
| Total Kjeldahl Nitrogen       | Not Detected | 0.5  | 1               | mg/L     | EPA 351.3  | 10/23/06      | 10/23/06      | 909   |
| Boron                         | Not Detected | 0.05 | 1               | mg/L     | EPA 200.7  | 10/25/06      |               | 915   |
| Calcium                       | 13           | 0.03 | 1               | mg/L     | EPA 200.7  | 10/25/06      |               | 915   |
| Potassium                     | 0.9          | 0.1  | 1               | mg/L     | EPA 200.7  | 10/25/06      |               | 915   |
| Magnesium                     | 9.7          | 0.03 | 1               | mg/L     | EPA 200.7  | 10/25/06      |               | 915   |
| Sodium                        | 21           | 0.05 | 1               | mg/L     | EPA 200.7  | 10/25/06      |               | 915   |

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

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Log Number: 06-C13810  
Order: N6314  
Project: Nitrate monitoring program  
Received: 10/18/06  
Printed: 10/27/06

## REPORT OF ANALYTICAL RESULTS

| Sample Description            | Sampled By   | Sampled  |                 | Matrix   |            |               |               |       |
|-------------------------------|--------------|----------|-----------------|----------|------------|---------------|---------------|-------|
|                               |              | Date     | Time            |          |            |               |               |       |
| 30S/11E-701                   | Asuncion     | 10/18/06 | 11:31           | Aqueous  |            |               |               |       |
| Analyte                       | Result       | DLR      | Dilution Factor | Units    | Method     | Date Analyzed | Date Prepared | Batch |
| Carbonate Alkalinity as CaCO3 | Not Detected | 1        | 1               | mg/L     | SM 2320B   | 10/26/06      |               | 92C   |
| Carbonate Alkalinity as CaCO3 | 85           | 1        | 1               | mg/L     | SM 2320B   | 10/26/06      |               | 92C   |
| Hydroxide Alkalinity as CaCO3 | Not Detected | 1        | 1               | mg/L     | SM 2320B   | 10/26/06      |               | 92C   |
| Total Alkalinity as CaCO3     | 85           | 2        | 1               | mg/L     | SM 2320B   | 10/26/06      |               | 92C   |
| Chloride                      | 100          | 10       | 10              | mg/L     | EPA 300.0  | 10/19/06      |               | 90C   |
| Electrical Conductance        | 740          | 1        | 1               | umhos/cm | SM 2510    | 10/20/06      |               | 90S   |
| Organic Nitrogen Value        | Not Detected | 0.5      | NA              | mg/L     | Calculated |               |               |       |
| Total Nitrogen Value          | 21           | 0.5      | NA              | mg/L     | Calculated |               |               |       |
| Ammonia, Total, as N          | 1.5          | 0.3      | 1               | mg/L     | EPA 350.2  | 10/19/06      | 10/19/06      | 90C   |
| Nitrate as N                  | 21           | 0.1      | 1               | mg/L     | EPA 300.0  | 10/19/06      |               | 90C   |
| Nitrite as N                  | Not Detected | 0.1      | 1               | mg/L     | EPA 300.0  | 10/19/06      |               | 90C   |
| Sulfate                       | 44           | 0.5      | 1               | mg/L     | EPA 300.0  | 10/19/06      |               | 90C   |
| Total Dissolved Solids        | 430          | 10       | 1               | mg/L     | EPA 160.1  | 10/24/06      |               | 92'   |
| Total Kjeldahl Nitrogen       | Not Detected | 0.5      | 1               | mg/L     | EPA 351.3  | 10/24/06      | 10/23/06      | 91C   |
| Boron                         | 0.18         | 0.05     | 1               | mg/L     | EPA 200.7  | 10/26/06      | 10/23/06      | 91S   |
| Calcium                       | 32           | 0.03     | 1               | mg/L     | EPA 200.7  | 10/26/06      |               | 91S   |
| Potassium                     | 4.5          | 0.1      | 1               | mg/L     | EPA 200.7  | 10/26/06      |               | 91S   |
| Magnesium                     | 25           | 0.03     | 1               | mg/L     | EPA 200.7  | 10/26/06      |               | 91S   |
| Sodium                        | 65           | 0.05     | 1               | mg/L     | EPA 200.7  | 10/26/06      |               | 91S   |

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

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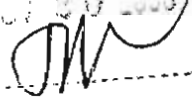
Lab Director, Michael Ng



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BY: 

Page 1

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Log Number: 06-C14080  
Order: N6465  
Project: Nitrate monitoring program  
Received: 10/25/06  
Printed: 11/14/06

## REPORT OF ANALYTICAL RESULTS

| Sample Description                | Sampled By   | Sampled  |                 | Matrix   |            |               |               |       |
|-----------------------------------|--------------|----------|-----------------|----------|------------|---------------|---------------|-------|
|                                   |              | Date     | Time            |          |            |               |               |       |
| 30S/11E-8Ma                       | Asuncion     | 10/25/06 | 11:00           | Aqueous  |            |               |               |       |
| Analyte                           | Result       | DLR      | Dilution Factor | Units    | Method     | Date Analyzed | Date Prepared | Batch |
| Carbonate Alkalinity as CaCO3     | Not Detected | 1        | 1               | mg/L     | SM 2320B   | 11/02/06      |               | 9416  |
| Non-carbonate Alkalinity as CaCO3 | 100          | 1        | 1               | mg/L     | SM 2320B   | 11/02/06      |               | 9416  |
| Hydroxide Alkalinity as CaCO3     | Not Detected | 1        | 1               | mg/L     | SM 2320B   | 11/02/06      |               | 9416  |
| Total Alkalinity as CaCO3         | 100          | 2        | 1               | mg/L     | SM 2320B   | 11/02/06      |               | 9416  |
| Chloride                          | 180          | 10       | 10              | mg/L     | EPA 300.0  | 10/26/06      |               | 9209  |
| Electrical Conductance            | 830          | 1        | 1               | umhos/cm | SM 2510    | 10/25/06      |               | 9211  |
| Organic Nitrogen Value            | 2.1          | 0.5      | NA              | mg/L     | Calculated |               |               |       |
| Total Nitrogen Value              | 6.3          | 0.5      | NA              | mg/L     | Calculated |               |               |       |
| Ammonia, Total, as N              | Not Detected | 0.3      | 1               | mg/L     | EPA 350.2  | 10/30/06      | 10/30/06      | 9291  |
| Nitrate as N                      | 4.2          | 0.1      | 1               | mg/L     | EPA 300.0  | 10/26/06      |               | 9209  |
| Nitrite as N                      | Not Detected | 0.1      | 1               | mg/L     | EPA 300.0  | 10/26/06      |               | 9209  |
| Sulfate                           | 20           | 0.5      | 1               | mg/L     | EPA 300.0  | 10/26/06      |               | 9209  |
| Total Dissolved Solids            | 440          | 10       | 1               | mg/L     | EPA 160.1  | 10/30/06      |               | 9350  |
| Total Kjeldahl Nitrogen           | 2.1          | 0.5      | 1               | mg/L     | EPA 351.3  | 11/01/06      | 11/01/06      | 9378  |
| Boron                             | 0.86         | 0.05     | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 9383  |
| Calcium                           | 130          | 0.03     | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 9384  |
| Potassium                         | 17           | 0.1      | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 9384  |
| Magnesium                         | 140          | 0.03     | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 9384  |
| Sodium                            | 44           | 0.05     | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 9383  |

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

CREEK ENVIRONMENTAL LABORATORIES

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Log Number: 06-C14081  
Order: N6465  
Project: Nitrate monitoring program  
Received: 10/25/06  
Printed: 11/14/06

