# APPENDIX C

# Select Site Investigation Reports (Provided on CD)

# Appendix I
# Laboratory Data Deliverables

(electronic version available on request from KCSWD)

# Appendix J
# Field Water Quality Parameters

| | | CONDUCTANCE | DISSOLVED OXYGEN | pH | TEMPERATURE | TURBIDITY |
|---|---|---|---|---|---|---|
| Surface Water Quality Criteria (SWQC) | | µs/cm | mg/l | pH units | deg c | ntu |
| WA State | Acute | None | None | None | None | None |
| | Chronic | None | 8 | 6.5 - 8.5 | 18 °C | > 5 ntu |
| Federal | Acute | NC | 4 | NC | None | NC |
| | Chronic | NC | 6.5 | 6.5 - 9 | None | NC |
| **SEEPAGE SAMPLING LOCATIONS** | | | | | | |
| SW-24S | 5/9/2007 | 858 | 4.69 | 6.87 | 12.5 | 6.59 |
| | 8/15/2007 | 755 | 19.5 | 6.87 | 11.5 | 22.7 |
| | 10/31/2007 | 652 | 4.02 | 6.83 | 9.6 | 5.2 |
| | 12/19/2007 | 685 | | | 9.5 | 89.3 |
| | 3/11/2008 | 760 | 3.74 | 7.06 | 8.8 | 23.6 |
| | 10/7/2008 | 714 | 4.34 | 6.77 | 10.8 | 25 |
| | 1/7/2009 | 649 | 4.51 | 6.87 | 10.8 | 85.3 |
| | 3/25/2009 | 563 | 5.69 | 6.94 | 9.1 | 64.6 |
| | 7/14/2009 | 645 | 5.64 | 7.01 | 12.5 | 13.7 |
| | 10/27/2009 | 709 | 1.13 | 6.82 | 10.1 | 13.9 |
| | 1/28/2010 | 622 | 7.88 | 6.73 | 10.6 | |
| | 4/15/2010 | 620 | 36.9 | 6.53 | 10.5 | 19.3 |
| | 8/12/2010 | 823 | | 6.77 | 11.7 | 15.8 |
| | 11/2/2010 | 691 | 2.06 | 6.65 | 11.6 | 63.5 |
| SW-S1 | 5/11/2007 | 179.6 | 7.49 | 7.49 | 11.4 | 50.9 |
| | 8/14/2007 | 200 | 4.95 | 7.12 | 13.5 | 48.7 |
| | 10/31/2007 | 192 | 6.3 | 7.06 | 9.1 | 5.93 |
| | 12/19/2007 | 224 | 8.69 | 7.89 | 7.7 | 7.11 |
| | 3/11/2008 | 211 | 6.4 | 7.69 | 7.9 | 18.8 |
| | 10/7/2008 | 226 | 8.09 | 6.75 | 11.7 | 158 |
| | 1/7/2009 | 214 | 10.2 | 6.8 | 9.2 | 88 |
| | 3/25/2009 | 183.1 | 6.71 | 7.35 | 7.4 | 13.3 |
| | 7/14/2009 | 197 | 4.16 | 6.82 | 13.8 | 42.1 |
| | 10/27/2009 | 163.3 | 6.89 | 6.8 | 8.6 | 45.9 |
| | 2/4/2010 | 167.2 | 4.29 | 7.24 | | 12.2 |
| | 4/15/2010 | 196.8 | 7.65 | 6.79 | 9.6 | 5.92 |
| | 11/2/2010 | 158.2 | 5.27 | 6.94 | 12.1 | 7.92 |
| SW-S2 | 5/9/2007 | 1031 | 6.01 | 7.05 | 12.5 | 6.49 |
| | 8/15/2007 | 936 | 1.63 | 6.72 | 11.8 | 54 |
| | 10/31/2007 | 942 | 5.11 | 7.14 | 9.3 | 130 |
| | 12/19/2007 | 978 | | | 9.8 | 54 |
| | 3/11/2008 | 1034 | 4.01 | 7.04 | 9.5 | 33.8 |
| | 7/16/2008 | 1024 | 3.5 | 6.93 | 11.2 | 4.47 |
| | 10/7/2008 | 1027 | 4.18 | 6.85 | 10.9 | 5.66 |
| | 1/7/2009 | 886 | 3.56 | 6.85 | 10.6 | 3.03 |
| | 3/25/2009 | 905 | 3.23 | 6.81 | | 24.9 |
| | 7/14/2009 | 870 | 3.97 | 6.91 | 11.8 | 25.7 |
| | 10/27/2009 | 766 | 4.44 | 6.78 | 10.1 | 13.6 |
| | 2/4/2010 | 965 | 3.33 | 6.87 | 10.6 | 2.02 |
| | 8/12/2010 | 915 | | 6.65 | 12 | 24.6 |
| | 11/2/2010 | 761 | 1.48 | 6.49 | 11.8 | 27.5 |
| SW-S3 | 5/11/2007 | 365 | 4.33 | 7.07 | 11 | |
| | 8/15/2007 | 507 | 0.95 | 6.79 | 15 | 9.61 |
| | 10/30/2007 | 411 | 2.23 | 6.92 | 10 | 51.9 |
| | 12/20/2007 | 438 | 3.99 | 7.37 | 6.7 | 15.9 |
| | 3/11/2008 | 447 | 2.37 | 6.98 | 8 | 13.9 |
| | 10/7/2008 | 447 | 5.58 | 7.13 | 12.1 | 22 |
| | 1/7/2009 | 361 | 4.11 | 6.84 | 8.8 | 17.2 |
| | 3/25/2009 | 398 | 4.15 | 6.86 | 6.9 | 11.1 |

| | | CONDUCTANCE | DISSOLVED OXYGEN | pH | TEMPERATURE | TURBIDITY |
|---|---|---|---|---|---|---|
| Surface Water Quality Criteria (SWQC) | | µs/cm | mg/l | pH units | deg c | ntu |
| WA State | Acute | None | None | None | None | None |
| | Chronic | None | 8 | 6.5 - 8.5 | 18 °C | > 5 ntu |
| Federal | Acute | NC | 4 | NC | None | NC |
| | Chronic | NC | 6.5 | 6.5 - 9 | None | NC |
| **SEEPAGE SAMPLING LOCATIONS (continued)** | | | | | | |
| SW-S3 (cont.) | 7/14/2009 | 519 | 1.34 | 7.02 | 13.8 | 13.7 |
| | 10/27/2009 | 432 | 2.7 | 6.91 | 9.6 | 15.6 |
| | 2/4/2010 | 365 | 1.98 | 6.65 | 8.5 | 19.9 |
| | 4/15/2010 | 393 | 2.75 | 6.37 | 9.2 | 24.3 |
| | 8/12/2010 | 472 | | 6.42 | 13.7 | 16.8 |
| | 11/2/2010 | 450 | 1.45 | 6.61 | 11.9 | 3.37 |
| SW-S4 | 5/10/2007 | 445 | 6.94 | 6.94 | 10.3 | |
| | 8/16/2007 | 465 | 0.69 | 6.95 | 10.5 | 8.42 |
| | 10/30/2007 | 443 | 5.94 | 7.08 | 9.9 | 111 |
| | 12/19/2007 | 403 | 5.35 | 7.6 | 8.8 | 59.9 |
| | 3/13/2008 | 327 | 2.3 | 7.06 | 8.5 | 81.5 |
| | 7/16/2008 | 407 | 4.87 | 7.18 | 12.9 | 11.7 |
| | 10/7/2008 | 540 | 4.79 | 7.12 | 11.4 | 7.41 |
| | 1/7/2009 | 440 | 2.12 | 6.96 | 10 | 39.5 |
| | 3/23/2009 | 426 | 7.03 | 7.45 | 8.7 | 9.15 |
| | 7/14/2009 | 562 | 8.55 | 7.11 | 13.4 | 109 |
| | 10/27/2009 | 579 | 1.89 | 6.83 | 9.5 | 214 |
| | 1/29/2010 | 530 | 4.4 | 7.18 | 10 | 63.1 |
| | 4/14/2010 | 570 | 2.85 | 6.2 | 9.1 | 14 |
| | 8/11/2010 | 717 | | 6.9 | 14.2 | 4.27 |
| | 11/2/2010 | 456 | 1.53 | 6.69 | 11.3 | 3.81 |
| SW-S5 | 5/10/2007 | 319 | 2.86 | 7.08 | 10.5 | 6.17 |
| | 8/16/2007 | 259 | 0.61 | 6.95 | 12.3 | 6.57 |
| | 11/1/2007 | 392 | 3.88 | 7.09 | 9.7 | 34.1 |
| | 12/18/2007 | 407 | 3.45 | 7.33 | 8.5 | 34.1 |
| | 3/13/2008 | 344 | 4.07 | 6.98 | 8.7 | 1.31 |
| | 7/16/2008 | 350 | 3.81 | 7.25 | 11.6 | 5.87 |
| | 10/7/2008 | 346 | 5.31 | 7.62 | 10.9 | 4.16 |
| | 1/7/2009 | 363 | 5.55 | 7.43 | 9.8 | 2.34 |
| | 3/24/2009 | 361 | 4.92 | 7.46 | 8.6 | 3.59 |
| | 7/16/2009 | 349 | 4.24 | 6.9 | 12.8 | 1.67 |
| | 10/27/2009 | 220 | 4.18 | 7.12 | 9.4 | 2.28 |
| | 1/29/2010 | 446 | 5.08 | 7.2 | 9.6 | 1.26 |
| | 4/14/2010 | 360 | 2.2 | 6.35 | 9.5 | 1.23 |
| | 8/11/2010 | 466 | | 6.51 | 12.9 | 1.28 |
| | 11/5/2010 | 328 | 2.48 | 6.62 | 11.3 | 5.03 |
| SW-S6 | 5/10/2007 | 388 | 5.82 | 7.01 | 10.4 | |
| | 8/16/2007 | 356 | 0.97 | 6.82 | 13 | 11.6 |
| | 11/1/2007 | 377 | 2.75 | 6.81 | 9.4 | 34.1 |
| | 12/18/2007 | 402 | 5.24 | 7.23 | 6.6 | 109 |
| | 3/13/2008 | 344 | 4.95 | 7.06 | 7.3 | 40.5 |
| | 7/16/2008 | 358 | 2.36 | 7.12 | 12.8 | 25.8 |
| | 10/7/2008 | 333 | 6.7 | 7.15 | 11.4 | 46.7 |
| | 1/6/2009 | 277 | 8 | 8.04 | 6.9 | 8.19 |
| | 3/24/2009 | 396 | 5.16 | 7.15 | 7.9 | 8.63 |
| | 10/27/2009 | 159.5 | 3.62 | 7.1 | 8.2 | 38 |
| | 1/29/2010 | 332 | | 7.08 | 9.3 | |
| | 4/14/2010 | 378 | 3.64 | 6.08 | 8.8 | 19.8 |

| | | CONDUCTANCE | DISSOLVED OXYGEN | pH | TEMPERATURE | TURBIDITY |
|---|---|---|---|---|---|---|
| Surface Water Quality Criteria (SWQC) | | µs/cm | mg/l | pH units | deg c | ntu |
| WA State | Acute | None | None | None | None | None |
| | Chronic | None | 8 | 6.5 - 8.5 | 18 °C | > 5 ntu |
| Federal | Acute | NC | 4 | NC | None | NC |
| | Chronic | NC | 6.5 | 6.5 - 9 | None | NC |
| **SEEPAGE SAMPLING LOCATIONS (continued)** | | | | | | |
| SW-S6 | 8/11/2010 | 545 | | 6.72 | 14 | 30.4 |
| (cont.) | 11/5/2010 | 392 | 2.1 | 6.87 | 11.2 | 14.5 |
| **WESTERN HILLSLOPE STREAMS/WEIR SAMPLING LOCATIONS** | | | | | | |
| SW-14E | 5/9/2007 | 417 | 10.6 | 8.11 | 10.5 | 32.8 |
| SW-W1 | 3/31/2000 | 390 | 10.92 | 7.81 | 9.6 | 21.7 |
| | 6/29/2000 | 475 | 9.82 | 7.78 | 14.3 | 14.8 |
| | 12/27/2001 | 290 | 10.59 | 7.26 | 7.6 | 8.67 |
| | 3/26/2003 | 260 | 10.78 | 7.52 | 8.5 | 3.42 |
| | 5/29/2003 | 260 | 10.89 | 7.65 | 13.89 | 43.5 |
| | 3/26/2004 | 320 | 10.64 | 6.99 | 8 | 16.6 |
| | 3/28/2007 | 181.2 | 9.5 | 7.76 | 9.1 | 7.87 |
| | 5/9/2007 | 199 | 11.42 | 7.8 | 11.2 | 14 |
| | 8/14/2007 | 229 | 7.04 | 7.73 | 13.9 | 238 |
| | 11/1/2007 | 239 | 13.33 | 7.69 | 9.1 | 87.9 |
| | 3/12/2008 | 216 | 7.05 | 7.82 | 7.4 | 271 |
| | 5/21/2008 | 248 | 5.6 | 7.82 | 11.3 | 10.7 |
| | 7/15/2008 | 205 | 8.61 | 7.91 | 13.8 | 53.9 |
| | 10/6/2008 | 228 | 8.48 | 7.2 | 12.4 | 27.3 |
| | 3/26/2009 | 202 | 9.87 | 8.43 | 5.6 | 3.15 |
| | 10/20/2009 | 173.1 | 6.07 | 7.84 | 11.3 | 18.8 |
| | 1/21/2010 | 192.3 | 14.2 | 7.29 | 8.6 | 11.4 |
| | 4/19/2010 | 237 | | 7.11 | 13.1 | 6.01 |
| | 8/16/2010 | 197 | | 7.22 | 17.3 | 34.5 |
| | 11/9/2010 | 200 | 9.33 | 6.65 | 8.6 | 47.9 |
| SW-W2 | 3/31/2000 | 800 | 11.05 | 7.8 | 9.8 | 14 |
| | 6/29/2000 | 970 | 9.96 | 8.07 | | 11 |
| | 9/29/2000 | 800 | 9.66 | 7.09 | 13.7 | 13.1 |
| | 12/21/2000 | 770 | 10.97 | 6.88 | 7.5 | 2.68 |
| | 3/29/2001 | 857 | 11.95 | 7.09 | 9.6 | 11.2 |
| | 6/26/2001 | 940 | 11.27 | 8.22 | 12.9 | 18.6 |
| | 12/27/2001 | 720 | 11.26 | 8.1 | 8.5 | 19.4 |
| | 3/28/2002 | 835 | 11.2 | 8.23 | 9.2 | 20.9 |
| | 6/26/2002 | 725 | 9.88 | 7.82 | 15.8 | 34.4 |
| | 9/27/2002 | 800 | 9.85 | 8.49 | 12.9 | 13.6 |
| | 12/13/2002 | 725 | 11.98 | 7.88 | 9.1 | 8.97 |
| | 3/26/2003 | 700 | 11.47 | 7.89 | 9.2 | 4.53 |
| | 5/29/2003 | 700 | 11.46 | 8.24 | 13 | 22.9 |
| | 9/30/2003 | 760 | 4.69 | 7.99 | 14.5 | 10.7 |
| | 12/18/2003 | 690 | 12.86 | 8 | 8.7 | 4.12 |
| | 3/25/2004 | 780 | 11.48 | 7.35 | 8.6 | 62 |
| | 6/7/2004 | | 10.11 | 8.28 | 12.4 | 15.4 |
| | 9/29/2004 | 710 | 10.44 | 7.81 | 13.6 | 8.41 |
| | 12/22/2004 | 650 | | 8.28 | 7.9 | 6.03 |
| | 2/23/2005 | 650 | 10.88 | 8.12 | 6.4 | 4.93 |
| | 5/16/2005 | 710 | 12.56 | 7.55 | 10.4 | 9.49 |
| | 9/29/2005 | 770 | 9.59 | 7.96 | 12.8 | 6.97 |
| | 12/9/2005 | 650 | 12.08 | 8.18 | 7.7 | 7.67 |
| | 2/27/2006 | 615 | 11.03 | 8.21 | 9.7 | 9.53 |

