

FMC AMP Analysis - to Dec 2010

X2, N Fork of Rose Creek u/s of mine access road

| DATE | Sulphate mg/L | Zinc (Total) mg/L | Copper mg/L |
|----------------|--|----------------------|----------------|
| 14-Jan-03 | 29 | 0.029 | 0.019 |
| 15-Feb-03 | 29 | 0.023 | 0.008 |
| 15-Mar-03 | 31 | 0.022 | 0.021 |
| 15-Apr-03 | 28 | 0.021 | 0.018 |
| 13-May-03 | 7 | 0.037 | 0.107 |
| 14-Jun-03 | 9 | 0.016 | 0.034 |
| 14-Jul-03 | 11 | 0.034 | 0.023 |
| 11-Aug-03 | 15 | 0.011 | 0.02 |
| 8-Sep-03 | 13 | 0.012 | 0.021 |
| 14-Oct-03 | 26 | 0.027 | 0.049 |
| 15-Nov-03 | 21 | 0.022 | 0.01 |
| 15-Dec-03 | 18 | 0.014 | 0.008 |
| 12-Jan-04 | 24 | 0.024 | 0.015 |
| 16-Feb-04 | 34 | 0.032 | 0.031 |
| 15-Mar-04 | 32 | 0.031 | 0.001 |
| 13-Apr-04 | 32.4 | 0.024 | 0.02 |
| 14-May-04 | 7.8 | 0.027 | 0.003 |
| 14-Jun-04 | 7.8 | 0.007 | 0.001 |
| 12-Jul-04 | 15.7 | 0.009 | 0.001 |
| 9-Aug-04 | 19.3 | 0.011 | 0.001 |
| 13-Sep-04 | 19.4 | 0.012 | 0.001 |
| 12-Oct-04 | 28 | 0.025 | 0.001 |
| 15-Nov-04 | 24.7 | 0.024 | 0.001 |
| 3-Dec-04 | 25 | 0.02 | 0.001 |
| 21-Jan-05 | 37.2 | 0.031 | 0.002 |
| 8-Feb-05 | 31.8 | 0.035 | 0.001 |
| 15-Mar-05 | 33.2 | 0.031 | 0.001 |
| 11-Apr-05 | 34 | 0.038 | 0.001 |
| 9-May-05 | 4 | 0.031 | 0.003 |
| 20-Jun-05 | 10.4 | 0.016 | 0.001 |
| 25-Jul-05 | 10.6 | 0.015 | 0.001 |
| 22-Aug-05 | 15.1 | 0.023 | 0.001 |
| 6-Sep-05 | 16.4 | 0.036 | 0.001 |
| 10-Oct-05 | 16.6 | 0.028 | 0.001 |
| 1-Nov-05 | 24.6 | 0.035 | 0.001 |
| 13-Dec-05 | 28.1 | 0.058 | 0.001 |
| 23-Jan-06 | 37.2 | 0.094 | 0.001 |
| 14-Feb-06 | 39.7 | 0.035 | 0.001 |
| 25-Apr-06 | 38.8 | 0.14 | 0.001 |
| 17-May-06 | 4.85 | 0.042 | 0.003 |
| 19-Jun-06 | 8.95 | 0.017 | 0.001 |
| 18-Jul-06 | 11.7 | 0.02 | 0.001 |
| 21-Aug-06 | 12.2 | 0.023 | 0.0010 |
| 11-Sep-06 | 12.8 | 0.023 | 0.0010 |
| 16-Oct-06 | 27.4 | 0.065 | 0.0010 |
| 14-Nov-06 | 31.1 | 0.064 | 0.0010 |
| Trigger | 14.8^a/29.5^b | 0.06 | 0.028 |

| DATE | Sulphate mg/L | Zinc (Total) mg/L | Copper mg/L |
|----------------|--|----------------------|----------------|
| 18-Apr-07 | 33.7 | 0.18 | 0.0010 |
| 14-May-07 | 12.8 | 0.068 | 0.0030 |
| 18-Jun-07 | 9.25 | 0.029 | 0.0020 |
| 16-Jul-07 | 10.1 | 0.025 | 0.0010 |
| 13-Aug-07 | 15.3 | 0.031 | 0.0010 |
| 10-Sep-07 | 14.2 | 0.025 | 0.0010 |
| 22-Oct-07 | 19.9 | 0.063 | 0.0010 |
| 13-Nov-07 | 24.5 | 0.068 | 0.0010 |
| 9-Dec-07 | 28.1 | 0.097 | 0.0010 |
| 8-Jan-08 | 30.9 | 0.056 | 0.0010 |
| 18-Feb-08 | 36.4 | 0.099 | 0.0010 |
| 17-Mar-08 | 38.2 | 0.094 | 0.0010 |
| 14-Apr-08 | 36.3 | 0.097 | 0.0010 |
| 14-May-08 | 6.12 | 0.076 | 0.0030 |
| 16-Jun-08 | 8.35 | 0.037 | 0.0020 |
| 14-Jul-08 | 7.3 | 0.024 | 0.0010 |
| 11-Aug-08 | 11.7 | 0.03 | 0.0010 |
| 15-Sep-08 | 10.1 | 0.024 | 0.0020 |
| 15-Oct-08 | 14.6 | 0.039 | 0.0010 |
| 3-Nov-08 | 22.2 | 0.1 | 0.0010 |
| 1-Dec-08 | 23.7 | 0.092 | 0.0010 |
| 12-Jan-09 | 44 | 0.2 | 0.0010 |
| 2-Feb-09 | 35.3 | 0.14 | 0.0010 |
| 3-Mar-09 | 38 | 0.121 | 0.0004 |
| 6-Apr-09 | 39 | 0.0994 | 0.0003 |
| 6-May-09 | 0.6 | 0.168 | 0.0033 |
| 8-Jun-09 | 4 | 0.0092 | 0.0012 |
| 13-Jul-09 | 13 | 0.033 | 0.0009 |
| 17-Aug-09 | 18.0 | 0.0272 | 0.00059 |
| 2-Sep-09 | 12.0 | 0.0169 | 0.00060 |
| 5-Oct-09 | 13.0 | 0.0189 | 0.00050 |
| 4-Nov-09 | 20.0 | 0.0284 | 0.00040 |
| 1-Dec-09 | 25.0 | 0.0239 | 0.00040 |
| 11-Jan-10 | 29.0 | 0.0237 | 0.00040 |
| 22-Feb-10 | 28.0 | 0.0247 | 0.00030 |
| 10-Mar-10 | 31.0 | 0.0255 | 0.00030 |
| 14-Apr-10 | 28.0 | 0.0311 | 0.00050 |
| 3-May-10 | 4.5 | 0.0162 | 0.00230 |
| 4-Jun-10 | 6.6 | 0.0082 | 0.00090 |
| 8-Jul-10 | 15.0 | 0.0078 | 0.00080 |
| 3-Aug-10 | 15.0 | 0.0097 | 0.00060 |
| 2-Sep-10 | 13.0 | 0.0144 | 0.00050 |
| 18-Oct-10 | 19.0 | 0.0142 | 0.00040 |
| 9-Nov-10 | 25.0 | 0.0218 | 0.00050 |
| 1-Dec-10 | 29.0 | 0.0194 | 0.00040 |
| Trigger | 14.8^a/29.5^b | 0.06 | 0.028 |

Note: Italic = Exceeds Trigger Value; a: Open Water Trigger Value; b: Winter Trigger Value
 Shaded numbers are "less than" the value indicated

IP Analysis - to Dec 2010

X2, N Fork of Rose Creek u/s of mine access road

| DATE | Sulphate mg/L | Zinc (Total) mg/L | Copper mg/L |
|----------------|--|----------------------|----------------|
| 14-Jan-03 | 29 | 0.029 | 0.019 |
| 15-Feb-03 | 29 | 0.023 | 0.008 |
| 15-Mar-03 | 31 | 0.022 | 0.021 |
| 15-Apr-03 | 28 | 0.021 | 0.018 |
| 13-May-03 | 7 | 0.037 | 0.107 |
| 14-Jun-03 | 9 | 0.016 | 0.034 |
| 14-Jul-03 | 11 | 0.034 | 0.023 |
| 11-Aug-03 | 15 | 0.011 | 0.02 |
| 8-Sep-03 | 13 | 0.012 | 0.021 |
| 14-Oct-03 | 26 | 0.027 | 0.049 |
| 15-Nov-03 | 21 | 0.022 | 0.01 |
| 15-Dec-03 | 18 | 0.014 | 0.008 |
| 12-Jan-04 | 24 | 0.024 | 0.015 |
| 16-Feb-04 | 34 | 0.032 | 0.031 |
| 15-Mar-04 | 32 | 0.031 | 0.001 |
| 13-Apr-04 | 32.4 | 0.024 | 0.02 |
| 14-May-04 | 7.8 | 0.027 | 0.003 |
| 14-Jun-04 | 7.8 | 0.007 | 0.001 |
| 12-Jul-04 | 15.7 | 0.009 | 0.001 |
| 9-Aug-04 | 19.3 | 0.011 | 0.001 |
| 13-Sep-04 | 19.4 | 0.012 | 0.001 |
| 12-Oct-04 | 28 | 0.025 | 0.001 |
| 15-Nov-04 | 24.7 | 0.024 | 0.001 |
| 3-Dec-04 | 25 | 0.02 | 0.001 |
| 21-Jan-05 | 37.2 | 0.031 | 0.002 |
| 8-Feb-05 | 31.8 | 0.035 | 0.001 |
| 15-Mar-05 | 33.2 | 0.031 | 0.001 |
| 11-Apr-05 | 34 | 0.038 | 0.001 |
| 9-May-05 | 4 | 0.031 | 0.003 |
| 20-Jun-05 | 10.4 | 0.016 | 0.001 |
| 25-Jul-05 | 10.6 | 0.015 | 0.001 |
| 22-Aug-05 | 15.1 | 0.023 | 0.001 |
| 6-Sep-05 | 16.4 | 0.036 | 0.001 |
| 10-Oct-05 | 16.6 | 0.028 | 0.001 |
| 1-Nov-05 | 24.6 | 0.035 | 0.001 |
| 13-Dec-05 | 28.1 | 0.058 | 0.001 |
| 23-Jan-06 | 37.2 | 0.094 | 0.001 |
| 14-Feb-06 | 39.7 | 0.035 | 0.001 |
| 25-Apr-06 | 38.8 | 0.14 | 0.001 |
| 17-May-06 | 4.85 | 0.042 | 0.003 |
| 19-Jun-06 | 8.95 | 0.017 | 0.001 |
| 18-Jul-06 | 11.7 | 0.02 | 0.001 |
| 21-Aug-06 | 12.2 | 0.023 | 0.0010 |
| 11-Sep-06 | 12.8 | 0.023 | 0.0010 |
| 16-Oct-06 | 27.4 | 0.065 | 0.0010 |
| 14-Nov-06 | 31.1 | 0.064 | 0.0010 |
| Trigger | 14.8^a/29.5^b | 0.06 | 0.028 |

| DATE | Sulphate mg/L | Zinc (Total) mg/L | Copper mg/L |
|----------------|--|----------------------|----------------|
| 18-Apr-07 | 33.7 | 0.18 | 0.0010 |
| 14-May-07 | 12.8 | 0.068 | 0.0030 |
| 18-Jun-07 | 9.25 | 0.029 | 0.0020 |
| 16-Jul-07 | 10.1 | 0.025 | 0.0010 |
| 13-Aug-07 | 15.3 | 0.031 | 0.0010 |
| 10-Sep-07 | 14.2 | 0.025 | 0.0010 |
| 22-Oct-07 | 19.9 | 0.063 | 0.0010 |
| 13-Nov-07 | 24.5 | 0.068 | 0.0010 |
| 9-Dec-07 | 28.1 | 0.097 | 0.0010 |
| 8-Jan-08 | 30.9 | 0.056 | 0.0010 |
| 18-Feb-08 | 36.4 | 0.099 | 0.0010 |
| 17-Mar-08 | 38.2 | 0.094 | 0.0010 |
| 14-Apr-08 | 36.3 | 0.097 | 0.0010 |
| 14-May-08 | 6.12 | 0.076 | 0.0030 |
| 16-Jun-08 | 8.35 | 0.037 | 0.0020 |
| 14-Jul-08 | 7.3 | 0.024 | 0.0010 |
| 11-Aug-08 | 11.7 | 0.03 | 0.0010 |
| 15-Sep-08 | 10.1 | 0.024 | 0.0020 |
| 15-Oct-08 | 14.6 | 0.039 | 0.0010 |
| 3-Nov-08 | 22.2 | 0.1 | 0.0010 |
| 1-Dec-08 | 23.7 | 0.092 | 0.0010 |
| 12-Jan-09 | 44 | 0.2 | 0.0010 |
| 2-Feb-09 | 35.3 | 0.14 | 0.0010 |
| 3-Mar-09 | 38 | 0.121 | 0.0004 |
| 6-Apr-09 | 39 | 0.0994 | 0.0003 |
| 6-May-09 | 0.6 | 0.168 | 0.0033 |
| 8-Jun-09 | 4 | 0.0092 | 0.0012 |
| 13-Jul-09 | 13 | 0.033 | 0.0009 |
| 17-Aug-09 | 18.0 | 0.0272 | 0.00059 |
| 2-Sep-09 | 12.0 | 0.0169 | 0.00060 |
| 5-Oct-09 | 13.0 | 0.0189 | 0.00050 |
| 4-Nov-09 | 20.0 | 0.0284 | 0.00040 |
| 1-Dec-09 | 25.0 | 0.0239 | 0.00040 |
| 11-Jan-10 | 29.0 | 0.0237 | 0.00040 |
| 22-Feb-10 | 28.0 | 0.0247 | 0.00030 |
| 10-Mar-10 | 31.0 | 0.0255 | 0.00030 |
| 14-Apr-10 | 28.0 | 0.0311 | 0.00050 |
| 3-May-10 | 4.5 | 0.0162 | 0.00230 |
| 4-Jun-10 | 6.6 | 0.0082 | 0.00090 |
| 8-Jul-10 | 15.0 | 0.0078 | 0.00080 |
| 3-Aug-10 | 15.0 | 0.0097 | 0.00060 |
| 2-Sep-10 | 13.0 | 0.0144 | 0.00050 |
| 18-Oct-10 | 19.0 | 0.0142 | 0.00040 |
| 9-Nov-10 | 25.0 | 0.0218 | 0.00050 |
| 1-Dec-10 | 29.0 | 0.0194 | 0.00040 |
| Trigger | 14.8^a/29.5^b | 0.06 | 0.028 |

Note: Italic = Exceeds Trigger Value; a: Open Water Trigger Value; b: Winter Trigger Value
 Shaded numbers are "less than" the value indicated