## REPORT OF ANALYTICAL RESULTS

| Sample Description              | Sampled By   | Sampled Date @ Time | Matrix          |          |            |               |               |       |
|---------------------------------|--------------|---------------------|-----------------|----------|------------|---------------|---------------|-------|
| 30S/11E-BMb                     | Asuncion     | 10/25/06@10:45      | Aqueous         |          |            |               |               |       |
| Analyte                         | Result       | DLR                 | Dilution Factor | Units    | Method     | Date Analyzed | Date Prepared | Batch |
| Carbonate Alkalinity as CaCO3   | Not Detected | 1                   | 1               | mg/L     | SM 2320B   | 11/02/06      |               | 941   |
| Bicarbonate Alkalinity as CaCO3 | 150          | 1                   | 1               | mg/L     | SM 2320B   | 11/02/06      |               | 941   |
| Hydroxide Alkalinity as CaCO3   | Not Detected | 1                   | 1               | mg/L     | SM 2320B   | 11/02/06      |               | 941   |
| Total Alkalinity as CaCO3       | 150          | 2                   | 1               | mg/L     | SM 2320B   | 11/02/06      |               | 941   |
| Chloride                        | 83           | 1                   | 1               | mg/L     | EPA 300.0  | 10/26/06      |               | 920   |
| Electrical Conductance          | 720          | 1                   | 1               | umhos/cm | SM 2510    | 10/25/06      |               | 921   |
| Organic Nitrogen Value          | 1.0          | 0.5                 | NA              | mg/L     | Calculated |               |               |       |
| Total Nitrogen Value            | 19           | 0.5                 | NA              | mg/L     | Calculated |               |               |       |
| Ammonia, Total, as N            | Not Detected | 0.3                 | 1               | mg/L     | EPA 350.2  | 10/30/06      | 10/30/06      | 929   |
| Nitrate as N                    | 18           | 0.1                 | 1               | mg/L     | EPA 300.0  | 10/26/06      |               | 920   |
| Nitrite as N                    | Not Detected | 0.1                 | 1               | mg/L     | EPA 300.0  | 10/26/06      |               | 920   |
| Sulfate                         | 36           | 0.5                 | 1               | mg/L     | EPA 300.0  | 10/26/06      |               | 920   |
| Total Dissolved Solids          | 450          | 10                  | 1               | mg/L     | EPA 160.1  | 10/30/06      |               | 935   |
| Total Kjeldahl Nitrogen         | 1.0          | 0.5                 | 1               | mg/L     | EPA 351.3  | 11/01/06      | 11/01/06      | 937   |
| Boron                           | 0.79         | 0.05                | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 938   |
| Calcium                         | 87           | 0.03                | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 938   |
| Potassium                       | 14           | 0.1                 | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 938   |
| Magnesium                       | 110          | 0.03                | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 938   |
| Sodium                          | 59           | 0.05                | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 938   |

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

CREEK ENVIRONMENTAL LABORATORIES

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Log Number: 06-C14198  
Order: N6518  
Project: Nitrate monitoring program  
Received: 10/27/06  
Printed: 11/08/06

## REPORT OF ANALYTICAL RESULTS

| Sample Description            | Sampled By   | Sampled Date @ Time | Matrix          |          |            |               |               |       |
|-------------------------------|--------------|---------------------|-----------------|----------|------------|---------------|---------------|-------|
| 30S/11E-BN2                   | Asuncion     | 10/27/06@11:00      | Aqueous         |          |            |               |               |       |
| Analyte                       | Result       | DLR                 | Dilution Factor | Units    | Method     | Date Analyzed | Date Prepared | Batch |
| Carbonate Alkalinity as CaCO3 | Not Detected | 1                   | 1               | mg/L     | SM 2320B   | 11/07/06      |               | 951   |
| Carbonate Alkalinity as CaCO3 | 25           | 1                   | 1               | mg/L     | SM 2320B   | 11/07/06      |               | 951   |
| Hydroxide Alkalinity as CaCO3 | Not Detected | 1                   | 1               | mg/L     | SM 2320B   | 11/07/06      |               | 951   |
| Total Alkalinity as CaCO3     | 25           | 2                   | 1               | mg/L     | SM 2320B   | 11/07/06      |               | 951   |
| Chloride                      | 8.3          | 1                   | 1               | mg/L     | EPA 300.0  | 10/27/06      |               | 926   |
| Electrical Conductance        | 100          | 1                   | 1               | umhos/cm | SM 2510    | 10/31/06      |               | 930   |
| Organic Nitrogen Value        | Not Detected | 0.5                 | NA              | mg/L     | Calculated |               |               |       |
| Total Nitrogen Value          | 1.2          | 0.5                 | NA              | mg/L     | Calculated |               |               |       |
| Ammonia, Total, as N          | Not Detected | 0.3                 | 1               | mg/L     | EPA 350.2  | 11/06/06      | 11/06/06      | 946   |
| Nitrate as N                  | 1.2          | 0.1                 | 1               | mg/L     | EPA 300.0  | 10/27/06      |               | 926   |
| Nitrite as N                  | Not Detected | 0.1                 | 1               | mg/L     | EPA 300.0  | 10/27/06      |               | 926   |
| Sulfate                       | 4.7          | 0.5                 | 1               | mg/L     | EPA 300.0  | 10/27/06      |               | 926   |
| Total Dissolved Solids        | 57           | 10                  | 1               | mg/L     | EPA 160.1  | 11/03/06      |               | 947   |
| Total Kjeldahl Nitrogen       | Not Detected | 0.5                 | 1               | mg/L     | EPA 351.3  | 11/07/06      | 11/06/06      | 951   |
| Boron                         | Not Detected | 0.05                | 1               | mg/L     | EPA 200.7  | 11/03/06      |               | 943   |
| Calcium                       | 4.6          | 0.03                | 1               | mg/L     | EPA 200.7  | 11/03/06      |               | 943   |
| Potassium                     | 0.82         | 0.1                 | 1               | mg/L     | EPA 200.7  | 11/03/06      |               | 943   |
| Magnesium                     | 4.3          | 0.03                | 1               | mg/L     | EPA 200.7  | 11/03/06      |               | 943   |
| Sodium                        | 8.2          | 0.05                | 1               | mg/L     | EPA 200.7  | 11/03/06      |               | 943   |

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

CREEK ENVIRONMENTAL LABORATORIES

Lab Director, Michael Ng



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Log Number: 06-C13986  
Order: N6417  
Project: Nitrate monitoring program  
Received: 10/24/06  
Printed: 11/02/06

Page 4

## REPORT OF ANALYTICAL RESULTS

| Sample Description                        | Sampled By   | Sampled        |                 | Matrix   |            |               |               |       |  |
|---|--------------|----------------|-----------------|----------|------------|---------------|---------------|-------|--|
|   |              | Date @ Time    |                 |          |            |               |               |       |  |
| 30S/11E-17D                               | Asuncion     | 10/24/06@13:05 |                 | Aqueous  |            |               |               |       |  |
| Analyte                                   | Result       | DLR            | Dilution Factor | Units    | Method     | Date Analyzed | Date Prepared | Batch |  |
| Carbonate Alkalinity as CaCO <sub>3</sub> | Not Detected | 1              | 1               | mg/L     | SM 2320B   | 10/31/06      |               | 934   |  |
| Carbonate Alkalinity as CaCO <sub>3</sub> | 72           | 1              | 1               | mg/L     | SM 2320B   | 10/31/06      |               | 934   |  |
| Hydroxide Alkalinity as CaCO <sub>3</sub> | Not Detected | 1              | 1               | mg/L     | SM 2320B   | 10/31/06      |               | 934   |  |
| Total Alkalinity as CaCO <sub>3</sub>     | 72           | 2              | 1               | mg/L     | SM 2320B   | 10/31/06      |               | 934   |  |
| Chloride                                  | 60           | 1              | 1               | mg/L     | EPA 300.0  | 10/25/06      |               | 91E   |  |
| Electrical Conductance                    | 520          | 1              | 1               | umhos/cm | SM 2510    | 10/26/06      |               | 921   |  |
| Organic Nitrogen Value                    | Not Detected | 0.5            | NA              | mg/L     | Calculated |               |               |       |  |
| Total Nitrogen Value                      | 17           | 0.5            | NA              | mg/L     | Calculated |               |               |       |  |
| Ammonia, Total, as N                      | Not Detected | 0.3            | 1               | mg/L     | EPA 350.2  | 10/30/06      | 10/30/06      | 92E   |  |
| Nitrate as N                              | 17           | 0.1            | 1               | mg/L     | EPA 300.0  | 10/25/06      |               | 91E   |  |
| Nitrite as N                              | Not Detected | 0.1            | 1               | mg/L     | EPA 300.0  | 10/25/06      |               | 91E   |  |
| Sulfate                                   | 24           | 0.5            | 1               | mg/L     | EPA 300.0  | 10/25/06      |               | 91E   |  |
| Total Dissolved Solids                    | 280          | 10             | 1               | mg/L     | EPA 160.1  | 10/27/06      |               | 934   |  |
| Total Kjeldahl Nitrogen                   | Not Detected | 0.5            | 1               | mg/L     | EPA 351.3  | 10/27/06      | 10/27/06      | 92E   |  |
| Boron                                     | 0.14         | 0.05           | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 93E   |  |
| Calcium                                   | 19           | 0.03           | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 93E   |  |
| Potassium                                 | 1.4          | 0.1            | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 93E   |  |
| Magnesium                                 | 16           | 0.03           | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 93E   |  |
| Sodium                                    | 54           | 0.05           | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 93E   |  |