| | | CONDUCTANCE | DISSOLVED OXYGEN | pH | TEMPERATURE | TURBIDITY |
|---|---|---|---|---|---|---|
| Surface Water Quality Criteria (SWQC) | | µs/cm | mg/l | pH units | deg c | ntu |
| WA State | Acute | None | None | None | None | None |
| | Chronic | None | 8 | 6.5 - 8.5 | 18 °C | > 5 ntu |
| Federal | Acute | NC | 4 | NC | None | NC |
| | Chronic | NC | 6.5 | 6.5 - 9 | None | NC |
| **WESTERN HILLSLOPE STREAMS/WEIR SAMPLING LOCATIONS (continued)** | | | | | | |
| SW-W2 (cont.) | 5/26/2006 | 745 | 10.31 | 7.95 | 11.8 | 9.36 |
| | 7/27/2006 | 715 | 10.18 | 8.12 | 15.8 | 10.4 |
| | 3/28/2007 | 595 | 17.5 | 8.35 | 8.6 | 5.21 |
| | 5/9/2007 | 708 | 12.48 | 8.3 | 10.5 | 14.6 |
| | 8/14/2007 | 698 | 9.56 | 8.26 | 12.9 | 15.7 |
| | 10/30/2007 | 647 | 7.69 | 8.19 | 9 | 8.2 |
| | 12/18/2007 | 681 | 8.4 | 8.32 | 6.6 | 8.75 |
| | 3/12/2008 | 741 | 7.14 | 8.44 | 6.7 | 9.7 |
| | 5/21/2008 | 851 | 6.18 | 8.46 | 11.3 | 8.17 |
| | 7/15/2008 | 774 | 8.02 | 8.31 | 13.3 | 14.8 |
| | 10/6/2008 | 771 | 8.28 | 8.3 | 11.6 | 10.9 |
| | 1/6/2009 | 846 | 10.08 | 8.16 | 7 | 8.94 |
| | 3/26/2009 | 757 | 10.62 | 8.34 | 5.7 | 10.1 |
| | 7/13/2009 | 889 | 8.5 | 7.42 | 13.4 | 15.1 |
| | 10/20/2009 | 658 | 8.07 | 8.02 | 10.6 | 9.75 |
| | 1/21/2010 | 728 | 10.5 | 7.64 | 8.5 | 12.6 |
| | 4/19/2010 | 694 | | 7.95 | 11.6 | 7.95 |
| | 8/16/2010 | 606 | | 7.75 | 15.4 | 17.2 |
| | 11/9/2010 | 570 | 9.39 | 7.61 | 8.4 | 61.1 |
| SW-W3 | 3/31/2000 | 450 | 11.22 | 7.85 | 9.7 | 10.7 |
| | 6/29/2000 | 570 | 10.11 | 8.32 | 13.2 | 6.82 |
| | 9/29/2000 | 470 | 10.45 | 6.26 | 13.4 | 3.83 |
| | 12/21/2000 | 460 | 11.07 | 7.32 | 7.1 | 2.4 |
| | 3/29/2001 | 490 | 12.25 | 7.33 | 9.3 | 9.11 |
| | 6/26/2001 | 510 | 11.61 | 7.79 | 13.2 | 11 |
| | 12/27/2001 | 420 | 11.23 | 8.01 | 8.4 | 3.79 |
| | 3/28/2002 | 470 | 10.96 | 8.23 | 9.1 | 3.91 |
| | 6/26/2002 | 440 | 10.56 | 7.97 | 13.7 | 7.31 |
| | 9/27/2002 | 490 | 10.21 | 8.61 | 12.1 | 1.12 |
| | 12/13/2002 | 470 | 12.24 | 7.25 | 9.9 | 18.8 |
| | 3/26/2003 | 405 | 11.35 | 6.89 | 9.8 | 4.95 |
| | 5/29/2003 | 410 | 11.38 | 8.16 | 13.4 | 5.27 |
| | 9/30/2003 | 425 | 5.5 | 7.73 | 13.7 | 7.64 |
| | 12/18/2003 | 410 | 13.32 | 8.4 | 9.1 | 4.87 |
| | 3/24/2004 | 370 | 11.42 | 7.38 | 10.3 | 4.67 |
| | 6/7/2004 | 450 | 10.3 | 8.1 | 12.1 | 7.29 |
| | 9/29/2004 | 475 | 10.59 | 6.99 | 13.2 | 19.7 |
| | 12/23/2004 | 415 | 10.87 | 7.98 | 8.7 | 2.72 |
| | 2/24/2005 | 425 | 10.36 | 7.74 | 9 | 3.31 |
| | 5/17/2005 | 450 | 12.4 | 6.87 | 13.3 | 5.26 |
| | 12/9/2005 | 395 | 11.15 | 8.07 | 8.7 | 2.09 |
| | 2/27/2006 | 340 | 10.87 | 7.85 | 10.6 | 2.91 |
| | 6/29/2006 | 430 | 10.2 | 7.17 | 13.4 | 5.9 |
| | 9/27/2006 | 450 | 10.29 | 7.87 | 13.7 | 4.82 |
| | 3/28/2007 | 288 | 16 | 8.12 | 8.7 | 10.1 |
| | 5/9/2007 | 326 | 12.86 | 8.08 | 10.5 | 19.4 |
| | 8/14/2007 | 345 | 10.02 | 8.07 | 12.2 | 13.5 |
| | 10/30/2007 | 309 | 6.92 | 7.84 | 10 | 54.9 |

| Surface Water Quality Criteria (SWQC) | | CONDUCTANCE | DISSOLVED OXYGEN | pH | TEMPERATURE | TURBIDITY |
|---|---|---|---|---|---|---|
| | | µs/cm | mg/l | pH units | deg c | ntu |
| WA State | Acute | None | None | None | None | None |
| | Chronic | None | 8 | 6.5 - 8.5 | 18 °C | > 5 ntu |
| Federal | Acute | NC | 4 | NC | None | NC |
| | Chronic | NC | 6.5 | 6.5 - 9 | None | NC |
| **WESTERN HILLSLOPE STREAMS/WEIR SAMPLING LOCATIONS (continued)** | | | | | | |
| SW-W3 (cont.) | 12/18/2007 | 360 | 7.95 | 8.17 | 7.5 | 9.29 |
| | 3/12/2008 | 347 | 7.06 | 8.12 | 7.6 | 9.54 |
| | 5/21/2008 | 407 | 6.7 | 8.21 | 10.7 | 15.4 |
| | 7/15/2008 | 374 | 7.99 | 7.73 | 12.6 | 25.2 |
| | 10/6/2008 | 384 | 8.1 | 7.36 | 11.6 | 6.8 |
| | 1/6/2009 | 431 | 10.3 | 7.17 | 7.2 | 5.8 |
| | 3/26/2009 | 389 | 11.43 | 7.75 | 6.6 | 6.16 |
| | 7/13/2009 | 484 | 7.65 | 8.01 | 13.5 | 9.54 |
| | 10/20/2009 | 389 | 8.35 | 7.04 | 10.8 | 7.62 |
| | 1/21/2010 | 377 | 10.11 | 8.05 | 9.2 | 7.08 |
| | 4/19/2010 | 312 | | 10.71 | 11 | 9.41 |
| | 8/16/2010 | 228 | | 6.75 | 14.1 | 9.14 |
| | 11/9/2010 | 310 | 9.39 | 7.06 | 8.5 | 33.7 |
| SW-W4 | 5/10/2007 | 239 | 8.21 | 7.85 | 13.5 | 6.32 |
| | 8/14/2007 | 231 | 7.53 | 7.71 | 14 | 43.3 |
| | 10/31/2007 | 212 | 6.78 | 7.78 | 8.6 | 8.63 |
| | 12/18/2007 | 203 | 8.11 | 8.08 | 6.5 | 5.11 |
| | 3/12/2008 | 223 | 6.94 | 8.05 | 6.7 | 9.54 |
| | 10/6/2008 | 274 | 6.8 | 8.25 | 11.8 | 14.9 |
| | 1/6/2009 | 236 | 8.78 | 8.25 | 6.5 | 11.6 |
| | 3/23/2009 | 194.7 | 10.35 | 6.96 | 7.3 | 24.4 |
| | 7/13/2009 | 244 | 6.92 | 7.16 | 13.5 | 23.2 |
| | 10/19/2009 | 250 | 8.4 | 7.83 | 11.3 | 18.4 |
| | 1/22/2010 | 188.7 | 12.1 | 7.18 | 7.5 | 9.68 |
| | 4/19/2010 | 224 | | 7.76 | 12.1 | 7.82 |
| | 8/11/2010 | 265 | | 7.16 | 14.5 | 17.5 |
| | 11/1/2010 | 144.3 | 6.22 | 7.1 | 10.7 | 61.6 |
| SW-W5 | 5/10/2007 | 238 | 9.47 | 8.06 | 9.9 | 6.42 |
| | 8/14/2007 | 232 | 9.63 | 7.85 | 11.5 | 4 |
| | 10/30/2007 | 229 | 9.44 | 7.96 | 9.3 | 2.91 |
| | 12/18/2007 | 251 | 9.53 | 6.95 | 7.7 | 25.6 |
| | 3/12/2008 | 266 | 8.82 | 7.75 | 8.4 | 5.51 |
| | 7/15/2008 | 274 | 9.48 | 8.07 | 11.8 | 12.1 |
| | 10/6/2008 | 285 | 10.43 | 7.93 | 11.1 | 2.3 |
| | 1/6/2009 | 270 | 8.55 | 8.05 | 7.9 | 3.22 |
| | 3/23/2009 | 217 | 11.62 | 7.43 | 8.2 | 5.75 |
| | 7/10/2009 | 315 | 7.45 | 7.34 | 12.1 | 3.66 |
| | 10/19/2009 | 255 | 8.98 | 7.47 | 10.8 | 3.1 |
| | 4/19/2010 | 245 | | 7.58 | 11.3 | 7.69 |
| | 8/12/2010 | 330 | | 6.95 | 12.2 | 3.8 |
| | 11/1/2010 | 171.4 | 6.6 | 6.97 | 10.6 | 27 |

| | | CONDUCTANCE | DISSOLVED OXYGEN | pH | TEMPERATURE | TURBIDITY |
|---|---|---|---|---|---|---|
| Surface Water Quality Criteria (SWQC) | | µs/cm | mg/l | pH units | deg c | ntu |
| WA State | Acute | None | None | None | None | None |
| | Chronic | None | **8** | **6.5 - 8.5** | **18 °C** | **> 5 ntu** |
| Federal | Acute | NC | **4** | NC | None | NC |
| | Chronic | NC | **6.5** | **6.5 - 9** | None | NC |
| **WESTERN HILLSLOPE STREAMS/WEIR SAMPLING LOCATIONS (continued)** | | | | | | |
| SW-W6 | 5/10/2007 | 242 | **8.52** | 7.88 | 9.4 | 1.51 |
| | 8/14/2007 | 246 | **7.02** | 7.82 | 12.7 | 1.41 |
| | 11/1/2007 | 275 | **8.8** | 8.03 | 8.7 | 1.29 |
| | 12/18/2007 | 247 | **9.33** | 7.77 | 6.9 | **39.8** |
| | 3/12/2008 | 288 | **7.97** | 7.92 | 6.8 | 1.77 |
| | 7/15/2008 | **304** | **9.23** | 8.01 | 12.6 | 1.09 |
| | 10/6/2008 | 263 | **7.71** | 8.12 | 11.5 | 2.13 |
| | 3/24/2009 | 228 | **8.89** | 7.73 | 7.1 | 3.34 |
| | 7/10/2009 | **323** | **9.1** | 7.71 | 13.3 | 2.09 |
| | 10/19/2009 | 249 | **7.89** | 7.82 | 11.2 | 4.94 |
| | 1/22/2010 | 203 | **11.1** | 7.07 | 7.5 | 2.75 |
| | 4/19/2010 | 287 | | 7.16 | 12.5 | **10.4** |
| | 8/12/2010 | **349** | | 7.12 | 13.8 | 3.96 |
| | 11/1/2010 | 165.4 | **9.03** | 6.67 | 10.8 | **13.5** |
| SW-W7 | 5/10/2007 | 251 | **7.65** | 8.1 | 10 | 4.63 |
| | 8/14/2007 | 253 | **7.65** | 7.91 | 12.5 | 5.9 |
| | 11/1/2007 | 289 | **7.51** | 8.1 | 8.7 | **11.2** |
| | 12/18/2007 | 245 | **8.25** | 8.01 | 6.9 | **38.1** |
| | 3/12/2008 | 258 | **7.22** | 7.87 | 7.2 | 3.19 |
| | 10/6/2008 | 298 | **8.07** | 8.17 | 11.1 | **9.2** |
| | 1/6/2009 | 270 | **10.95** | 8.07 | 7.1 | 3.29 |
| | 3/24/2009 | 227 | **10.23** | 8.02 | 7.4 | 3.31 |
| | 7/10/2009 | **325** | **7.59** | 7.92 | 12.5 | 4.15 |
| | 10/19/2009 | 258 | **7.52** | 7.76 | 10.9 | **5.26** |
| | 1/22/2010 | 216 | **10.5** | 7.13 | 8.2 | |
| | 4/19/2010 | 269 | | 7.46 | 13.8 | 4.39 |
| | 8/11/2010 | **371** | | 7.7 | 12.6 | **5.48** |
| | 11/1/2010 | 176.3 | **10.87** | 6.5 | 11 | **69.1** |