| Station | Date | Field Parameters | | | Physical Tests | | Anions | | Dissolved Metals | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|------------|------------------|--------------|-----------|----------------|--------------|----------|------------|------------------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|-----------|
| | | Acid(pH8.3) mg/L | COND μmho/cm | TEMP-C °C | COND μmho/cm | CaCO3-d mg/L | ALK mg/L | SO4-d mg/L | Ag-d mg/L | Al-d mg/L | As-d mg/L | Ba-d mg/L | B-d mg/L | Be-d mg/L | Bi-d mg/L | Ca-d mg/L | Cd-d mg/L | Co-d mg/L | Cr-d mg/L | Cu-d mg/L | Fe-d mg/L | Hg-d mg/L | K-d mg/L | Li-d mg/L | Mg-d mg/L | Mn-d mg/L | Mo-d mg/L | Na-d mg/L | Ni-d mg/L | Pb-d mg/L | Sb-d mg/L | Se-d mg/L | Si-d mg/L | Sn-d mg/L | Sr-d mg/L | Ti-d mg/L | Tl-d mg/L | U-d mg/L | V-d mg/L | Zn-d mg/L |
| P09-SIS1 | 11/3/2009 | 337 | 7670.0 | | 7280.0 | 6320 | 250.00 | 6800 | <0.0001 | 0.0120 | 0.0115 | 0.0591 | <1 | <0.0002 | <0.0001 | 0.6420 | 0.0097 | 0.0652 | <0.002 | 0.0020 | 50.1000 | 12.00 | 0.170 | 1140.0 | 54.4000 | <0.001 | 52.00 | 0.7030 | 0.0002 | <0.0004 | <0.0008 | 11.6000 | <0.0002 | 2.2800 | <0.01 | <0.0004 | 0.0015 | <0.004 | 150.0000 | <0.002 |
| | 7/25/2010 | 1090 | 9050.0 | | 9670.0 | 8020 | 170.00 | 11000 | 0.0005 | 0.0480 | 0.0020 | 0.0300 | <0.5 | <0.001 | <0.01 | 0.1480 | 0.1480 | 1.0500 | <0.01 | 0.0030 | 3.8300 | 17.10 | 0.225 | 1660.0 | 169.0000 | <0.01 | 48.70 | 3.8700 | <0.002 | <0.005 | <0.001 | 12.0000 | <0.05 | 2.4100 | <0.05 | <0.0005 | <0.001 | <0.05 | 670.0000 | <0.005 |
| | 11/2/2010 | 462 | >3999.0 | | 8110.0 | 7950 | 300.00 | 7800 | 0.0000 | 0.0410 | 0.0020 | 0.0360 | 0.1050 | <0.0001 | <0.001 | 0.6420 | 0.0731 | 0.6760 | <0.001 | 0.0015 | 20.3000 | 15.30 | 0.195 | 1540.0 | 119.0000 | 0.0030 | 52.80 | 2.2800 | 0.0030 | <0.0005 | <0.0001 | 12.8000 | <0.005 | 2.6800 | <0.005 | <0.0005 | 0.0064 | <0.005 | 448.0000 | <0.0005 |
| P09-SIS2 | 11/3/2009 | 1140 | 8660.0 | | 8270.0 | 7210 | 170.00 | 8700 | 0.0008 | 0.0480 | <0.002 | 0.0330 | <5 | <0.001 | <0.0005 | 0.5600 | 0.1210 | 0.3720 | <0.01 | 0.0120 | 3.0900 | 15.00 | 0.222 | 1410.0 | 130.0000 | <0.005 | 53.00 | 3.0900 | 0.0041 | <0.002 | <0.004 | 13.8000 | <0.001 | 2.5300 | <0.05 | <0.0002 | 0.0033 | <0.02 | 586.0000 | <0.01 |
| | 6/9/2010 | 992 | >3999.0 | | 9950.0 | 9130 | 160.00 | 11000 | <0.0005 | 0.0570 | <0.002 | 0.0260 | <5 | <0.001 | <0.0005 | 0.4980 | 0.2500 | 1.2700 | <0.01 | 0.0100 | 1.1600 | 17.00 | 0.234 | 1920.0 | 165.0000 | 0.0100 | 59.00 | 4.3400 | 0.0015 | <0.002 | <0.004 | 12.1000 | <0.001 | 2.4000 | <0.05 | <0.0002 | 0.0056 | <0.02 | 826.0000 | <0.01 |
| | 7/24/2010 | 1070 | 9180.0 | | 8730.0 | 6990 | 180.00 | 8400 | 0.0004 | 0.2340 | 0.0040 | 0.0270 | <0.5 | <0.001 | <0.01 | 0.4220 | 0.1720 | 0.9140 | <0.01 | 0.0100 | 1.9000 | 16.30 | 0.223 | 1440.0 | 141.0000 | <0.01 | 49.70 | 3.2900 | <0.002 | <0.005 | <0.001 | 11.9000 | <0.05 | 2.2300 | <0.05 | <0.0005 | 0.0050 | <0.05 | 566.0000 | <0.005 |
| | 9/13/2010 | 830 | 9480.0 | | 9190.0 | 7800 | 200.00 | 9700 | 0.0004 | <0.03 | 0.0020 | 0.0250 | <0.5 | <0.001 | <0.01 | 0.4970 | 0.2190 | 1.2300 | <0.01 | 0.3170 | 1.5200 | 16.80 | 0.200 | 1590.0 | 163.0000 | <0.01 | 51.90 | 3.8300 | <0.002 | <0.005 | <0.001 | 12.7000 | <0.05 | 2.4900 | <0.05 | <0.0005 | 0.0060 | <0.05 | 666.0000 | <0.005 |
| | 11/2/2010 | 917 | >3999.0 | | 9340.0 | 7270 | 190.00 | 8800 | 0.0006 | <0.06 | <0.002 | 0.0280 | <1 | <0.002 | <0.02 | 0.4590 | 0.2490 | 1.1800 | <0.02 | 0.0070 | 1.1300 | 15.00 | 0.184 | 1490.0 | 149.0000 | <0.02 | 44.00 | 3.5600 | <0.004 | <0.01 | <0.002 | 12.9000 | <0.1 | 2.1100 | <0.1 | <0.001 | 0.0060 | <0.1 | 667.0000 | <0.01 |
| P09-SIS3 | 11/3/2009 | 780 | 7910.0 | | 7600.0 | 6210 | 180.00 | 7600 | <0.0005 | 0.0260 | <0.002 | 0.0200 | <5 | <0.001 | <0.0005 | 0.4850 | 0.1090 | 0.0395 | <0.01 | 0.0200 | 3.3700 | 13.00 | 0.183 | 1220.0 | 112.0000 | <0.005 | 43.00 | 2.9100 | 0.0019 | <0.002 | <0.004 | 12.9000 | <0.001 | 2.1300 | <0.05 | <0.0002 | 0.0064 | <0.02 | 530.0000 | <0.01 |
| | 6/9/2010 | 1160 | >3999.0 | | 10000.0 | 8010 | 180.00 | 11000 | 0.0008 | 0.0360 | <0.001 | 0.0210 | <0.5 | <0.001 | <0.01 | 0.4920 | 0.2170 | 0.5170 | <0.01 | 0.0190 | 0.2130 | 15.40 | 0.207 | 1650.0 | 180.0000 | <0.01 | 45.40 | 4.4000 | <0.002 | <0.005 | <0.001 | 13.0000 | <0.05 | 2.4900 | <0.05 | <0.0005 | 0.0050 | <0.05 | 883.0000 | <0.005 |
| | 7/24/2010 | 860 | 4160.0 | | 7720.0 | 5820 | 170.00 | 7200 | 0.0004 | 0.2050 | 0.0020 | 0.0240 | <0.5 | <0.001 | <0.01 | 0.3410 | 0.1410 | 0.3050 | <0.01 | 0.0170 | 0.2660 | 15.00 | 0.201 | 1210.0 | 101.0000 | <0.01 | 41.40 | 2.9000 | <0.002 | <0.005 | <0.001 | 12.1000 | <0.05 | 1.9800 | <0.05 | <0.0005 | 0.0030 | <0.05 | 493.0000 | <0.005 |
| | 9/14/2010 | 913 | 9580.0 | | 9500.0 | 7850 | 190.00 | 9500 | 0.0006 | <0.03 | <0.001 | 0.0250 | <0.5 | <0.001 | <0.01 | 0.4830 | 0.2470 | 0.6640 | <0.01 | 0.0220 | 0.1840 | 17.30 | 0.200 | 1610.0 | 176.0000 | <0.01 | 47.50 | 4.2100 | <0.002 | <0.005 | <0.001 | 13.8000 | <0.05 | 2.4700 | <0.05 | <0.0005 | 0.0040 | <0.05 | 722.0000 | <0.005 |
| | 11/2/2010 | 908 | >3999.0 | | 9020.0 | 7140 | 180.00 | 9300 | 0.0005 | <0.06 | <0.002 | 0.0220 | <1 | <0.002 | <0.02 | 0.4360 | 0.2380 | 0.6510 | <0.02 | 0.0210 | 0.2140 | 15.00 | 0.183 | 1470.0 | 148.0000 | <0.02 | 42.00 | 3.6700 | <0.004 | <0.01 | <0.002 | 13.1000 | <0.1 | 2.0700 | <0.1 | <0.001 | 0.0040 | <0.1 | 669.0000 | <0.01 |
| P09-SIS4 | 11/3/2009 | 607 | 7050.0 | | 6490.0 | 5460 | 280.00 | 6000 | <0.0003 | 0.0280 | 0.0060 | 0.0170 | <3 | <0.0005 | <0.0003 | 0.5050 | 0.0612 | 0.0095 | <0.005 | 0.0140 | 0.0560 | 11.70 | 0.130 | 1020.0 | 74.1000 | <0.003 | 37.90 | 1.8700 | 0.0010 | 0.0020 | <0.002 | 14.1000 | <0.0005 | 2.1500 | <0.03 | <0.0001 | 0.0072 | <0.01 | 285.0000 | <0.005 |
| P09-SIS5 | 11/3/2009 | 29 | | | 5150.0 | 3820 | 300.00 | 4000 | <0.00003 | 0.0110 | 0.0073 | 0.0233 | <0.3 | <0.00005 | <0.00003 | 0.5070 | 0.0005 | 0.0989 | <0.0005 | 0.0011 | 1.3500 | 9.38 | 0.071 | 621.0 | 43.8000 | 0.0040 | 135.00 | 0.1620 | 0.0003 | 0.0007 | <0.0002 | 12.5000 | 0.0002 | 2.2900 | <0.003 | 0.0001 | 0.0216 | 0.0020 | 7.3900 | 0.0008 |
| P09-SIS6 | 11/3/2009 | 43 | 5190.0 | | 4910.0 | 4010 | 520.00 | 3700 | <0.00003 | 0.0050 | 0.0025 | 0.0193 | <0.3 | <0.00005 | <0.00003 | 0.5590 | 0.0048 | 0.0323 | <0.0005 | 0.0027 | 0.0380 | 10.70 | 0.090 | 635.0 | 28.0000 | 0.0020 | 44.30 | 0.2790 | 0.0012 | 0.0005 | <0.0002 | 11.7000 | 0.0002 | 1.9800 | <0.003 | 0.0000 | 0.0129 | <0.001 | 14.2000 | <0.0005 |
| P96-6 | 9/25/1996 | 144 | | 2.3 | 543.0 | | 228.00 | 108 | <0.003 | 0.0600 | <0.02 | 0.0750 | | 0.0030 | <0.04 | 0.0674 | 0.0030 | <0.005 | 0.0110 | 3.5300 | <0.02 | | 22.7 | 0.3100 | <0.002 | 10.00 | 0.0310 | <0.02 | <0.03 | | 10.3200 | | 0.3400 | <0.005 | | 0.5400 | | | | |
| | 5/13/1997 | | | | 820.0 | | 258.00 | 174 | <0.003 | 2.4300 | <0.02 | 0.1040 | 0.0800 | <0.001 | <0.04 | 0.1004 | <0.002 | 0.0110 | <0.005 | 0.0080 | 19.5900 | | | 36.8 | 0.8600 | <0.002 | 10.00 | 0.0210 | <0.02 | <0.03 | <0.03 | 12.3000 | <0.01 | 0.4480 | 0.0720 | <0.005 | 1.2600 | | | |
| | 9/22/1997 | | | 4.7 | 951.0 | | | 97 | <0.003 | <0.05 | 0.0400 | 0.0410 | 0.0700 | 0.0100 | <0.04 | 0.1049 | <0.002 | 0.0130 | <0.005 | 0.0130 | <0.01 | | 4.00 | 36.9 | 0.8800 | <0.002 | 11.00 | 0.0320 | <0.02 | <0.03 | <0.03 | 12.8000 | <0.01 | 0.5280 | 0.0070 | <0.005 | 1.2900 | | | |
| | 6/15/1998 | | | | | | | 250 | <0.003 | <0.05 | <0.02 | 0.0620 | <0.05 | 0.0010 | <0.04 | 0.1266 | <0.002 | <0.005 | <0.005 | 0.0040 | <0.01 | | 3.00 | 42.3 | 0.0800 | 0.0030 | 10.00 | 0.0140 | <0.02 | <0.03 | <0.03 | 9.1000 | <0.01 | 0.4390 | <0.005 | <0.005 | 0.3300 | | | |
| | 10/20/1998 | | | | | | | 254 | <0.003 | <0.05 | 0.0500 | 0.0240 | <0.05 | 0.0010 | <0.04 | 0.1472 | <0.002 | <0.005 | <0.005 | 0.0120 | <0.01 | | 4.00 | 51.7 | 0.0700 | 0.0090 | 11.00 | 0.0250 | <0.02 | <0.03 | <0.03 | 9.4000 | <0.01 | 0.5700 | <0.005 | <0.005 | 0.9800 | | | |
| | 12/21/1998 | | | | | | | 342 | <0.003 | <0.05 | 0.0100 | 0.0300 | 0.1100 | <0.001 | <0.04 | 0.1429 | <0.0070 | <0.005 | <0.005 | 0.0180 | <0.01 | <0.1 | 4.00 | 45.4 | 0.6300 | <0.002 | 9.00 | 0.0250 | <0.01 | <0.03 | <0.03 | 10.7000 | <0.01 | 0.5270 | 0.0090 | <0.005 | 0.9800 | | | |
| | 7/4/1999 | | | 3.0 | | | | 428 | <0.003 | 0.2000 | <0.005 | 0.0190 | 0.2000 | <0.001 | <0.04 | 0.1656 | 0.0020 | <0.005 | <0.005 | 0.0190 | 0.1400 | | 5.00 | 65.8 | 0.4800 | <0.002 | 12.00 | <0.005 | <0.01 | <0.03 | <0.03 | 14.4000 | <0.01 | 0.6240 | <0.005 | <0.005 | 0.7600 | | | |
| | 10/30/1999 | | | 1.0 | | | | 341 | <0.003 | <0.05 | <0.005 | 0.0580 | 0.0700 | <0.001 | <0.04 | 0.1443 | <0.001 | 0.0050 | <0.005 | <0.002 | <0.01 | | <1.0 | 48.0 | 0.0400 | <0.002 | 10.00 | <0.005 | <0.01 | <0.03 | <0.005 | 9.4000 | <0.01 | 0.5280 | <0.005 | <0.005 | 0.4100 | | | |
| | 7/25/2000 | | | 5.6 | | | | 207 | <0.003 | <0.05 | <0.005 | 0.1000 | <0.05 | 0.0020 | <0.05 | 0.1030 | 0.0060 | 0.0080 | <0.005 | 0.0120 | 0.2300 | | 5.00 | 33.0 | 0.7300 | <0.002 | 12.00 | 0.0500 | <0.01 | <0.03 | <0.005 | 11.8000 | <0.01 | 0.5680 | 0.0120 | 0.0130 | 2.7700 | | | |
| | 10/22/2000 | | | 1.3 | | | | 397 | <0.003 | 0.1100 | <0.005 | 0.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Faro Mine Complex
Table 6-3: S-Well Area
Historic Groundwater Quality (1996-2010)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|------------|--------|--------|---------|--------|------|----------|--------|---------|--------|--------|----------|--------|----------|---------|---------|--------|--------|----------|-------|--------|--------|---------|--------|--------|--------|---------|---------|--------|---------|--------|--------|---------|----------|----------|
| | 9/23/2004 | 0.7 | 1400.0 | 733.00 | 114.00 | 760 | <0.00025 | <0.05 | <0.005 | 0.0250 | <0.1 | <0.005 | 0.1970 | 0.0003 | <0.0025 | <0.0025 | <0.005 | 0.0330 | <0.0002 | <0.05 | 58.6 | 0.1250 | <0.005 | 41.20 | <0.025 | <0.005 | <0.0025 | <0.005 | <0.05 | <0.001 | <0.001 | <0.03 | 0.1090 | | |
| | 5/5/2005 | 955.0 | | 447.00 | 25.70 | 403 | <0.00025 | <0.05 | <0.005 | <0.04 | <0.2 | <0.01 | 0.1230 | <0.00025 | <0.0025 | <0.0025 | <0.005 | 0.0930 | <0.0002 | <0.1 | 33.8 | 0.0350 | <0.005 | 25.10 | <0.025 | <0.005 | <0.0025 | <0.005 | <0.1 | <0.001 | <0.001 | <0.06 | 0.0670 | | |
| | 9/12/2005 | 1119.0 | 1430.0 | 856.00 | 68.60 | 703 | <0.00025 | <0.05 | <0.005 | <0.04 | <0.2 | <0.01 | 0.2380 | 0.0004 | <0.0025 | <0.0025 | <0.005 | 0.1160 | <0.0002 | <0.1 | 63.4 | 0.0510 | <0.005 | 41.50 | <0.025 | <0.005 | <0.0025 | <0.005 | <0.1 | <0.001 | <0.001 | <0.06 | 0.0510 | | |
| | 6/5/2006 | 931.0 | 1420.0 | 744 | 161.00 | 585 | <0.0002 | 0.1680 | <0.005 | 0.0270 | <0.1 | <0.01 | 0.2020 | 0.0006 | <0.003 | <0.01 | <0.01 | 0.1900 | <0.00002 | 2.40 | <0.05 | 58.3 | 0.4710 | <0.01 | 33.90 | 0.0110 | <0.005 | <0.005 | <0.01 | <0.005 | <0.01 | <0.002 | 0.1120 | | |
| | 9/20/2006 | 1262.0 | 1360.0 | 818 | 167.00 | 471 | <0.0001 | <0.025 | <0.0025 | 0.0310 | <0.1 | <0.005 | 0.2230 | 0.0004 | <0.0015 | <0.005 | <0.005 | 0.0520 | <0.00002 | 3.00 | <0.025 | 63.1 | 0.1650 | <0.005 | 42.00 | 0.0080 | <0.0025 | <0.0025 | <0.005 | <0.0025 | <0.01 | <0.001 | 0.1240 | | |
| | 5/28/2007 | 6430.0 | 1580.0 | 1050 | 224.00 | 818 | <0.0001 | 0.0540 | <0.0025 | 0.0240 | <0.1 | <0.005 | 0.2920 | 0.0008 | <0.0015 | <0.005 | 0.0053 | 0.3240 | <0.00002 | 2.90 | <0.025 | 78.5 | 1.1500 | <0.005 | 35.70 | 0.0115 | <0.0025 | <0.0025 | <0.005 | <0.0025 | <0.01 | <0.001 | 0.0025 | 0.1240 | |
| | 10/3/2007 | | 1600.0 | 905 | 139.00 | 767 | <0.0001 | <0.025 | <0.0025 | 0.0290 | <0.1 | <0.005 | 0.2270 | 0.0008 | <0.0015 | <0.005 | <0.005 | 0.0320 | <0.00002 | 3.10 | <0.025 | 82.2 | 1.4800 | <0.005 | 35.60 | 0.0354 | <0.0025 | <0.0025 | <0.005 | <0.0025 | <0.01 | <0.001 | <0.001 | 3.5000 | |
| | 9/11/2009 | 1424.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| S2A | 6/13/1996 | 23 | 1222.0 | 517.00 | 69.00 | 808 | <0.003 | 0.3400 | <0.02 | 0.0630 | 0.0070 | <0.04 | 0.2137 | <0.002 | <0.005 | <0.005 | 0.0150 | 0.1700 | <0.02 | | 66.0 | 1.5500 | <0.002 | 6.00 | <0.005 | <0.02 | <0.03 | | | 1.9400 | 0.8460 | <0.005 | <0.005 | 0.0400 | |
| | 9/27/1996 | 46 | 1521.0 | | 121.00 | 1367 | <0.003 | 0.9700 | <0.02 | 0.0860 | 0.0120 | <0.04 | 0.3539 | <0.002 | <0.005 | 0.0070 | 0.0390 | 0.1000 | <0.02 | | 104.0 | 0.9100 | <0.002 | 18.00 | 0.0060 | <0.02 | <0.03 | | | 6.4500 | 1.3570 | 0.0170 | 0.0080 | 0.0700 | |
| | 9/22/1997 | | 2490.0 | | | 505 | <0.003 | 0.2300 | <0.02 | 0.0510 | <0.05 | 0.0020 | <0.04 | 0.3886 | <0.002 | <0.005 | <0.005 | 0.0350 | 1.0900 | 4.00 | 96.1 | 3.0000 | <0.002 | 11.00 | 0.0060 | <0.02 | 0.0300 | <0.03 | 6.8000 | <0.01 | 1.4140 | 0.0280 | 0.0180 | 0.1200 | |
| | 6/15/1998 | | | | | 529 | <0.003 | 0.3200 | <0.02 | 0.0680 | <0.05 | 0.0020 | <0.04 | 0.3118 | <0.002 | <0.005 | <0.005 | 0.0210 | 0.9900 | 5.00 | 77.1 | 2.4300 | 0.0050 | 8.00 | <0.005 | <0.02 | <0.03 | <0.03 | 5.4000 | <0.01 | 1.0370 | 0.0190 | <0.005 | 0.0500 | |
| | 10/31/1998 | | | | 223.00 | 1069 | <0.003 | 0.1400 | <0.005 | 0.0550 | <0.05 | 0.0020 | <0.04 | 0.3798 | 0.0020 | 0.0130 | <0.005 | 0.0290 | 0.4200 | 5.00 | 89.4 | 5.3900 | <0.002 | 15.00 | 0.0240 | <0.01 | <0.03 | <0.03 | 7.2000 | <0.01 | 1.4170 | 0.0160 | <0.005 | 0.0500 | |
| | 7/3/1999 | | 2.0 | | | 1491 | <0.003 | 0.3800 | <0.005 | 0.0400 | 0.4400 | <0.01 | <0.04 | 0.3368 | <0.001 | <0.005 | <0.005 | 0.0340 | 0.4300 | 5.00 | 137.7 | 0.9400 | 0.0120 | 11.00 | <0.005 | <0.01 | <0.03 | <0.03 | 7.5000 | <0.01 | 1.4320 | <0.005 | <0.005 | 0.0400 | |
| | 10/31/1999 | | 0.0 | | | 1385 | <0.003 | 0.6100 | <0.005 | 0.1430 | <0.05 | <0.01 | <0.04 | 0.3763 | <0.001 | <0.005 | <0.005 | <0.002 | <0.01 | 6.00 | 95.7 | 4.1900 | <0.002 | 12.00 | <0.005 | <0.01 | <0.03 | <0.005 | 4.8000 | <0.01 | 1.4110 | <0.005 | <0.005 | 0.0400 | |
| | 7/25/2000 | | 4.2 | | | 1408 | <0.003 | 0.1600 | <0.005 | 0.0700 | <0.05 | 0.0030 | <0.05 | 0.4044 | 0.0070 | 0.0160 | <0.005 | 0.0380 | 0.5600 | 7.00 | 102.7 | 3.4100 | <0.002 | 14.00 | 0.0350 | <0.01 | <0.03 | <0.005 | 5.8000 | <0.01 | 1.4660 | 0.0340 | 0.0070 | 0.3100 | |
| | 10/22/2000 | | 1.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 6/6/2001 | 1814.0 | 4.8 | 1325.00 | | 1263 | <0.003 | 0.1100 | <0.005 | 0.1700 | 0.1100 | <0.01 | <0.05 | 0.2569 | 0.0030 | <0.005 | 0.0160 | <0.002 | 1.4700 | 6.00 | 164.7 | 3.0300 | <0.002 | 14.00 | <0.005 | 0.0200 | <0.03 | <0.005 | 8.4000 | <0.01 | 1.0270 | <0.005 | <0.005 | 0.7600 | |
| | 6/12/2002 | | | 3480.0 | 152.00 | 2190 | <0.0001 | 0.0400 | <0.003 | 0.0600 | <0.1 | <0.005 | 0.4980 | 0.0036 | 0.0050 | <0.005 | <0.005 | 4.4300 | <0.0005 | 10.00 | 0.080 | 433.0 | 20.1000 | <0.005 | 21.00 | 0.3910 | <0.003 | 0.0060 | <0.005 | <0.003 | <0.001 | 0.0040 | <0.03 | 22.2000 | |
| | 9/25/2002 | 4780.0 | | 3390.00 | 198.00 | 4120 | <0.0002 | 0.5900 | <0.005 | 0.0300 | <0.1 | <0.01 | 0.5260 | 0.0070 | 0.0050 | <0.01 | <0.01 | 2.5500 | <0.00005 | 8.00 | 0.090 | 505.0 | 27.5000 | <0.01 | 22.00 | 0.5700 | <0.005 | <0.005 | <0.01 | <0.005 | 0.0060 | <0.03 | 39.7000 | | |
| | 6/6/2003 | 4325.0 | 3110.0 | 3140.00 | 260.00 | 2400 | <0.0002 | <0.05 | <0.005 | <0.02 | <0.1 | <0.01 | 0.4480 | 0.0081 | 0.0040 | <0.01 | <0.01 | 0.9900 | <0.00005 | 8.00 | 0.100 | 490.0 | 28.3000 | <0.01 | 23.00 | 0.6000 | <0.005 | <0.005 | <0.01 | <0.005 | <0.01 | <0.002 | 48.5000 | | |
| | 9/25/2003 | 3448.0 | 3260.0 | 3790.00 | 233.00 | 2410 | <0.0004 | 0.1000 | <0.01 | <0.02 | <0.1 | <0.02 | 0.5150 | 0.0120 | 0.0060 | <0.02 | <0.02 | 1.1700 | <0.00005 | 10.00 | 0.100 | 607.0 | 47.6000 | <0.02 | 23.00 | 0.9400 | <0.01 | <0.01 | <0.02 | <0.01 | <0.004 | 0.0060 | <0.03 | 92.6000 | |
| | 6/10/2004 | 2026.0 | 5440.0 | 4160.00 | 193.00 | 4340 | <0.001 | <0.2 | <0.02 | <0.02 | <0.1 | <0.005 | 0.5330 | 0.0143 | <0.01 | <0.01 | <0.02 | 0.4890 | <0.0002 | | 0.122 | 688.0 | 54.5000 | <0.02 | 24.40 | 1.1100 | <0.02 | <0.01 | <0.02 | <0.05 | <0.004 | 0.0059 | <0.03 | 113.0000 | |
| | 9/23/2004 | 1.3 | 5500.0 | 4280.00 | 178.00 | 4610 | <0.0025 | <0.5 | <0.05 | <0.02 | <0.1 | <0.005 | 0.5180 | 0.0166 | <0.025 | <0.025 | <0.05 | 1.7200 | <0.0002 | | 0.134 | 726.0 | 58.1000 | <0.05 | 31.60 | 1.4500 | <0.05 | <0.025 | <0.05 | <0.05 | <0.01 | <0.01 | <0.03 | 124.0000 | |
| | 5/5/2005 | 4107.0 | | 3760.00 | 213.00 | 1860 | <0.0025 | <0.5 | <0.05 | <0.04 | <0.2 | <0.01 | 0.5020 | 0.0149 | <0.025 | <0.025 | <0.05 | 1.1600 | <0.0002 | | 0.120 | 609.0 | 50.8000 | <0.05 | 30.50 | 1.1700 | <0.05 | <0.025 | <0.05 | <0.1 | <0.01 | <0.01 | <0.06 | 127.0000 | |
| | 9/12/2005 | 1412.0 | 5440.0 | 4100.00 | 191.00 | 3910 | <0.0025 | <0.5 | <0.05 | <0.1 | <0.5 | <0.025 | 0.4980 | 0.0188 | <0.025 | <0.025 | <0.05 | 1.1900 | <0.0002 | | <0.25 | 694.0 | 67.5000 | <0.05 | 34.00 | 1.6100 | <0.05 | <0.025 | <0.05 | <0.25 | <0.01 | <0.01 | <0.15 | 178.0000 | |
| | 6/6/2006 | 5.2 | 5930.0 | 4430 | 210.00 | 4650 | <0.001 | <0.25 | <0.025 | <0.04 | <0.2 | <0.05 | 0.5120 | 0.0205 | 0.0180 | <0.05 | <0.05 | 1.3600 | <0.00002 | 9.60 | <0.25 | 766.0 | 77.5000 | <0.05 | 32.40 | 1.7300 | <0.025 | <0.025 | <0.05 | <0.025 | <0.01 | <0.01 | <0.16 | 202.0000 | |
| | 9/20/2006 | 5380.0 | 5840.0 | 4780 | 216.00 | 6280 | <0.0004 | <0.1 | <0.01 | <0.06 | <0.3 | <0.02 | 0.6070 | 0.0174 | 0.0180 | <0.02 | <0.02 | 4.6400 | <0.00002 | 10.70 | 0.140 | 794.0 | 83.8000 | <0.02 | 37.70 | 1.4900 | <0.01 | <0.01 | <0.02 | <0.01 | <0.03 | <0.004 | 0.0057 | <0.09 | 192.0000 |
| | 5/28/2007 | 5200.0 | 5280.0 | 4210 | 228.00 | 4450 | <0.001 | <0.25 | <0.025 | <0.04 | <0.2 | <0.05 | 0.5040 | 0.0243 | 0.0240 | <0.05 | <0.05 | 0.2360 | <0.00002 | 10.60 | <0.25 | 718.0 | 78.8000 | <0.05 | 23.50 | 1.6900 | <0.025 | <0.025 | <0.05 | <0.025 | <0.02 | <0.01 | <0.06 | 207.0000 | |
| | 10/3/2007 | 6680.0 | 6400.0 | 4810 | 229.00 | 4790 | <0.002 | <0.5 | <0.05 | <0.04 | <0.2 | <0.1 | 0.5040 | 0.0247 | <0.03 | <0.1 | <0.1 | 1.2100 | <0.00002 | 12.10 | <0.5 | 862.0 | 85.2000 | <0.1 | 27.90 | 1.8900 | <0.05 | <0.05 | <0.1 | <0.05 | <0.02 | <0.02 | <0.1 | 241.0000 | |
| | 5/30/2009 | | 2540.0 | 1750 | 410.00 | 1300 | <0.00003 | 0.0120 | 0.0003 | 0.0144 | <0.3 | <0.00005 | 0.3870 | 0.0021 | 0.0111 | <0.0005 | 0.0007 | 2.7400 | | 7.05 | 0.051 | | | | | | | | | | | | | | |

Faro Mine Complex
Table 6-3: S-Well Area
Historic Groundwater Quality (1996-2010)