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

CREEK ENVIRONMENTAL LABORATORIES

Lab Director, Michael Ng





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11/09/06  
BY: *[Signature]*

George Milanec  
Los Osos CSD  
PO Box 6064  
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Log Number: 06-C14329  
Order: N6582  
Project: Nitrate monitoring program  
Received: 10/31/06  
Printed: 11/09/06

## REPORT OF ANALYTICAL RESULTS

| Sample Description                        | Sampled By   | Sampled Date @ Time | Matrix          |          |            |               |               |       |
|---|--------------|---------------------|-----------------|----------|------------|---------------|---------------|-------|
| 30S/11E-17E9                              | Asuncion     | 10/31/06@10:55      | Aqueous         |          |            |               |               |       |
| Analyte                                   | Result       | DLR                 | Dilution Factor | Units    | Method     | Date Analyzed | Date Prepared | Batch |
| Carbonate Alkalinity as CaCO <sub>3</sub> | Not Detected | 1                   | 1               | mg/L     | SM 2320B   | 11/08/06      |               | 9544  |
| Carbonate Alkalinity as CaCO <sub>3</sub> | 100          | 1                   | 1               | mg/L     | SM 2320B   | 11/08/06      |               | 9544  |
| Hydroxide Alkalinity as CaCO <sub>3</sub> | Not Detected | 1                   | 1               | mg/L     | SM 2320B   | 11/08/06      |               | 9544  |
| Total Alkalinity as CaCO <sub>3</sub>     | 100          | 2                   | 1               | mg/L     | SM 2320B   | 11/08/06      |               | 9544  |
| Chloride                                  | 70           | 1                   | 1               | mg/L     | EPA 300.0  | 11/01/06      |               | 9371  |
| Electrical Conductance                    | 540          | 1                   | 1               | umhos/cm | SM 2510    | 11/02/06      |               | 9411  |
| Organic Nitrogen Value                    | Not Detected | 0.5                 | NA              | mg/L     | Calculated |               |               |       |
| Total Nitrogen Value                      | 13           | 0.5                 | NA              | mg/L     | Calculated |               |               |       |
| Ammonia, Total, as N                      | Not Detected | 0.3                 | 1               | mg/L     | EPA 350.2  | 11/06/06      | 11/06/06      | 9461  |
| Nitrate as N                              | 13           | 0.1                 | 1               | mg/L     | EPA 300.0  | 11/01/06      |               | 9371  |
| Nitrite as N                              | Not Detected | 0.1                 | 1               | mg/L     | EPA 300.0  | 11/01/06      |               | 9371  |
| Sulfate                                   | 17           | 0.5                 | 1               | mg/L     | EPA 300.0  | 11/01/06      |               | 9371  |
| Total Dissolved Solids                    | 330          | 10                  | 1               | mg/L     | EPA 160.1  | 11/06/06      |               | 9481  |
| Total Kjeldahl Nitrogen                   | Not Detected | 0.5                 | 1               | mg/L     | EPA 351.3  | 11/08/06      | 11/07/06      | 9541  |
| Boron                                     | 0.09         | 0.05                | 1               | mg/L     | EPA 200.7  | 11/07/06      |               | 9531  |
| Calcium                                   | 29           | 0.03                | 1               | mg/L     | EPA 200.7  | 11/07/06      |               | 9531  |
| Potassium                                 | 1.4          | 0.1                 | 1               | mg/L     | EPA 200.7  | 11/07/06      |               | 9531  |
| Magnesium                                 | 25           | 0.03                | 1               | mg/L     | EPA 200.7  | 11/07/06      |               | 9531  |
| Sodium                                    | 40           | 0.05                | 1               | mg/L     | EPA 200.7  | 11/07/06      |               | 9531  |

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

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Lab Director, Michael Ng



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Log Number: 06-C14130  
Order: N6487  
Project: Nitrate monitoring program  
Received: 10/26/06  
Printed: 11/06/06

## REPORT OF ANALYTICAL RESULTS

| Sample Description            | Sampled By   | Sampled        |                 | Matrix   |            |               |               |       |
|-------------------------------|--------------|----------------|-----------------|----------|------------|---------------|---------------|-------|
|                               |              | Date @ Time    |                 |          |            |               |               |       |
| 30S/11E-17F4                  | Asuncion     | 10/26/06@10:45 |                 | Aqueous  |            |               |               |       |
| Analyte                       | Result       | DLR            | Dilution Factor | Units    | Method     | Date Analyzed | Date Prepared | Batch |
| Carbonate Alkalinity as CaCO3 | Not Detected | 1              | 1               | mg/L     | SM 2320B   | 11/06/06      |               | 9456  |
| Carbonate Alkalinity as CaCO3 | 140          | 1              | 1               | mg/L     | SM 2320B   | 11/06/06      |               | 9456  |
| Hydroxide Alkalinity as CaCO3 | Not Detected | 1              | 1               | mg/L     | SM 2320B   | 11/06/06      |               | 9456  |
| Total Alkalinity as CaCO3     | 140          | 2              | 1               | mg/L     | SM 2320B   | 11/06/06      |               | 9456  |
| Chloride                      | 92           | 1              | 1               | mg/L     | EPA 300.0  | 10/27/06      |               | 926E  |
| Electrical Conductance        | 570          | 1              | 1               | umhos/cm | SM 2510    | 10/26/06      |               | 921E  |
| Organic Nitrogen Value        | Not Detected | 0.5            | NA              | mg/L     | Calculated |               |               |       |
| Total Nitrogen Value          | 0.6          | 0.5            | NA              | mg/L     | Calculated |               |               |       |
| Ammonia, Total, as N          | Not Detected | 0.3            | 1               | mg/L     | EPA 350.2  | 11/06/06      | 11/06/06      | 945E  |
| Nitrate as N                  | 0.6          | 0.1            | 1               | mg/L     | EPA 300.0  | 10/27/06      |               | 926E  |
| Nitrite as N                  | Not Detected | 0.1            | 1               | mg/L     | EPA 300.0  | 10/27/06      |               | 926E  |
| Sulfate                       | 13           | 0.5            | 1               | mg/L     | EPA 300.0  | 10/27/06      |               | 926E  |
| Total Dissolved Solids        | 310          | 10             | 1               | mg/L     | EPA 160.1  | 11/02/06      |               | 9447  |
| Total Kjeldahl Nitrogen       | Not Detected | 0.5            | 1               | mg/L     | EPA 351.3  | 11/03/06      | 11/02/06      | 943E  |
| Boron                         | 0.06         | 0.05           | 1               | mg/L     | EPA 200.7  | 11/03/06      |               | 943E  |
| Calcium                       | 26           | 0.03           | 1               | mg/L     | EPA 200.7  | 11/03/06      |               | 943E  |
| Potassium                     | 0.63         | 0.1            | 1               | mg/L     | EPA 200.7  | 11/03/06      |               | 943E  |
| Magnesium                     | 24           | 0.03           | 1               | mg/L     | EPA 200.7  | 11/03/06      |               | 943E  |
| Sodium                        | 59           | 0.05           | 1               | mg/L     | EPA 200.7  | 11/03/06      |               | 943E  |