| | | CONDUCTANCE | DISSOLVED OXYGEN | pH | TEMPERATURE | TURBIDITY |
|---|---|---|---|---|---|---|
| | | µs/cm | mg/l | pH units | deg c | ntu |
| Federal Drinking Water Standards (FDWS) | | None | None | **6.5-8.5** | None | **1** |
| Groundwater Quality Criteria (GQC) | | **700 uS/CM** | None | **6.5-8.5** | None | None |
| **CC2 PERCHED ZONE - MONITORING WELLS ON LANDFILL SIDE** | | | | | | |
| MW-2 | 2/17/2000 | 270 | | 7.06 | 9.7 | |
| | 5/11/2000 | 280 | | 7.15 | 9.7 | |
| | 8/22/2000 | 260 | | 7.75 | 11.6 | |
| | 11/17/2000 | 255 | | 6.64 | 9.8 | |
| | 2/7/2001 | 274 | | 6.85 | 9.5 | |
| | 5/16/2001 | **310** | | 7.09 | 10.2 | |
| | 7/25/2001 | **355** | | 7.12 | 10.7 | |
| | 11/6/2001 | **330** | | 7.11 | 9.7 | |
| | 2/13/2002 | **350** | | 6.94 | 9.1 | |
| | 4/30/2002 | **330** | | 6.78 | 10.5 | |
| | 8/16/2002 | **430** | | 6.7 | 9.9 | |
| | 10/28/2002 | **400** | | 6.92 | 10.1 | |
| | 2/3/2003 | **390** | | 6.92 | 9.9 | |
| | 5/2/2003 | **410** | | 6.89 | 10.2 | |
| | 7/24/2003 | **400** | | 6.93 | 10.9 | |
| | 10/20/2003 | **350** | | 6.84 | 11.2 | |
| | 2/9/2004 | **415** | | 6.92 | 10.1 | |
| | 4/30/2004 | **415** | | 6.93 | 10.7 | |
| | 8/13/2004 | **405** | | 6.92 | 10.9 | |
| | 10/29/2004 | **465** | | 7.04 | 9.9 | |
| | 1/27/2005 | **470** | | 6.84 | 10.1 | |
| | 5/6/2005 | **460** | | 7.03 | 10.4 | |
| | 7/29/2005 | **430** | | 6.84 | 10.9 | |
| | 11/9/2005 | **400** | | 7.1 | 10.5 | |
| | 1/30/2006 | **465** | | 7.03 | 10 | |
| | 5/3/2006 | **385** | | 6.8 | 10.9 | |
| | 8/10/2006 | **450** | | 6.86 | 10.4 | |
| | 11/1/2006 | **360** | | 6.94 | 10.8 | |
| | 11/1/2006 | **360** | | 6.94 | 10.8 | |
| | 1/30/2007 | **355** | | 6.62 | 9.9 | |
| | 4/30/2007 | **470** | | 6.62 | 10.1 | |
| | 8/1/2007 | **455** | | 6.82 | 11.2 | |
| | 11/6/2007 | **425** | | 6.65 | 10.1 | |
| | 2/4/2008 | **445** | | 6.74 | 9.9 | |
| | 5/12/2008 | **435** | | 6.73 | 9.9 | |
| | 8/6/2008 | **455** | | 6.78 | 10.3 | |
| | 11/6/2008 | **420** | | 6.82 | 10.2 | |
| | 2/20/2009 | **440** | | 6.74 | 10.3 | |
| | 5/7/2009 | **415** | | 6.61 | 9.7 | |
| | 8/3/2009 | **460** | | 6.76 | 10.7 | |
| | 11/17/2009 | **440** | | 6.85 | 9.6 | |
| | 2/16/2010 | **375** | | 7.01 | 9.6 | |
| | 4/30/2010 | **360** | | 6.54 | 10 | |
| | 8/3/2010 | **380** | | 6.67 | 10.3 | |
| | 11/5/2010 | **506** | | 6.81 | 9.7 | |
| | 2/17/2000 | **540** | | 6.77 | 10.6 | |
| | 5/5/2000 | **455** | | 6.79 | 10.4 | |
| | 8/18/2000 | **600** | | 6.93 | 10.9 | |

| | | CONDUCTANCE | DISSOLVED OXYGEN | pH | TEMPERATURE | TURBIDITY |
|---|---|---|---|---|---|---|
| | | µs/cm | mg/l | pH units | deg c | ntu |
| Federal Drinking Water Standards (FDWS) | | None | None | **6.5-8.5** | None | **1** |
| Groundwater Quality Criteria (GQC) | | **700 uS/CM** | None | **6.5-8.5** | None | None |
| **CC2 PERCHED ZONE - MONITORING WELLS ON LANDFILL SIDE (continued)** | | | | | | |
| MW-5D | 11/9/2000 | **510** | | 6.58 | 10.5 | |
| | 1/31/2001 | **505** | | 6.73 | 10.2 | |
| | 5/16/2001 | **500** | | 6.82 | 11 | |
| | 7/27/2001 | **600** | | 6.87 | 11.4 | |
| | 11/7/2001 | **780** | | 6.89 | 10.8 | |
| | 2/13/2002 | **480** | | 7.15 | 10.5 | |
| | 4/25/2002 | **450** | | 6.66 | 10.4 | |
| | 8/7/2002 | **540** | | 6.82 | 11.3 | |
| | 11/5/2002 | **540** | | 6.95 | 10.8 | |
| | 1/28/2003 | **460** | | 6.75 | 10.4 | |
| | 5/5/2003 | **455** | | 6.8 | 10.5 | |
| | 7/22-24/2003 | **475** | | 6.76 | 11.1 | |
| | 10/17/2003 | **470** | | 6.67 | 11.4 | |
| | 2/12/2004 | **450** | | 6.81 | 10.4 | |
| | 6/1/2004 | **520** | | 6.84 | 11.2 | |
| | 8/4/2004 | **600** | | 6.75 | 11.2 | |
| | 11/2/2004 | **530** | | 6.76 | 10.8 | |
| | 1/31/2005 | **520** | | 6.74 | 10.5 | |
| | 5/6/2005 | **575** | | 6.85 | 11 | |
| | 7/29/2005 | **550** | | 6.75 | 11.8 | |
| | 11/2/2005 | **530** | | 6.86 | 10.6 | |
| | 2/1/2006 | **520** | | 6.69 | 10.4 | |
| | 5/5/2006 | **510** | | 6.58 | 10.6 | |
| | 8/7/2006 | **415** | | 6.62 | 12.1 | |
| | 11/3/2006 | **525** | | 6.76 | 10.9 | |
| | 2/6/2007 | **490** | | 6.7 | 10.6 | |
| | 5/1/2007 | **480** | | 6.73 | 10.8 | |
| | 8/10/2007 | **460** | | 6.68 | 11.2 | |
| | 11/1/2007 | **430** | | 6.61 | 10.9 | |
| | 2/5/2008 | **420** | | 6.69 | 10.7 | |
| | 5/12/2008 | **415** | | 6.83 | 10.6 | |
| | 8/7/2008 | **425** | | 6.63 | 11.2 | |
| | 11/18/2008 | **420** | | 6.5 | 10.9 | |
| | 3/20/2009 | **385** | | 6.65 | 10.5 | |
| | 5/12/2009 | **485** | | 6.53 | 10.5 | |
| | 8/11/2009 | **550** | | 6.63 | 11.2 | |
| | 11/3/2009 | **450** | | 6.96 | 10.4 | |
| | 2/11/2010 | 235 | | 6.79 | 10.6 | |
| | 4/30/2010 | **320** | | **6.45** | 10.7 | |
| | 8/6/2010 | **350** | | 6.53 | 11.2 | |
| | 11/2/2010 | 150 | | 7.07 | 10.5 | |

| | | CONDUCTANCE | DISSOLVED OXYGEN | pH | TEMPERATURE | TURBIDITY |
|---|---|---|---|---|---|---|
| | | µs/cm | mg/l | pH units | deg c | ntu |
| Federal Drinking Water Standards (FDWS) | | None | None | 6.5-8.5 | None | 1 |
| Groundwater Quality Criteria (GQC) | | 700 uS/CM | None | 6.5-8.5 | None | None |
| **CC2 PERCHED ZONE - MONITORING WELLS ON LANDFILL SIDE (continued)** | | | | | | |
| MW-9 | 2/14/2000 | 135 | | 7.41 | 9.6 | |
| | 5/3/2000 | 145 | | 6.82 | 10.1 | |
| | 8/15/2000 | 135 | | 7.66 | 10.6 | |
| | 11/13/2000 | 137 | | 7.45 | 9.9 | |
| | 1/30/2001 | 120 | | 7.28 | 9.8 | |
| | 5/4/2001 | 130 | | 7.43 | 10.3 | |
| | 7/24/2001 | 110 | | 7.23 | 11 | |
| | 11/1/2001 | 125 | | 7.58 | 10 | |
| | 2/12/2002 | 140 | | 7.63 | 9.6 | |
| | 6/24/2002 | 140 | | 7.6 | 10.5 | |
| | 8/6/2002 | 135 | | 7.29 | 10.1 | |
| | 11/7/2002 | 125 | | 7.5 | 10.3 | |
| | 2/3/2003 | 125 | | 7.58 | 9.8 | |
| | 4/29/2003 | 150 | | 7.5 | 9.9 | |
| | 7/22/2003 | 160 | | 7.4 | 11.8 | |
| | 10/24/2003 | 160 | | 7.6 | 9.9 | |
| | 2/6/2004 | 160 | | 7.59 | 9.9 | |
| | 5/3/2004 | 160 | | 7.55 | 10.2 | |
| | 8/10/2004 | 170 | | 7.5 | 11.7 | |
| | 10/27/2004 | 150 | | 7.71 | 10 | |
| | 5/3/2005 | 145 | | 7.41 | 10.3 | |
| | 8/3/2005 | 150 | | 7.45 | 11 | |
| | 11/15/2005 | 140 | | 7.4 | 10 | |
| | 2/1/2006 | 140 | | 7.28 | 10.6 | |
| | 5/2/2006 | 150 | | 7.34 | 10 | |
| | 8/3/2006 | 170 | | 7.52 | 10.6 | |
| | 11/2/2006 | 170 | | 7.5 | 10 | |
| | 2/27/2007 | 180 | | 7.46 | 9.8 | |
| | 4/30/2007 | 170 | | 7.52 | 10.2 | |
| | 8/10/2007 | 180 | | 7.47 | 10.6 | |
| | 11/5/2007 | 160 | | 7.44 | 10.2 | |
| | 2/7/2008 | 155 | | 7.35 | 9.7 | |
| | 5/8/2008 | 165 | | 7.46 | 9.9 | |
| | 8/5/2008 | 180 | | 7.03 | 11.2 | |
| | 11/17/2008 | 150 | | 7.16 | 10.2 | |
| | 2/4/2009 | 150 | | 7.26 | 10 | |
| | 5/1/2009 | 140 | | 7.27 | 10.5 | |
| | 7/31/2009 | 150 | | 7.27 | 10.6 | |
| | 11/5/2009 | 150 | | 7.44 | 10 | |
| | 2/4/2010 | 140 | | 7.4 | 9.9 | |
| | 5/3/2010 | 150 | | 7.12 | 9.7 | |
| | 8/9/2010 | 150 | | 7.06 | 10.6 | |
| | 11/8/2010 | 155 | | 7.29 | 9.7 | |

| | | CONDUCTANCE | DISSOLVED OXYGEN | pH | TEMPERATURE | TURBIDITY |
|---|---|---|---|---|---|---|
| | | µs/cm | mg/l | pH units | deg c | ntu |
| Federal Drinking Water Standards (FDWS) | | None | None | **6.5-8.5** | None | **1** |
| Groundwater Quality Criteria (GQC) | | **700 uS/CM** | None | **6.5-8.5** | None | None |
| **CC2 PERCHED ZONE - MONITORING WELLS ON LANDFILL SIDE (continued)** | | | | | | |
| MW-21 | 2/16/2000 | **365** | | 6.92 | 9.3 | |
| | 5/5/2000 | **360** | | 6.63 | 9.5 | |
| | 8/18/2000 | **305** | | 7.03 | 10.5 | |
| | 11/13/2000 | **300** | | 6.68 | 10.2 | |
| | 1/31/2001 | **300** | | 6.82 | 9.6 | |
| | 5/14/2001 | 290 | | 6.76 | 9.8 | |
| | 7/24/2001 | **310** | | 6.86 | 11.8 | |
| | 11/2/2001 | 285 | | 7.09 | 9.5 | |
| | 2/13/2002 | **410** | | 6.88 | 9.5 | |
| | 4/25/2002 | 290 | | 6.73 | 9.6 | |
| | 8/14/2002 | **345** | | 6.85 | 10.9 | |
| | 10/31/2002 | **360** | | 7.26 | 10 | |
| | 1/27/2003 | **320** | | 6.99 | 9.5 | |
| | 5/2/2003 | **300** | | 6.97 | 9.6 | |
| | 7/22/2003 | **300** | | 6.75 | 10.4 | |
| | 10/20/2003 | **330** | | 6.85 | 10.9 | |
| | 2/5/2004 | **440** | | 6.87 | 9.8 | |
| | 4/30/2004 | **400** | | 6.92 | 10.2 | |
| | 8/3/2004 | **400** | | 6.84 | 10.1 | |
| | 10/29/2004 | **400** | | 6.95 | 10 | |
| | 1/31/2005 | **430** | | 6.97 | 9.7 | |
| | 5/4/2005 | **470** | | 6.99 | 10.4 | |
| | 7/27/2005 | **450** | | 6.9 | 10.8 | |
| | 11/2/2005 | **415** | | 6.81 | 10.1 | |
| | 2/1/2006 | **425** | | 6.78 | 10.4 | |
| | 5/8/2006 | **410** | | 6.64 | 9.6 | |
| | 8/2/2006 | **380** | | 6.56 | 11.5 | |
| | 11/14/2006 | **350** | | 6.85 | 10.4 | |
| | 2/6/2007 | **430** | | 6.76 | 9.7 | |
| | 5/1/2007 | **360** | | 6.87 | 9.8 | |
| | 8/7/2007 | **350** | | 6.87 | 10.4 | |
| | 11/1/2007 | **385** | | 6.7 | 10 | |
| | 2/5/2008 | **370** | | 6.79 | 9.8 | |
| | 5/15/2008 | **365** | | 6.87 | 9.9 | |
| | 8/5/2008 | **400** | | 6.69 | 10.3 | |
| | 11/3/2008 | **420** | | 6.9 | 10.1 | |
| | 2/9/2009 | **450** | | 6.68 | 9.4 | |
| | 5/8/2009 | **465** | | 6.59 | 9.6 | |
| | 8/11/2009 | **480** | | 6.78 | 10.6 | |
| | 11/3/2009 | **460** | | 6.92 | 9.7 | |
| | 2/3/2010 | **480** | | 6.92 | 9.7 | |
| | 5/5/2010 | **390** | | 6.72 | 9.6 | |
| | 8/6/2010 | **350** | | 6.6 | 10.4 | |
| | 11/2/2010 | **380** | | 7.23 | 9.9 | |