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|-----------|--------|--------|--------|--------|----------|----------|---------|---------|--------|---------|---------|----------|--------|----------|--------|---------|---------|---------|----------|-------|-------|--------|---------|---------|--------|--------|----------|----------|----------|---------|----------|---------|----------|----------|--------|---------|----------|---------|
| | 10/3/2007 | | 1050.0 | 598 | 365.00 | 249 | <0.00004 | <0.01 | 0.0102 | 0.0330 | <0.1 | <0.002 | | 0.1550 | 0.0002 | 0.0037 | <0.002 | <0.002 | 8.4300 | <0.00002 | 4.50 | 0.034 | 51.4 | 0.7790 | <0.002 | 9.20 | 0.0104 | <0.001 | <0.001 | <0.002 | <0.001 | <0.01 | <0.0004 | 0.0014 | <0.002 | 0.2180 | | | |
| | 9/11/2009 | 1040.0 | 1120.0 | 640 | 380.00 | 280 | <0.00003 | 0.0080 | 0.0121 | 0.0578 | <0.3 | 0.0001 | <0.00003 | 0.1520 | 0.0001 | 0.0015 | <0.0005 | <0.0003 | 12.1000 | | 5.22 | 0.032 | 63.4 | 0.5290 | 0.0012 | 13.40 | 0.0045 | <0.00003 | <0.0001 | 0.0122 | 11.4000 | <0.00005 | 0.6490 | 0.0040 | <0.00001 | 0.0081 | <0.001 | 0.1670 | <0.0005 |
| | 9/14/2010 | 1050.0 | 996.0 | 540 | 340.00 | 170 | <0.00002 | 0.0120 | 0.0148 | 0.0570 | <0.05 | <0.0001 | <0.0001 | 0.1280 | 0.0001 | 0.0024 | <0.001 | 0.0007 | 17.2000 | | 4.90 | | 53.6 | 0.6590 | <0.001 | 10.20 | 0.0070 | 0.0008 | <0.0005 | 0.0027 | 12.4000 | <0.0005 | 0.6430 | <0.0005 | <0.00005 | 0.0024 | <0.005 | 0.3420 | <0.0005 |
| SRK05-SP2 | 6/6/2006 | 331.0 | 333.0 | 167 | 141.00 | 40.4 | <0.00002 | 0.0104 | <0.0005 | 0.0550 | <0.1 | <0.001 | | 0.0461 | 0.0001 | 0.0023 | <0.001 | <0.001 | <0.03 | <0.00002 | <2.0 | 0.012 | 12.7 | 0.9460 | <0.001 | 6.40 | 0.0042 | <0.0005 | <0.0005 | <0.001 | <0.0005 | <0.001 | <0.0005 | <0.01 | <0.0002 | 0.0008 | <0.03 | 0.1290 | |
| | 9/20/2006 | 315.1 | 339.0 | 192 | 156.00 | 44.6 | <0.00002 | 0.0124 | <0.0005 | 0.0620 | <0.1 | <0.001 | | 0.0515 | 0.0001 | 0.0022 | <0.001 | <0.001 | <0.03 | <0.00002 | <2.0 | 0.011 | 15.3 | 0.9300 | <0.001 | 7.10 | 0.0037 | <0.0005 | <0.0005 | <0.001 | <0.0005 | <0.001 | <0.0005 | <0.01 | <0.0002 | 0.0006 | <0.03 | 0.1260 | |
| | 5/29/2007 | 320.0 | 270.0 | 163 | 129.00 | 41.6 | <0.00002 | 0.0206 | <0.0005 | 0.0390 | <0.1 | <0.001 | | 0.0454 | 0.0001 | 0.0025 | <0.001 | <0.001 | 0.0500 | <0.00002 | <2.0 | 0.012 | 12.1 | 0.9060 | <0.001 | 5.70 | 0.0041 | <0.0005 | <0.0005 | <0.001 | <0.0005 | <0.001 | <0.0005 | <0.01 | <0.0002 | 0.0007 | <0.03 | 0.1280 | |
| | 10/3/2007 | | 320.0 | 155 | 132.00 | 33.7 | <0.00002 | 0.0118 | <0.0005 | 0.0430 | <0.1 | <0.001 | | 0.0444 | 0.0001 | 0.0021 | <0.001 | <0.001 | 0.0400 | <0.00002 | <2.0 | 0.010 | 10.6 | 0.8620 | <0.001 | 5.50 | 0.0034 | <0.0005 | <0.0005 | <0.001 | <0.0005 | <0.001 | <0.0005 | <0.01 | <0.0002 | 0.0006 | <0.001 | 0.1050 | |
| | 9/11/2009 | 250.0 | 294.0 | 139 | 120.00 | 38 | <0.00002 | 0.0120 | <0.0001 | 0.0413 | <0.05 | 0.0000 | <0.00002 | 0.0393 | 0.0001 | 0.0027 | <0.0001 | 0.0005 | 0.0280 | | 1.44 | 0.010 | 9.9 | 0.9090 | 0.0001 | 5.24 | 0.0037 | 0.0001 | <0.00002 | <0.00004 | 6.8600 | <0.00001 | 0.1810 | <0.0005 | 0.0000 | 0.0007 | <0.0002 | 0.1070 | <0.0001 |
| 9/14/2010 | 370.0 | 379.0 | 185 | 150.00 | 42 | <0.00002 | 0.0120 | <0.0001 | 0.0590 | <0.05 | <0.0001 | <0.0001 | 0.0522 | 0.0002 | 0.0044 | <0.001 | 0.0009 | 0.0340 | | 2.07 | | 13.3 | 1.3900 | <0.001 | 6.29 | 0.0060 | 0.0004 | <0.0005 | <0.0001 | 7.7300 | <0.0005 | 0.2610 | <0.0005 | <0.00005 | 0.0011 | <0.005 | 0.1710 | <0.0005 | |
| SRK05-SP3A | 6/6/2006 | 562.0 | 960.0 | 505 | 316.00 | 268 | <0.00004 | 0.0460 | 0.0021 | 0.0270 | <0.1 | <0.002 | | 0.1180 | <0.00003 | 0.0040 | <0.002 | <0.002 | 20.1000 | <0.00002 | 3.40 | 0.050 | 50.9 | 8.9500 | <0.002 | 10.30 | 0.0133 | <0.001 | <0.001 | <0.002 | <0.001 | <0.0004 | 0.0017 | <0.03 | 1.0200 | | | | |
| | 9/20/2006 | 920.0 | 958.0 | 611 | 324.00 | 239 | <0.00004 | 0.0390 | 0.0021 | 0.0330 | <0.1 | <0.002 | | 0.1430 | 0.0000 | 0.0038 | <0.002 | <0.002 | 25.1000 | <0.00002 | 4.40 | 0.049 | 61.8 | 0.8490 | <0.002 | 12.40 | 0.0120 | <0.001 | <0.001 | <0.002 | <0.001 | <0.0004 | 0.0017 | <0.03 | 1.0200 | | | | |
| | 5/28/2007 | 1048.0 | 951.0 | 570 | 304.00 | 327 | <0.00004 | 0.0420 | 0.0017 | <0.02 | <0.1 | <0.002 | | 0.1360 | <0.00003 | 0.0044 | <0.002 | <0.002 | 21.4000 | <0.00002 | 3.70 | 0.054 | 56.2 | 0.8970 | <0.002 | 9.30 | 0.0140 | <0.001 | <0.001 | <0.002 | <0.001 | <0.0004 | 0.0018 | <0.03 | 1.0700 | | | | |
| | 10/3/2007 | | 1130.0 | 624 | 322.00 | 295 | <0.00004 | 0.0320 | 0.0020 | 0.0230 | <0.1 | <0.002 | | 0.1500 | 0.0000 | 0.0042 | <0.002 | <0.002 | 22.5000 | <0.00002 | 4.70 | 0.050 | 60.6 | 0.9470 | <0.002 | 10.80 | 0.0132 | <0.001 | <0.001 | <0.002 | <0.001 | <0.0004 | 0.0017 | <0.02 | 1.0000 | | | | |
| | 9/11/2009 | 1300.0 | 1340.0 | 756 | 310.00 | 470 | <0.00003 | 0.0390 | 0.0020 | 0.0194 | <0.3 | 0.0010 | <0.00003 | 0.1810 | 0.0000 | 0.0054 | <0.0005 | 0.0010 | 28.1000 | | 4.62 | 0.056 | 73.9 | 1.1500 | <0.0003 | 10.40 | 0.0177 | 0.0002 | <0.0001 | <0.0002 | 13.1000 | <0.00005 | 0.7450 | <0.003 | <0.00001 | 0.0022 | <0.001 | 1.4000 | <0.0005 |
| 9/14/2010 | 1430.0 | 1410.0 | 779 | 290.00 | 490 | <0.00002 | 0.0380 | 0.0021 | 0.0170 | <0.05 | 0.0009 | <0.0001 | 0.1860 | 0.0001 | 0.0058 | <0.001 | <0.0002 | 28.4000 | | 4.94 | | 76.1 | 1.2700 | <0.001 | 10.20 | 0.0180 | 0.0004 | <0.0005 | <0.0001 | 12.7000 | <0.0005 | 0.8310 | <0.005 | <0.00005 | 0.0021 | <0.005 | 1.4700 | <0.0005 | |
| SRK05-SP3B | 6/6/2006 | 530.0 | 920.0 | 511 | 283.00 | 263 | <0.00004 | 0.0370 | 0.0010 | 0.0230 | <0.1 | <0.002 | | 0.1240 | 0.0001 | 0.0054 | <0.002 | <0.002 | 9.0100 | <0.00002 | 4.50 | 0.049 | 48.9 | 0.8430 | <0.002 | 9.30 | 0.0137 | <0.001 | <0.001 | <0.002 | <0.001 | <0.0004 | 0.0018 | <0.03 | 0.7570 | | | | |
| | 9/20/2006 | 886.0 | 945.0 | 610 | 332.00 | 257 | <0.00004 | 0.0270 | <0.001 | 0.0270 | <0.1 | <0.002 | | 0.1480 | 0.0001 | 0.0050 | <0.002 | <0.002 | 11.4000 | <0.00002 | 5.40 | 0.049 | 58.4 | 0.8470 | <0.002 | 10.30 | 0.0131 | <0.001 | <0.001 | <0.002 | <0.001 | <0.0004 | 0.0019 | <0.03 | 0.7500 | | | | |
| | 5/28/2007 | 957.0 | 874.0 | 563 | 284.00 | 277 | <0.00004 | 0.0680 | <0.001 | <0.02 | <0.1 | <0.002 | | 0.1380 | 0.0001 | 0.0056 | <0.002 | <0.002 | 10.2000 | <0.00002 | 4.80 | 0.054 | 52.9 | 0.9140 | <0.002 | 8.50 | 0.0152 | <0.001 | <0.001 | <0.002 | <0.001 | <0.0004 | 0.0020 | <0.03 | 0.7830 | | | | |
| | 10/3/2007 | | 1060.0 | 586 | 313.00 | 285 | <0.00004 | 0.0210 | <0.001 | <0.02 | <0.1 | <0.002 | | 0.1470 | 0.0001 | 0.0057 | <0.002 | <0.002 | 9.7600 | <0.00002 | 5.10 | 0.049 | 53.4 | 0.9960 | <0.002 | 8.60 | 0.0154 | <0.001 | <0.001 | <0.002 | <0.001 | <0.0004 | 0.0019 | <0.002 | 0.7440 | | | | |
| | 9/11/2009 | 1120.0 | 1170.0 | 622 | 280.00 | 380 | <0.00003 | 0.0560 | 0.0006 | 0.0199 | <0.3 | 0.0007 | <0.00003 | 0.1580 | 0.0001 | 0.0090 | <0.0005 | <0.0003 | 23.7000 | | 5.15 | 0.062 | 55.2 | 1.6100 | <0.0003 | 9.74 | 0.0268 | 0.0003 | <0.0001 | <0.0002 | 11.2000 | <0.00005 | 0.6760 | <0.003 | <0.00001 | 0.0016 | <0.001 | 1.5500 | <0.0005 |
| 9/14/2010 | 1330.0 | 1190.0 | 616 | 290.00 | 320 | <0.00002 | 0.0520 | 0.0007 | 0.0180 | <0.05 | 0.0006 | <0.0001 | 0.1550 | 0.0001 | 0.0086 | <0.001 | 0.0005 | 30.1000 | | 5.43 | | 55.6 | 1.6900 | <0.001 | 9.98 | 0.0250 | 0.0007 | <0.0005 | <0.0001 | 13.2000 | <0.0005 | 0.6680 | <0.005 | <0.00005 | 0.0016 | <0.005 | 1.6600 | <0.0005 | |
| SRK05-SP4A | 6/6/2006 | 758.0 | 730.0 | 382 | 254.00 | 179 | <0.00004 | 0.0450 | 0.0050 | 0.0280 | <0.1 | <0.002 | | 0.0937 | <0.00003 | 0.0098 | <0.002 | <0.002 | 18.9000 | <0.00002 | 3.60 | 0.060 | 36.0 | 1.1200 | <0.002 | 9.70 | 0.0219 | <0.001 | <0.001 | <0.002 | <0.001 | <0.0004 | <0.0004 | <0.03 | 1.0400 | | | | |
| | 9/20/2006 | 707.0 | 723.0 | 518 | 254.00 | 173 | <0.00004 | 0.0330 | 0.0048 | 0.0370 | <0.1 | <0.002 | | 0.1270 | <0.00003 | 0.0089 | <0.002 | <0.002 | 27.1000 | <0.00002 | 4.80 | 0.055 | 48.8 | 1.0600 | <0.002 | 12.30 | 0.0195 | <0.001 | <0.001 | <0.002 | <0.001 | <0.0004 | <0.0004 | <0.03 | 0.9950 | | | | |
| | 5/28/2007 | 965.0 | 915.0 | 523 | 251.00 | 292 | <0.00001 | <0.025 | 0.0029 | 0.0260 | <0.1 | <0.005 | | 0.1320 | <0.00008 | 0.0262 | <0.005 | <0.005 | 8.9500 | <0.00002 | 4.50 | 0.151 | 46.9 | 2.9200 | <0.005 | 9.70 | 0.0535 | <0.0025 | <0.0025 | <0.005 | <0.0025 | <0.01 | <0.001 | 0.0015 | <0.03 | 0.9510 | | | |
| | 10/3/2007 | | 1010.0 | 554 | 253.00 | 296 | <0.00004 | 0.0270 | 0.0045 | 0.0250 | <0.1 | <0.002 | | 0.1430 | 0.0001 | 0.0097 | <0.002 | <0.002 | 19.9000 | <0.00002 | 4.10 | 0.053 | 48.0 | 1.4100 | <0.002 | 9.10 | 0.0217 | <0.001 | <0.001 | <0.002 | <0.001 | <0.0004 | 0.0008 | <0.002 | 1.1600 | | | | |
| | 8/4/2009 | 368 | 5220.0 | 3920 | 240.00 | 3900 | <0.00008 | <0.01 | 0.0011 | 0.0250 | <0.2 | <0.0004 | <0.004 | 0.4200 | 0.0333 | 0.0720 | <0.004 | 0.0774 | 3.0300 | 0.0001 | 10.70 | 0.142 | 697.0 | 47.2000 | <0.004 | 37.60 | 1.1600 | <0.0008 | <0.002 | <0.0004 | 12.0000 | <0.02 | 1.5700 | <0.02 | <0.0002 | 0.0054 | <0.02 | 190.0000 | <0.002 |
| 9/10/2009 | 137 | 1353.0 | 793 | 310.00 | 450 | <0.00001 | 0.0260 | 0.0021 | 0.0150 | <0.1 | 0.0009 | <0.0001 | 0.1460 | 0.0027 | 0.0153 | <0.002 | <0.001 | 19.0000 | | 5.60 | 0.087 | 104.0 | 5.2500 | <0.004 | 12.80 | 1.1300 | 0.0002 | <0.0004 | <0.0008 | 16.4 | | | | | | | | | |

**Faro Mine Complex
Table 6-3: S-Wells Area
Historic Groundwater Quality (1996-2010)**

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|------------|-----|---------|--------|------|--------|------|----------|--------|---------|--------|-------|---------|---------|--------|--------|--------|--------|--------|---------|----------|-------|--------|----------|----------|--------|--------|---------|---------|---------|---------|---------|---------|--------|----------|---------|--------|----------|----------|--------|
| | 5/3/2010 | 230 | 3676.0 | 4340.0 | 3060 | 230.00 | 3400 | 0.0003 | 0.0110 | <0.0004 | 0.0163 | <1 | <0.0002 | <0.0001 | 0.3170 | 0.0297 | 0.1660 | <0.002 | 0.0020 | 1.8100 | 9.00 | 0.118 | 550.0 | 45.6000 | <0.001 | 25.00 | 1.0600 | 0.0004 | <0.0004 | <0.0008 | 9.3300 | <0.0002 | 1.2900 | <0.01 | 0.0001 | 0.0056 | <0.004 | 177.0000 | <0.002 | |
| | 6/13/2010 | 281 | 3794.0 | 3900.0 | 2820 | 190.00 | 2800 | 0.0001 | 0.0080 | 0.0002 | 0.0130 | <0.05 | <0.0001 | <0.001 | 0.2990 | 0.0277 | 0.1520 | <0.001 | 0.0024 | 2.0000 | 8.77 | 0.110 | 503.0 | 39.5000 | <0.001 | 22.90 | 0.8760 | 0.0007 | <0.0005 | <0.0001 | 12.0000 | <0.005 | 1.2100 | <0.005 | <0.00005 | 0.0045 | <0.005 | 148.0000 | <0.0005 | |
| | 7/10/2010 | 272 | 3587.0 | 3840.0 | 2700 | 220.00 | 2800 | <0.0001 | 0.0110 | <0.0004 | 0.0154 | <1 | <0.0002 | <0.0001 | 0.2630 | 0.0285 | 0.1720 | <0.002 | 0.0040 | 2.1400 | 9.00 | 0.098 | 497.0 | 40.1000 | <0.001 | 24.00 | 0.9340 | 0.0014 | <0.0004 | <0.0008 | 10.7000 | <0.0002 | 1.1400 | <0.01 | <0.00004 | 0.0040 | <0.004 | 163.0000 | <0.002 | |
| | 8/3/2010 | | 4390.0 | 3910.0 | 2550 | 220.00 | 2800 | <0.0001 | 0.0140 | 0.0005 | 0.0152 | <1 | <0.0002 | <0.0001 | 0.2510 | 0.0291 | 0.1780 | <0.002 | 0.0030 | 1.9900 | 8.00 | 0.105 | 467.0 | 37.5000 | <0.001 | 22.00 | 0.9040 | 0.0013 | <0.0004 | <0.0008 | 9.2300 | <0.0002 | 1.0400 | <0.01 | <0.00004 | 0.0041 | <0.004 | 153.0000 | <0.002 | |
| | 9/1/2010 | 279 | 4160.0 | 3890.0 | 2530 | 210.00 | 2700 | 0.0001 | 0.0100 | 0.0004 | 0.0140 | <0.1 | <0.0002 | <0.002 | 0.2500 | 0.0284 | 0.1900 | <0.002 | 0.0019 | 2.1000 | 7.80 | 0.104 | 463.0 | 38.1000 | <0.002 | 21.90 | 0.8230 | 0.0006 | <0.001 | <0.0002 | 12.0000 | <0.01 | 1.0200 | <0.01 | <0.0001 | 0.0035 | <0.01 | 141.0000 | <0.001 | |
| | 10/7/2010 | 260 | 2250.0 | 3830.0 | 2730 | 200.00 | 2700 | 0.0001 | 0.0110 | 0.0004 | 0.0160 | <0.1 | <0.0002 | <0.002 | 0.2840 | 0.0310 | 0.2480 | <0.002 | 0.0020 | 2.5600 | 8.50 | 0.102 | 490.0 | 40.8000 | <0.002 | 23.90 | 0.9080 | <0.0004 | <0.001 | <0.0002 | 10.4000 | <0.01 | 1.1100 | <0.01 | <0.0001 | 0.0037 | <0.01 | 159.0000 | <0.001 | |
| | 11/8/2010 | 266 | 3304.0 | 4000.0 | 2460 | 200.00 | 2800 | <0.00002 | 0.0090 | <0.0001 | 0.0140 | <0.05 | <0.0001 | <0.001 | 0.2380 | 0.0290 | 0.2020 | <0.001 | 0.0025 | 2.9000 | 7.47 | 0.065 | 453.0 | 35.1000 | <0.001 | 21.80 | 0.7600 | 0.0006 | <0.0005 | <0.0001 | 10.2000 | <0.005 | 1.0200 | <0.005 | <0.00005 | 0.0035 | <0.005 | 163.0000 | <0.0005 | |
| | 12/1/2010 | 279 | >3999.0 | 4130.0 | 2760 | 210.00 | 3000 | 0.0001 | 0.0180 | <0.0004 | 0.0180 | <0.2 | <0.0004 | <0.004 | 0.2680 | 0.0321 | 0.2420 | <0.004 | 0.0045 | 2.4700 | 8.60 | 0.111 | 508.0 | 39.4000 | <0.004 | 21.50 | 0.9270 | <0.0008 | <0.002 | <0.0004 | 11.2000 | <0.02 | 1.1200 | <0.02 | <0.0002 | 0.0040 | <0.02 | 153.0000 | <0.002 | |
| SRK08-SPW3 | 4/6/2009 | 363 | | 4910.0 | 3460 | 250.00 | 3000 | <0.0003 | 0.0160 | 0.0020 | 0.0190 | <3 | <0.0005 | <0.0003 | 0.3610 | 0.0499 | 0.0989 | <0.005 | <0.003 | 4.7800 | 9.40 | 0.124 | 620.0 | 54.9000 | <0.003 | 26.40 | 1.3900 | 0.0023 | <0.001 | <0.002 | 12.8000 | <0.0005 | 1.5300 | <0.03 | <0.0001 | 0.0050 | <0.01 | 232.0000 | <0.005 | |
| | 5/5/2009 | 638 | 7400.0 | 7140.0 | 5800 | 63.00 | 5000 | 0.0002 | 0.7770 | 0.0024 | 0.0261 | <1 | 0.0029 | <0.0001 | 0.4730 | 0.2150 | 0.9680 | <0.002 | 0.5210 | 2.4600 | 18.80 | 0.323 | 1120.0 | 71.3000 | <0.001 | 77.60 | 2.1700 | 0.0317 | <0.0004 | 0.0013 | 7.8200 | <0.0002 | 1.8900 | <0.01 | 0.0016 | 0.0096 | <0.004 | 410.0000 | <0.002 | |
| | 6/10/2009 | 392 | >3999.0 | 5130.0 | 3580 | 230.00 | 4400 | <0.0001 | 0.0150 | 0.0014 | 0.0191 | <1 | 0.0004 | <0.0001 | 0.3820 | 0.0525 | 0.0978 | <0.002 | 0.0110 | 1.8200 | 9.70 | 0.108 | 638.0 | 50.8000 | <0.001 | 31.20 | 1.3600 | 0.0017 | <0.0004 | <0.0008 | 11.2000 | <0.0002 | 1.5600 | <0.01 | 0.0001 | 0.0044 | <0.004 | 208.0000 | <0.002 | |
| | 7/13/2009 | 892 | 7100.0 | 7100.0 | 5590 | 200.00 | 6500 | 0.0002 | 0.0250 | <0.0004 | 0.0179 | <1 | <0.0002 | <0.0001 | 0.5060 | 0.1070 | 0.2160 | <0.002 | 0.0180 | 0.0570 | 13.60 | 0.166 | 1050.0 | 87.2000 | <0.001 | 44.60 | 2.3300 | 0.0058 | <0.0004 | <0.0008 | 12.4000 | <0.0002 | 2.0100 | <0.01 | <0.00004 | 0.0075 | <0.004 | 354.0000 | <0.002 | |
| | 8/10/2009 | 815 | 7680.0 | 8210.0 | 6410 | 150.00 | 7500 | 0.0002 | 0.0330 | 0.0006 | 0.0196 | <1 | <0.0002 | <0.0001 | 0.4750 | 0.1570 | 0.6480 | <0.002 | 0.0230 | 0.0830 | <0.0002 | 14.50 | 0.214 | 1270.0 | 97.6000 | <0.001 | 53.70 | 2.9800 | 0.0269 | <0.0004 | <0.0008 | 9.8200 | <0.0002 | 2.0500 | <0.01 | 0.0001 | 0.0055 | <0.004 | 486.0000 | <0.002 |
| | 9/1/2009 | 586 | 6650.0 | 7270.0 | 5890 | 190.00 | 6800 | <0.0001 | 0.0240 | <0.0004 | 0.0180 | <1 | <0.0002 | <0.0001 | 0.4910 | 0.0999 | 0.2820 | <0.002 | 0.0130 | 0.5110 | 13.50 | 0.177 | 1130.0 | 93.8000 | <0.001 | 46.80 | 2.5100 | 0.0075 | <0.0004 | <0.0008 | 11.6000 | <0.0002 | 2.0200 | <0.01 | <0.00004 | 0.0070 | <0.004 | 385.0000 | <0.002 | |
| | 10/5/2009 | 543 | 6350.0 | 7070.0 | 5590 | 220.00 | 5900 | <0.0003 | 0.0110 | <0.001 | 0.0180 | <3 | <0.0005 | <0.0003 | 0.4790 | 0.0959 | 0.3070 | <0.005 | 0.0100 | 0.5400 | 12.60 | 0.165 | 1070.0 | 92.2000 | <0.003 | 42.20 | 2.4800 | 0.0062 | <0.001 | <0.002 | 12.9000 | <0.0005 | 2.0100 | <0.03 | <0.0001 | 0.0073 | <0.01 | 392.0000 | <0.005 | |
| | 11/4/2009 | 642 | 7430.0 | 7500.0 | 6080 | 200.00 | 6300 | <0.0003 | <0.01 | <0.001 | 0.0190 | <3 | <0.0005 | <0.0003 | 0.5220 | 0.1230 | 0.3900 | <0.005 | 0.0100 | 0.2190 | 14.20 | 0.187 | 1160.0 | 108.0000 | <0.003 | 44.10 | 2.7400 | 0.0083 | <0.001 | <0.002 | 13.2000 | <0.0005 | 2.1200 | <0.03 | <0.0001 | 0.0071 | <0.01 | 469.0000 | <0.005 | |
| | 12/1/2009 | 452 | 5520.0 | 5410.0 | 3830 | 250.00 | 4400 | <0.0003 | 0.0290 | 0.0030 | 0.0180 | <3 | <0.0005 | <0.0003 | 0.3660 | 0.0744 | 0.2600 | <0.005 | 0.0090 | 7.7200 | 10.10 | 0.136 | 707.0 | 69.7000 | <0.003 | 28.10 | 1.7600 | 0.0047 | <0.001 | <0.002 | 13.3000 | <0.0005 | 1.5400 | <0.03 | <0.0001 | 0.0049 | <0.01 | 283.0000 | <0.005 | |
| | 12/17/2009 | 537 | >3999.0 | 5470.0 | 3470 | 250.00 | 4300 | 0.0003 | 0.0130 | 0.0014 | 0.0160 | <0.2 | <0.0004 | <0.004 | 0.3450 | 0.0773 | 0.2480 | <0.004 | 0.0038 | 5.2600 | <0.00008 | 9.40 | 0.132 | 633.0 | 65.9000 | <0.004 | 25.50 | 1.5600 | <0.0008 | <0.002 | <0.0004 | 13.0000 | <0.02 | 1.4800 | <0.02 | <0.0002 | 0.0049 | <0.02 | 296.0000 | <0.002 |
| | 1/6/2010 | 489 | >3999.0 | 5390.0 | 3970 | 250.00 | 4300 | 0.0002 | 0.0250 | 0.0021 | 0.0173 | <1 | 0.0004 | <0.0001 | 0.3710 | 0.0812 | 0.2640 | <0.002 | 0.0070 | 7.7400 | 10.50 | 0.132 | 739.0 | 68.0000 | <0.001 | 28.70 | 1.6700 | 0.0047 | <0.0004 | <0.0008 | 14.4000 | <0.0002 | 1.4900 | <0.01 | <0.00004 | 0.0048 | <0.004 | 291.0000 | <0.002 | |
| | 2/17/2010 | 619 | 5800.0 | 6620.0 | 4860 | 210.00 | 5800 | 0.0004 | 0.0190 | 0.0008 | 0.0170 | <0.2 | <0.0004 | <0.004 | 0.3700 | 0.1270 | 0.4270 | <0.004 | 0.0067 | 3.0900 | <0.00008 | 10.30 | 0.150 | 957.0 | 102.0000 | <0.004 | 31.70 | 2.4700 | 0.0040 | <0.002 | 0.0005 | 11.9000 | <0.02 | 1.6900 | <0.02 | <0.0002 | 0.0060 | <0.02 | 434.0000 | <0.002 |
| | 3/9/2010 | 663 | 4820.0 | 5690.0 | 4350 | 230.00 | 4400 | <0.0001 | 0.0170 | 0.0009 | 0.0148 | <1 | 0.0003 | <0.0001 | 0.3570 | 0.1040 | 0.3900 | <0.002 | 0.0070 | 5.8200 | 10.00 | 0.135 | 840.0 | 79.2000 | <0.001 | 30.00 | 2.0600 | 0.0038 | <0.0004 | <0.0008 | 12.7000 | <0.0002 | 1.4300 | <0.01 | <0.00004 | 0.0051 | <0.004 | 368.0000 | <0.002 | |
| | 4/13/2010 | 759 | 5860.0 | 6210.0 | 4240 | 210.00 | 6300 | <0.0003 | 0.0190 | <0.001 | 0.0150 | <3 | <0.0005 | <0.0003 | 0.3270 | 0.1320 | 0.4120 | <0.005 | 0.0070 | 2.7800 | 10.00 | 0.149 | 832.0 | 83.4000 | <0.003 | 26.00 | 2.1600 | 0.0041 | <0.001 | <0.002 | 11.6000 | <0.0005 | 1.5400 | <0.03 | <0.0001 | 0.0060 | <0.01 | 366.0000 | <0.005 | |
| | 5/3/2010 | 694 | >3999.0 | 3360.0 | 5720 | 140.00 | 7300 | 0.0005 | 0.0210 | 0.0006 | 0.0264 | <1 | <0.0002 | <0.0001 | 0.4090 | 0.1780 | 0.7100 | <0.002 | 0.0190 | 1.5500 | 12.00 | 0.164 | 1140.0 | 115.0000 | <0.001 | 34.00 | 3.1800 | 0.0023 | <0.0004 | <0.0008 | 10.3000 | <0.0002 | 1.8400 | <0.01 | 0.0002 | 0.0059 | <0.004 | 520.0000 | <0.002 | |
| | 6/13/2010 | 503 | >3999.0 | 5440.0 | 4140 | 170.00 | 5100 | 0.0002 | 0.0150 | 0.0008 | 0.0160 | <0.1 | 0.0003 | <0.002 | 0.3310 | 0.1170 | 0.3860 | <0.002 | 0.0057 | 4.3000 | 10.50 | 0.141 | 805.0 | 76.3000 | <0.002 | 27.40 | 1.8800 | 0.0016 | <0.001 | <0.0002 | 13.1000 | <0.01 | 1.5200 | <0.01 | <0.0001 | 0.0046 | <0.01 | 329.0000 | <0.001 | |
| | 7/10/2010 | 377 | 3890.0 | 4160.0 | 3050 | 240.00 | 3000 | 0.0002 | 0.0290 | 0.0018 | 0.0168 | <1 | 0.0004 | <0.0001 | 0.2940 | 0.0727 | 0.2880 | <0.002 | 0.0060 | 11.7000 | 9.00 | 0.102 | 562.0 | 54.2000 | <0.001 | 23.00 | 1.3900 | 0.0035 | <0.0004 | <0.0008 | 14.5000 | <0.0002 | 1.2000 | <0.01 | <0.00004 | 0.0032 | <0.004 | 227.0000 | <0.002 | |

Figure 6-3: S-Wells Area Sulfate Concentration (Dissolved)
S1A+B (1996-2010)