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

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Log Number: 06-C14084  
Order: N6465  
Project: Nitrate monitoring program  
Received: 10/25/06  
Printed: 11/14/06

## REPORT OF ANALYTICAL RESULTS

| Sample Description                | Sampled By   | Sampled Date @ Time | Matrix          |          |            |               |               |       |
|-----------------------------------|--------------|---------------------|-----------------|----------|------------|---------------|---------------|-------|
| 30S/11E-17N4                      | Asuncion     | 10/25/06@10:30      | Aqueous         |          |            |               |               |       |
| Analyte                           | Result       | DLR                 | Dilution Factor | Units    | Method     | Date Analyzed | Date Prepared | Batch |
| Carbonate Alkalinity as CaCO3     | Not Detected | 1                   | 1               | mg/L     | SM 23208   | 11/03/06      |               | 9430  |
| Non-carbonate Alkalinity as CaCO3 | 40           | 1                   | 1               | mg/L     | SM 23208   | 11/03/06      |               | 9430  |
| Hydroxide Alkalinity as CaCO3     | Not Detected | 1                   | 1               | mg/L     | SM 23208   | 11/03/06      |               | 9430  |
| Total Alkalinity as CaCO3         | 40           | 2                   | 1               | mg/L     | SM 23208   | 11/03/06      |               | 9430  |
| Chloride                          | 43           | 1                   | 1               | mg/L     | EPA 300.0  | 10/26/06      |               | 9205  |
| Electrical Conductance            | 320          | 1                   | 1               | umhos/cm | SM 2510    | 10/25/06      |               | 9211  |
| Organic Nitrogen Value            | Not Detected | 0.5                 | NA              | mg/L     | Calculated |               |               |       |
| Total Nitrogen Value              | 5.6          | 0.5                 | NA              | mg/L     | Calculated |               |               |       |
| Ammonia, Total, as N              | Not Detected | 0.3                 | 1               | mg/L     | EPA 350.2  | 10/30/06      | 10/30/06      | 9291  |
| Nitrate as N                      | 5.6          | 0.1                 | 1               | mg/L     | EPA 300.0  | 10/26/06      |               | 9205  |
| Nitrite as N                      | Not Detected | 0.1                 | 1               | mg/L     | EPA 300.0  | 10/26/06      |               | 9205  |
| Sulfate                           | 13           | 0.5                 | 1               | mg/L     | EPA 300.0  | 10/26/06      |               | 9205  |
| Total Dissolved Solids            | 200          | 10                  | 1               | mg/L     | EPA 160.1  | 10/30/06      |               | 9350  |
| Total Kjeldahl Nitrogen           | Not Detected | 0.5                 | 1               | mg/L     | EPA 351.3  | 11/01/06      | 11/01/06      | 9378  |
| Boron                             | Not Detected | 0.05                | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 9383  |
| Calcium                           | 12           | 0.03                | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 9384  |
| Potassium                         | 0.78         | 0.1                 | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 9384  |
| Magnesium                         | 11           | 0.03                | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 9384  |
| Sodium                            | 31           | 0.05                | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 9383  |

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Log Number: 06-C14131  
Order: N6487  
Project: Nitrate monitoring program  
Received: 10/26/06  
Printed: 11/06/06

## REPORT OF ANALYTICAL RESULTS

| Sample Description                | Sampled By   | Sampled |          | Date @ Time    |            | Matrix   |          |       |
|-----------------------------------|--------------|---------|----------|----------------|------------|----------|----------|-------|
| =====                             | =====        | =====   | =====    | =====          | =====      | =====    | =====    | ===== |
| 30S/11E-18A                       | Asuncion     |         |          | 10/26/06@11:05 |            | Aqueous  |          |       |
| =====                             | =====        | =====   | =====    | =====          | =====      | =====    | =====    | ===== |
| Analyte                           | Result       | DLR     | Dilution | Units          | Method     | Date     | Date     | Batch |
|                                   |              |         | Factor   |                |            | Analyzed | Prepared |       |
| Carbonate Alkalinity as CaCO3     | Not Detected | 1       | 1        | mg/L           | SM 2320B   | 11/06/06 |          | 945   |
| Non-carbonate Alkalinity as CaCO3 | 85           | 1       | 1        | mg/L           | SM 2320B   | 11/06/06 |          | 945   |
| Hydroxide Alkalinity as CaCO3     | Not Detected | 1       | 1        | mg/L           | SM 2320B   | 11/06/06 |          | 945   |
| Total Alkalinity as CaCO3         | 85           | 2       | 1        | mg/L           | SM 2320B   | 11/06/06 |          | 945   |
| Chloride                          | 57           | 1       | 1        | mg/L           | EPA 300.0  | 10/27/06 |          | 926   |
| Electrical Conductance            | 490          | 1       | 1        | umhos/cm       | SM 2510    | 10/26/06 |          | 921   |
| Organic Nitrogen Value            | Not Detected | 0.5     | NA       | mg/L           | Calculated |          |          |       |
| Total Nitrogen Value              | 11           | 0.5     | NA       | mg/L           | Calculated |          |          |       |
| Ammonia, Total, as N              | Not Detected | 0.3     | 1        | mg/L           | EPA 350.2  | 11/06/06 | 11/06/06 | 945   |
| Nitrate as N                      | 11           | 0.1     | 1        | mg/L           | EPA 300.0  | 10/27/06 |          | 926   |
| Nitrite as N                      | Not Detected | 0.1     | 1        | mg/L           | EPA 300.0  | 10/27/06 |          | 926   |
| Sulfate                           | 31           | 0.5     | 1        | mg/L           | EPA 300.0  | 10/27/06 |          | 926   |
| Total Dissolved Solids            | 270          | 10      | 1        | mg/L           | EPA 160.1  | 11/02/06 |          | 942   |
| Total Kjeldahl Nitrogen           | Not Detected | 0.5     | 1        | mg/L           | EPA 351.3  | 11/03/06 | 11/02/06 | 943   |
| Boron                             | 0.23         | 0.05    | 1        | mg/L           | EPA 200.7  | 11/03/06 |          | 943   |
| Calcium                           | 23           | 0.03    | 1        | mg/L           | EPA 200.7  | 11/03/06 |          | 943   |
| Potassium                         | 2.5          | 0.1     | 1        | mg/L           | EPA 200.7  | 11/03/06 |          | 943   |
| Magnesium                         | 16           | 0.03    | 1        | mg/L           | EPA 200.7  | 11/03/06 |          | 943   |
| Sodium                            | 53           | 0.05    | 1        | mg/L           | EPA 200.7  | 11/03/06 |          | 943   |

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

CREEK ENVIRONMENTAL LABORATORIES

Lab Director, Michael Ng



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Log Number: 06-C14127  
Order: N6487  
Project: Nitrate monitoring program  
Received: 10/26/06  
Printed: 11/06/06