| | | CONDUCTANCE | DISSOLVED OXYGEN | pH | TEMPERATURE | TURBIDITY |
|---|---|---|---|---|---|---|
| | | µs/cm | mg/l | pH units | deg c | ntu |
| Federal Drinking Water Standards (FDWS) | | None | None | 6.5-8.5 | None | 1 |
| Groundwater Quality Criteria (GQC) | | 700 uS/CM | None | 6.5-8.5 | None | None |
| **Regional/Cc3 AQUIFER - MONITORING WELLS ON LANDFILL SIDE** | | | | | | |
| MW-12 | 2/6/2004 | 135 | | 7.63 | 9.7 | |
| | 5/6/2004 | 135 | | 7.64 | 10.1 | |
| | 7/12/2004 | 135 | | 7.6 | 10.8 | |
| | 8/19/2004 | 135 | | 7.55 | 11 | |
| | 10/28/2004 | 145 | | 7.78 | 9.5 | |
| | 2/3/2005 | 135 | | 7.69 | 9.7 | |
| | 5/5/2005 | 140 | | 7.56 | 10 | |
| | 7/28/2005 | 135 | | 7.57 | 11.1 | |
| | 11/8/2005 | 130 | | 7.53 | 9.7 | |
| | 2/28/2006 | 130 | | 7.53 | 9.4 | |
| | 5/9/2006 | 130 | | 7.57 | 10.8 | |
| | 8/4/2006 | 125 | | 7.49 | 11.3 | |
| | 11/9/2006 | 140 | | 7.59 | 10.3 | |
| | 1/30/2007 | 125 | | 7.16 | 9.4 | |
| | 4/27/2007 | 140 | | 7.19 | 9.8 | |
| | 8/2/2007 | 150 | | 7.34 | 10.6 | |
| | 11/2/2007 | 140 | | 7.21 | 9.6 | |
| | 2/11/2008 | 135 | | 7.35 | 10.4 | |
| | 5/12/2008 | 140 | | 7.43 | 9.6 | |
| | 8/7/2008 | 150 | | 7.42 | 11 | |
| | 11/13/2008 | 140 | | 7.57 | 10.1 | |
| | 2/4/2009 | 140 | | 7.49 | 10.1 | |
| | 5/13/2009 | 130 | | 7.6 | 9.4 | |
| | 8/4/2009 | 140 | | 7.32 | 10.5 | |
| | 11/2/2009 | 140 | | 7.64 | 9.7 | |
| | 2/5/2010 | 145 | | 7.64 | 9.4 | |
| | 5/6/2010 | 140 | | 7.25 | 9.3 | |
| | 9/28/2010 | 125 | | 7.76 | 10 | |
| | 11/9/2010 | 145 | | 7.6 | 9.6 | |
| MW-19 | 2/15/2000 | 175 | | 7.57 | 9.5 | |
| | 5/11/2000 | 170 | | 6.84 | 11 | |
| | 8/16/2000 | 175 | | 7.85 | 11.5 | |
| | 11/14/2000 | 175 | | 7.34 | 10.4 | |
| | 2/26/2001 | 165 | | 7.76 | 10.2 | |
| | 5/9/2001 | 165 | | 7.69 | 10 | |
| | 7/26/2001 | 175 | | 7.58 | 10.9 | |
| | 11/6/2001 | 160 | | 7.92 | 10.2 | |
| | 2/11/2002 | 165 | | 7.8 | 9.3 | |
| | 4/24/2002 | 150 | | 7.23 | 9.9 | |
| | 8/12/2002 | 160 | | 7.78 | 10.6 | |
| | 10/30/2002 | 160 | | 7.79 | 9.6 | |
| | 1/30/2003 | 185 | | 7.76 | 10.5 | |
| | 4/23/2003 | 165 | | 7.7 | 9.6 | |
| | 7/21/2003 | 200 | | 7.54 | 11.1 | |
| | 10/17/2003 | 200 | | 7.77 | 10.4 | |

| | | CONDUCTANCE | DISSOLVED OXYGEN | pH | TEMPERATURE | TURBIDITY |
|---|---|---|---|---|---|---|
| | | µs/cm | mg/l | pH units | deg c | ntu |
| Federal Drinking Water Standards (FDWS) | | None | None | 6.5-8.5 | None | 1 |
| Groundwater Quality Criteria (GQC) | | 700 uS/CM | None | 6.5-8.5 | None | None |
| **Regional/Cc3 AQUIFER - MONITORING WELLS ON LANDFILL SIDE (continued)** | | | | | | |
| MW-19 (cont.) | 2/10/2004 | 165 | | 7.85 | 9.5 | |
| | 5/5/2004 | 200 | | 7.92 | 10.1 | |
| | 8/17/2004 | 195 | | 7.82 | 11.3 | |
| | 10/27/2004 | 205 | | 8.08 | 10 | |
| | 2/1/2005 | 190 | | 8.08 | 9.9 | |
| | 5/4/2005 | 200 | | 7.08 | 10.2 | |
| | 8/1/2005 | 200 | | 7.65 | 10.8 | |
| | 11/8/2005 | 190 | | 7.8 | 10 | |
| | 2/2/2006 | 195 | | 7.59 | 9.8 | |
| | 5/3/2006 | 190 | | 7.67 | 10.1 | |
| | 8/8/2006 | 190 | | 7.92 | 10.3 | |
| | 11/13/2006 | 210 | | 7.75 | 9.8 | |
| | 1/30/2007 | 210 | | 7.7 | 9.7 | |
| | 4/27/2007 | 205 | | 7.66 | 10.4 | |
| | 8/28/2007 | 200 | | 7.77 | 10.5 | |
| | 11/16/2007 | 200 | | 7.79 | 9.9 | |
| | 2/7/2008 | 200 | | 7.7 | 9.5 | |
| | 5/7/2008 | 210 | | 7.68 | 9.9 | |
| | 8/6/2008 | 210 | | 7.47 | 11 | |
| | 11/6/2008 | 220 | | 7.68 | 10 | |
| | 2/4/2009 | 215 | | 7.54 | 9.8 | |
| | 5/4/2009 | 215 | | 7.63 | 9.7 | |
| | 7/31/2009 | 225 | | 7.51 | 10.4 | |
| | 11/5/2009 | 230 | | 7.76 | 9.9 | |
| | 2/4/2010 | 220 | | 7.71 | 9.8 | |
| | 5/3/2010 | 220 | | 7.5 | 9.5 | |
| | 8/9/2010 | 220 | | 7.5 | 10 | |
| | 11/8/2010 | 215 | | 7.71 | 9.7 | |
| MW-27 | 10/28/2003 | 175 | | 6.88 | 11.7 | |
| | 12/2/2003 | 145 | | 7.24 | 11.4 | |
| | 1/14/2004 | 175 | | 6.95 | 11.2 | |
| | 2/17/2004 | 170 | | 7.06 | 10.7 | |
| | 3/17/2004 | 190 | | 6.99 | 10.9 | |
| | 4/19/2004 | 180 | | 6.87 | 11.3 | |
| | 5/24/2004 | 180 | | 6.89 | 12.5 | |
| | 6/28/2004 | 175 | | 6.83 | 12.3 | |
| | 8/11/2004 | 170 | | 6.88 | 12.1 | |
| | 11/2/2004 | 175 | | 6.93 | 11.2 | |
| | 2/2/2005 | 190 | | 6.9 | 11.2 | |
| | 5/6/2005 | 175 | | 6.88 | 11.3 | |
| | 8/3/2005 | 175 | | 7.04 | 12.2 | |
| | 11/4/2005 | 165 | | 6.96 | 10.8 | |
| | 2/28/2006 | 170 | | 6.94 | 10.6 | |
| | 5/8/2006 | 185 | | 6.88 | 11 | |
| | 8/1/2006 | 155 | | 6.76 | 12.6 | |

| | | CONDUCTANCE | DISSOLVED OXYGEN | pH | TEMPERATURE | TURBIDITY |
|---|---|---|---|---|---|---|
| | | µs/cm | mg/l | pH units | deg c | ntu |
| Federal Drinking Water Standards (FDWS) | | None | None | **6.5-8.5** | None | **1** |
| Groundwater Quality Criteria (GQC) | | **700 uS/CM** | None | **6.5-8.5** | None | None |
| **Regional/Cc3 AQUIFER - MONITORING WELLS ON LANDFILL SIDE (continued)** | | | | | | |
| MW-27 | 11/15/2006 | 190 | | 6.94 | 11 | |
| (cont.) | 1/31/2007 | 160 | | 6.75 | 10.6 | |
| | 4/26/2007 | 190 | | 6.63 | 11 | |
| | 8/6/2007 | 180 | | 6.77 | 11.8 | |
| | 11/5/2007 | 170 | | 6.89 | 11 | |
| | 2/6/2008 | 170 | | 6.91 | 10.7 | |
| | 5/15/2008 | 175 | | 6.96 | 11.1 | |
| | 8/8/2008 | 180 | | 6.87 | 11.9 | |
| | 11/4/2008 | 170 | | 7 | 11.2 | |
| | 2/23/2009 | 170 | | 6.93 | 11.1 | |
| | 5/1/2009 | 170 | | 6.9 | 11.2 | |
| | 8/11/2009 | 170 | | 6.85 | 11.6 | |
| | 2/5/2010 | 180 | | 7.04 | 10.9 | |
| | 4/29/2010 | 165 | | 6.54 | 10.9 | |
| | 8/10/2010 | 155 | | 6.57 | 11.4 | |
| | 11/5/2010 | 165 | | 6.84 | 11.2 | |

| | | CONDUCTANCE | DISSOLVED OXYGEN | pH | TEMPERATURE | TURBIDITY |
|---|---|---|---|---|---|---|
| | | µs/cm | mg/l | pH units | deg c | ntu |
| Federal Drinking Water Standards (FDWS) | | None | None | **6.5-8.5** | None | **1** |
| Groundwater Quality Criteria (GQC) | | **700 uS/CM** | None | **6.5-8.5** | None | None |
| **WESTERN HILLSLOPE MONITORING WELLS** | | | | | | |
| MW-30 | 1/26/2010 | **370** | | 6.72 | 8.5 | |
| | 4/29/2010 | **314** | | 6.67 | 11.4 | |
| | 8/17/2010 | 287 | | 6.6 | 13.3 | |
| | 11/8/2010 | **307** | | **6.37** | 11 | |
| MW-31 | 1/28/2010 | 245 | | 7 | 9 | |
| | 4/22/2010 | 269 | | 6.7 | 9.6 | |
| | 8/20/2010 | 290 | | 6.76 | 12.8 | |
| | 11/8/2010 | **312** | | 6.84 | 11.3 | |
| MW-32 | 2/19/2010 | **510** | | 7.3 | 10.3 | |
| | 4/29/2010 | **476** | | 6.63 | 10 | |
| | 11/8/2010 | **444** | | 7.53 | 10.6 | |

**NOTE:** Blank cell notes sample not analyzed for constituent

**Bold black Text** in Conductance column indicates elevated levels (above 300 µs/cm).

*SWQC, FDWS, and GQC provided by KCSWD (2011).*

NC Not calculated

| QUAL | **QUALIFIER DESCRIPTION for samples taken prior to 4/1/2009 (as per KC SWD)** |
|---|---|
| B | Analyte Found In Associated Method Blank |
| D | Compound Analyzed at a Secondary Dilution Factor. |
| E | Exceed The Calibration or Linear Range. |
| J | Estimated Value Less Than Practical Quantitation Limit And Greater Than The Method Detection Limit. |
| M | Raised Detection Limit. Due to Matrix Interference. |
| O | Analyzed Beyond Specified Holding Time. |
| P | Pesticide/PCBs > 25% Difference Between Columns. |
| R | Rejected Data |
| U | Analyte Not Detected at Given Value. |
| CG | Confluent Growth (Bacterial Analyses Only) |
| ED | Excess Debris on Growth Media (Bacterial Analyses Only). |

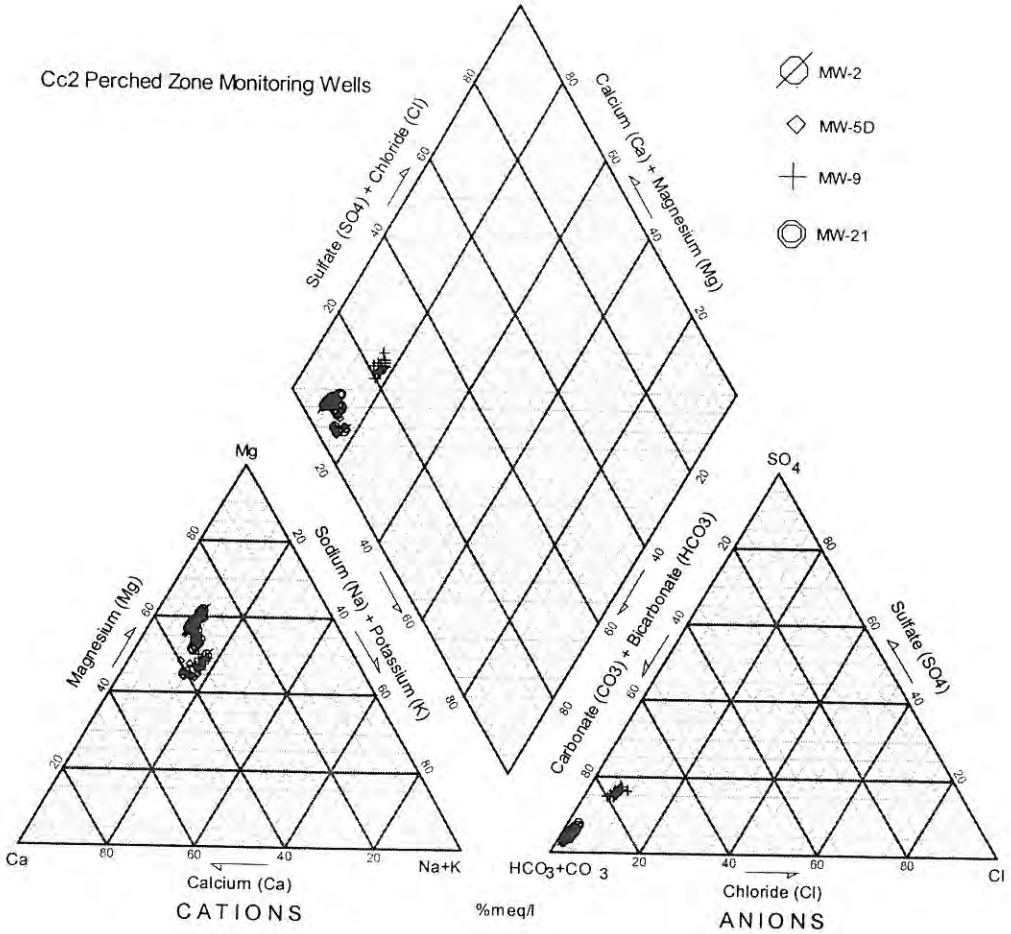
**Non-numeric result NOTATIONS:**

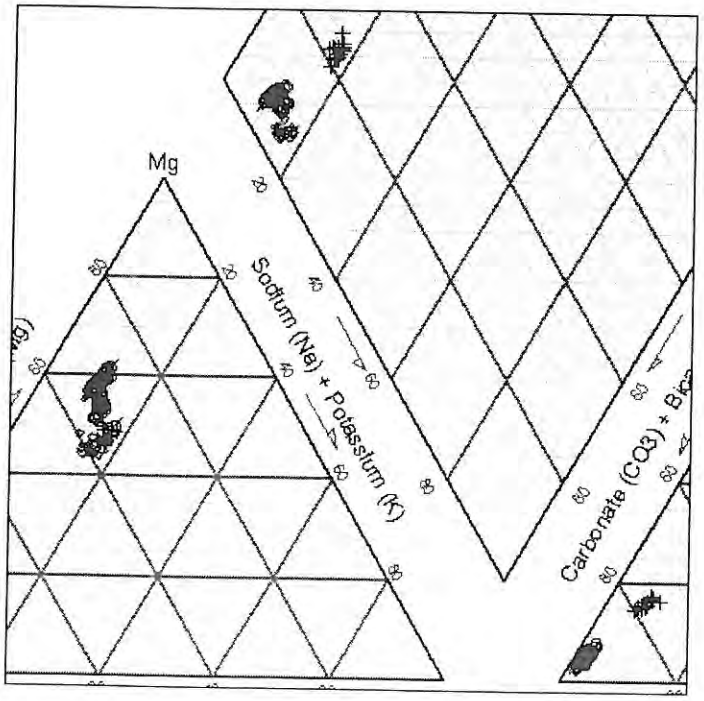
| | |
|---|---|
| Not | Not Analyzed |
| NT | Not Tested |
| TNTC | Too numerous to count |
| NM | Coliforms 'Not Measured' in sample (no CO2 production). |
| P | Coliforms 'Present' in sample (CO2 production) but can't be quantified. |

| QUAL | **QUALIFIER DESCRIPTION for samples taken after 4/12/2009 (as per KC SWD)** |
|---|---|
| U | Undetected Analyte concentration <MDL – Less than Method detection limit |
| T | Estimated, Less than Reporting Detection Limit but greater than Method detection limit |
| J | Reported value is an estimate |
| B | Contamination present in Blank |
| C | Confluent Growth |
| E | Estimated, outside expected accuracy |
| H | Exceeds holding time |
| R | Data Rejected |
| S | Sample handling errors |
| X | Too numerous to count |
| D | Dilution |
| P | PASS – Qualitative result acceptable |
| F | FAIL – Qualitative result is not acceptable |
| G | Greater than |
| L | Less than |