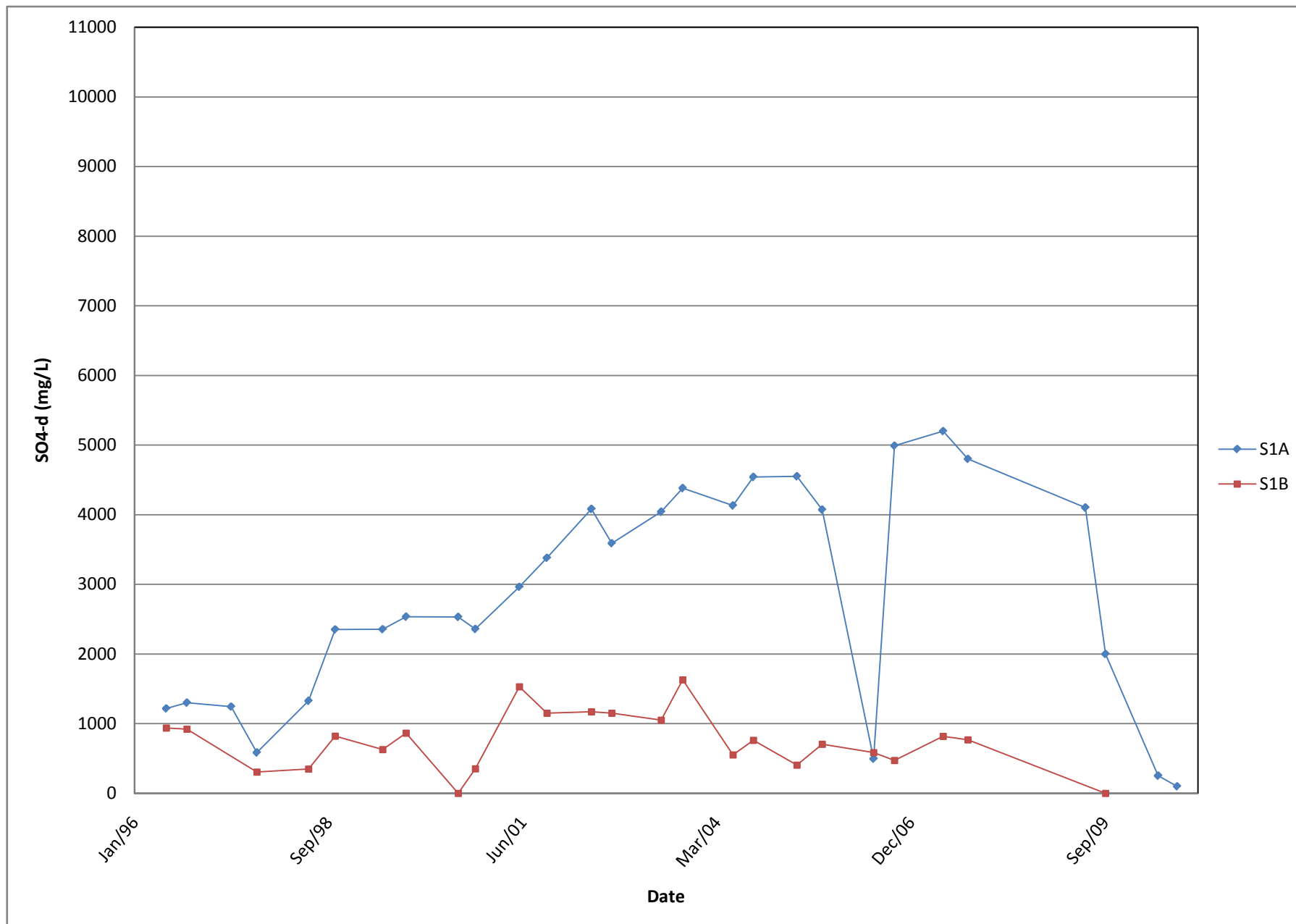


Figure 6-4: S-Wells Area Zinc Concentration (Dissolved)
S1A + B (1996-2010)

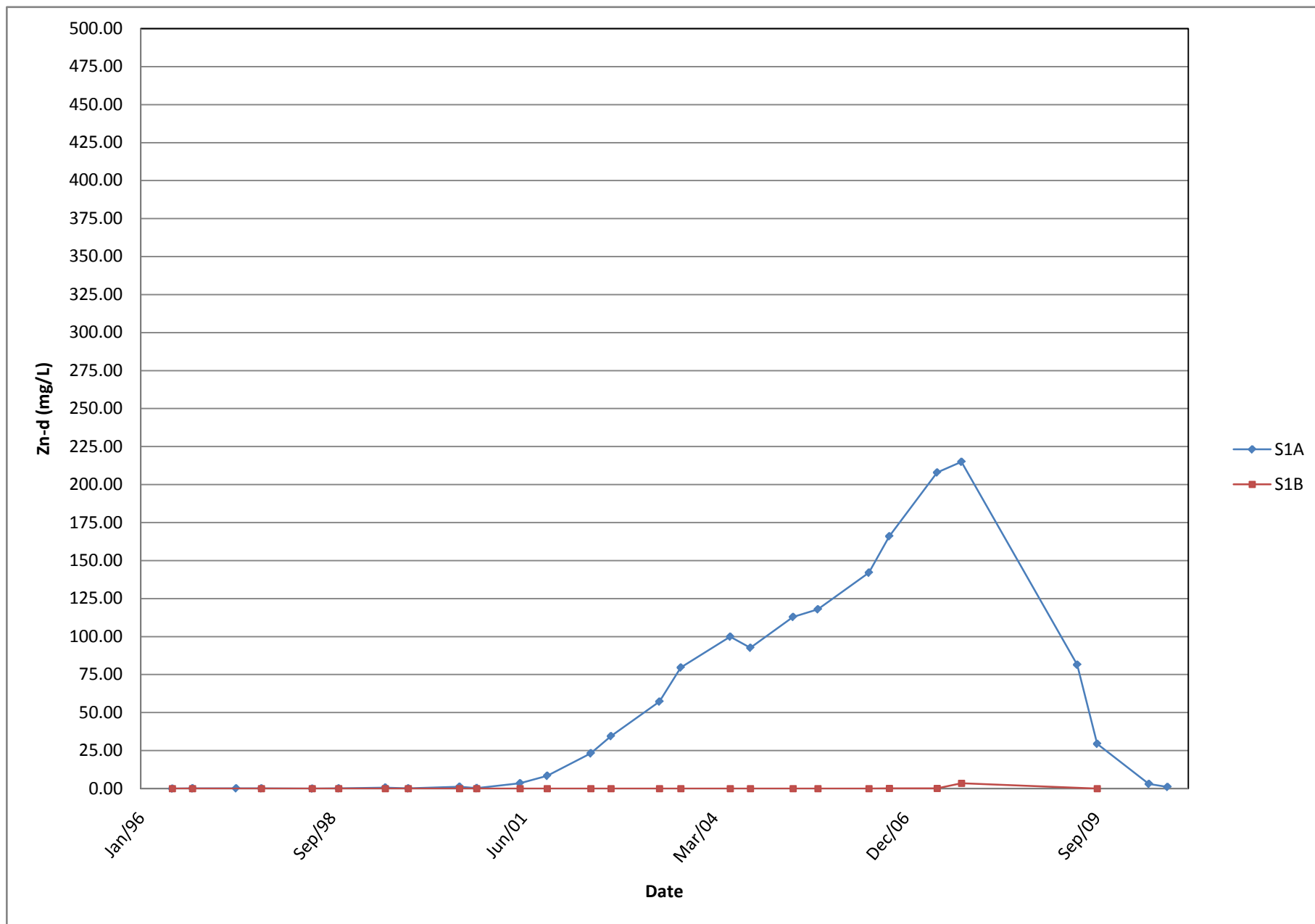


Figure 6-5: S-Wells Area Sulfate Concentration (Dissolved)
S2A + B, S3 (1996-2010)

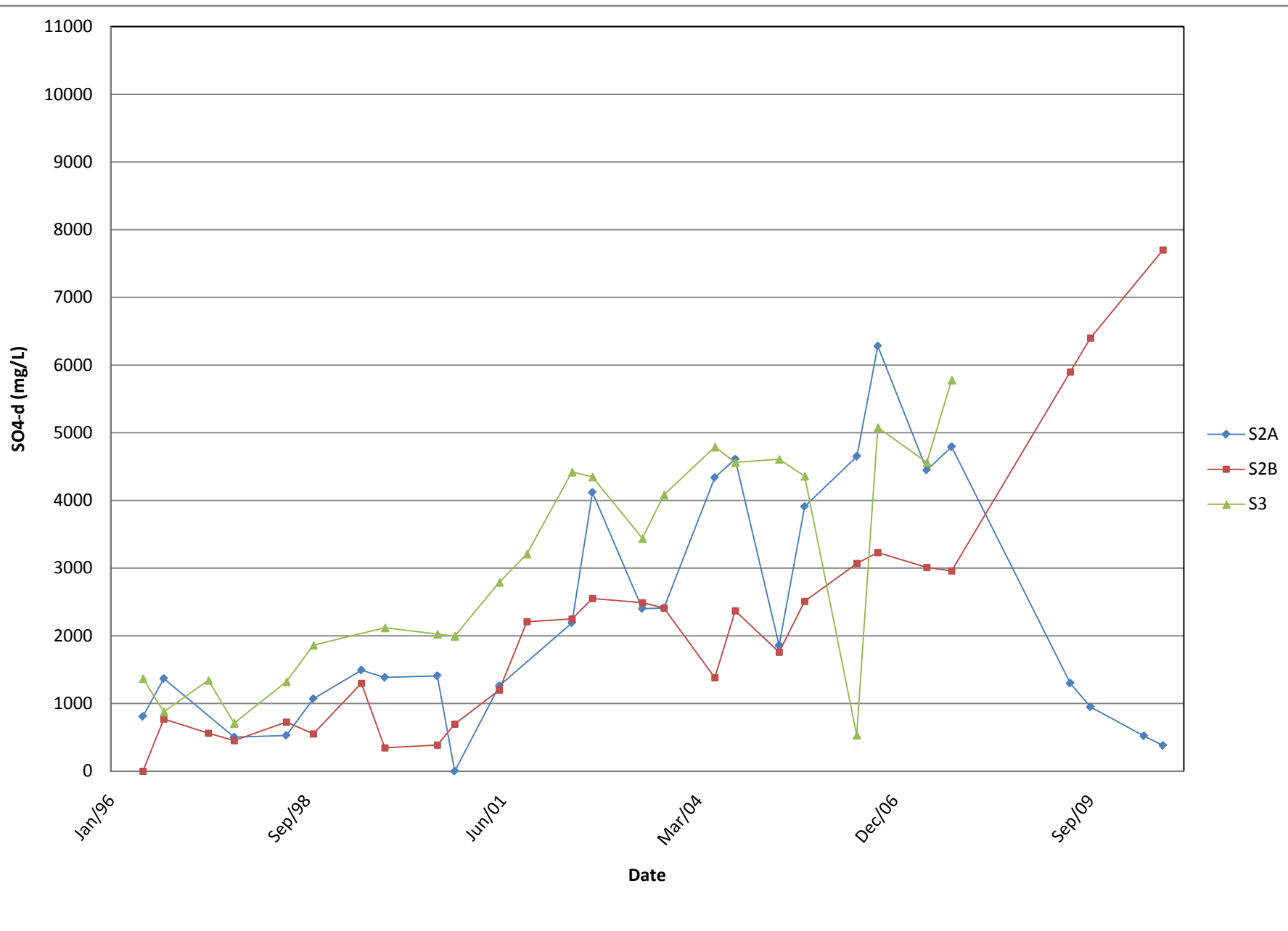


Figure 6-6: S-Wells Area Zinc Concentration (Dissolved)
S2A + B, S3 (1996-2010)

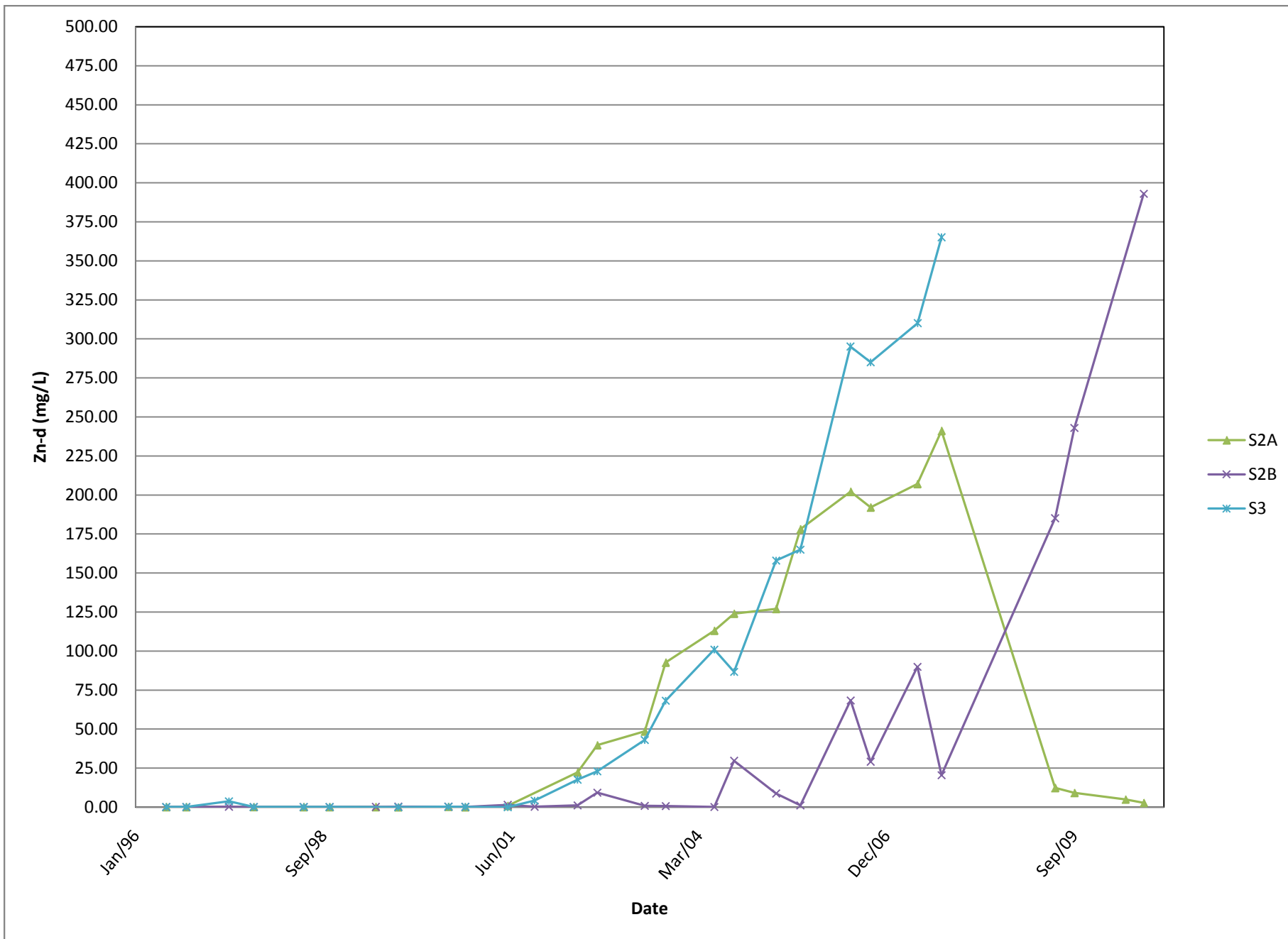


Figure 6-7: S-Wells Area Sulfate Concentration (Dissolved)
SRK05-SP1A+B, -SP2 (1996-2010)

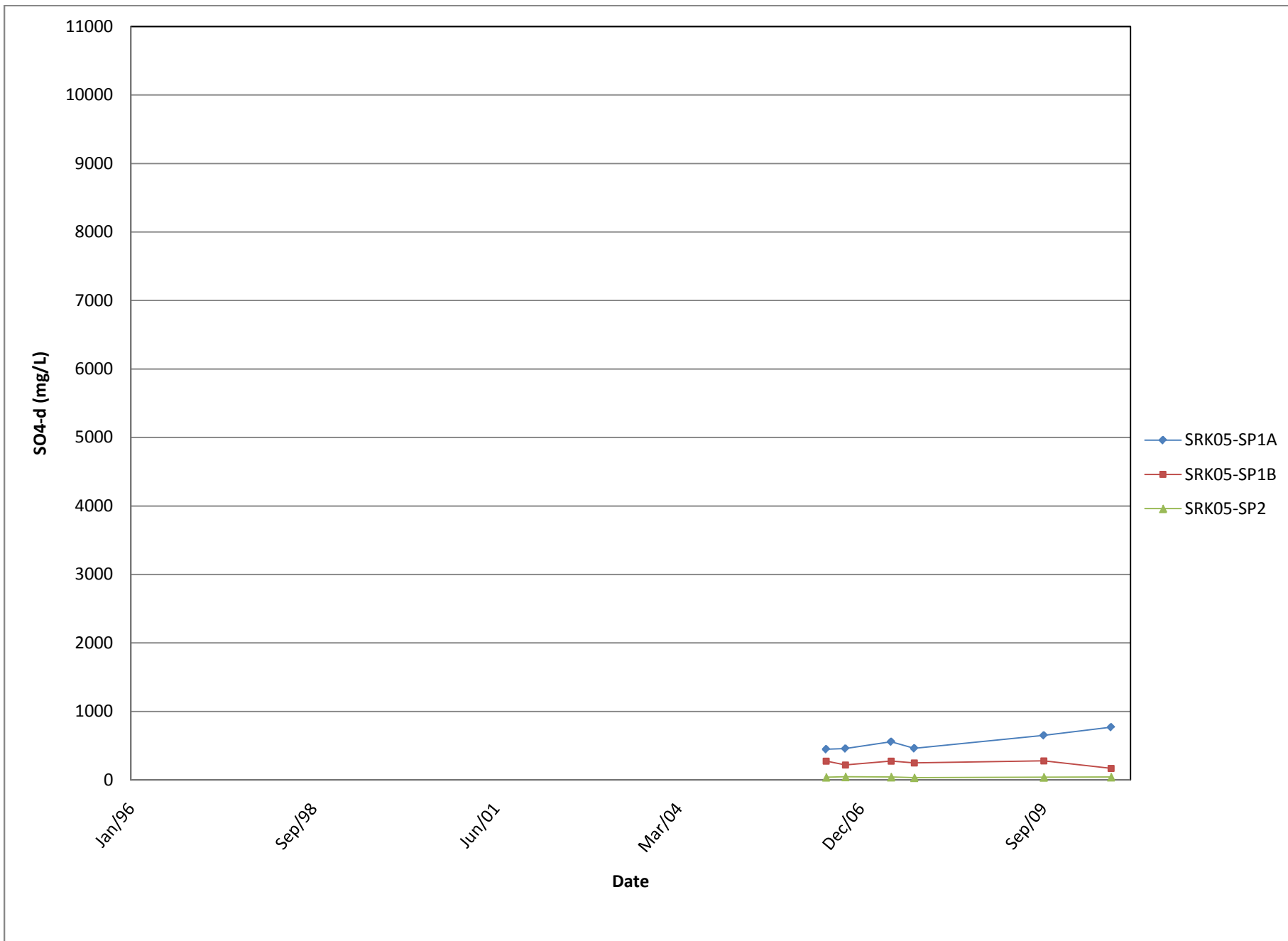


Figure 6-8: S-Wells Area Zinc Concentration (Dissolved)
SRK05-SP1A+B, -SP2 (1996-2010)

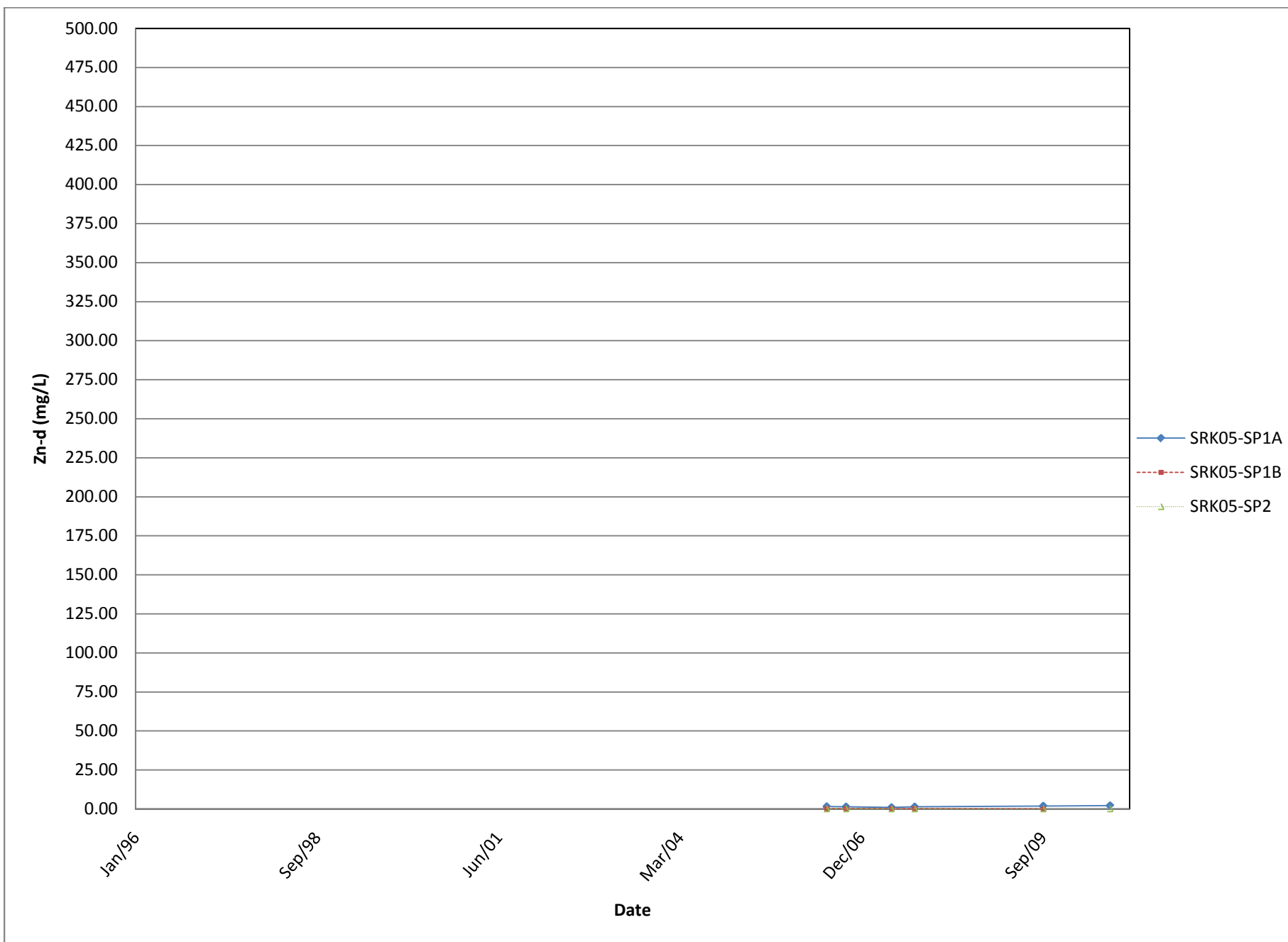


Figure 6-9: S-Wells Area Sulfate Concentration (Dissolved)
SRK05-SP3A+B (1996-2010)

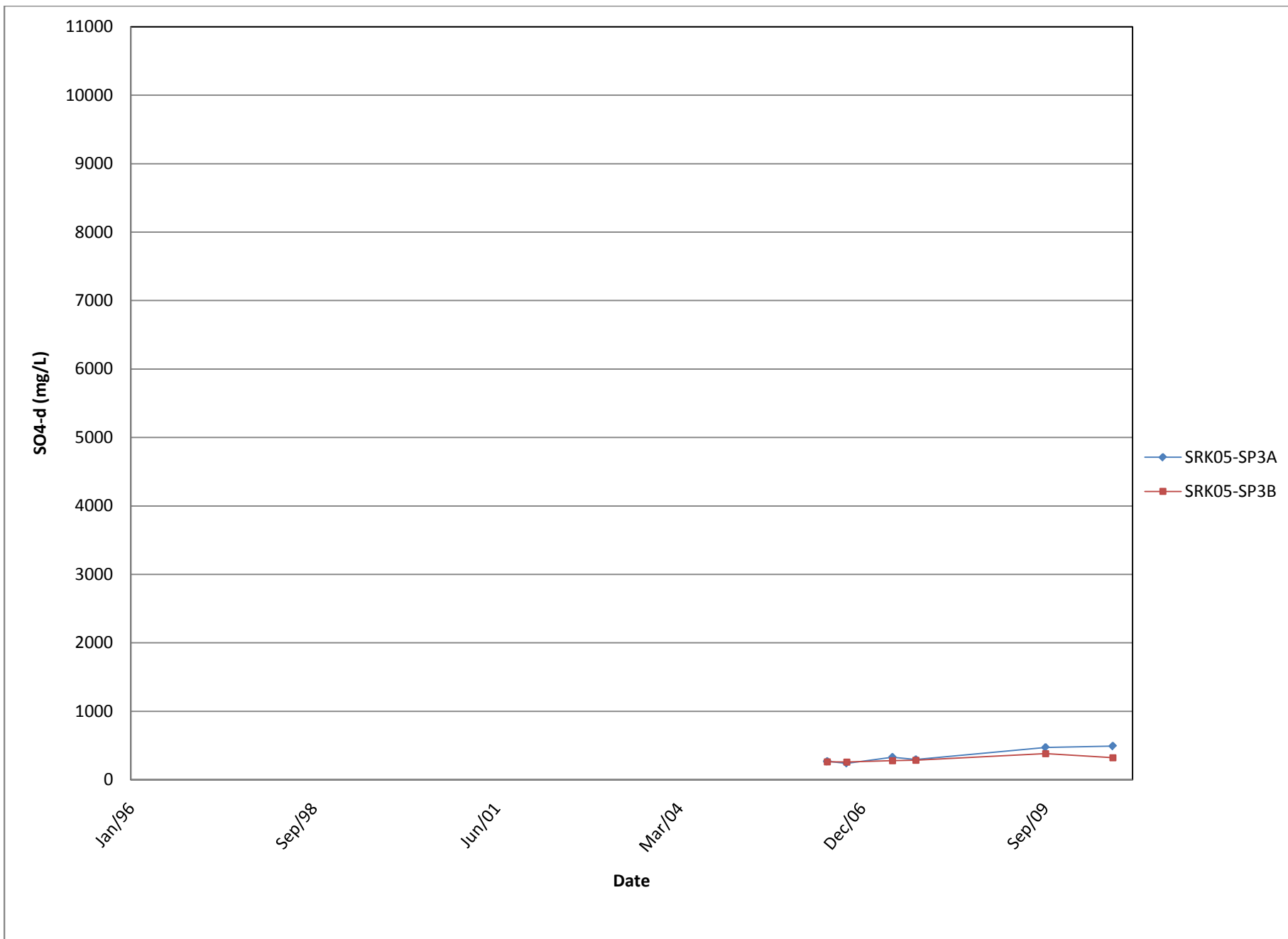


Figure 6-10: S-Wells Area Zinc Concentration (Dissolved)
SRK05-SP3A+B (1996-2010)