## REPORT OF ANALYTICAL RESULTS

| Sample Description            | Sampled By   | Sampled  |                 | Matrix   |            |               |               |       |
|-------------------------------|--------------|----------|-----------------|----------|------------|---------------|---------------|-------|
|                               |              | Date     | @ Time          |          |            |               |               |       |
| 30S/11E-18B1                  | Asuncion     | 10/26/06 | 08:20           | Aqueous  |            |               |               |       |
| Analyte                       | Result       | DLR      | Dilution Factor | Units    | Method     | Date Analyzed | Date Prepared | Batch |
| Carbonate Alkalinity as CaCO3 | Not Detected | 1        | 1               | mg/L     | SM 2320B   | 11/06/06      |               | 945   |
| Carbonate Alkalinity as CaCO3 | 110          | 1        | 1               | mg/L     | SM 2320B   | 11/06/06      |               | 945   |
| Hydroxide Alkalinity as CaCO3 | Not Detected | 1        | 1               | mg/L     | SM 2320B   | 11/06/06      |               | 945   |
| Total Alkalinity as CaCO3     | 110          | 2        | 1               | mg/L     | SM 2320B   | 11/06/06      |               | 945   |
| Chloride                      | 50           | 1        | 1               | mg/L     | EPA 300.0  | 10/27/06      |               | 926   |
| Electrical Conductance        | 470          | 1        | 1               | umhos/cm | SM 2510    | 10/26/06      |               | 921   |
| Organic Nitrogen Value        | Not Detected | 0.5      | NA              | mg/L     | Calculated |               |               |       |
| Total Nitrogen Value          | 7.0          | 0.5      | NA              | mg/L     | Calculated |               |               |       |
| Ammonia, Total, as N          | Not Detected | 0.3      | 1               | mg/L     | EPA 350.2  | 11/06/06      | 11/06/06      | 945   |
| Nitrate as N                  | 7.0          | 0.1      | 1               | mg/L     | EPA 300.0  | 10/27/06      |               | 926   |
| Nitrite as N                  | Not Detected | 0.1      | 1               | mg/L     | EPA 300.0  | 10/27/06      |               | 926   |
| Sulfate                       | 18           | 0.5      | 1               | mg/L     | EPA 300.0  | 10/27/06      |               | 926   |
| Total Dissolved Solids        | 250          | 10       | 1               | mg/L     | EPA 160.1  | 11/02/06      |               | 944   |
| Total Kjeldahl Nitrogen       | Not Detected | 0.5      | 1               | mg/L     | EPA 351.3  | 11/01/06      | 11/01/06      | 937   |
| Boron                         | 0.19         | 0.05     | 1               | mg/L     | EPA 200.7  | 11/03/06      |               | 943   |
| Calcium                       | 28           | 0.03     | 1               | mg/L     | EPA 200.7  | 11/03/06      |               | 943   |
| Potassium                     | 5.7          | 0.1      | 1               | mg/L     | EPA 200.7  | 11/03/06      |               | 943   |
| Magnesium                     | 15           | 0.03     | 1               | mg/L     | EPA 200.7  | 11/03/06      |               | 943   |
| Sodium                        | 37           | 0.05     | 1               | mg/L     | EPA 200.7  | 11/03/06      |               | 943   |

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

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Log Number: 06-C13984  
Order: N6417  
Project: Nitrate monitoring program  
Received: 10/24/06  
Printed: 11/02/06

## REPORT OF ANALYTICAL RESULTS

| Sample Description            | Sampled By   | Sampled  |                 | Matrix   |            |               |               |       |
|-------------------------------|--------------|----------|-----------------|----------|------------|---------------|---------------|-------|
|                               |              | Date     | @ Time          |          |            |               |               |       |
| 50S/11E-18C1                  | Asuncion     | 10/24/06 | 09:43           | Aqueous  |            |               |               |       |
| Analyte                       | Result       | DLR      | Dilution Factor | Units    | Method     | Date Analyzed | Date Prepared | Batch |
| Carbonate Alkalinity as CaCO3 | Not Detected | 1        | 1               | mg/L     | SM 2320B   | 11/01/06      |               | 9380  |
| Carbonate Alkalinity as CaCO3 | 120          | 1        | 1               | mg/L     | SM 2320B   | 11/01/06      |               | 9380  |
| Hydroxide Alkalinity as CaCO3 | Not Detected | 1        | 1               | mg/L     | SM 2320B   | 11/01/06      |               | 9380  |
| Total Alkalinity as CaCO3     | 120          | 2        | 1               | mg/L     | SM 2320B   | 11/01/06      |               | 9380  |
| Chloride                      | 84           | 1        | 1               | mg/L     | EPA 300.0  | 10/25/06      |               | 9182  |
| Electrical Conductance        | 670          | 1        | 1               | umhos/cm | SM 2510    | 10/26/06      |               | 9212  |
| Organic Nitrogen Value        | Not Detected | 0.5      | NA              | mg/L     | Calculated |               |               |       |
| Total Nitrogen Value          | 14           | 0.5      | NA              | mg/L     | Calculated |               |               |       |
| Ammonia, Total, as N          | Not Detected | 0.3      | 1               | mg/L     | EPA 350.2  | 10/30/06      | 10/30/06      | 9291  |
| Nitrate as N                  | 14           | 0.1      | 1               | mg/L     | EPA 300.0  | 10/25/06      |               | 9182  |
| Nitrite as N                  | Not Detected | 0.1      | 1               | mg/L     | EPA 300.0  | 10/25/06      |               | 9182  |
| Sulfate                       | 39           | 0.5      | 1               | mg/L     | EPA 300.0  | 10/25/06      |               | 9182  |
| Total Dissolved Solids        | 360          | 10       | 1               | mg/L     | EPA 160.1  | 10/27/06      |               | 9348  |
| Total Kjeldahl Nitrogen       | Not Detected | 0.5      | 1               | mg/L     | EPA 351.3  | 10/27/06      | 10/27/06      | 9270  |
| Boron                         | 0.13         | 0.05     | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 9382  |
| Calcium                       | 29           | 0.03     | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 9382  |
| Potassium                     | 1.6          | 0.1      | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 9382  |
| Magnesium                     | 26           | 0.03     | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 9382  |
| Sodium                        | 61           | 0.05     | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 9382  |

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

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Log Number: 06-C14414  
Order: N6614  
Project: Nitrate monitoring program  
Received: 11/01/06  
Printed: 11/13/06

## REPORT OF ANALYTICAL RESULTS

| Sample Description            | Sampled By   | Sampled  |                 | Matrix   |            |               |               |       |
|-------------------------------|--------------|----------|-----------------|----------|------------|---------------|---------------|-------|
|                               |              | Date     | @ Time          |          |            |               |               |       |
| 30S/11E-18E1                  | Asuncion     | 11/01/06 | 10:47           | Aqueous  |            |               |               |       |
| Analyte                       | Result       | DLR      | Dilution Factor | Units    | Method     | Date Analyzed | Date Prepared | Batch |
| Carbonate Alkalinity as CaCO3 | Not Detected | 1        | 1               | mg/L     | SM 2320B   | 11/09/06      |               | 956   |
| Carbonate Alkalinity as CaCO3 | 84           | 1        | 1               | mg/L     | SM 2320B   | 11/09/06      |               | 956   |
| Hydroxide Alkalinity as CaCO3 | Not Detected | 1        | 1               | mg/L     | SM 2320B   | 11/09/06      |               | 956   |
| Total Alkalinity as CaCO3     | 84           | 2        | 1               | mg/L     | SM 2320B   | 11/09/06      |               | 956   |
| Chloride                      | 58           | 1        | 1               | mg/L     | EPA 300.0  | 11/02/06      |               | 942   |
| Electrical Conductance        | 450          | 1        | 1               | umhos/cm | SM 2510    | 11/02/06      |               | 941   |
| Organic Nitrogen Value        | Not Detected | 0.5      | NA              | mg/L     | Calculated |               |               |       |
| Total Nitrogen Value          | 7.9          | 0.5      | NA              | mg/L     | Calculated |               |               |       |
| Ammonia, Total, as N          | Not Detected | 0.3      | 1               | mg/L     | EPA 350.2  | 11/06/06      | 11/06/06      | 946   |
| Nitrate as N                  | 7.9          | 0.1      | 1               | mg/L     | EPA 300.0  | 11/02/06      |               | 942   |
| Nitrite as N                  | Not Detected | 0.1      | 1               | mg/L     | EPA 300.0  | 11/02/06      |               | 942   |
| Sulfate                       | 21           | 0.5      | 1               | mg/L     | EPA 300.0  | 11/02/06      |               | 942   |
| Total Dissolved Solids        | 240          | 10       | 1               | mg/L     | EPA 160.1  | 11/08/06      |               | 962   |
| Total Kjeldahl Nitrogen       | Not Detected | 0.5      | 1               | mg/L     | EPA 351.3  | 11/09/06      | 11/08/06      | 957   |
| Boron                         | 0.10         | 0.05     | 1               | mg/L     | EPA 200.7  | 11/07/06      |               | 953   |
| Calcium                       | 20           | 0.03     | 1               | mg/L     | EPA 200.7  | 11/07/06      |               | 953   |
| Potassium                     | 1.4          | 0.1      | 1               | mg/L     | EPA 200.7  | 11/07/06      |               | 953   |
| Magnesium                     | 16           | 0.03     | 1               | mg/L     | EPA 200.7  | 11/07/06      |               | 953   |
| Sodium                        | 42           | 0.05     | 1               | mg/L     | EPA 200.7  | 11/07/06      |               | 953   |