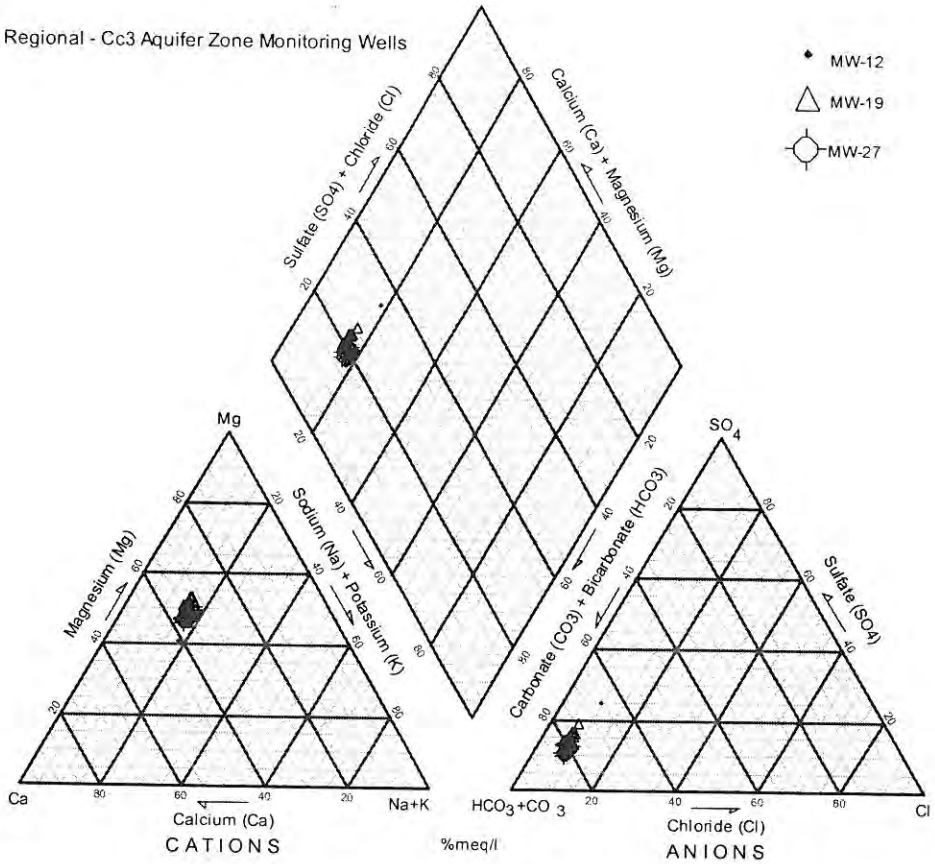
# Appendix K
# Piper Diagrams

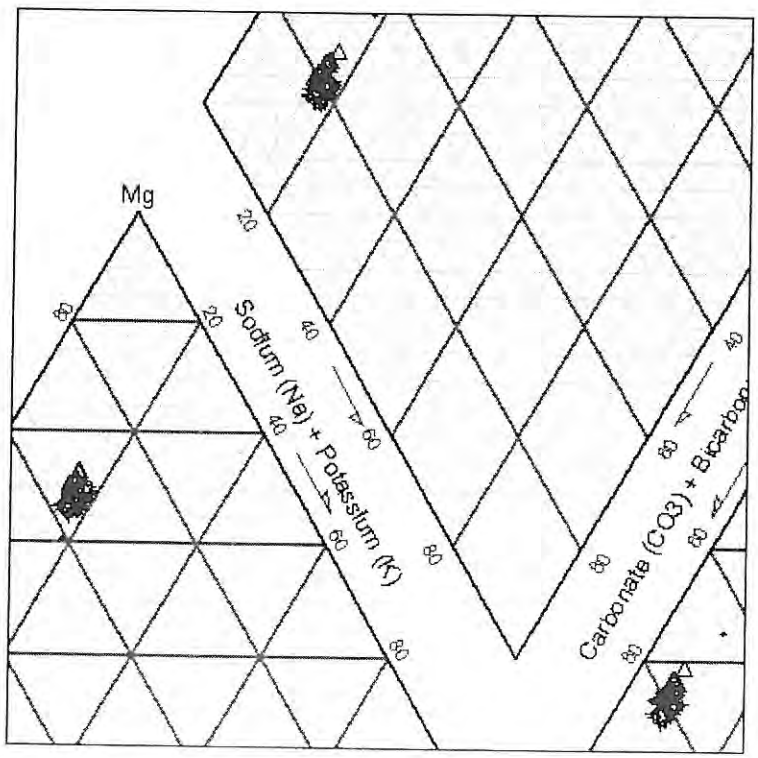
## Cc2 Perched Zone Monitoring Wells



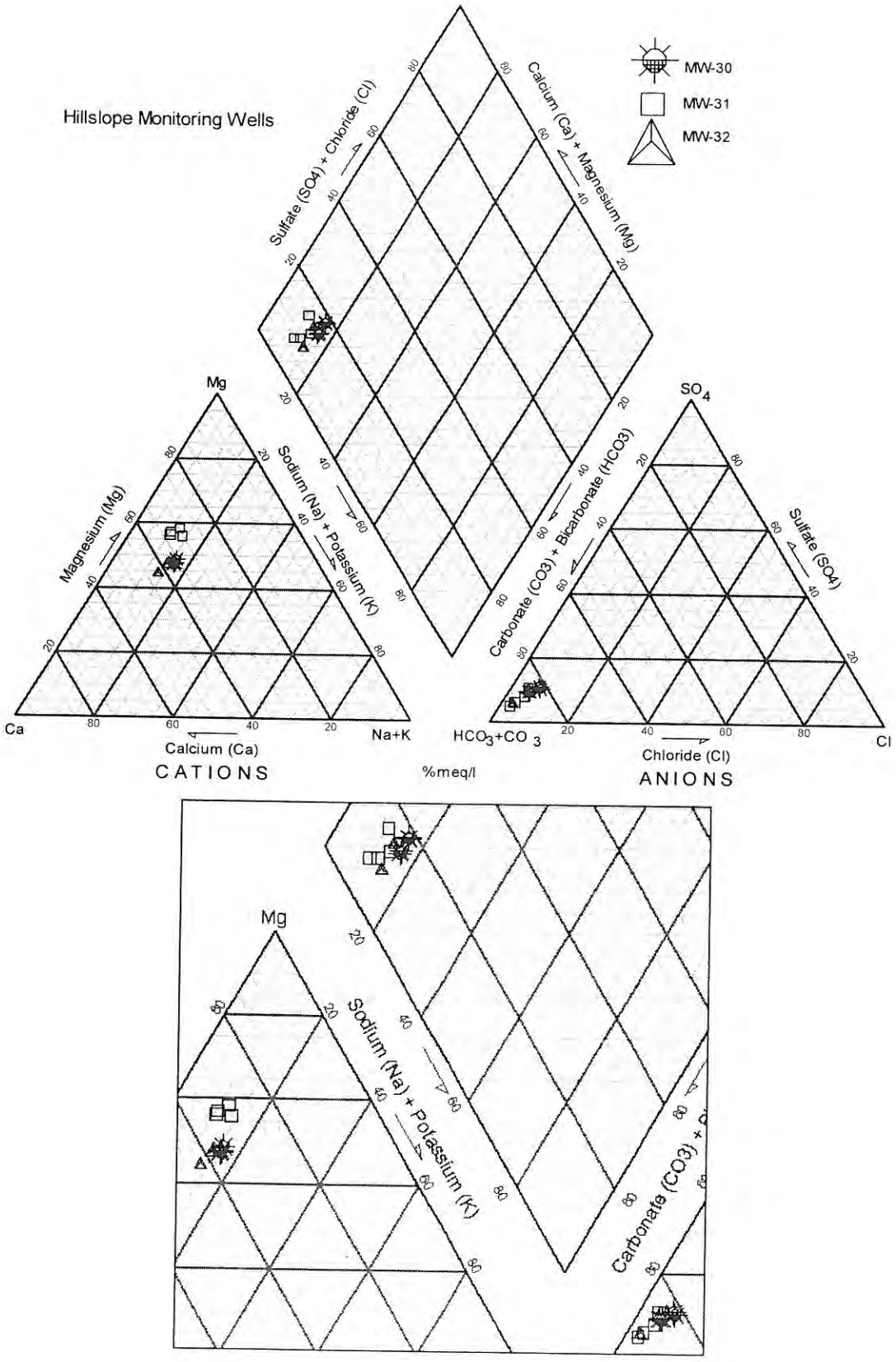



## Regional / Cc3 Aquifer Monitoring Wells

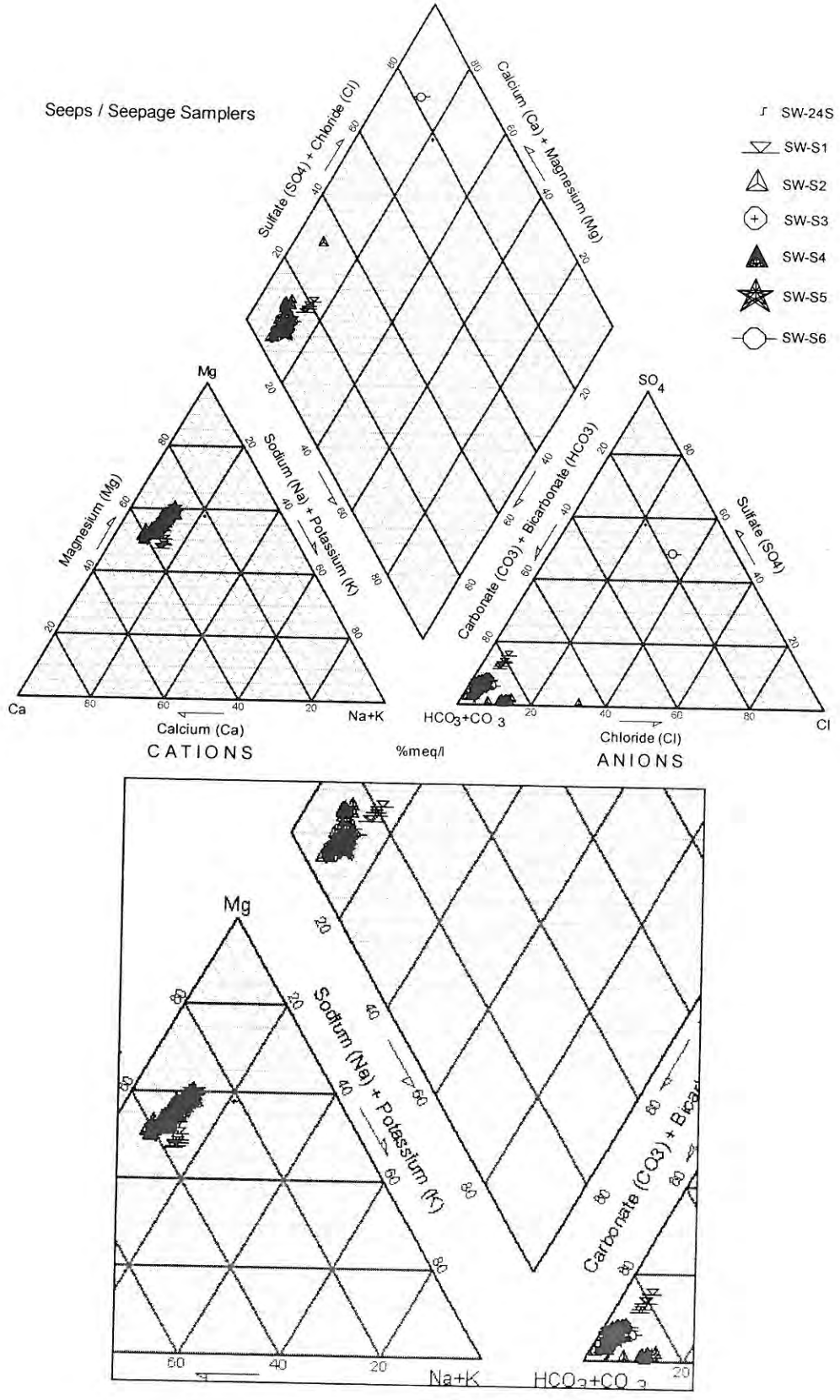


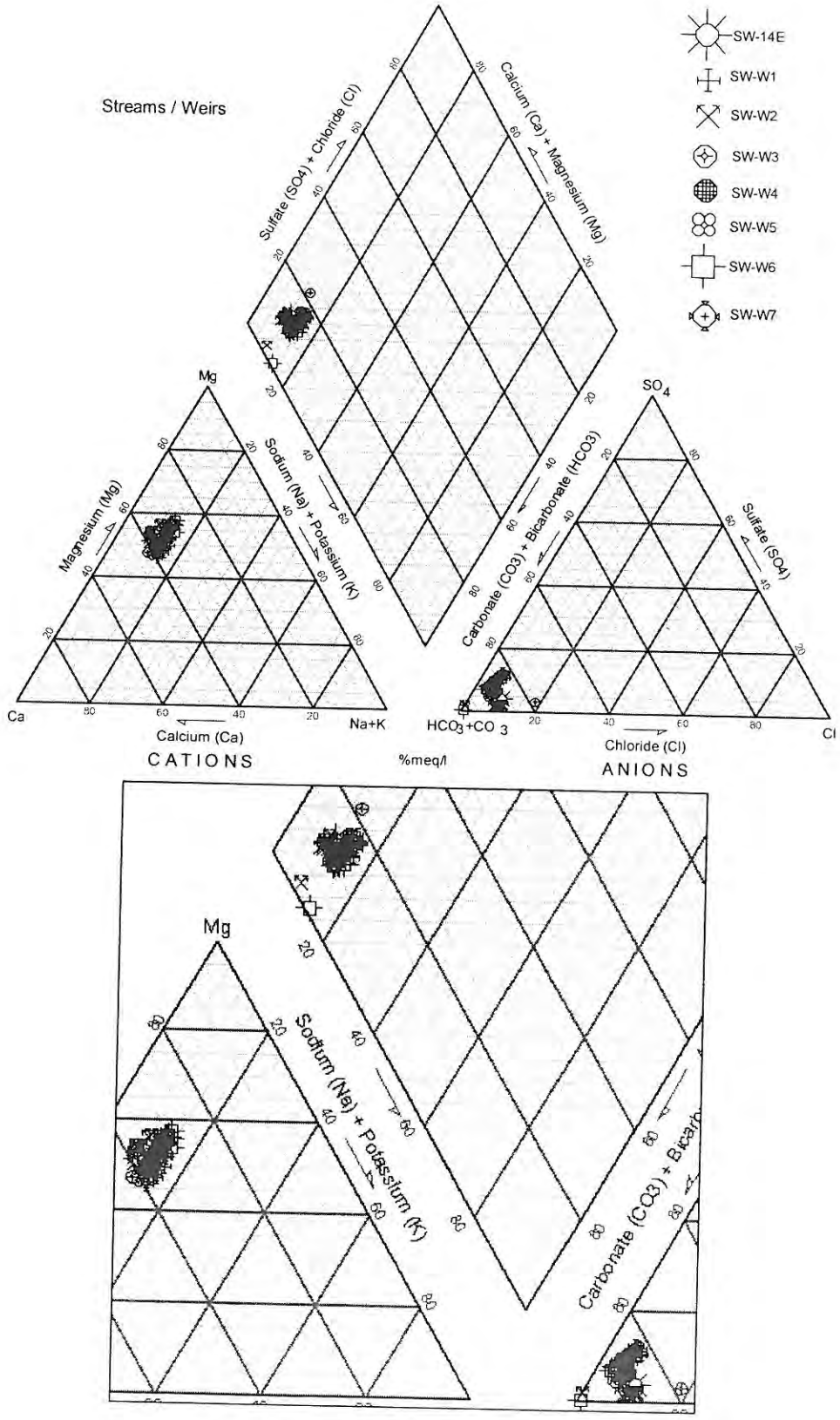
## Hillslope Monitoring Wells



## Seeps / Seepage Samplers



## Streams / Weirs



# Appendix L

# Time Series Plots (Seeps, wells, and weirs)

# Appendix L.1
# Dissolved Metals