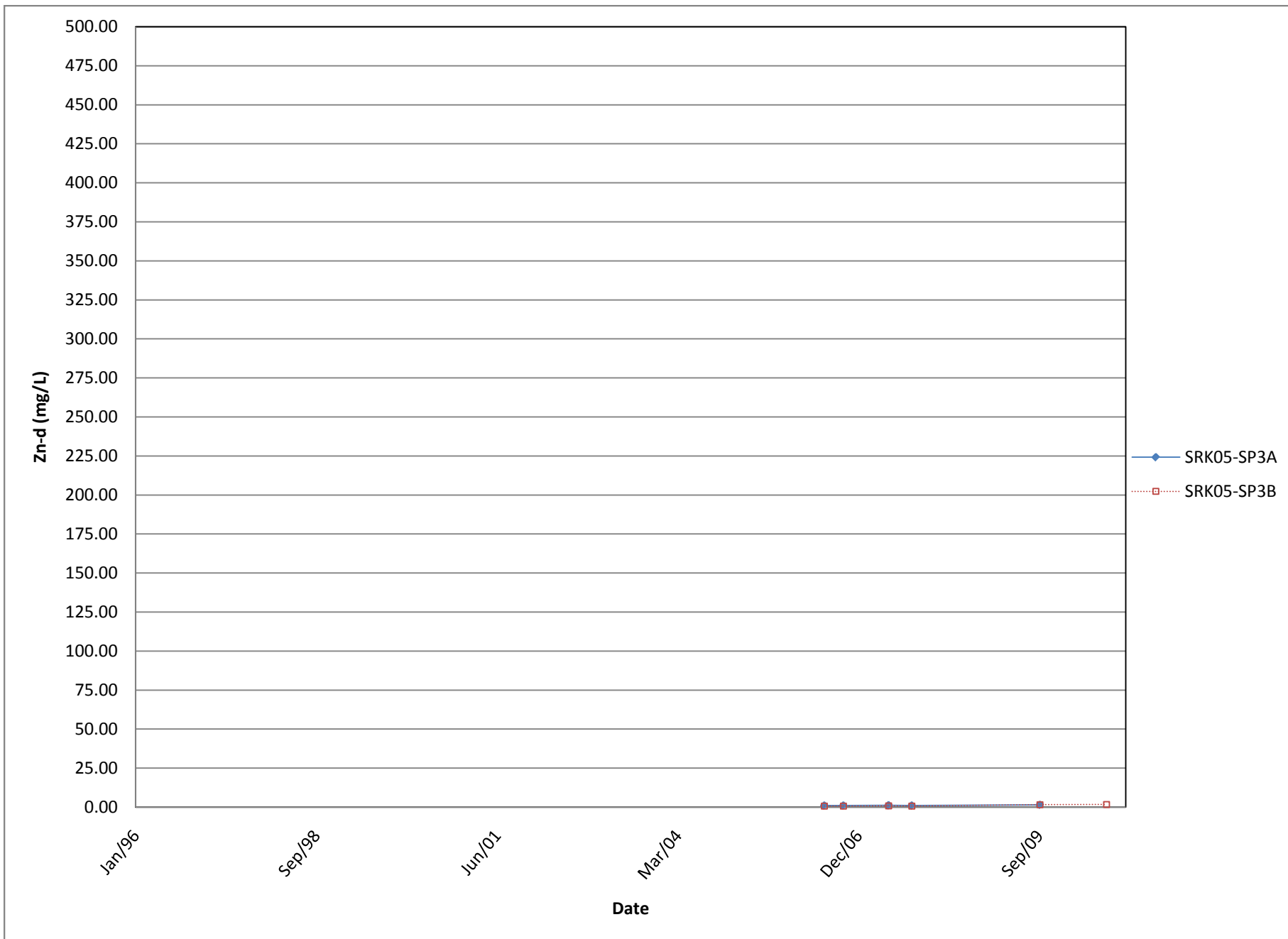


Figure 6-11: S-Wells Area Sulfate Concentration (Dissolved)
SRK05-SP4A+B (1996-2010)

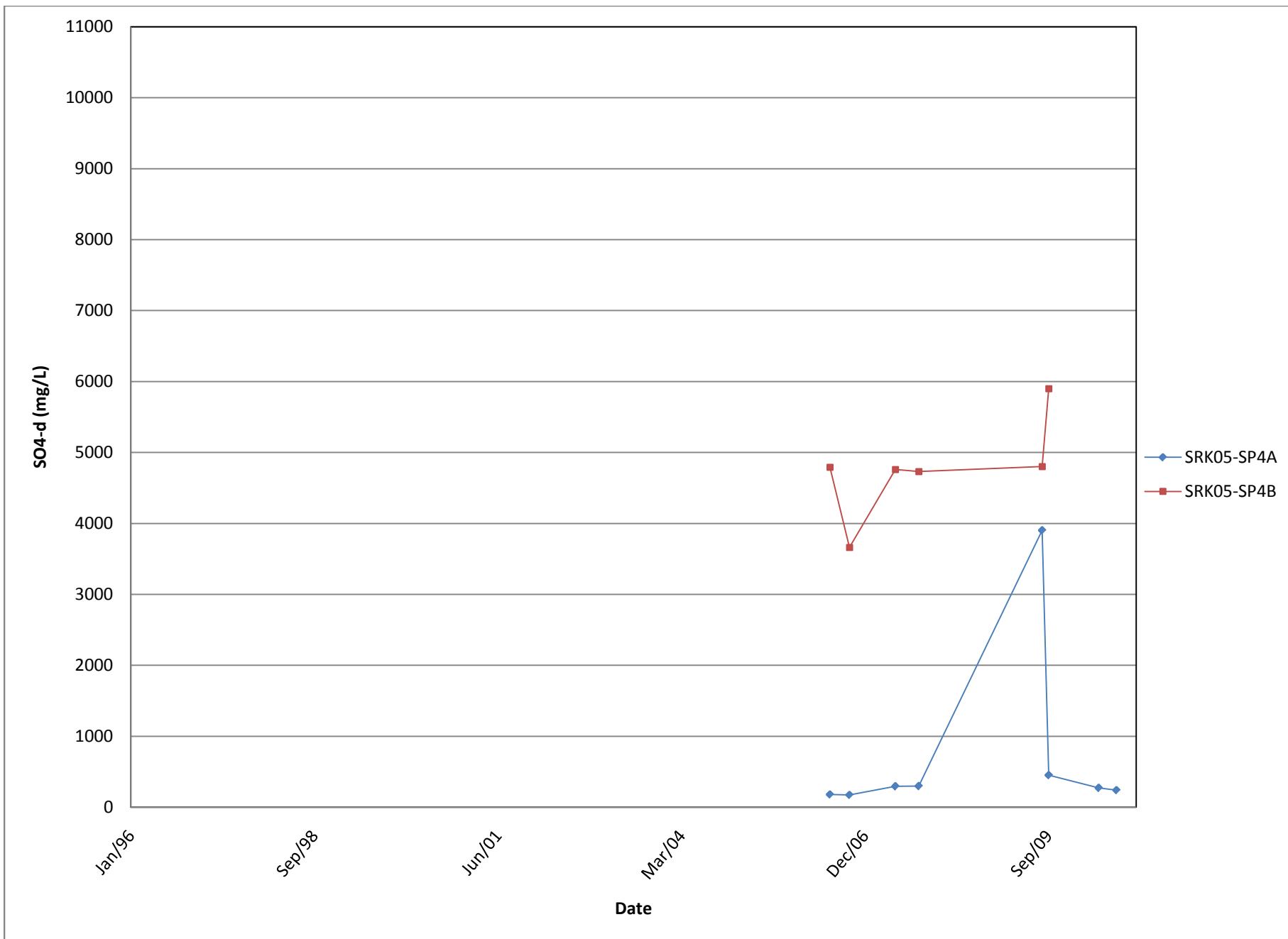


Figure 6-12: S-Wells Area Zinc Concentration (Dissolved)
SRK05-SP4A+B (1996-2010)

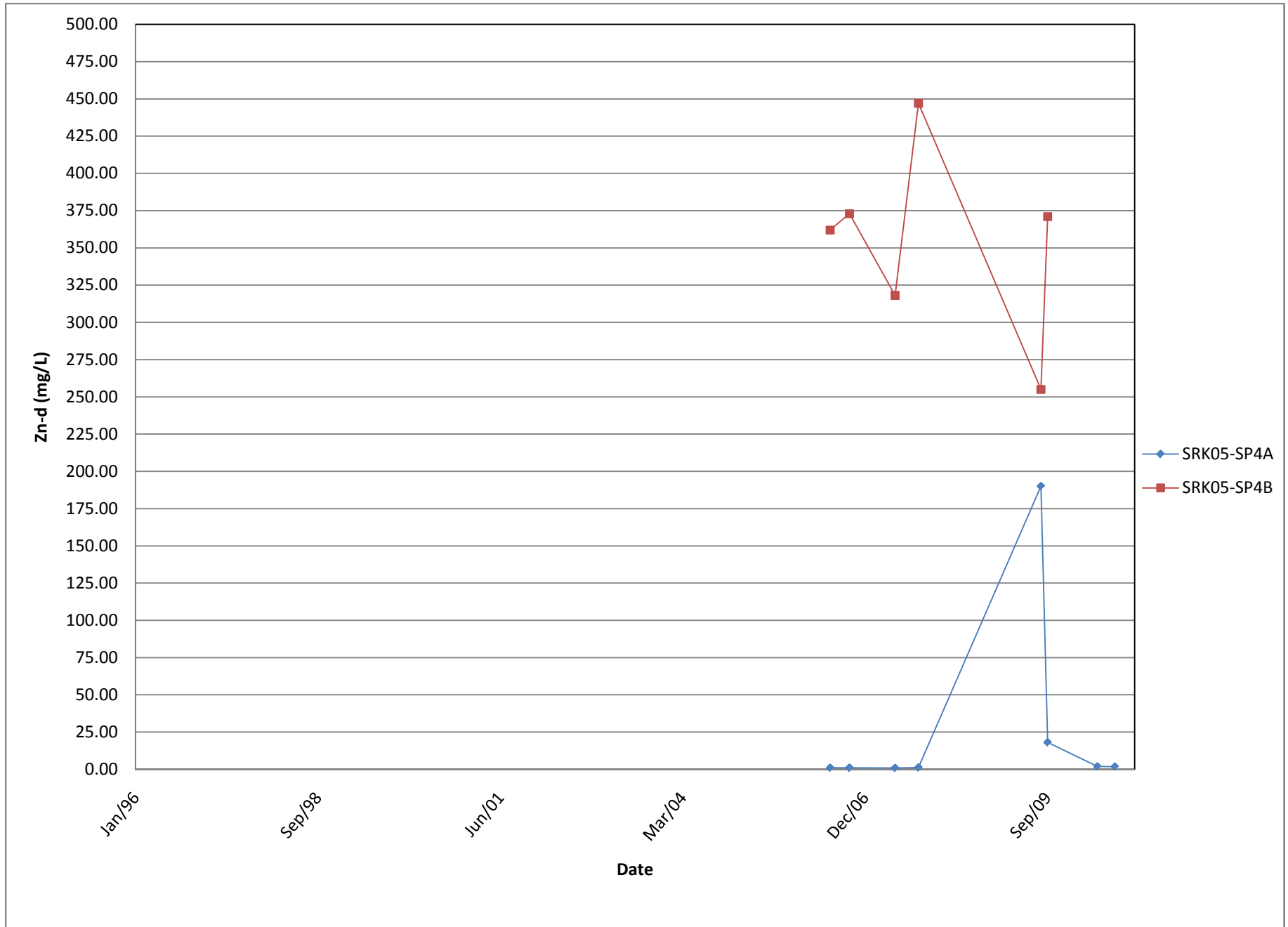


Figure 6-13: S-Wells Area Sulfate Concentration (Dissolved)
SRK05-SP5+6 (1996-2010)

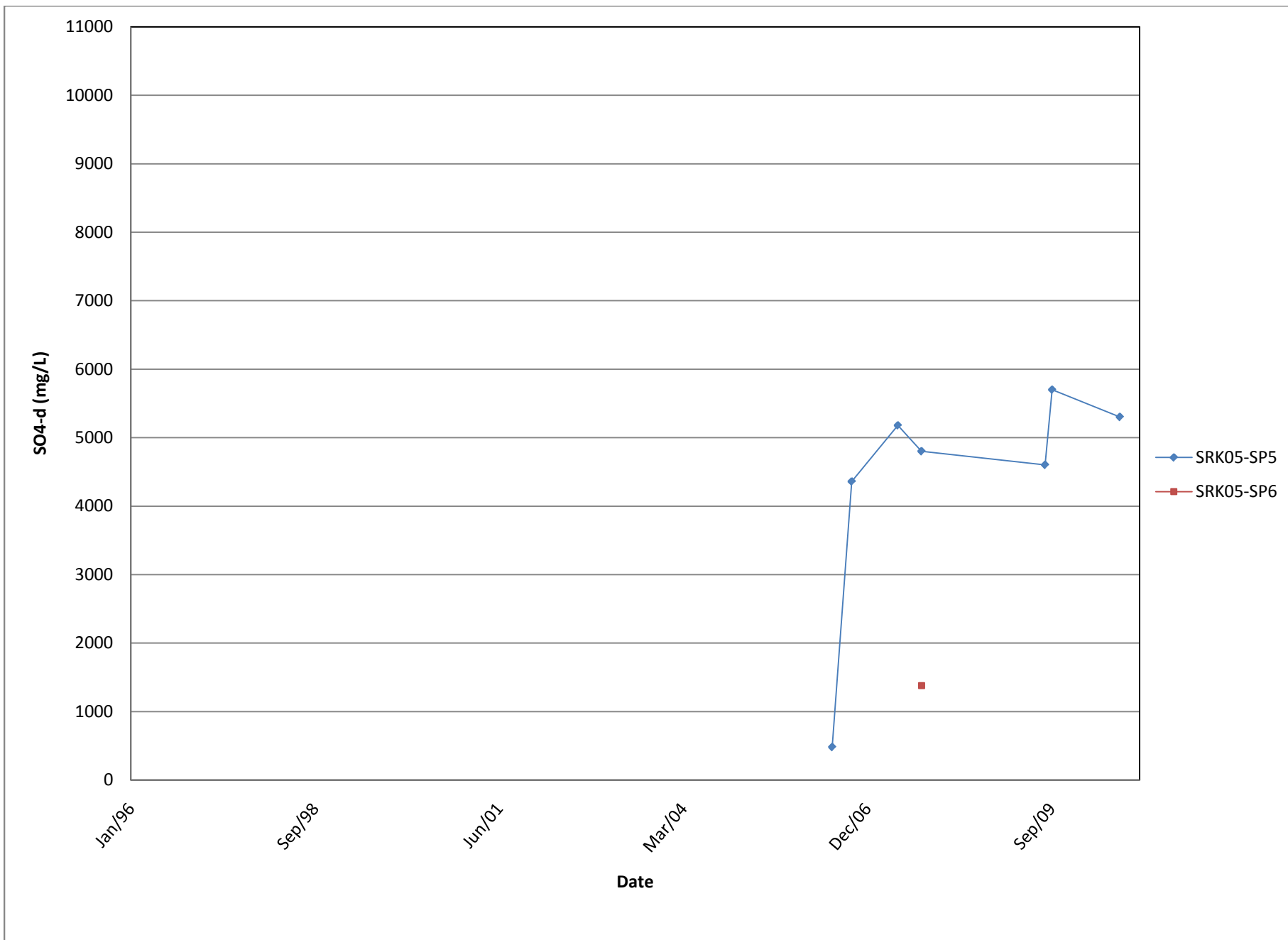


Figure 6-14: S-Wells Area Zinc Concentration (Dissolved)
SRK05-SP5 + 6 (1996-2010)

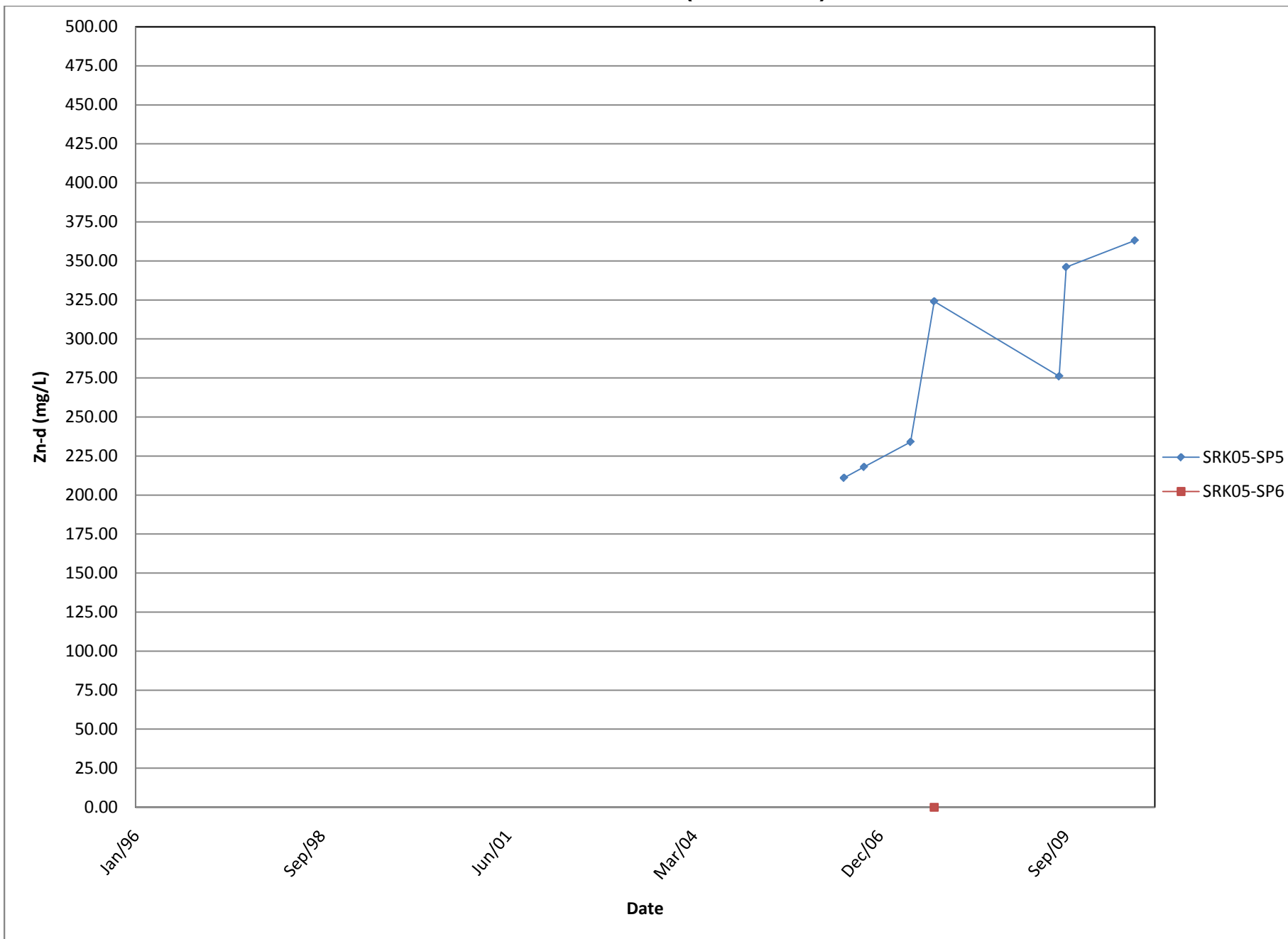


Figure 6-15: S-Wells Area Sulfate Concentration (Dissolved)
SRK08-SP8A+B (1996-2010)

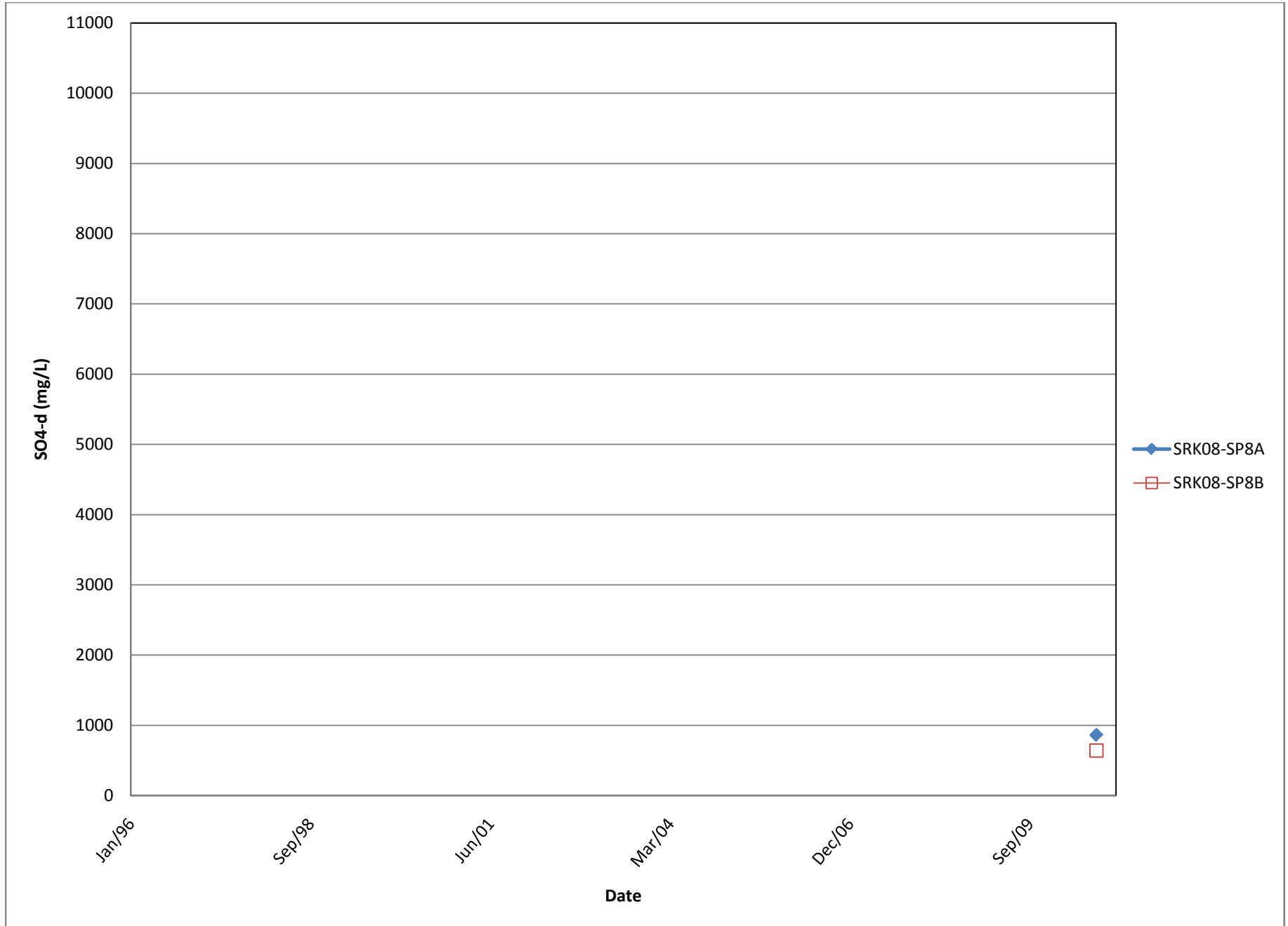


Figure 6-16: S-Wells Area Zinc Concentration (Dissolved)
SRK08-SP8A+B (1996-2010)

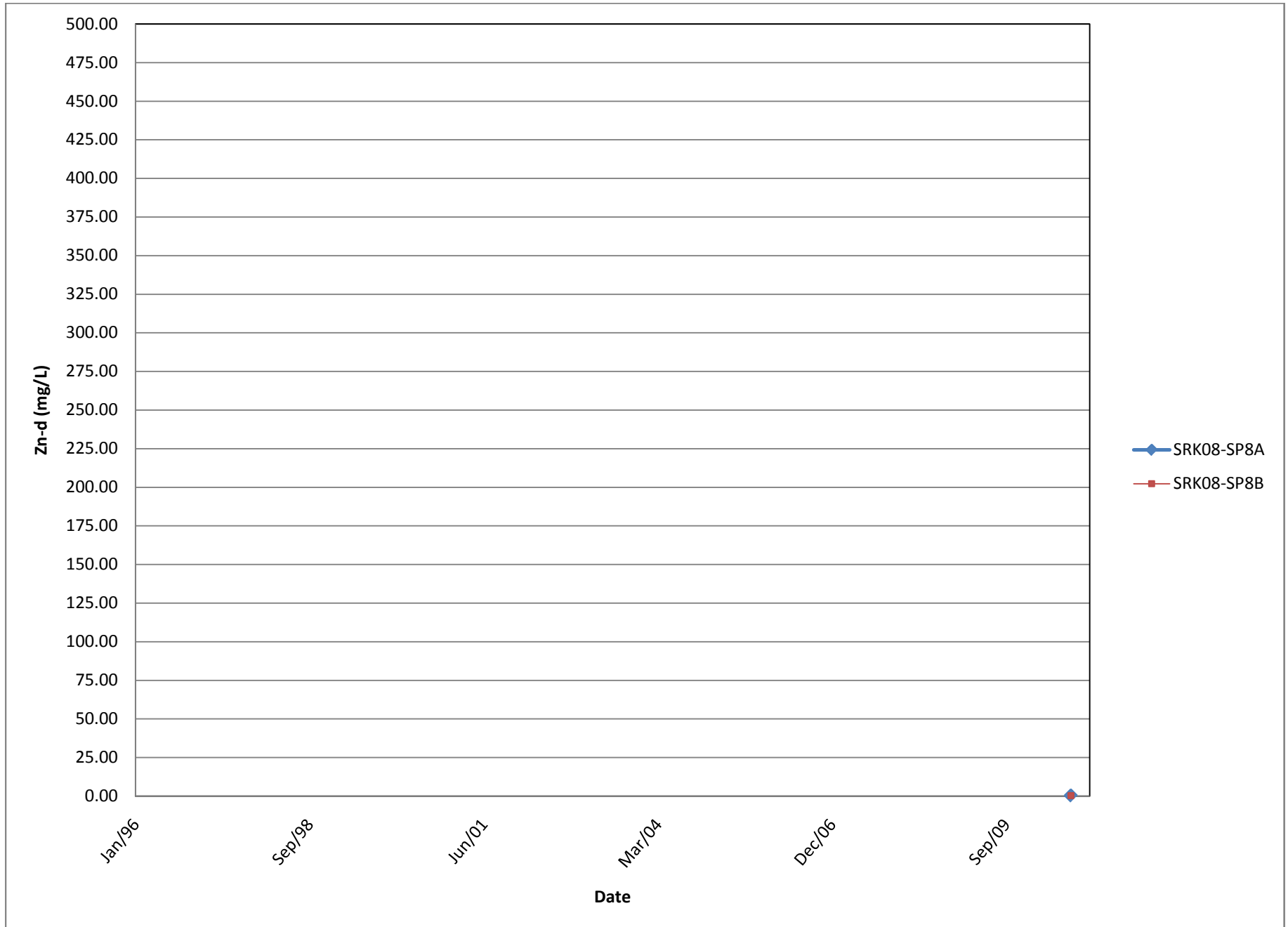


Figure 6-17: S-Wells Area Sulfate Concentration (Dissolved)
SRK08 - SPW1, 2 + 3 (1996-2010)