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

CREEK ENVIRONMENTAL LABORATORIES

Lab Director, Michael Ng

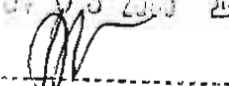


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BY: 

Page 2

George Milanés  
Los Osos CSD  
PO Box 6064  
Los Osos, CA 93402

Log Number: 06-C13852  
Order: N6342  
Project: Nitrate monitoring program  
Received: 10/19/06  
Printed: 10/30/06

## REPORT OF ANALYTICAL RESULTS

| Sample Description            | Sampled By   | Sampled Date @ Time | Matrix          |          |            |               |               |       |
|-------------------------------|--------------|---------------------|-----------------|----------|------------|---------------|---------------|-------|
| 30S/11E-18J6                  | Asuncion     | 10/19/06@11:30      | Aqueous         |          |            |               |               |       |
| Analyte                       | Result       | DLR                 | Dilution Factor | Units    | Method     | Date Analyzed | Date Prepared | Batch |
| Carbonate Alkalinity as CaCO3 | Not Detected | 1                   | 1               | mg/L     | SM 2320B   | 10/27/06      |               | 9251  |
| Carbonate Alkalinity as CaCO3 | 190          | 1                   | 1               | mg/L     | SM 2320B   | 10/27/06      |               | 9251  |
| Hydroxide Alkalinity as CaCO3 | Not Detected | 1                   | 1               | mg/L     | SM 2320B   | 10/27/06      |               | 9251  |
| Total Alkalinity as CaCO3     | 190          | 2                   | 1               | mg/L     | SM 2320B   | 10/27/06      |               | 9251  |
| Chloride                      | 70           | 1                   | 1               | mg/L     | EPA 300.0  | 10/20/06      |               | 9071  |
| Electrical Conductance        | 630          | 1                   | 1               | umhos/cm | SM 2510    | 10/20/06      |               | 9091  |
| Organic Nitrogen Value        | 0.8          | 0.5                 | NA              | mg/L     | Calculated |               |               |       |
| Total Nitrogen Value          | 5.9          | 0.5                 | NA              | mg/L     | Calculated |               |               |       |
| Ammonia, Total, as N          | 3.2          | 0.3                 | 1               | mg/L     | EPA 350.2  | 10/26/06      |               | 9201  |
| Nitrate as N                  | 1.9          | 0.1                 | 1               | mg/L     | EPA 300.0  | 10/20/06      |               | 9071  |
| Nitrite as N                  | Not Detected | 0.1                 | 1               | mg/L     | EPA 300.0  | 10/20/06      |               | 9071  |
| Sulfate                       | 22           | 0.5                 | 1               | mg/L     | EPA 300.0  | 10/20/06      |               | 9071  |
| Total Dissolved Solids        | 390          | 10                  | 1               | mg/L     | EPA 160.1  | 10/24/06      |               | 9211  |
| Total Kjeldahl Nitrogen       | 4.0          | 0.5                 | 1               | mg/L     | EPA 351.3  | 10/24/06      | 10/23/06      | 9131  |
| Boron                         | Not Detected | 0.05                | 1               | mg/L     | EPA 200.7  | 10/26/06      | 10/23/06      | 9191  |
| Calcium                       | 46           | 0.03                | 1               | mg/L     | EPA 200.7  | 10/26/06      |               | 9191  |
| Potassium                     | 5.9          | 0.1                 | 1               | mg/L     | EPA 200.7  | 10/26/06      |               | 9191  |
| Magnesium                     | 32           | 0.03                | 1               | mg/L     | EPA 200.7  | 10/26/06      |               | 9191  |
| Sodium                        | 52           | 0.05                | 1               | mg/L     | EPA 200.7  | 10/26/06      | 10/23/06      | 9191  |

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

CREEK ENVIRONMENTAL LABORATORIES

Lab Director, Michael Ng





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Log Number: 06-C13892  
Order: N6367  
Project: Nitrate monitoring program  
Received: 10/20/06  
Printed: 10/31/06

## REPORT OF ANALYTICAL RESULTS

| Sample Description            | Sampled By   | Sampled        |                 |          | Matrix     |               |               |       |
|-------------------------------|--------------|----------------|-----------------|----------|------------|---------------|---------------|-------|
|                               |              | Date @ Time    |                 |          |            |               |               |       |
| LOS/11E-18L3                  | Asuncion     | 10/20/06@09:25 |                 |          | Aqueous    |               |               |       |
| Analyte                       | Result       | DLR            | Dilution Factor | Units    | Method     | Date Analyzed | Date Prepared | Batch |
| Carbonate Alkalinity as CaCO3 | Not Detected | 1              | 1               | mg/L     | SM 2320B   | 10/27/06      |               | 9255  |
| Carbonate Alkalinity as CaCO3 | 50           | 1              | 1               | mg/L     | SM 2320B   | 10/27/06      |               | 9255  |
| Hydroxide Alkalinity as CaCO3 | Not Detected | 1              | 1               | mg/L     | SM 2320B   | 10/27/06      |               | 9255  |
| Total Alkalinity as CaCO3     | 50           | 2              | 1               | mg/L     | SM 2320B   | 10/27/06      |               | 9255  |
| Chloride                      | 49           | 1              | 1               | mg/L     | EPA 300.0  | 10/20/06      |               | 9070  |
| Electrical Conductance        | 370          | 1              | 1               | umhos/cm | SM 2510    | 10/31/06      |               | 9306  |
| Organic Nitrogen Value        | Not Detected | 0.5            | NA              | mg/L     | Calculated |               |               |       |
| Total Nitrogen Value          | 5.9          | 0.5            | NA              | mg/L     | Calculated |               |               |       |
| Ammonia, Total, as N          | Not Detected | 0.3            | 1               | mg/L     | EPA 350.2  | 10/26/06      |               | 9200  |
| Nitrate as N                  | 5.9          | 0.1            | 1               | mg/L     | EPA 300.0  | 10/20/06      |               | 9070  |
| Nitrite as N                  | Not Detected | 0.1            | 1               | mg/L     | EPA 300.0  | 10/20/06      |               | 9070  |
| Sulfate                       | 21           | 0.5            | 1               | mg/L     | EPA 300.0  | 10/20/06      |               | 9070  |
| Total Dissolved Solids        | 210          | 10             | 1               | mg/L     | EPA 160.1  | 10/25/06      |               | 9300  |
| Total Kjeldahl Nitrogen       | Not Detected | 0.5            | 1               | mg/L     | EPA 351.3  | 10/24/06      | 10/23/06      | 9135  |
| Boron                         | 0.09         | 0.05           | 1               | mg/L     | EPA 200.7  | 10/26/06      | 10/23/06      | 9191  |
| Calcium                       | 18           | 0.03           | 1               | mg/L     | EPA 200.7  | 10/26/06      |               | 9194  |
| Potassium                     | 2.1          | 0.1            | 1               | mg/L     | EPA 200.7  | 10/26/06      |               | 9194  |
| Magnesium                     | 11           | 0.03           | 1               | mg/L     | EPA 200.7  | 10/26/06      |               | 9194  |
| Sodium                        | 33           | 0.05           | 1               | mg/L     | EPA 200.7  | 10/26/06      | 10/23/06      | 9191  |

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

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*[Signature]*

Lab Director, Michael Ng



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Log Number: 06-C13985  
Order: N6417  
Project: Nitrate monitoring program  
Received: 10/24/06  
Printed: 11/02/06