**Figures 1 to 21**

**Figure 1 - Dissolved Iron - Hillslope Locations and Cc2 Perched Zone Monitoring Wells 2000-2010**

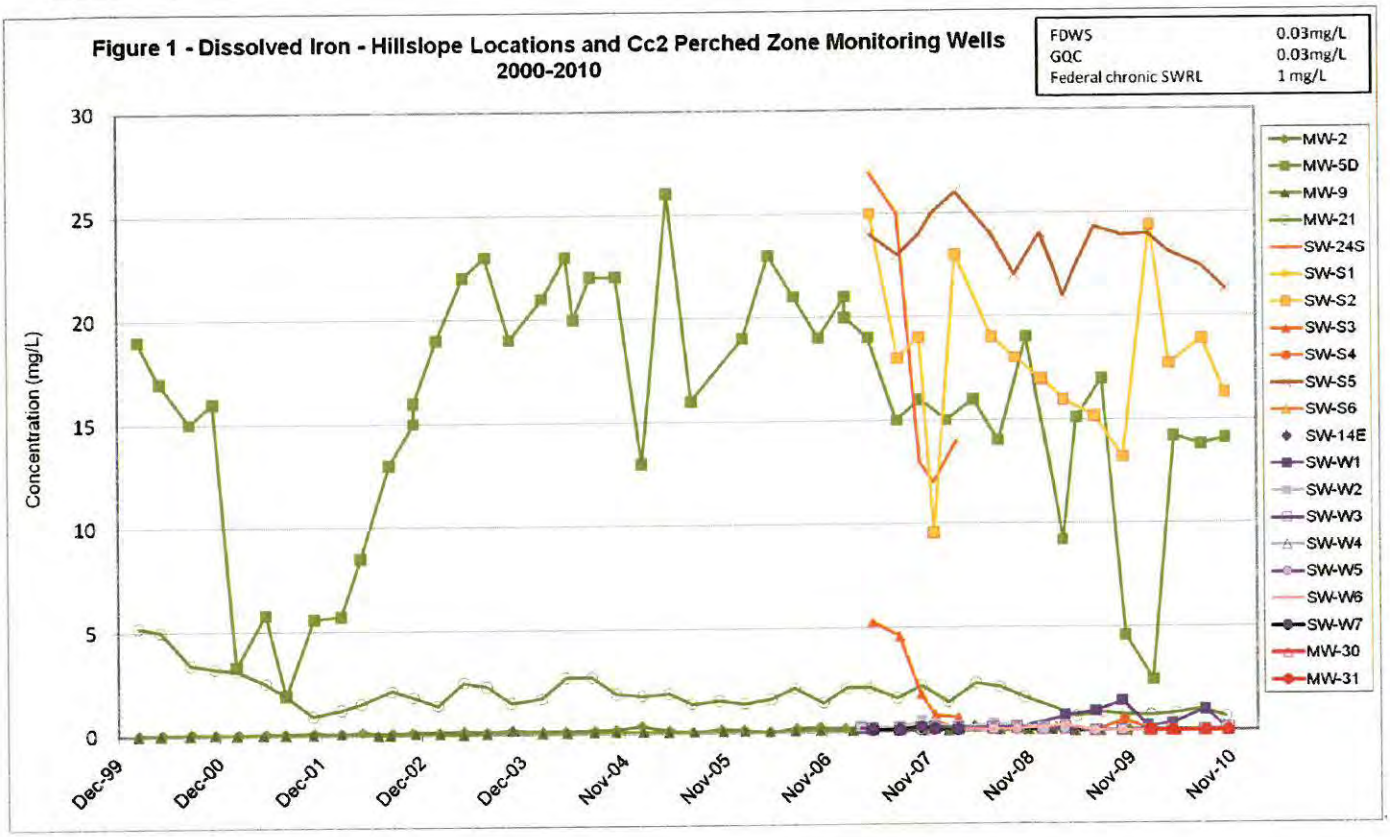



**Figure 2 - Dissolved Iron - Hillslope Locations and Cc2 Perched Zone Monitoring Wells 2007-2010**

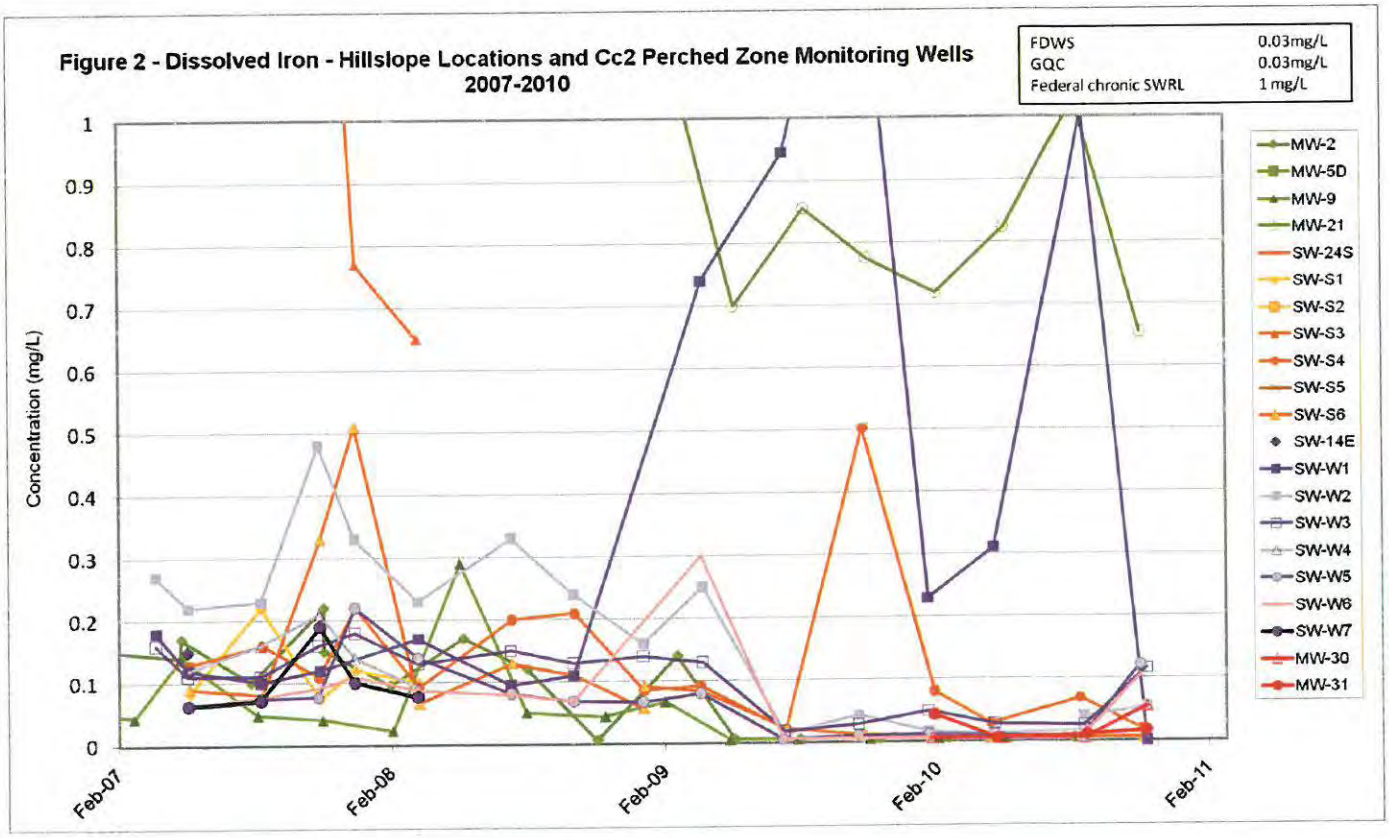


**Figure 3 - Dissolved Iron - Hillslope Locations and Cc3 & Regional Aquifer Monitoring Wells 2000-2010**

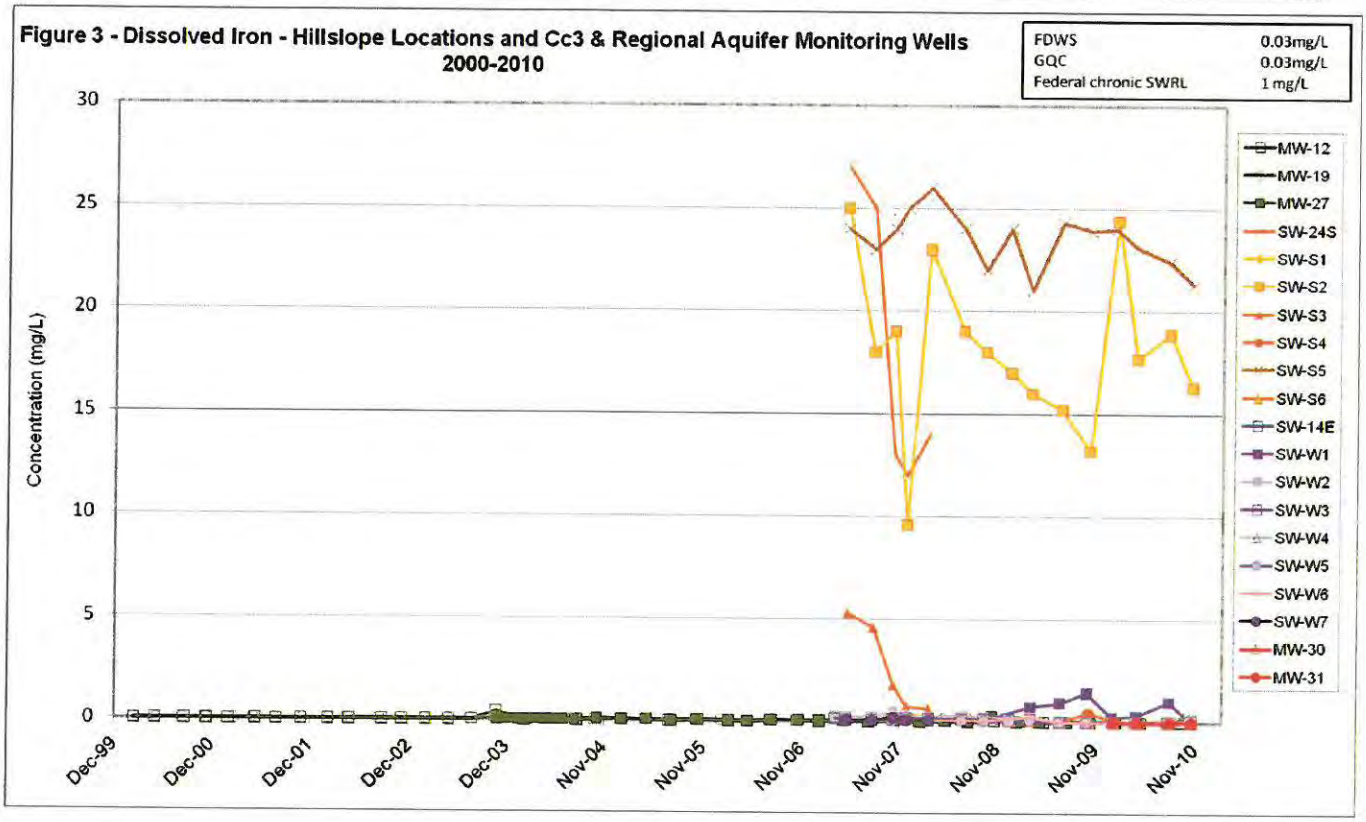
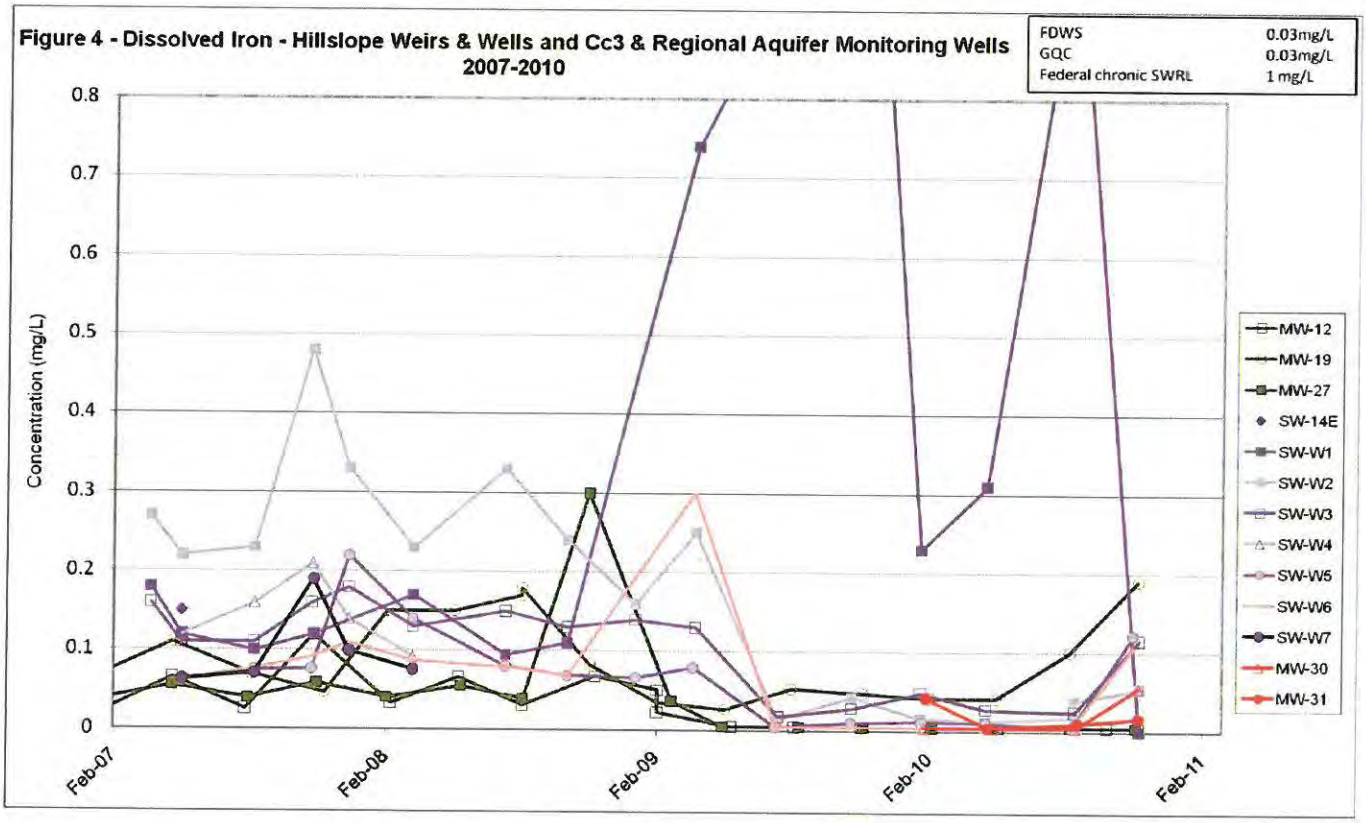