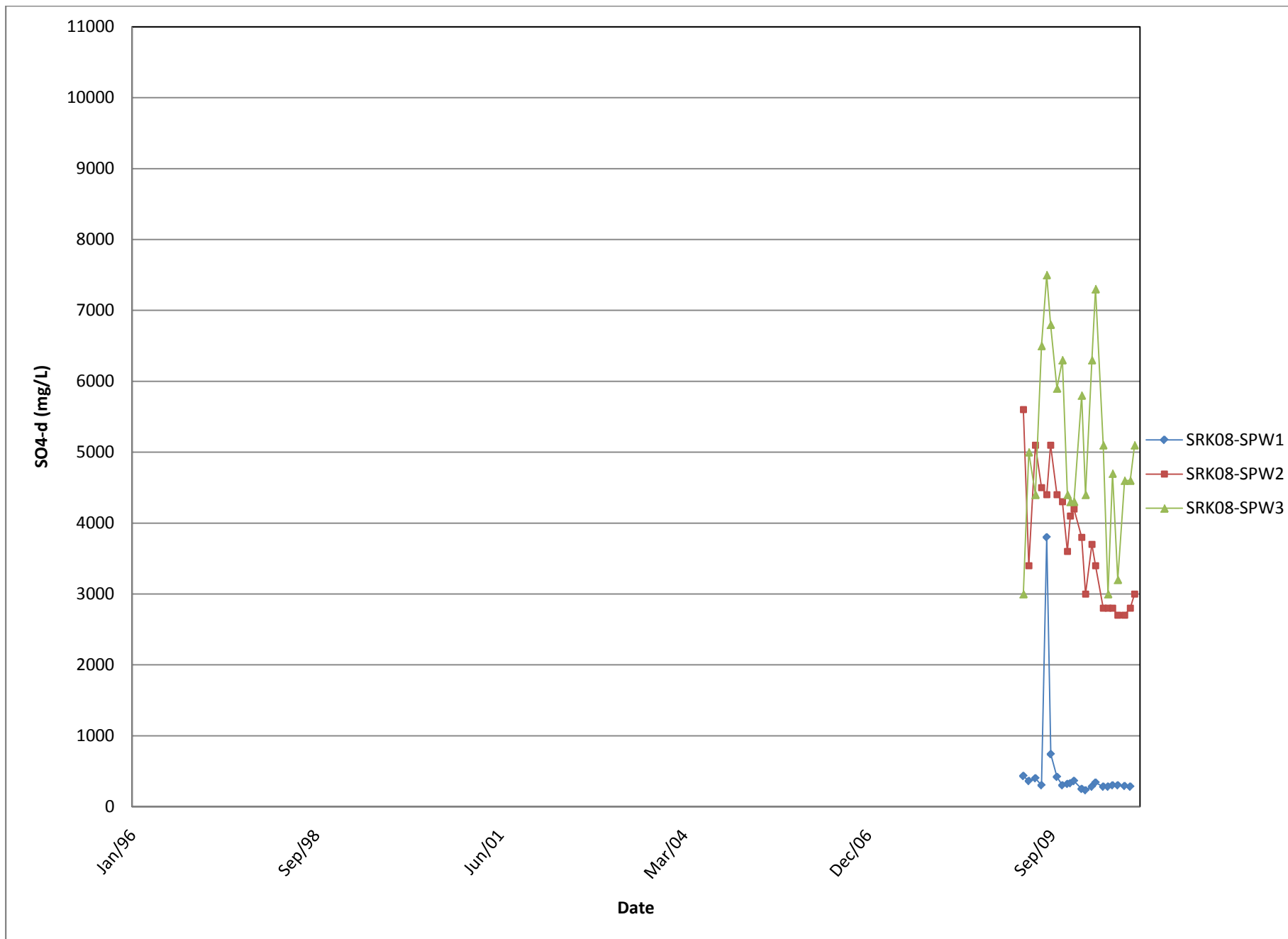


Figure 6-18: S-Wells Area Zinc Concentration (Dissolved)
SRK08-SPW 1,2+3 (1996-2010)

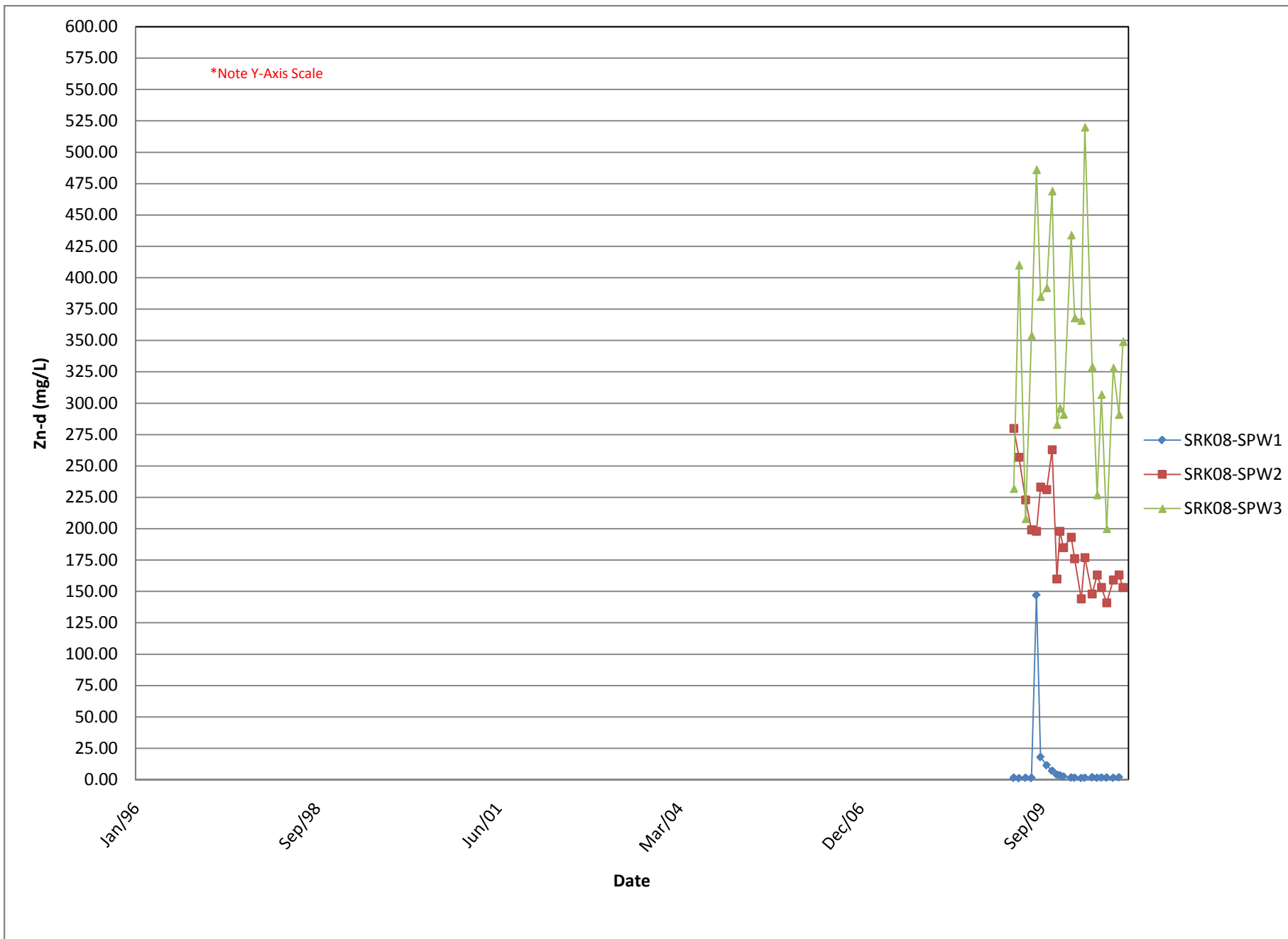


Figure 6-19: S-Wells Area Sulfate Concentration (Dissolved)
SRK08-SBR 1,2,3+4 (1996-2010)

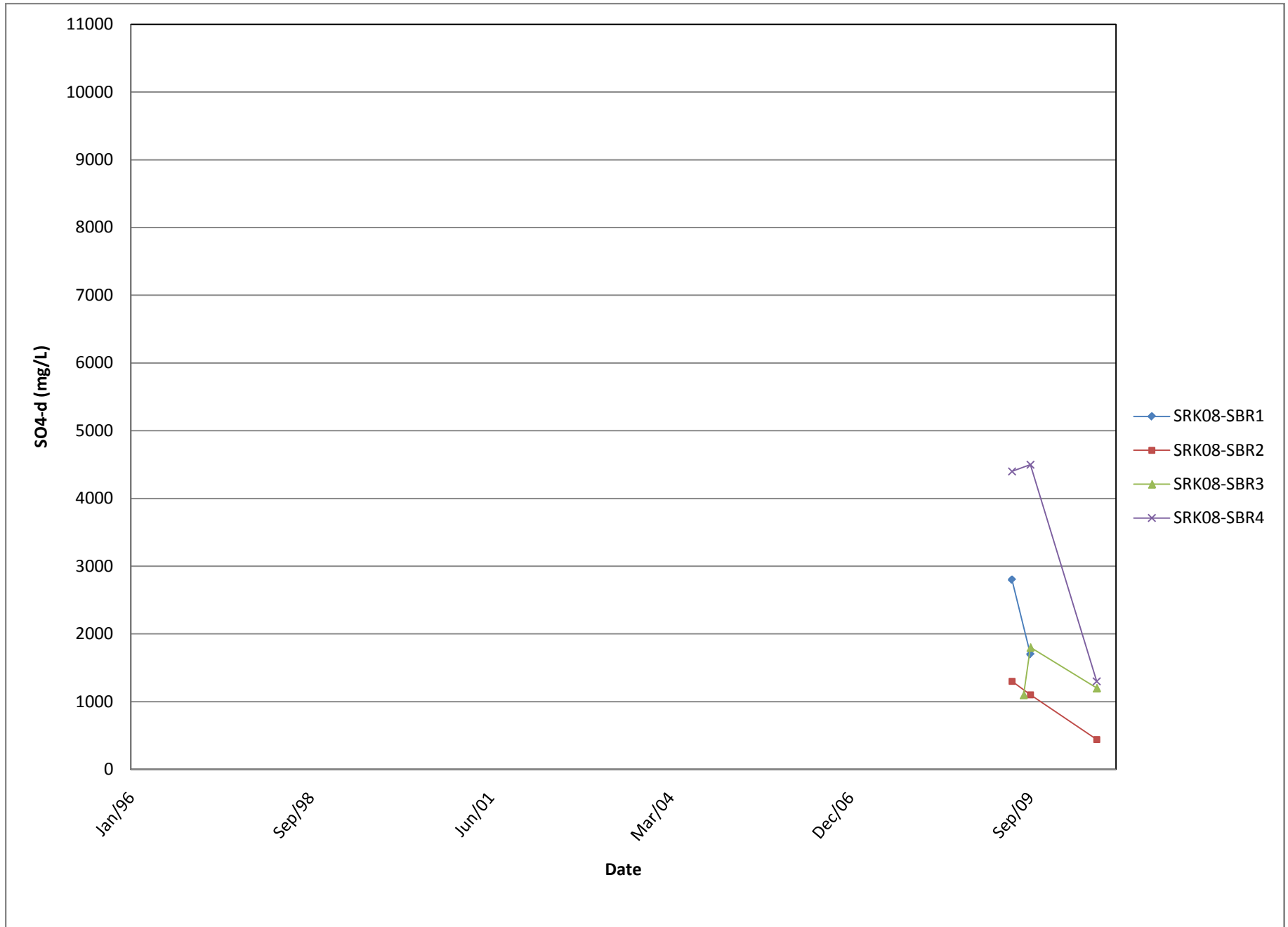


Figure 6-20: S-Wells Area Zinc Concentration (Dissolved)
SRK08-SBR 1,2,3+4 (1996-2010)

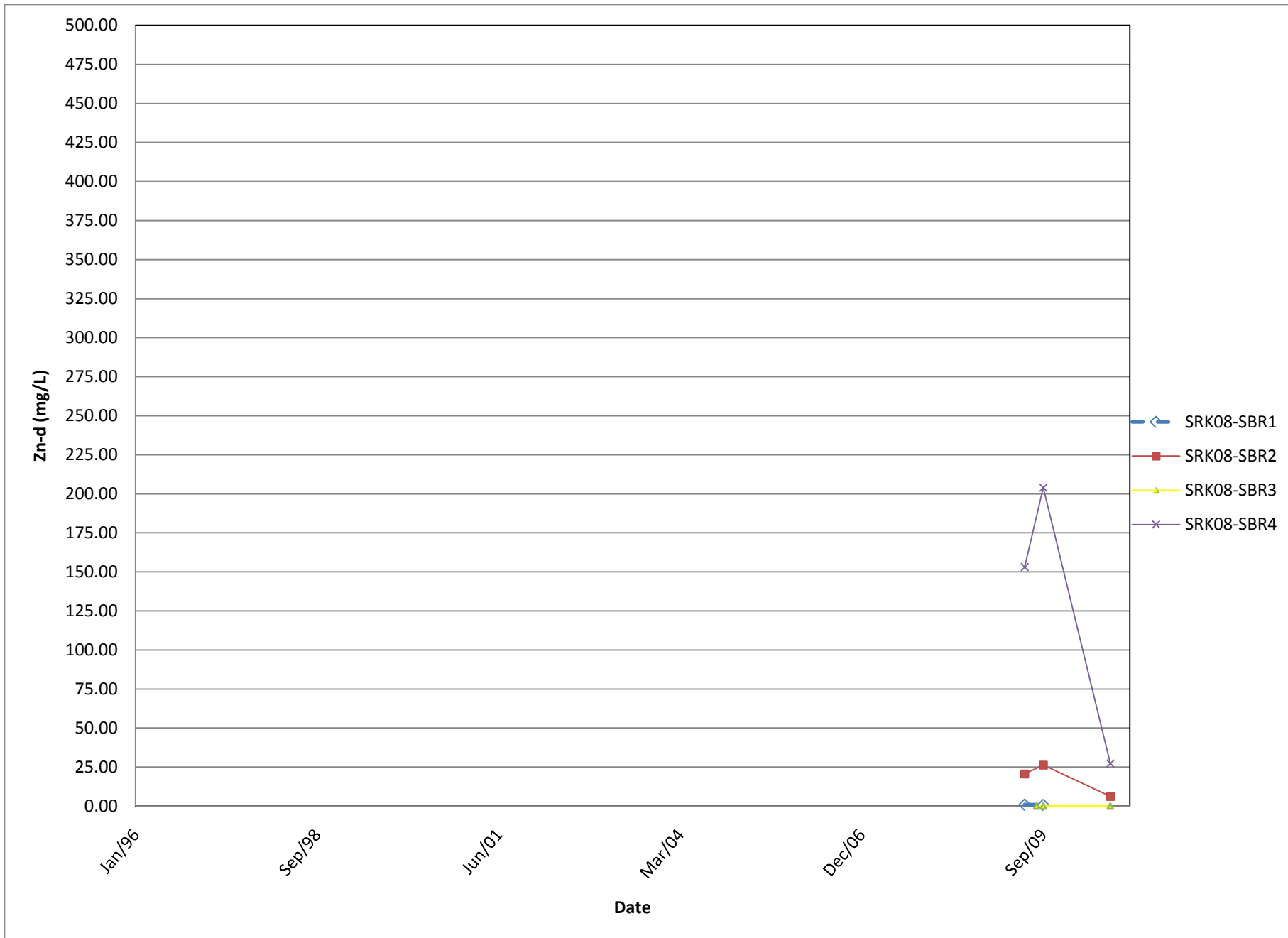


Figure 6-21: S-Wells Area Sulfate Concentration (Dissolved)
P09-SIS1,2+3 (1996-2010)

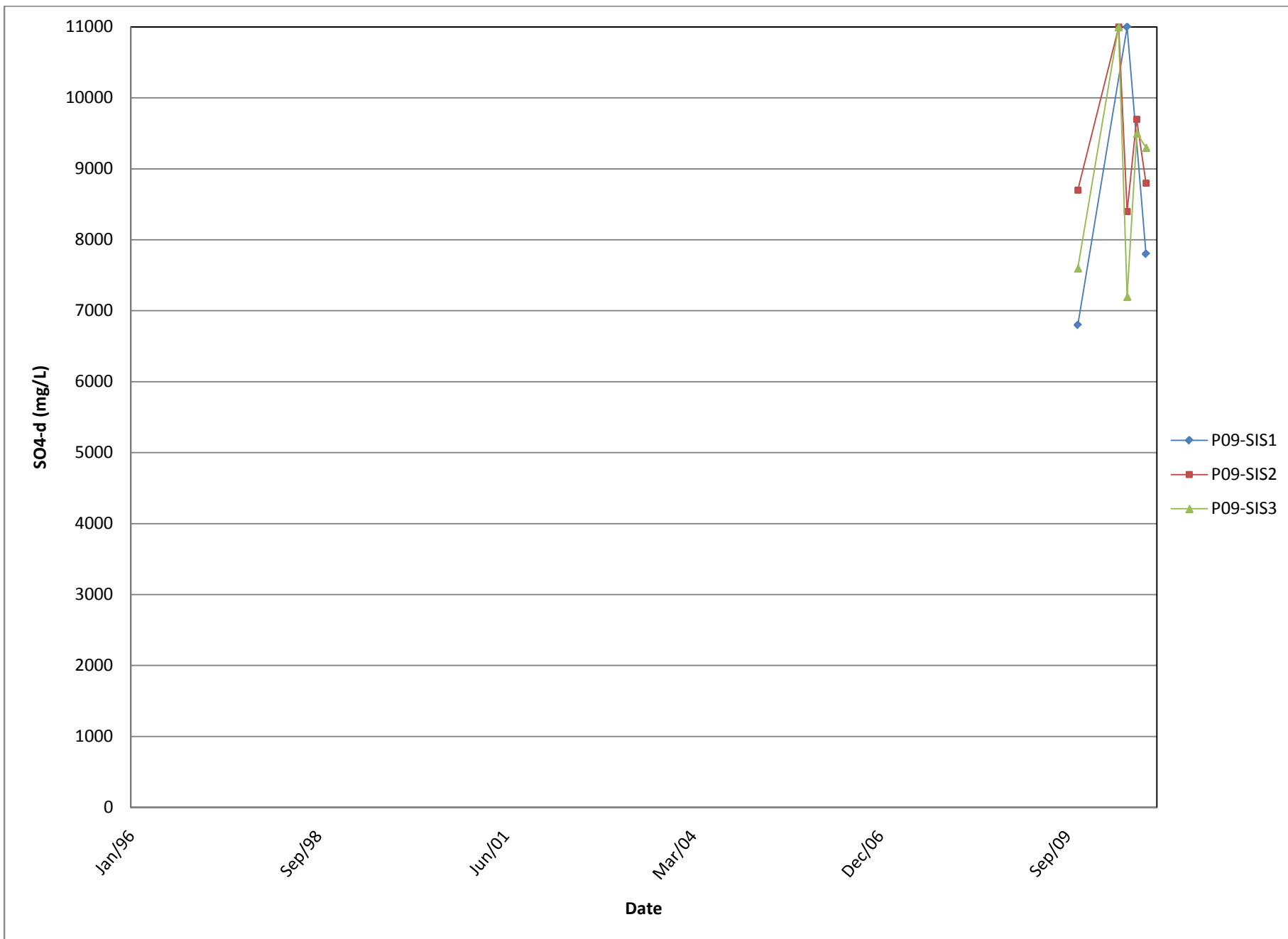
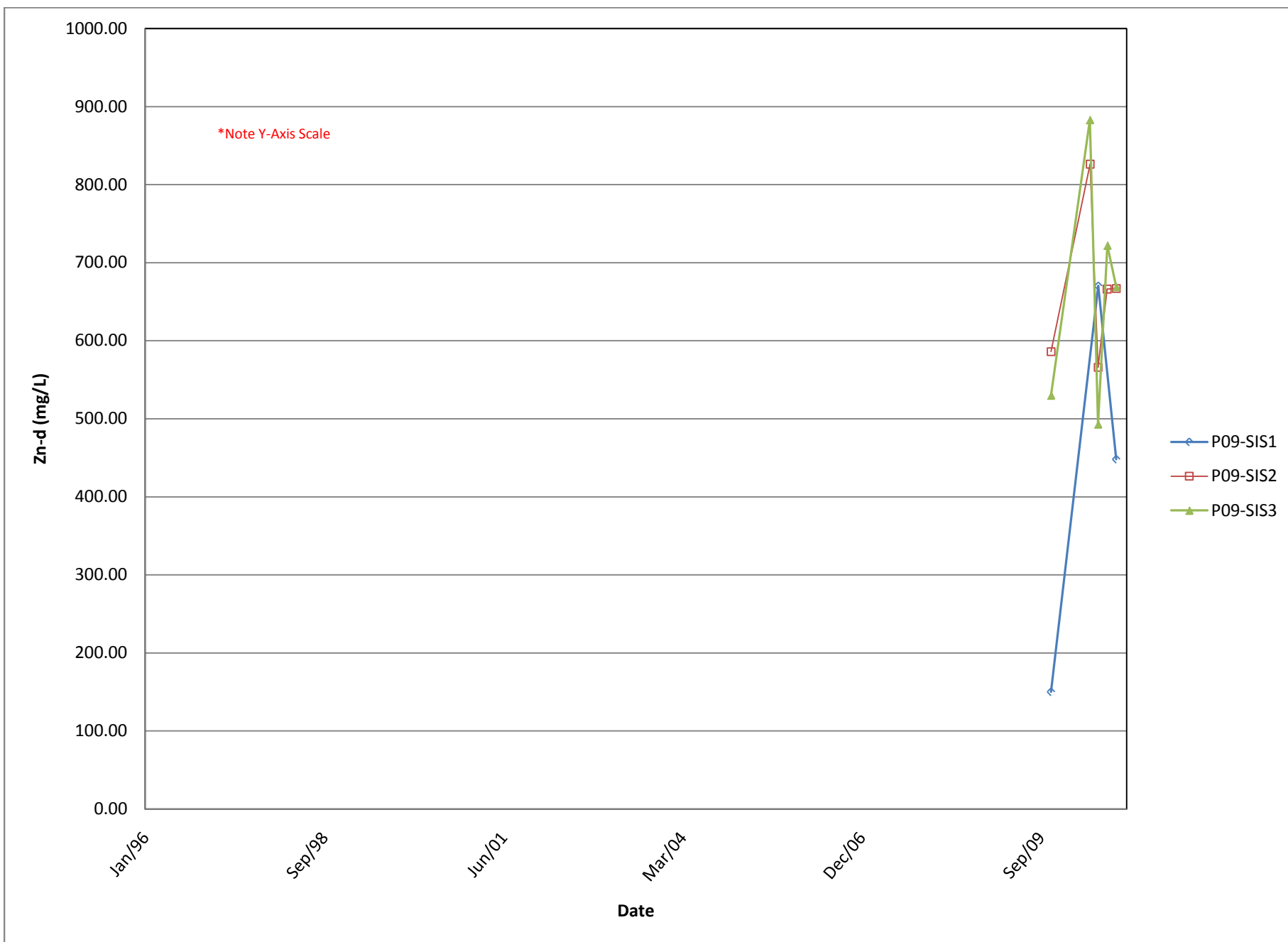


Figure 6-22: S-Wells Area Zinc Concentration (Dissolved)
P09-SIS1,2+3 (1996-2010)



**Figure 6-23: S-Wells Area Sulfate Concentration (Dissolved)
P09-SIS4,5+6 (1996-2010)**

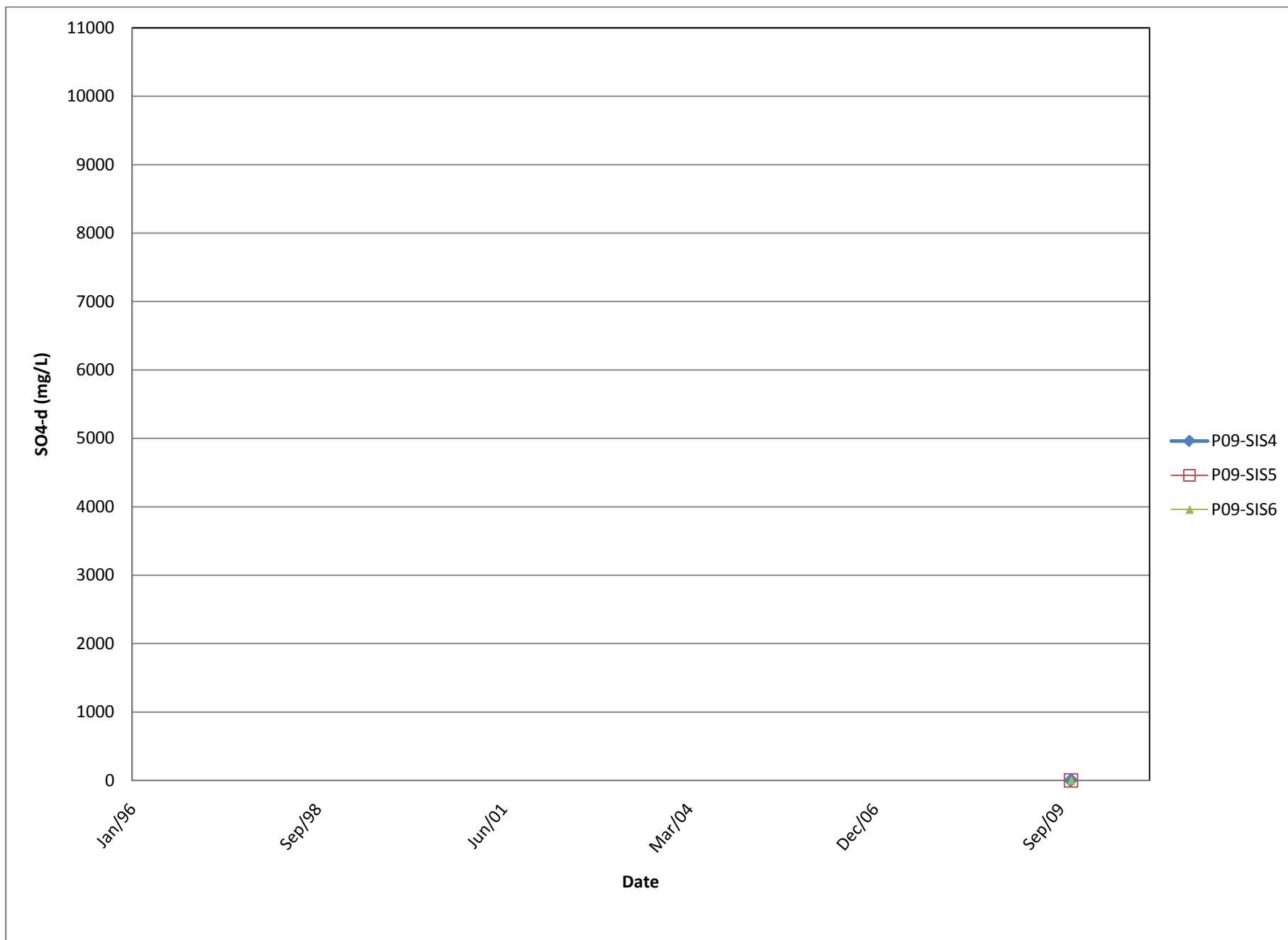


Figure 6-24: S-Wells Area Zinc Concentration (Dissolved)
P09-SIS4,5+6 (1996-2010)