## REPORT OF ANALYTICAL RESULTS

| Sample Description            | Sampled By   | Sampled Date @ Time |                 | Matrix   |            |               |               |       |
|-------------------------------|--------------|---------------------|-----------------|----------|------------|---------------|---------------|-------|
| 30S/11E-18L4                  | Asuncion     | 10/24/06@10:55      |                 | Aqueous  |            |               |               |       |
| Analyte                       | Result       | DLR                 | Dilution Factor | Units    | Method     | Date Analyzed | Date Prepared | Batch |
| -bonate Alkalinity as CaCO3   | Not Detected | 1                   | 1               | mg/L     | SM 2320B   | 10/31/06      |               | 9347  |
| Carbonate Alkalinity as CaCO3 | 110          | 1                   | 1               | mg/L     | SM 2320B   | 10/31/06      |               | 9347  |
| Hydroxide Alkalinity as CaCO3 | Not Detected | 1                   | 1               | mg/L     | SM 2320B   | 10/31/06      |               | 9347  |
| Total Alkalinity as CaCO3     | 110          | 2                   | 1               | mg/L     | SM 2320B   | 10/31/06      |               | 9347  |
| Chloride                      | 84           | 1                   | 1               | mg/L     | EPA 300.0  | 10/25/06      |               | 9183  |
| Electrical Conductance        | 660          | 1                   | 1               | umhos/cm | SM 2510    | 10/26/06      |               | 9212  |
| Organic Nitrogen Value        | Not Detected | 0.5                 | NA              | mg/L     | Calculated |               |               |       |
| Total Nitrogen Value          | 14           | 0.5                 | NA              | mg/L     | Calculated |               |               |       |
| Ammonia, Total, as N          | Not Detected | 0.3                 | 1               | mg/L     | EPA 350.2  | 10/30/06      | 10/30/06      | 9297  |
| Nitrate as N                  | 14           | 0.1                 | 1               | mg/L     | EPA 300.0  | 10/25/06      |               | 9183  |
| Nitrite as N                  | Not Detected | 0.1                 | 1               | mg/L     | EPA 300.0  | 10/25/06      |               | 9183  |
| Sulfate                       | 32           | 0.5                 | 1               | mg/L     | EPA 300.0  | 10/25/06      |               | 9183  |
| Total Dissolved Solids        | 350          | 10                  | 1               | mg/L     | EPA 160.1  | 10/27/06      |               | 9347  |
| Total Kjeldahl Nitrogen       | Not Detected | 0.5                 | 1               | mg/L     | EPA 351.3  | 10/27/06      | 10/27/06      | 9270  |
| Boron                         | 0.12         | 0.05                | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 9383  |
| Calcium                       | 31           | 0.03                | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 9384  |
| Potassium                     | 3.3          | 0.1                 | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 9384  |
| Magnesium                     | 25           | 0.03                | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 9384  |
| Sodium                        | 51           | 0.05                | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 9383  |

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

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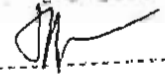
Lab Director, Michael Ng



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BY: 

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Los Osos, CA 93402

Log Number: 06-C14199  
Order: N6518  
Project: Nitrate monitoring program  
Received: 10/27/06  
Printed: 11/08/06

## REPORT OF ANALYTICAL RESULTS

| Sample Description            | Sampled By   | Sampled  |                 | Matrix   |            |               |               |       |
|-------------------------------|--------------|----------|-----------------|----------|------------|---------------|---------------|-------|
|                               |              | Date     | Time            |          |            |               |               |       |
| 30S/11E-18N1                  | Asuncion     | 10/27/06 | 09:25           | Aqueous  |            |               |               |       |
| Analyte                       | Result       | DLR      | Dilution Factor | Units    | Method     | Date Analyzed | Date Prepared | Batch |
| Carbonate Alkalinity as CaCO3 | Not Detected | 1        | 1               | mg/L     | SM 2320B   | 11/06/06      |               | 9513  |
| Carbonate Alkalinity as CaCO3 | 38           | 1        | 1               | mg/L     | SM 2320B   | 11/06/06      |               | 9513  |
| Hydroxide Alkalinity as CaCO3 | Not Detected | 1        | 1               | mg/L     | SM 2320B   | 11/06/06      |               | 9513  |
| Total Alkalinity as CaCO3     | 38           | 2        | 1               | mg/L     | SM 2320B   | 11/06/06      |               | 9513  |
| Chloride                      | 140          | 10       | 10              | mg/L     | EPA 300.0  | 10/30/06      |               | 9298  |
| Electrical Conductance        | 780          | 1        | 1               | umhos/cm | SM 2510    | 10/31/06      |               | 9306  |
| Organic Nitrogen Value        | Not Detected | 0.5      | NA              | mg/L     | Calculated |               |               |       |
| Total Nitrogen Value          | 20           | 0.5      | NA              | mg/L     | Calculated |               |               |       |
| Ammonia, Total, as N          | Not Detected | 0.3      | 1               | mg/L     | EPA 350.2  | 11/06/06      | 11/06/06      | 9460  |
| Nitrate as N                  | 20           | 0.1      | 1               | mg/L     | EPA 300.0  | 10/27/06      |               | 9268  |
| Nitrite as N                  | Not Detected | 0.1      | 1               | mg/L     | EPA 300.0  | 10/27/06      |               | 9268  |
| Sulfate                       | 26           | 0.5      | 1               | mg/L     | EPA 300.0  | 10/27/06      |               | 9268  |
| Total Dissolved Solids        | 420          | 10       | 1               | mg/L     | EPA 160.1  | 11/03/06      |               | 9479  |
| Total Kjeldahl Nitrogen       | Not Detected | 0.5      | 1               | mg/L     | EPA 351.3  | 11/07/06      | 11/06/06      | 9512  |
| Boron                         | 0.12         | 0.05     | 1               | mg/L     | EPA 200.7  | 11/03/06      |               | 9433  |
| Calcium                       | 27           | 0.03     | 1               | mg/L     | EPA 200.7  | 11/03/06      |               | 9433  |
| Potassium                     | 1.7          | 0.1      | 1               | mg/L     | EPA 200.7  | 11/03/06      |               | 9433  |
| Magnesium                     | 25           | 0.03     | 1               | mg/L     | EPA 200.7  | 11/03/06      |               | 9433  |
| Sodium                        | 61           | 0.05     | 1               | mg/L     | EPA 200.7  | 11/03/06      |               | 9433  |

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

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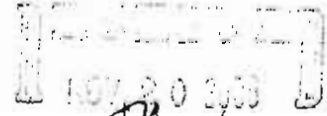
Lab Director, Michael Ng



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BY: *JM*

Page 1

George Milanes  
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PO Box 6064  
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Log Number: 06-C14413  
Order: N6614  
Project: Nitrate monitoring program  
Received: 11/01/06  
Printed: 11/13/06

## REPORT OF ANALYTICAL RESULTS

| Sample Description            | Sampled By   | Sampled        |                 |          | Matrix     |               |               |       |
|-------------------------------|--------------|----------------|-----------------|----------|------------|---------------|---------------|-------|
|                               |              | Date @ Time    |                 |          |            |               |               |       |
| 30S/11E-1BR1                  | Asuncion     | 11/01/06@13:00 |                 |          | Aqueous    |               |               |       |
| Analyte                       | Result       | DLR            | Dilution Factor | Units    | Method     | Date Analyzed | Date Prepared | Batch |
| -bonate Alkalinity as CaCO3   | Not Detected | 1              | 1               | mg/L     | SM 2320B   | 11/09/06      |               | 9561  |
| Carbonate Alkalinity as CaCO3 | 60           | 1              | 1               | mg/L     | SM 2320B   | 11/09/06      |               | 9561  |
| Hydroxide Alkalinity as CaCO3 | Not Detected | 1              | 1               | mg/L     | SM 2320B   | 11/09/06      |               | 9561  |
| Total Alkalinity as CaCO3     | 60           | 2              | 1               | mg/L     | SM 2320B   | 11/09/06      |               | 9561  |
| Chloride                      | 110          | 10             | 10              | mg/L     | EPA 300.0  | 11/03/06      |               | 9446  |
| Electrical Conductance        | 630          | 1              | 1               | umhos/cm | SM 2510    | 11/02/06      |               | 9419  |
| Organic Nitrogen Value        | Not Detected | 0.5            | NA              | mg/L     | Calculated |               |               |       |
| Total Nitrogen Value          | 18           | 0.5            | NA              | mg/L     | Calculated |               |               |       |
| Ammonia, Total, as N          | Not Detected | 0.3            | 1               | mg/L     | EPA 350.2  | 11/06/06      | 11/06/06      | 9460  |
| Nitrate as N                  | 18           | 0.1            | 1               | mg/L     | EPA 300.0  | 11/02/06      |               | 9421  |
| Nitrite as N                  | Not Detected | 0.1            | 1               | mg/L     | EPA 300.0  | 11/02/06      |               | 9421  |
| Sulfate                       | 22           | 0.5            | 1               | mg/L     | EPA 300.0  | 11/02/06      |               | 9421  |
| Total Dissolved Solids        | 350          | 10             | 1               | mg/L     | EPA 160.1  | 11/08/06      |               | 9627  |
| Total Kjeldahl Nitrogen       | Not Detected | 0.5            | 1               | mg/L     | EPA 351.3  | 11/09/06      | 11/08/06      | 9577  |
| Boron                         | 0.17         | 0.05           | 1               | mg/L     | EPA 200.7  | 11/07/06      |               | 9533  |
| Calcium                       | 27           | 0.03           | 1               | mg/L     | EPA 200.7  | 11/07/06      |               | 9533  |
| Potassium                     | 0.78         | 0.1            | 1               | mg/L     | EPA 200.7  | 11/07/06      |               | 9533  |
| Magnesium                     | 22           | 0.03           | 1               | mg/L     | EPA 200.7  | 11/07/06      |               | 9533  |
| Sodium                        | 58           | 0.05           | 1               | mg/L     | EPA 200.7  | 11/07/06      |               | 9533  |