**Figure 4 - Dissolved Iron - Hillslope Weirs & Wells and Cc3 & Regional Aquifer Monitoring Wells 2007-2010**



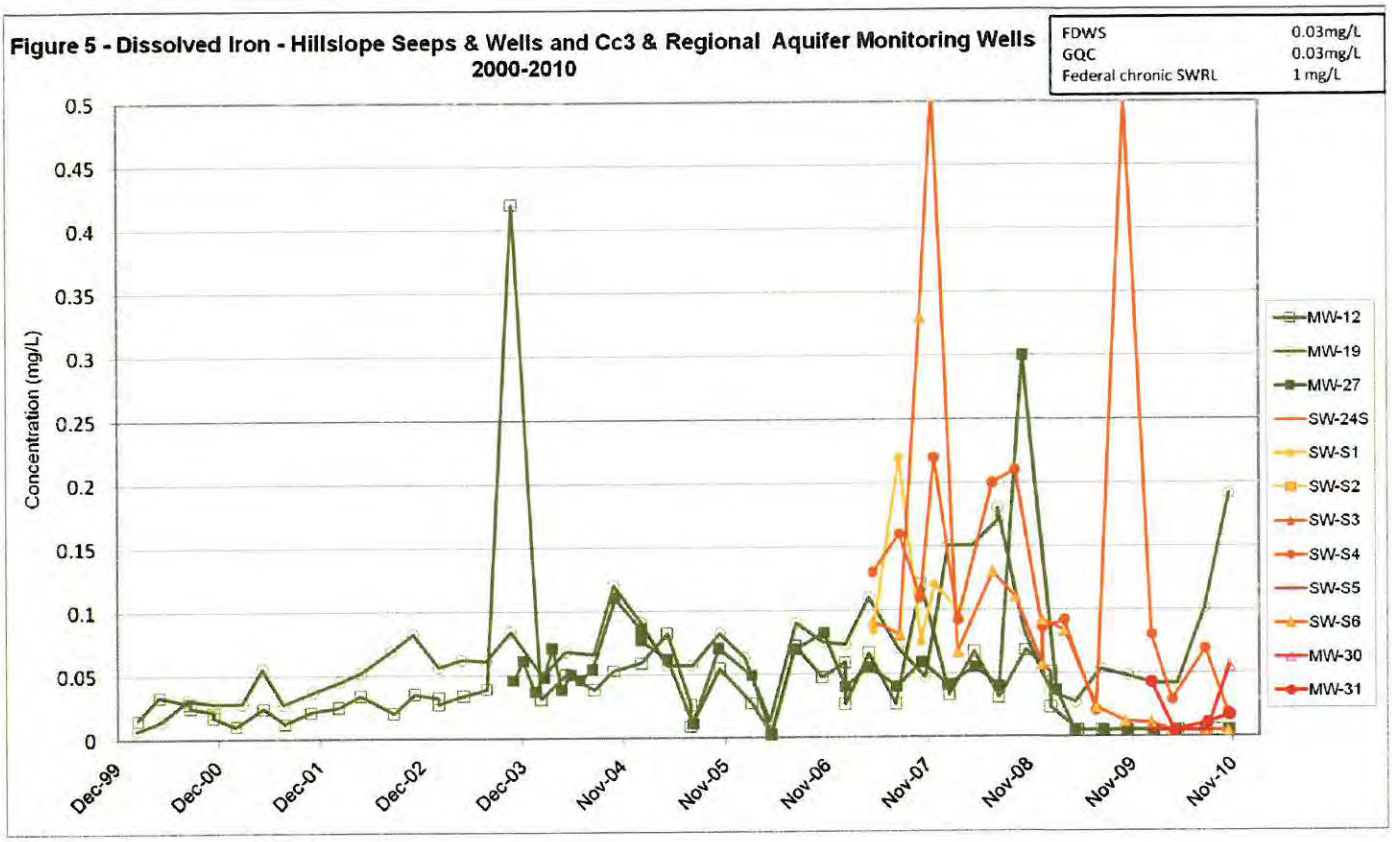


Figure 5 - Dissolved Iron - Hillslope Seeps & Wells and Cc3 & Regional Aquifer Monitoring Wells
2000-2010
FDWS 0.03mg/L
GQC 0.03mg/L
Federal chronic SWRL 1 mg/L
Concentration (mg/L)
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Nov-04
Nov-05
Nov-06
Nov-07
Nov-08
Nov-09
Nov-10
MW-12
MW-19
MW-27
SW-24S
SW-S1
SW-S2
SW-S3
SW-S4
SW-S5
SW-S6
MW-30
MW-31