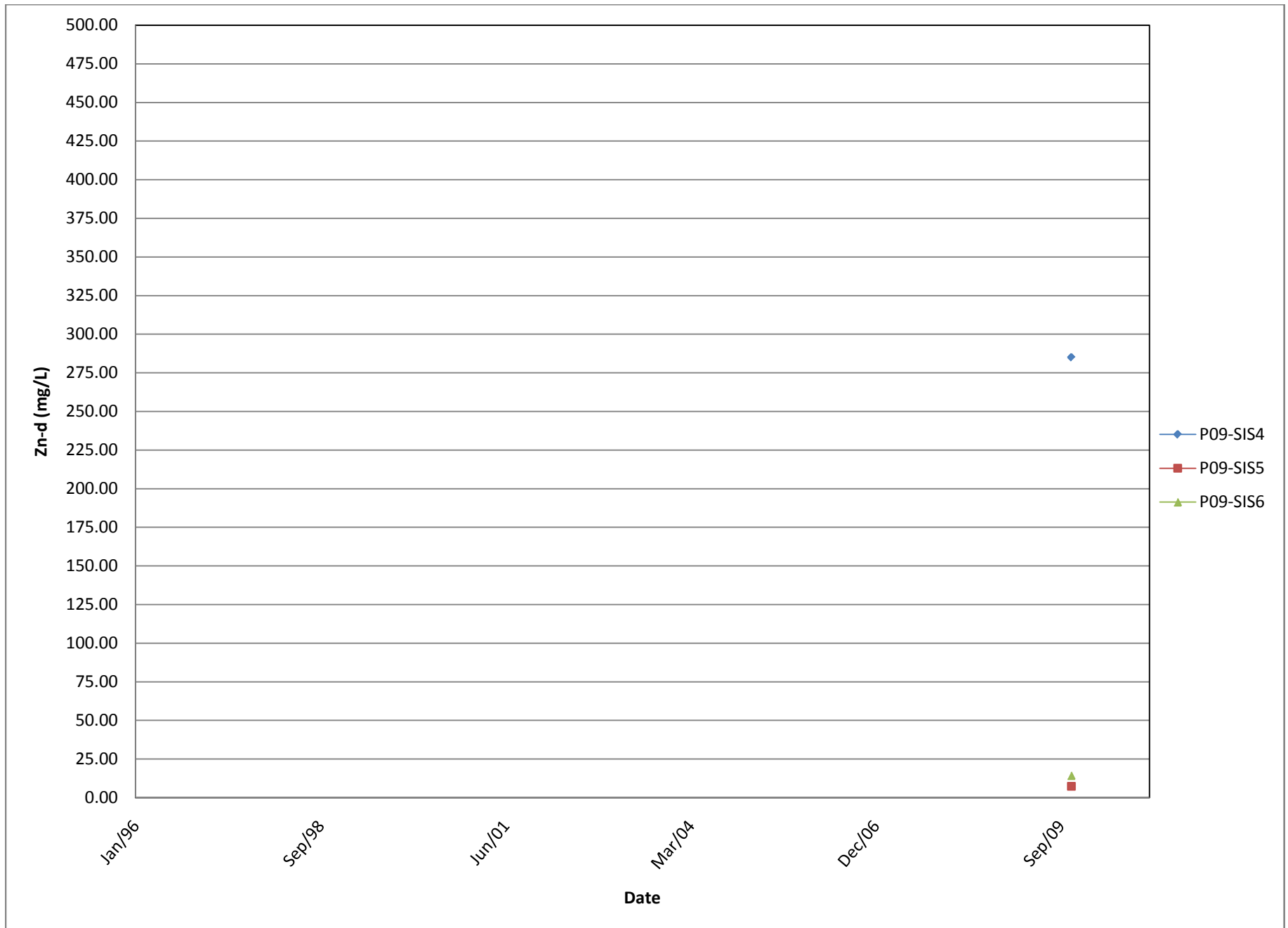


Figure 6-25: S-Wells Area Sulfate Concentration (Dissolved)
P96-6 (1996-2010)

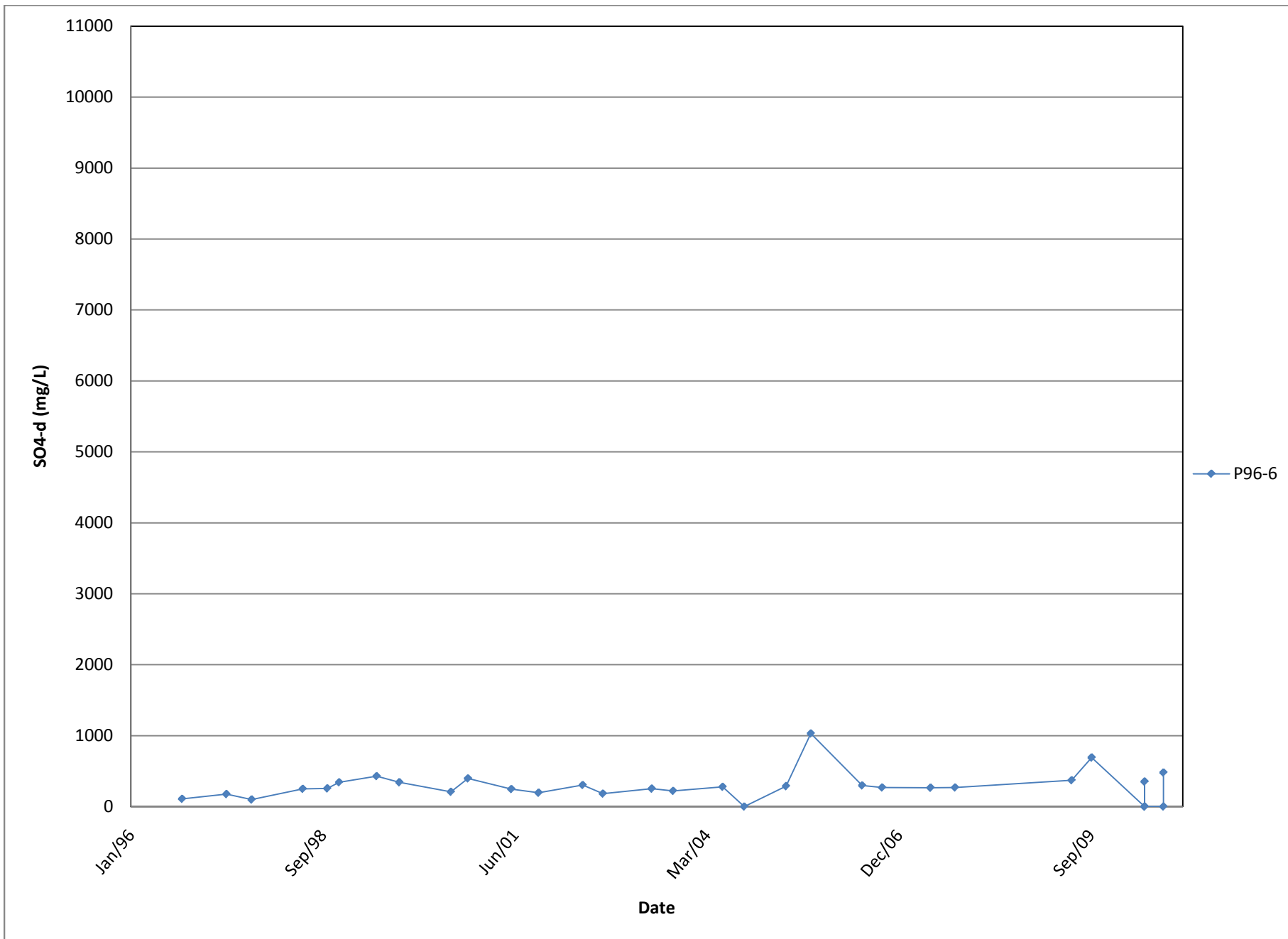
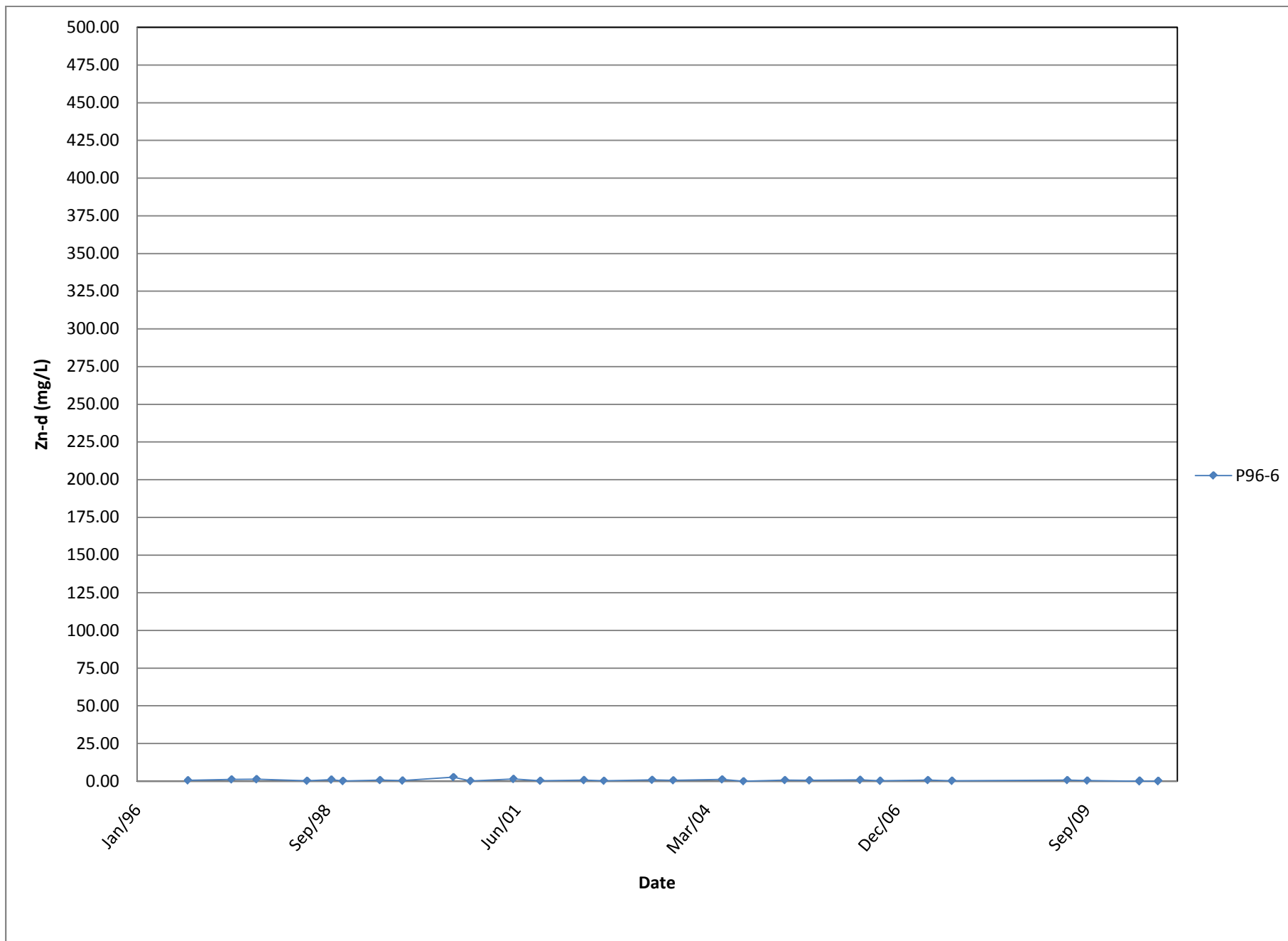


Figure 6-26: S-Wells Area Zinc Concentration (Dissolved)
P96-6 (1996-2010)



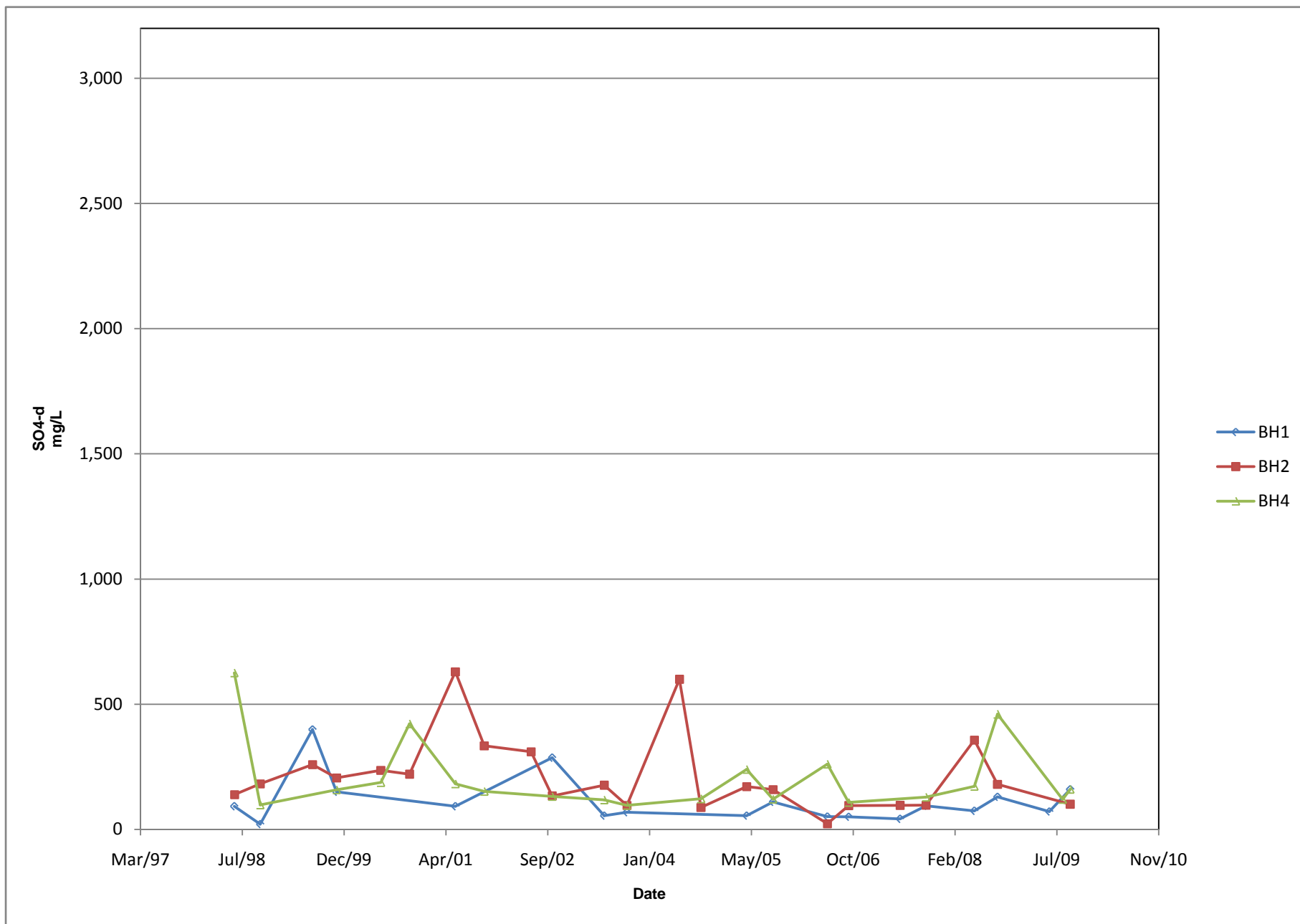
**Faro Mine Complex Groundwater
Table 6-4: North Fork of Rose Creek
Historic Groundwater Quality (1998-2010)**

| Station | Date | Dissolved Metals | |
|------------|------------|------------------|-----------|
| | | SO4-d mg/L | Zn-d mg/L |
| SRK08-P12A | 8/27/2008 | 154 | 0.978 |
| | 11/5/2008 | 170 | 1.000 |
| | 8/4/2009 | 130 | 0.847 |
| | 9/10/2009 | 140 | 0.989 |
| | 9/16/2010 | 130 | 0.967 |
| SRK08-P12B | 8/27/2008 | 86.9 | 0.207 |
| | 11/5/2008 | 76 | 0.229 |
| | 8/4/2009 | 89 | 0.203 |
| | 9/10/2009 | 94 | 0.227 |
| | 9/16/2010 | 89 | 0.233 |
| BH1 | 6/15/1998 | 92 | 0.280 |
| | 10/20/1998 | 21 | 0.280 |
| | 7/4/1999 | 399 | 25.870 |
| | 7/4/1999 | 150 | 3.520 |
| | 6/5/2001 | 92 | 1.750 |
| | 9/23/2002 | 286 | 2.260 |
| | 6/5/2003 | 55 | 0.823 |
| | 9/25/2003 | 68 | 1.730 |
| | 5/5/2005 | 54.9 | 0.615 |
| | 9/11/2005 | 110 | 0.951 |
| | 6/5/2006 | 51.3 | 1.370 |
| | 9/18/2006 | 50.5 | 2.090 |
| | 5/28/2007 | 41.4 | 0.971 |
| | 10/2/2007 | 94.1 | 2.430 |
| | 5/27/2008 | 73.6 | 2.010 |
| 9/18/2008 | 130 | 1.090 | |
| 5/30/2009 | 71 | 1.120 | |
| 9/10/2009 | 160 | 1.470 | |
| BH2 | 6/16/1998 | 139 | 3.100 |
| | 10/20/1998 | 182 | 5.04 |
| | 7/4/1999 | 259 | 9.85 |
| | 10/30/1999 | 206 | 4.15 |
| | 6/4/2000 | 236 | 7.53 |
| | 10/22/2000 | 220 | 15.02 |
| | 6/5/2001 | 630 | 26.7 |
| | 10/25/2001 | 334 | 24.8 |
| | 6/11/2002 | 310 | 17.7 |
| | 9/23/2002 | 133 | 11.3 |
| | 6/5/2003 | 176 | 16 |
| | 9/25/2003 | 96 | 22.1 |
| | 6/9/2004 | 599 | 45.5 |
| | 9/23/2004 | 87.6 | 9.52 |
| | 5/5/2005 | 171 | 13.5 |
| | 9/11/2005 | 159 | 17.3 |
| | 6/5/2006 | 23 | 24 |
| | 9/18/2006 | 94.6 | 10.5 |
| | 5/28/2007 | 95.5 | 7.02 |
| | 10/2/2007 | 97 | 10.8 |
| 5/27/2008 | 357 | 21.6 | |
| 9/18/2008 | 180 | 14.6 | |
| 9/10/2009 | 100 | 7.37 | |

| Station | Date | Dissolved Metals | |
|-----------|------------|------------------|-----------|
| | | SO4-d mg/L | Zr-d mg/L |
| BH12A | 6/29/1998 | 498 | 0.005 |
| | 10/19/1998 | 159 | 0.01 |
| | 10/30/1999 | 259 | 0.07 |
| | 6/26/2000 | 578 | 0.64 |
| | 10/22/2000 | 288 | 0.01 |
| | 6/4/2001 | 583 | 0.25 |
| | 10/25/2001 | 382 | 0.23 |
| | 6/11/2002 | 1340 | 0.2 |
| | 6/6/2003 | 1270 | 0.23 |
| | 9/25/2003 | 358 | 0.113 |
| | 6/10/2004 | 461 | 0.121 |
| | 5/6/2005 | 475 | 0.175 |
| | 9/11/2005 | 298 | 0.201 |
| BH12B | 6/5/2006 | 135 | 0.558 |
| | 9/18/2006 | 307 | 0.155 |
| | 10/2/2007 | 304 | 0.224 |
| | 6/29/1998 | 562 | 0.562 |
| | 10/19/1998 | 488 | 0.488 |
| | 10/30/1999 | 805 | 0.805 |
| | 6/26/2000 | 633 | 0.633 |
| | 10/22/2000 | 257 | 0.257 |
| | 6/4/2001 | 628 | 0.628 |
| | 6/11/2002 | 1060 | 1.06 |
| | 9/25/2002 | 340 | 0.34 |
| | 6/6/2003 | 1210 | 1.21 |
| | 9/25/2003 | 369 | 0.369 |
| 6/10/2004 | 437 | 0.437 | |
| 5/6/2005 | 451 | 0.451 | |
| 9/11/2005 | 315 | 0.315 | |
| 6/5/2006 | 133 | 0.133 | |
| 9/18/2006 | 285 | 0.285 | |
| 10/2/2007 | 379 | 0.379 | |
| 5/27/2008 | 765 | 0.765 | |
| 9/18/2008 | 350 | 0.35 | |
| 5/30/2009 | 1200 | 1.2 | |
| BH13A | 6/10/2004 | | 0.0533 |
| | 5/6/2005 | 406 | 0.0091 |
| | 9/11/2005 | 234 | 0.0191 |
| BH13B | 10/2/2007 | 142 | 0.0265 |
| | 10/19/1998 | 416 | 0.005 |
| | 10/30/1999 | 603 | 0.04 |
| | 10/22/2000 | 379 | 0.02 |
| | 10/25/2001 | 513 | 0.05 |
| | 9/25/2002 | 439 | 0.01 |
| | 9/11/2005 | 437 | 0.008 |
| | 9/18/2006 | 584 | 0.011 |
| | 10/2/2007 | 623 | 0.0091 |
| | 9/18/2008 | 890 | 0.002 |
| | 9/12/2009 | 590 | 0.0065 |
| | 9/21/2010 | 560 | 0.0121 |

| Station | Date | Dissolved Metals | |
|------------|------------|------------------|-----------|
| | | SO4-d mg/L | Zr-d mg/L |
| BH14A | 6/29/1998 | 723 | 0.01 |
| | 10/19/1998 | 974 | 0.005 |
| | 10/30/1999 | 544 | 0.005 |
| | 6/26/2000 | 805 | 0.71 |
| | 10/22/2000 | 804 | 0.005 |
| | 6/4/2001 | 1674 | 0.05 |
| | 6/11/2002 | 1780 | 0.025 |
| | 9/25/2002 | 1980 | 0.015 |
| | 6/5/2003 | 1690 | 0.016 |
| | 9/25/2003 | 1860 | 0.03 |
| | 6/10/2004 | 1620 | 0.0151 |
| | 5/5/2005 | 1550 | 0.019 |
| | 9/11/2005 | 2040 | 0.164 |
| | 6/5/2006 | 201 | 0.097 |
| | 9/18/2006 | 1920 | 0.55 |
| | 5/28/2007 | 1840 | 0.121 |
| | 10/2/2007 | 2030 | 0.59 |
| | BH14B | 5/27/2008 | 1810 |
| 9/18/2008 | | 3200 | 11.9 |
| 5/30/2009 | | 3100 | 15.3 |
| 9/12/2009 | | 2800 | 11.8 |
| 6/11/2010 | | 2600 | 8.64 |
| 9/21/2010 | | 2200 | 16.4 |
| 6/29/1998 | | 755 | 0.005 |
| 10/19/1998 | | 948 | 0.005 |
| 10/30/1999 | | 1063 | 0.05 |
| 6/3/2000 | | 958 | 0.05 |
| 10/22/2000 | | 872 | 0.005 |
| 6/4/2001 | | 1664 | 0.04 |
| 10/25/2001 | | 2000 | 0.025 |
| 6/11/2002 | | 1800 | 0.025 |
| 9/25/2002 | | 1700 | 0.015 |
| 6/5/2003 | | 1740 | 0.11 |
| 9/25/2003 | | 1550 | 0.05 |
| 6/10/2004 | | 1500 | 0.0219 |
| 5/5/2005 | 20 | 0.042 | |
| 9/11/2005 | 1570 | 0.0763 | |
| 6/5/2006 | 182 | 0.155 | |
| 9/18/2006 | 1790 | 0.391 | |
| 5/28/2007 | 1660 | 0.224 | |
| 10/2/2007 | 1710 | 0.239 | |
| 5/27/2008 | 1770 | 0.27 | |
| 9/18/2008 | 2400 | 7.08 | |
| 5/30/2009 | 3200 | 3.01 | |
| 9/12/2009 | 2000 | 1.05 | |
| 6/11/2010 | 2600 | 0.306 | |
| 9/21/2010 | 2400 | 0.212 | |

Figure 6-29: North Fork of Rose Creek Sulfate Concentration (Dissolved) BH1, BH2 + BH4 (1998-2010)