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

CREEK ENVIRONMENTAL LABORATORIES

Lab Director, Michael Ng



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Log Number: 06-C14083  
Order: N6465  
Project: Nitrate monitoring program  
Received: 10/25/06  
Printed: 11/14/06

## REPORT OF ANALYTICAL RESULTS

| Sample Description            | Sampled By   | Sampled  |                 | Matrix   |            |               |               |       |
|-------------------------------|--------------|----------|-----------------|----------|------------|---------------|---------------|-------|
|                               |              | Date     | Time            |          |            |               |               |       |
| 30S/11E-20B                   | Asuncion     | 10/25/06 | 10:05           | Aqueous  |            |               |               |       |
| Analyte                       | Result       | DLR      | Dilution Factor | Units    | Method     | Date Analyzed | Date Prepared | Batch |
| Carbonate Alkalinity as CaCO3 | Not Detected | 1        | 1               | mg/L     | SM 2320B   | 11/03/06      |               | 9430  |
| carbonate Alkalinity as CaCO3 | 95           | 1        | 1               | mg/L     | SM 2320B   | 11/03/06      |               | 9430  |
| Hydroxide Alkalinity as CaCO3 | Not Detected | 1        | 1               | mg/L     | SM 2320B   | 11/03/06      |               | 9430  |
| Total Alkalinity as CaCO3     | 95           | 2        | 1               | mg/L     | SM 2320B   | 11/03/06      |               | 9430  |
| Chloride                      | 98           | 10       | 10              | mg/L     | EPA 300.0  | 10/26/06      |               | 9209  |
| Electrical Conductance        | 610          | 1        | 1               | umhos/cm | SM 2510    | 10/25/06      |               | 9210  |
| Organic Nitrogen Value        | Not Detected | 0.5      | NA              | mg/L     | Calculated |               |               |       |
| Total Nitrogen Value          | 6.0          | 0.5      | NA              | mg/L     | Calculated |               |               |       |
| Ammonia, Total, as N          | Not Detected | 0.3      | 1               | mg/L     | EPA 350.2  | 10/30/06      | 10/30/06      | 9290  |
| Nitrate as N                  | 6.0          | 0.1      | 1               | mg/L     | EPA 300.0  | 10/26/06      |               | 9209  |
| Nitrite as N                  | Not Detected | 0.1      | 1               | mg/L     | EPA 300.0  | 10/26/06      |               | 9209  |
| Sulfate                       | 24           | 0.5      | 1               | mg/L     | EPA 300.0  | 10/26/06      |               | 9209  |
| Total Dissolved Solids        | 340          | 10       | 1               | mg/L     | EPA 160.1  | 10/30/06      |               | 9350  |
| Total Kjeldahl Nitrogen       | Not Detected | 0.5      | 1               | mg/L     | EPA 351.3  | 11/01/06      | 11/01/06      | 9370  |
| Boron                         | Not Detected | 0.05     | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 9380  |
| Calcium                       | 28           | 0.03     | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 9380  |
| Potassium                     | 0.99         | 0.1      | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 9380  |
| Magnesium                     | 30           | 0.03     | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 9380  |
| Sodium                        | 44           | 0.05     | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 9380  |

DLR = Detection Limit for Reporting. Results of "Not Detected" are below DLR.

CREEK ENVIRONMENTAL LABORATORIES

Lab Director, Michael Ng



# CREEK ENVIRONMENTAL LABORATORIES, INC.

A Minority-owned Business Enterprise

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George Milanes  
Los Osos CSD  
PO Box 6064  
Los Osos, CA 93402

Log Number: 06-C14082  
Order: N6465  
Project: Nitrate monitoring program  
Received: 10/25/06  
Printed: 11/14/06

## REPORT OF ANALYTICAL RESULTS

| Sample Description                        | Sampled By   | Sampled  |                 | Matrix   |            |               |               |       |
|---|--------------|----------|-----------------|----------|------------|---------------|---------------|-------|
|   |              | Date     | Time            |          |            |               |               |       |
| 30S/11E-21D                               | Asuncion     | 10/25/06 | 09:40           | Aqueous  |            |               |               |       |
| Analyte                                   | Result       | DLR      | Dilution Factor | Units    | Method     | Date Analyzed | Date Prepared | Batch |
| Carbonate Alkalinity as CaCO <sub>3</sub> | Not Detected | 1        | 1               | mg/L     | SM 2320B   | 11/02/06      |               | 941   |
| Carbonate Alkalinity as CaCO <sub>3</sub> | 500          | 1        | 1               | mg/L     | SM 2320B   | 11/02/06      |               | 941   |
| Hydroxide Alkalinity as CaCO <sub>3</sub> | Not Detected | 1        | 1               | mg/L     | SM 2320B   | 11/02/06      |               | 941   |
| Total Alkalinity as CaCO <sub>3</sub>     | 500          | 2        | 1               | mg/L     | SM 2320B   | 11/02/06      |               | 941   |
| Chloride                                  | 100          | 10       | 10              | mg/L     | EPA 300.0  | 10/26/06      |               | 920   |
| Electrical Conductance                    | 1,300        | 1        | 1               | umhos/cm | SM 2510    | 10/25/06      |               | 921   |
| Organic Nitrogen Value                    | Not Detected | 0.5      | NA              | mg/L     | Calculated |               |               |       |
| Total Nitrogen Value                      | 4.8          | 0.5      | NA              | mg/L     | Calculated |               |               |       |
| Ammonia, Total, as N                      | Not Detected | 0.3      | 1               | mg/L     | EPA 350.2  | 10/30/06      | 10/30/06      | 929   |
| Nitrate as N                              | 4.8          | 0.1      | 1               | mg/L     | EPA 300.0  | 10/26/06      |               | 920   |
| Nitrite as N                              | Not Detected | 0.1      | 1               | mg/L     | EPA 300.0  | 10/26/06      |               | 920   |
| Sulfate                                   | 94           | 0.5      | 1               | mg/L     | EPA 300.0  | 10/26/06      |               | 920   |
| Total Dissolved Solids                    | 780          | 10       | 1               | mg/L     | EPA 160.1  | 10/30/06      |               | 935   |
| Total Kjeldahl Nitrogen                   | Not Detected | 0.5      | 1               | mg/L     | EPA 351.3  | 11/01/06      | 11/01/06      | 937   |
| Boron                                     | 0.16         | 0.05     | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 938   |
| Calcium                                   | 87           | 0.03     | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 938   |
| Potassium                                 | 0.50         | 0.1      | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 938   |
| Magnesium                                 | 90           | 0.03     | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 938   |
| Sodium                                    | 78           | 0.05     | 1               | mg/L     | EPA 200.7  | 11/01/06      |               | 938   |

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