**Figure 6-30: North Fork of Rose Creek Zinc Concentration (Dissolved)
BH1, BH2 + BH4 (1998-2010)**

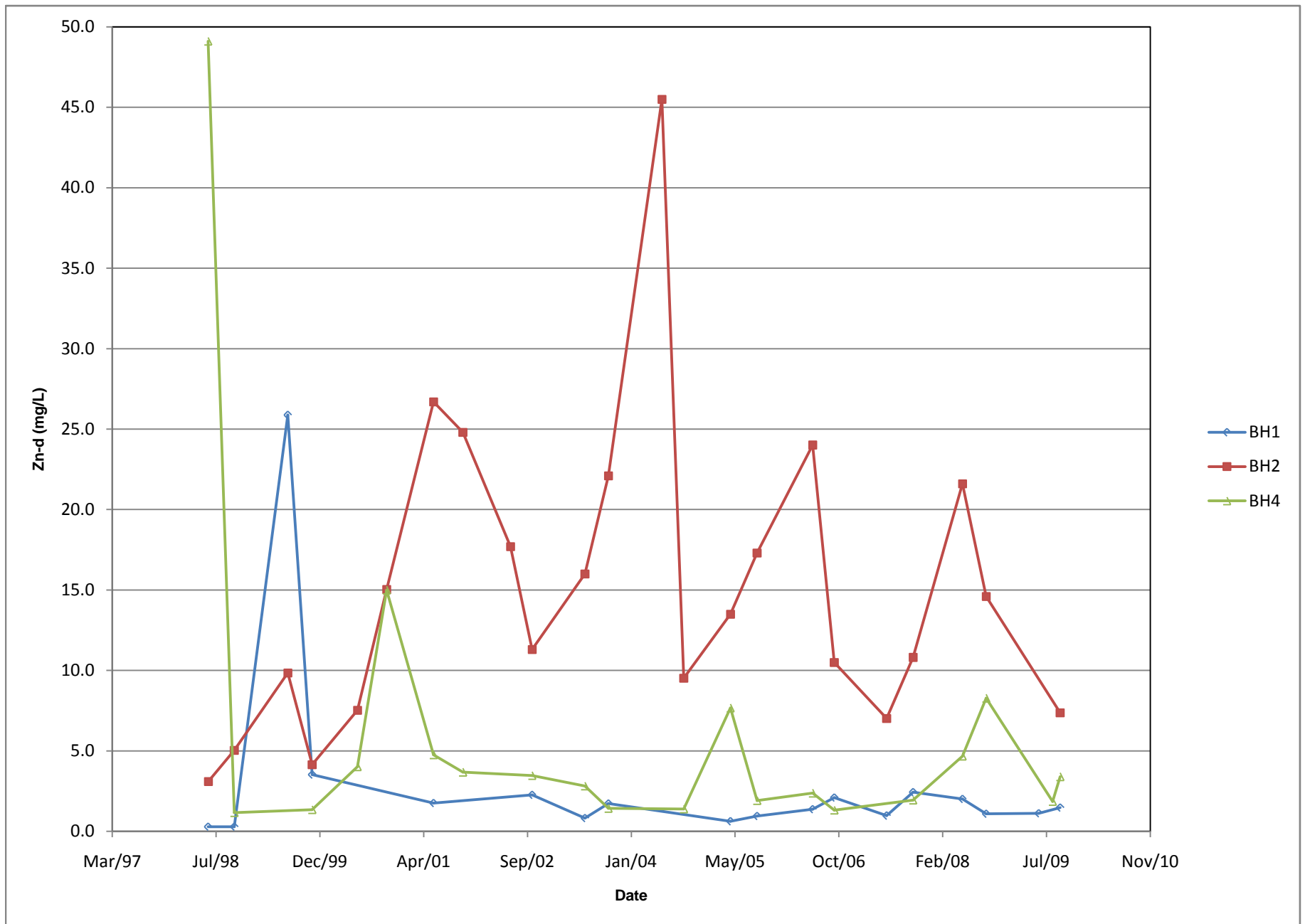


Figure 6-31: North Fork of Rose Creek Sulfate Concentration (Dissolved) BH12A+B (1998-2010)

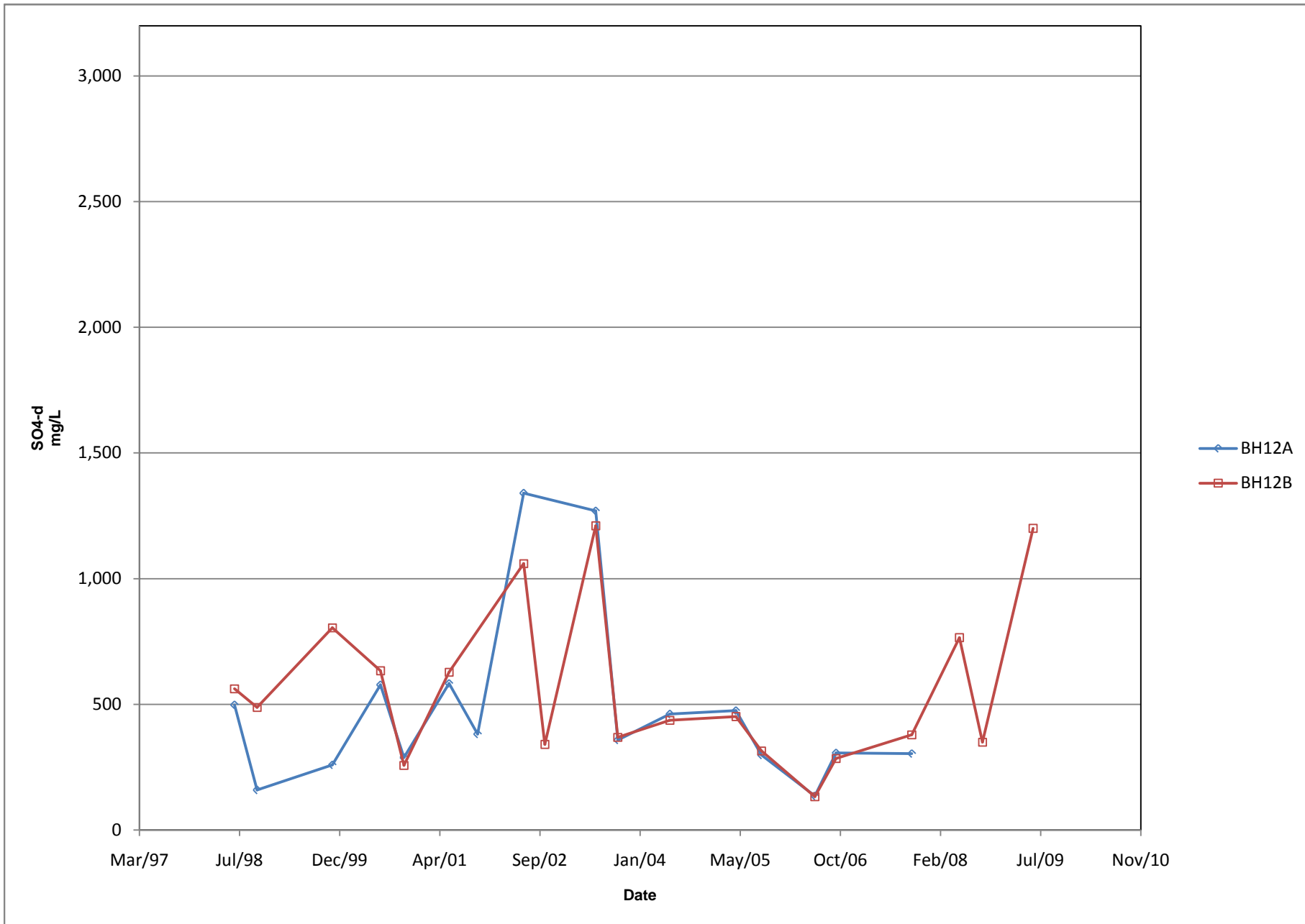


Figure 6-32: North Fork of Rose Creek Zinc Concentration (Dissolved)
BH12A+B (1998-2010)

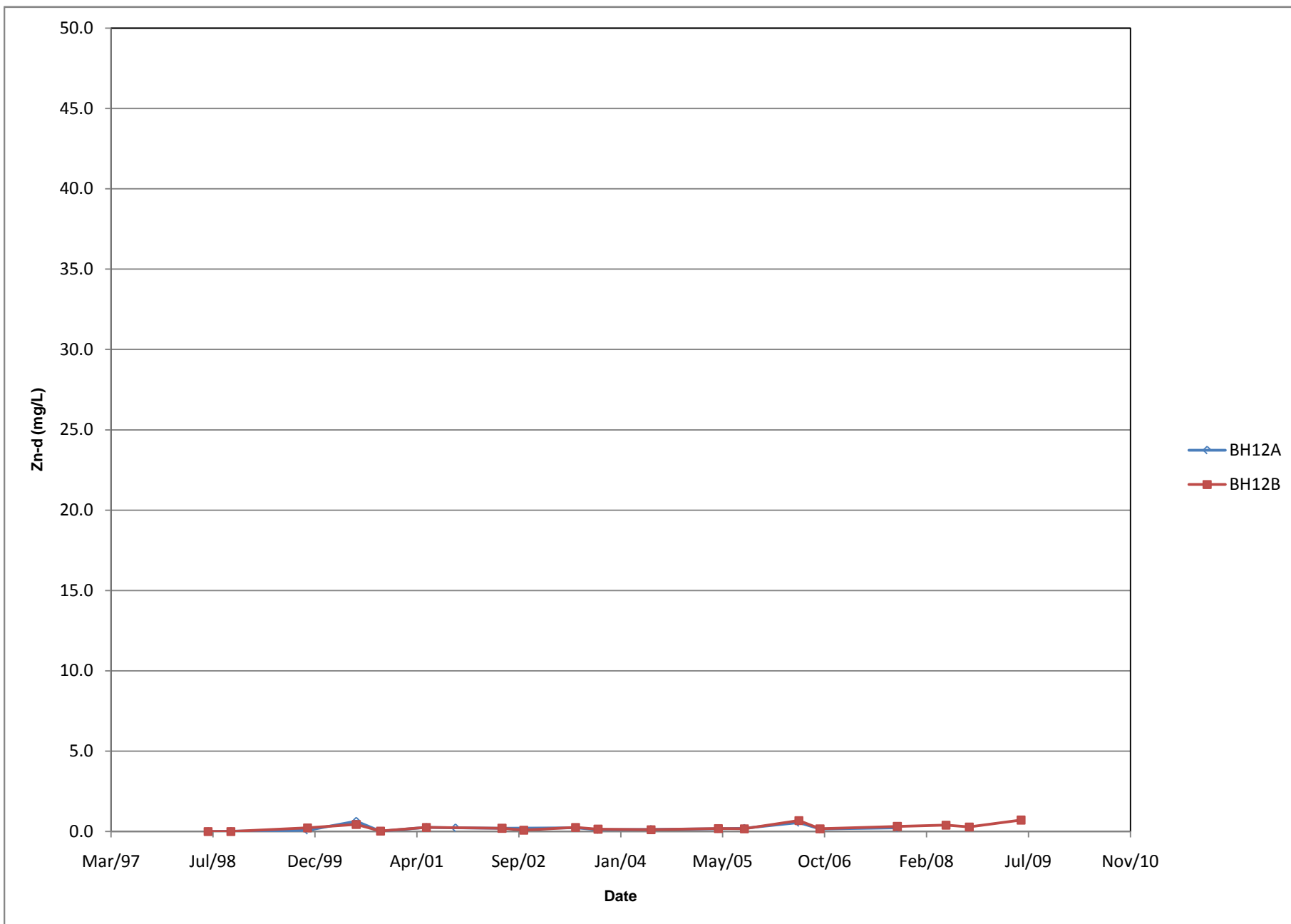


Figure 6-33: North Fork of Rose Creek Sulfate Concentration (Dissolved)
BH13A+B (1998-2010)

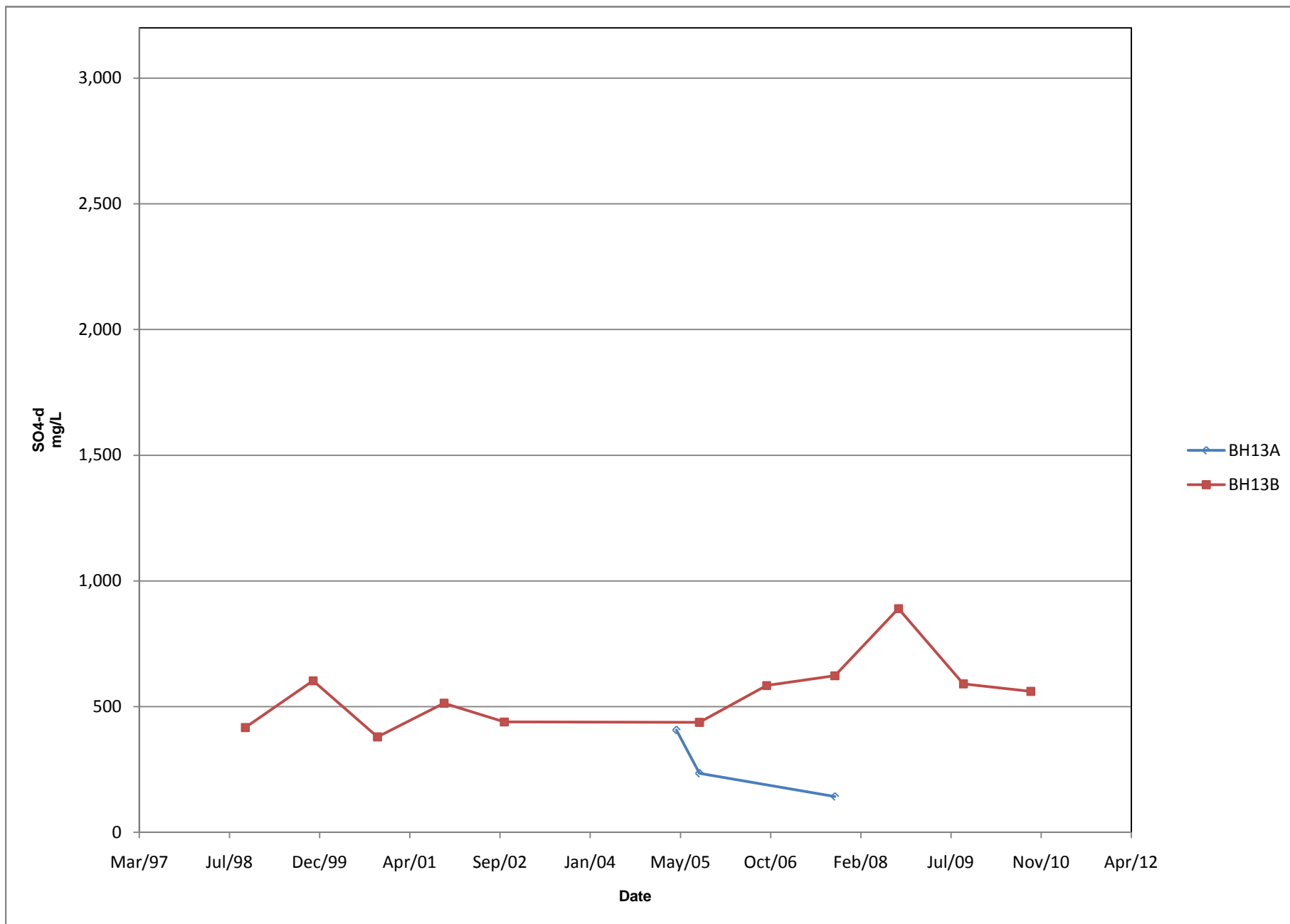


Figure 6-34: North Fork of Rose Creek Zinc Concentration (Dissolved)
BH13A+B (1998-2010)

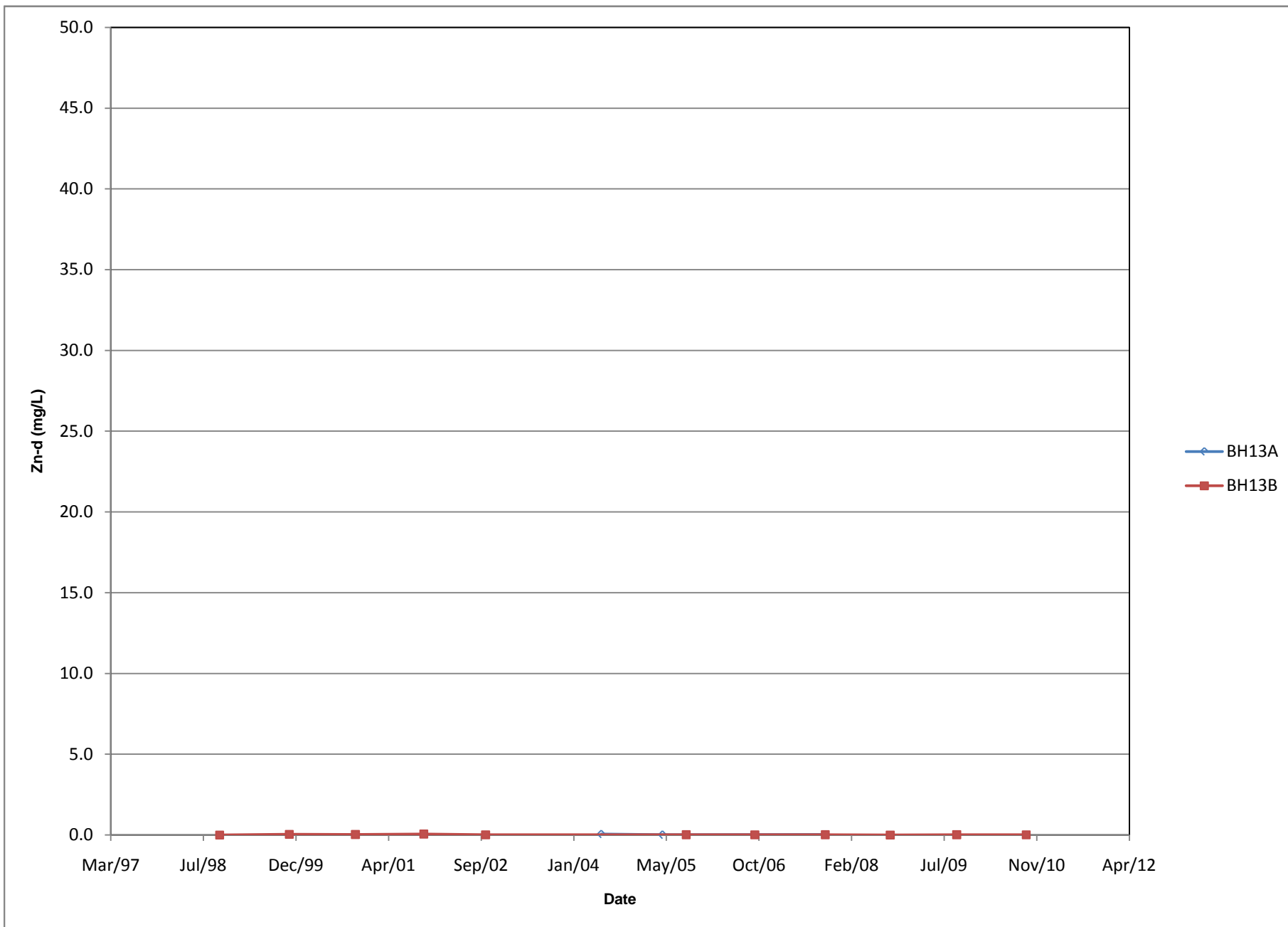


Figure 6-35: North Fork of Rose Creek Sulfate Concentration (Dissolved) BH14A+B (1998-2010)



Figure 6-36: North Fork of Rose Creek Zinc Concentration (Dissolved)
BH14A+B (1998-2010)

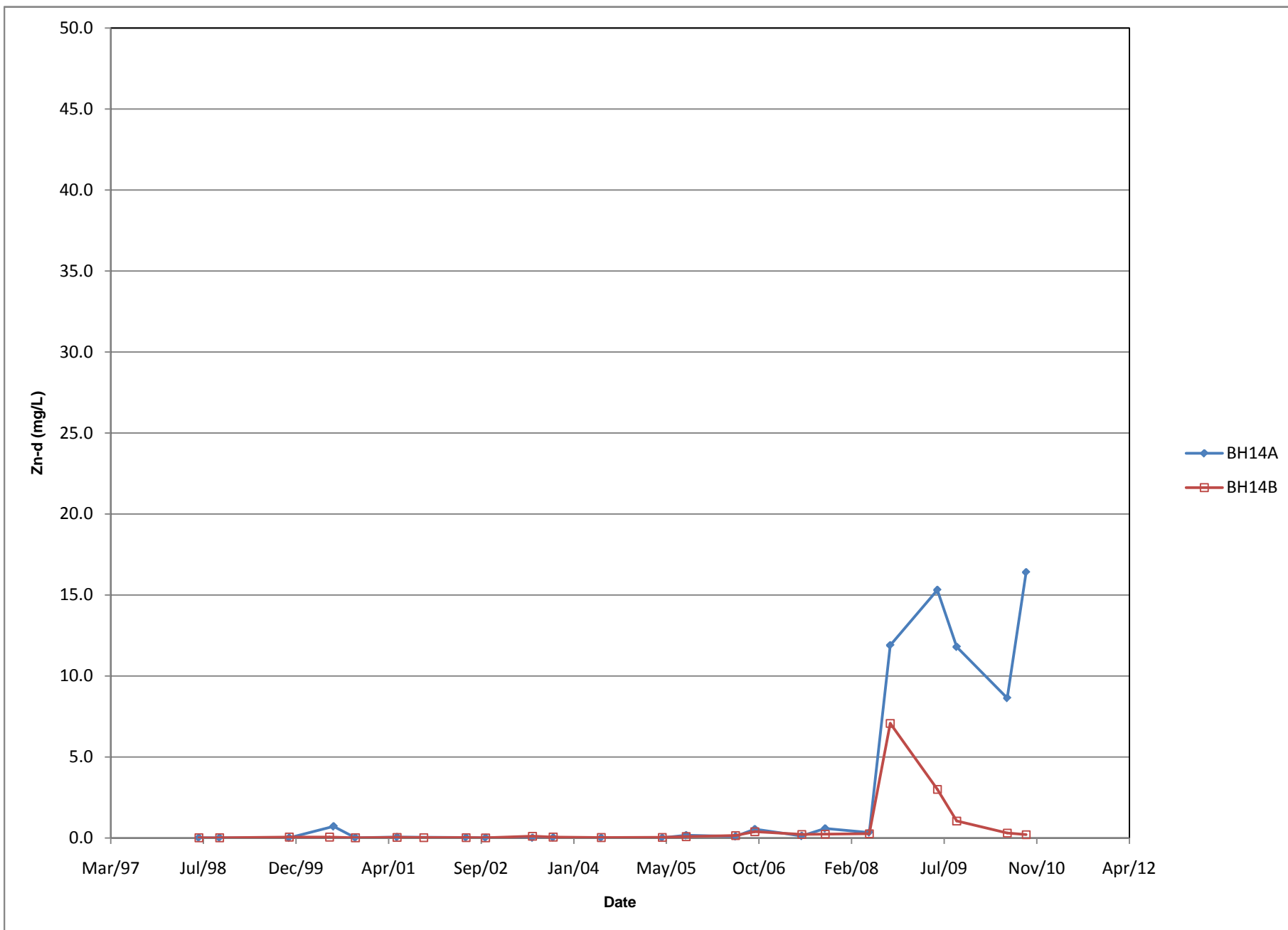


Figure 6-37: North Fork of Rose Creek Sulfate Concentration (Dissolved)
SRK08-P12A+B (1998-2010)

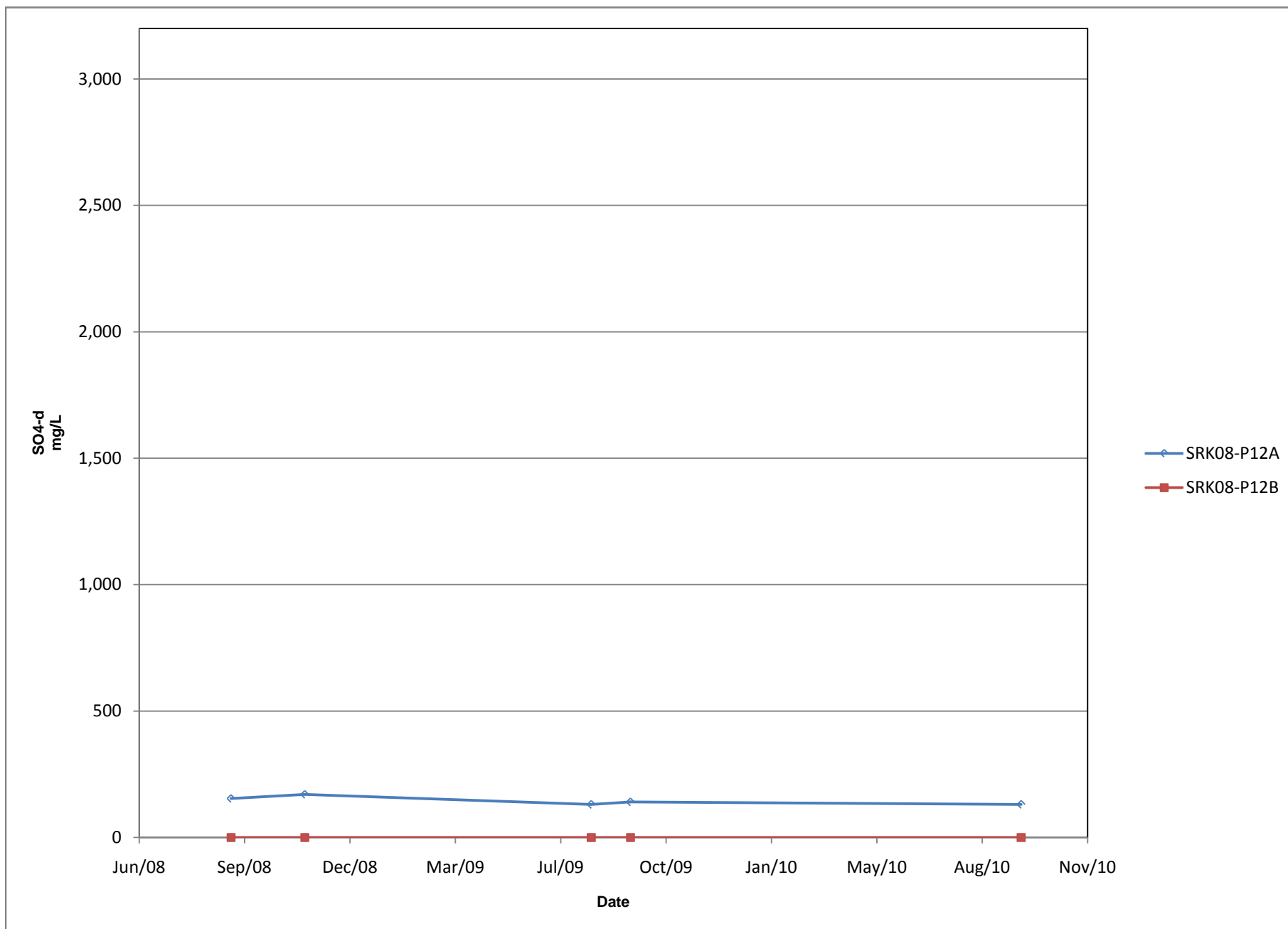


Figure 6-38: North Fork of Rose Creek Zinc Concentration (Dissolved)
SRK08-P12A+B (1998-2010)