**Figure 6 - Dissolved Magnesium - Hillslope Locations and Cc2 Perched Zone Monitoring Wells 2000-2010**

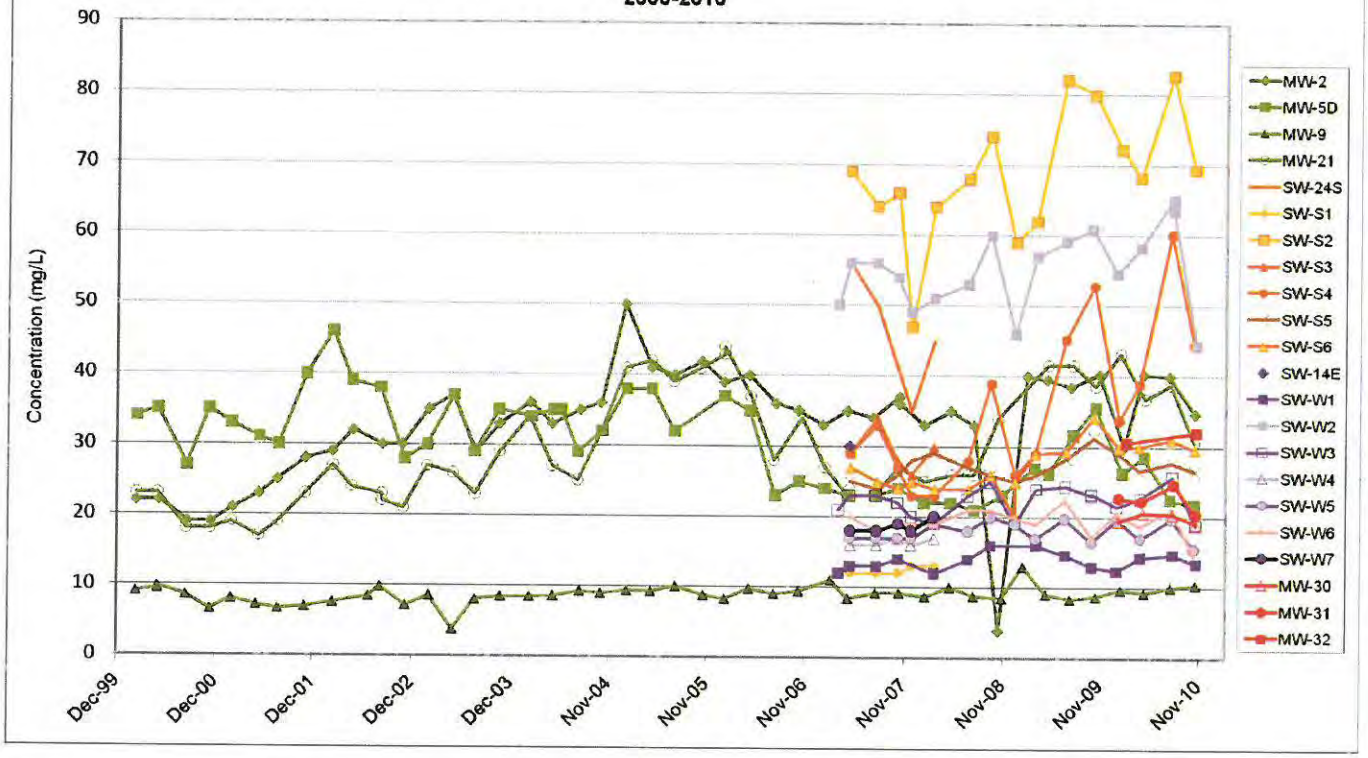



**Figure 7- Dissolved Magnesium - Hillslope Locations and Cc2 Perched Zone Monitoring Wells 2007-2010**

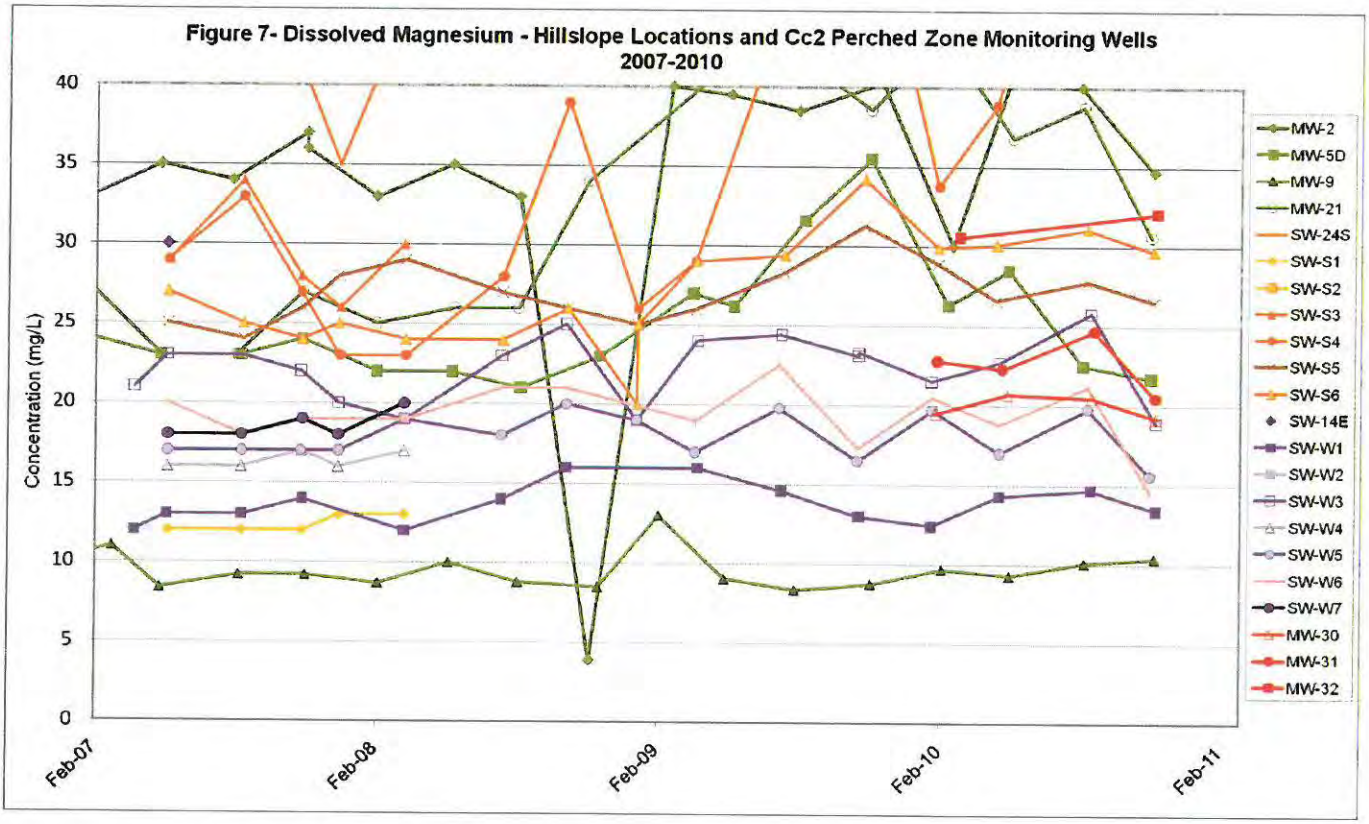


**Figure 8- Dissolved Magnesium- Hillslope Locations and Regional/Cc3 Aquifer Monitoring Wells 2000-2010**

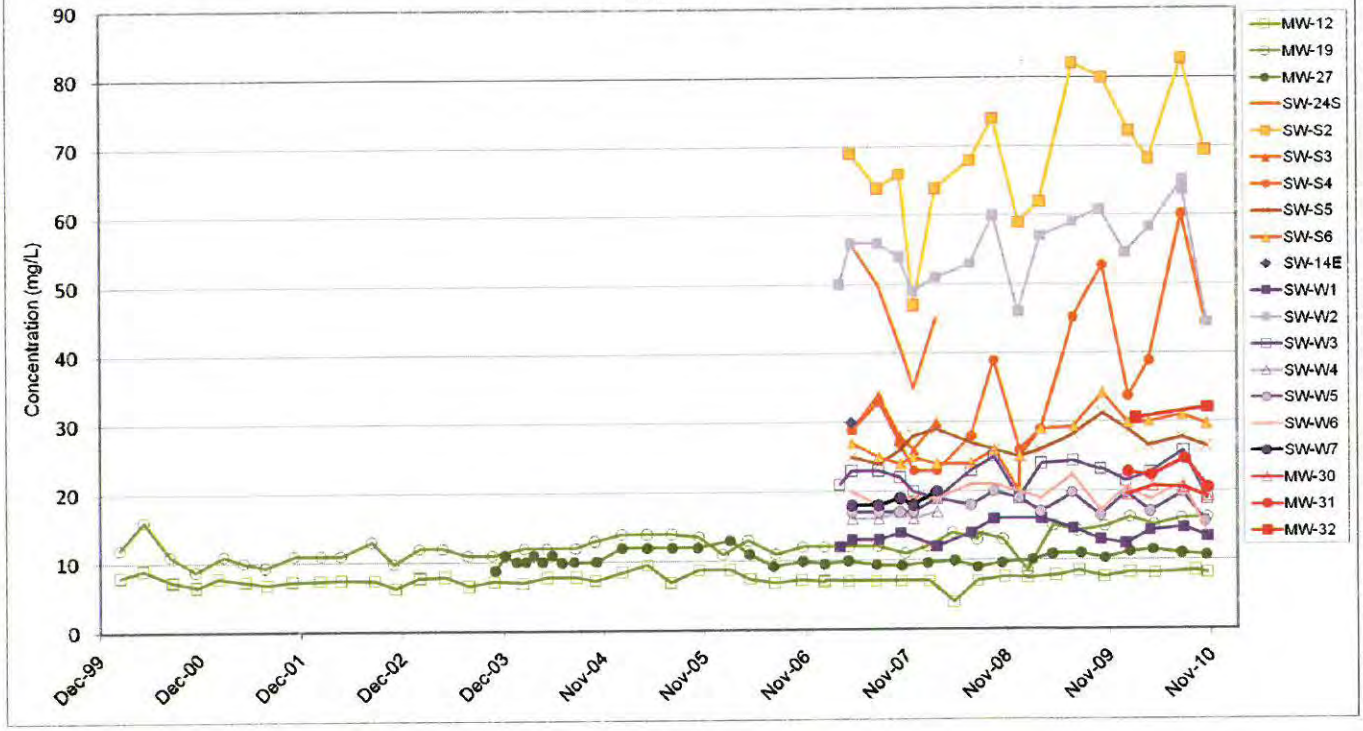



**Figure 9- Dissolved Magnesium - Hillslope Locations and Regional/Cc3 Aquifer Monitoring Wells 2007-2010**

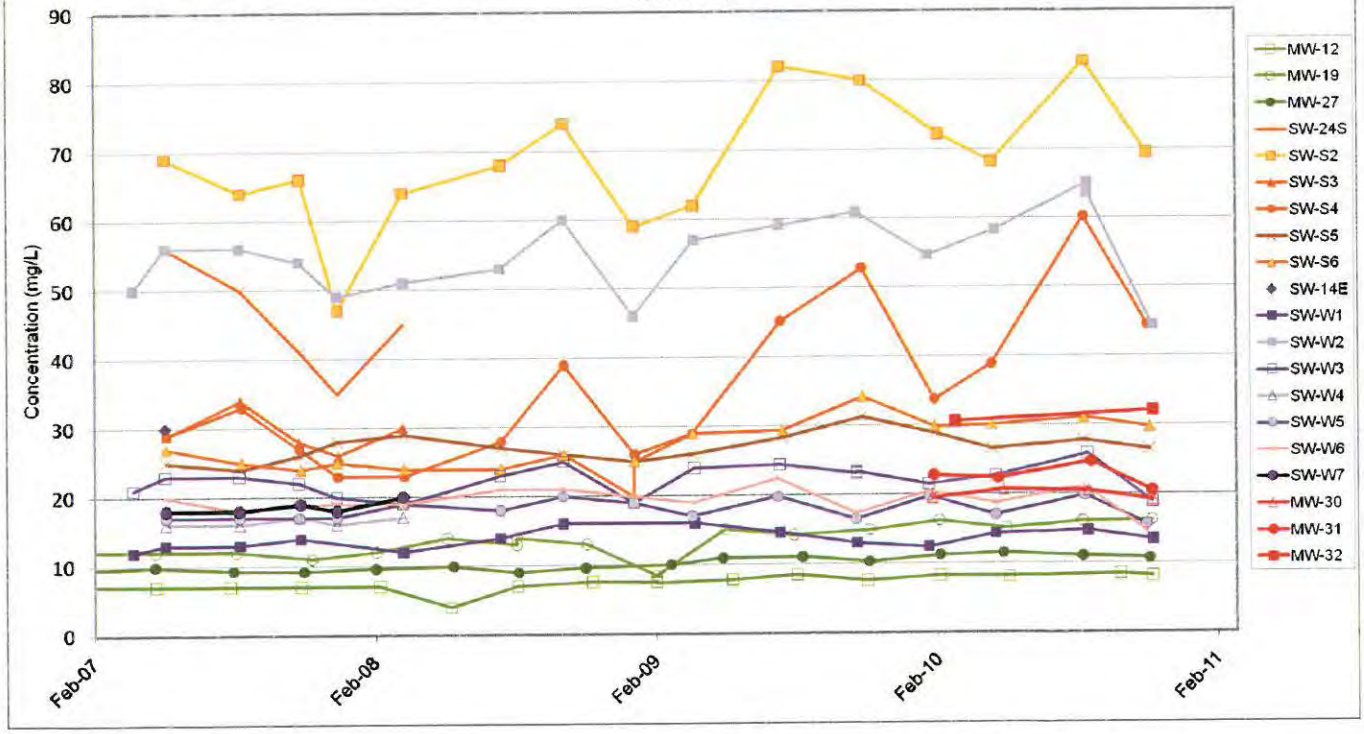


**Figure 10 - Dissolved Manganese - Hillslope Locations and Cc2 Perched Zone Monitoring Wells 2000-2010**

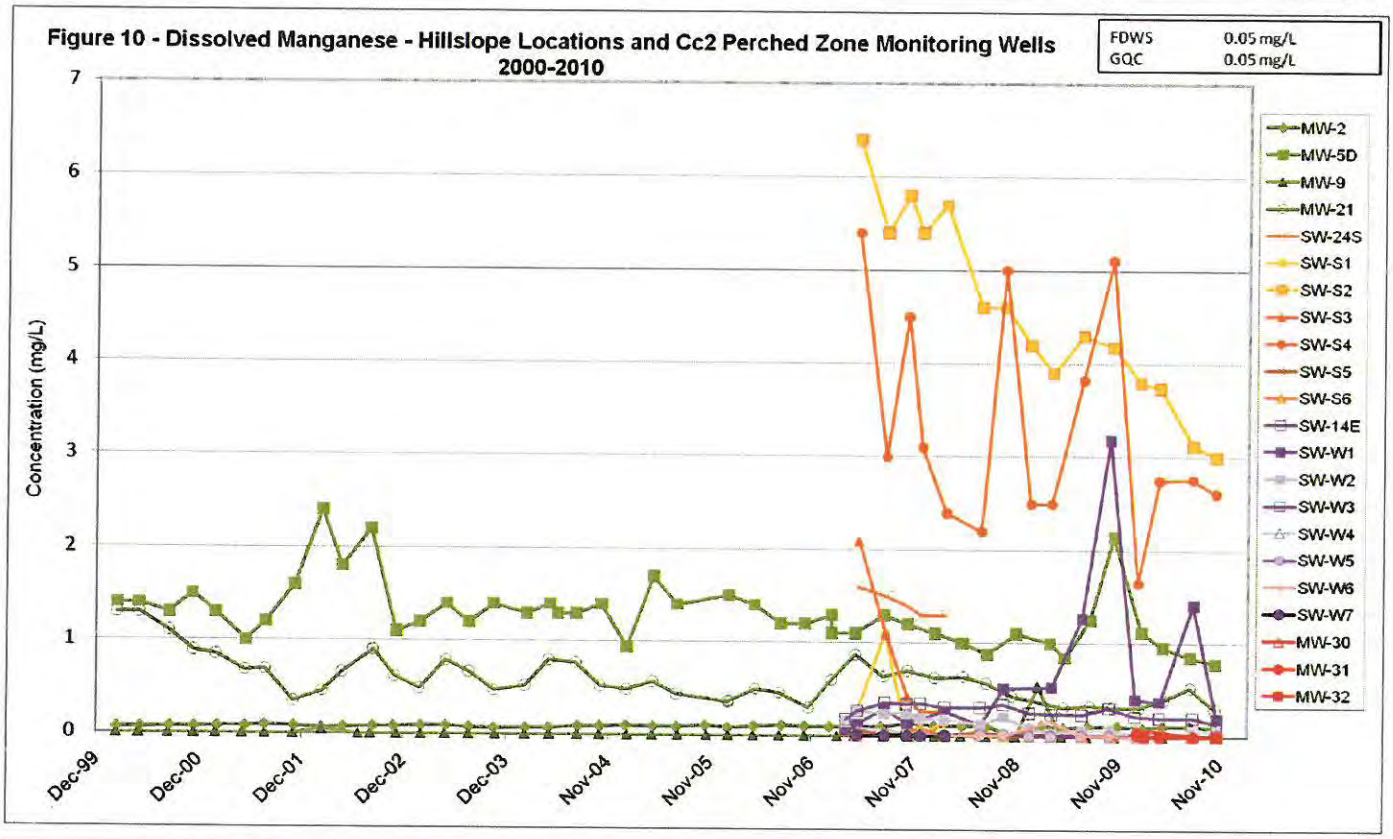



**Figure 11- Dissolved Manganese - Hillslope Locations and Cc2 Perched Zone Monitoring Wells 2007-2010**

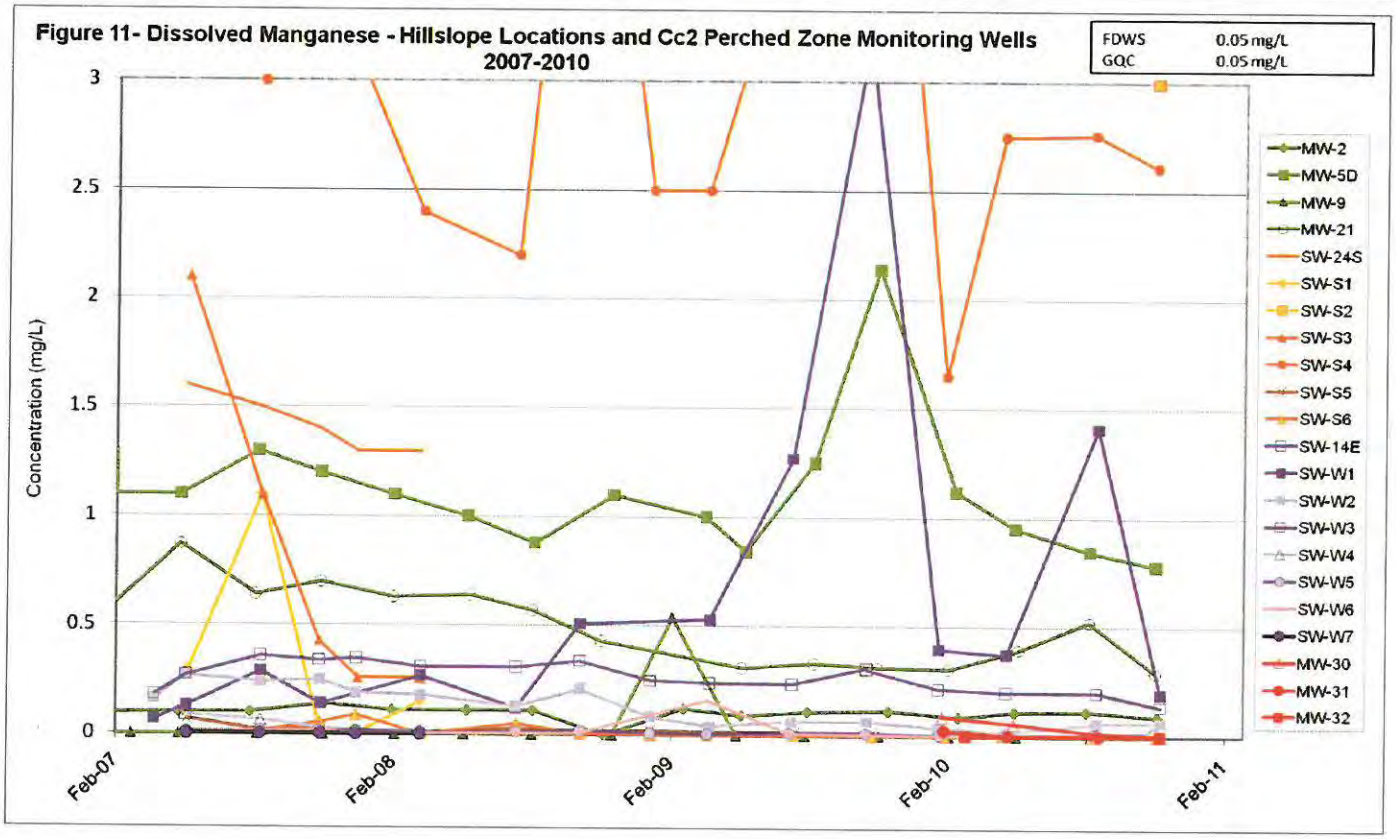


**Figure 12 - Dissolved Manganese - Hillslope Locations and Cc3 & Regional Aquifer Monitoring Wells 2000-2010**

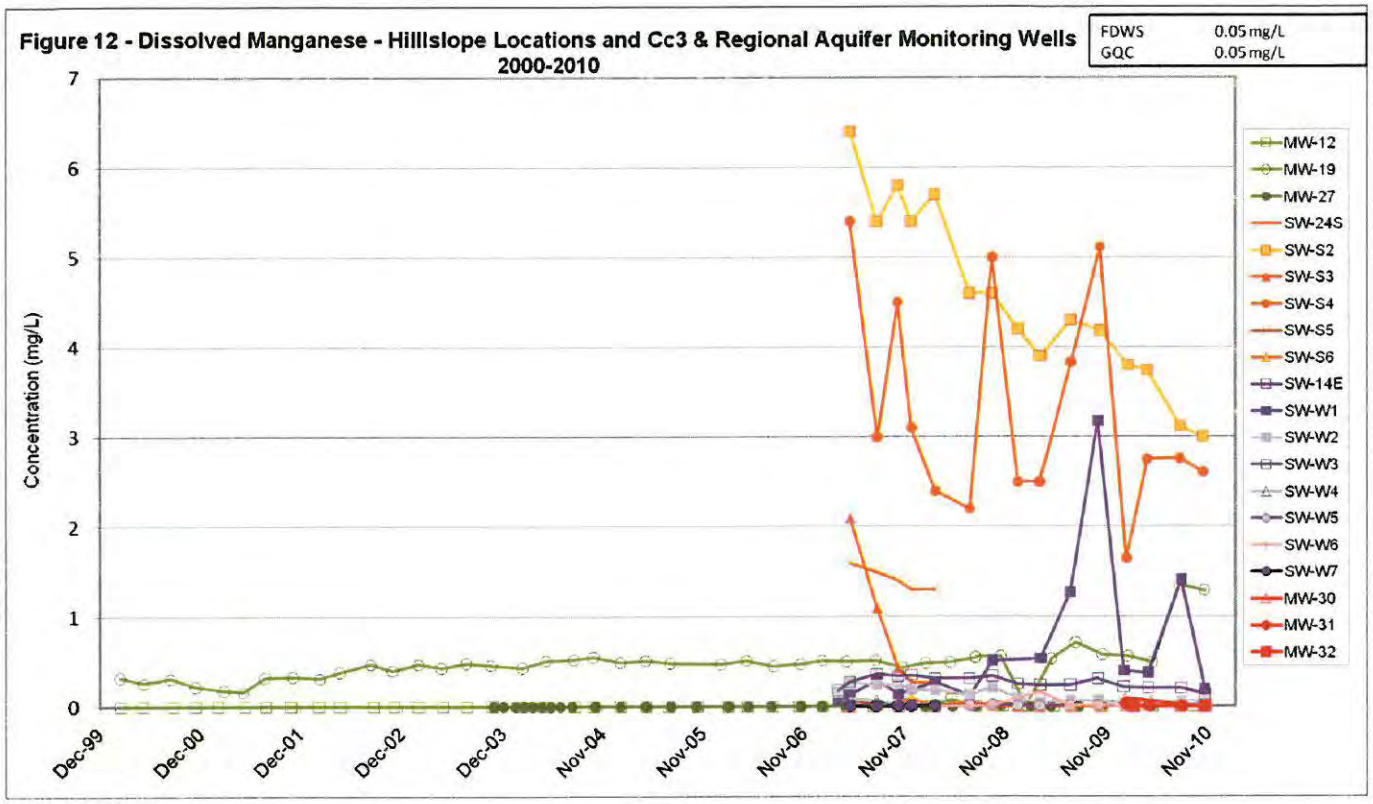



**Figure 13 - Dissolved Manganese - Hillslope Locations and Cc3 & Regional Aquifer Monitoring Wells 2007-2010**

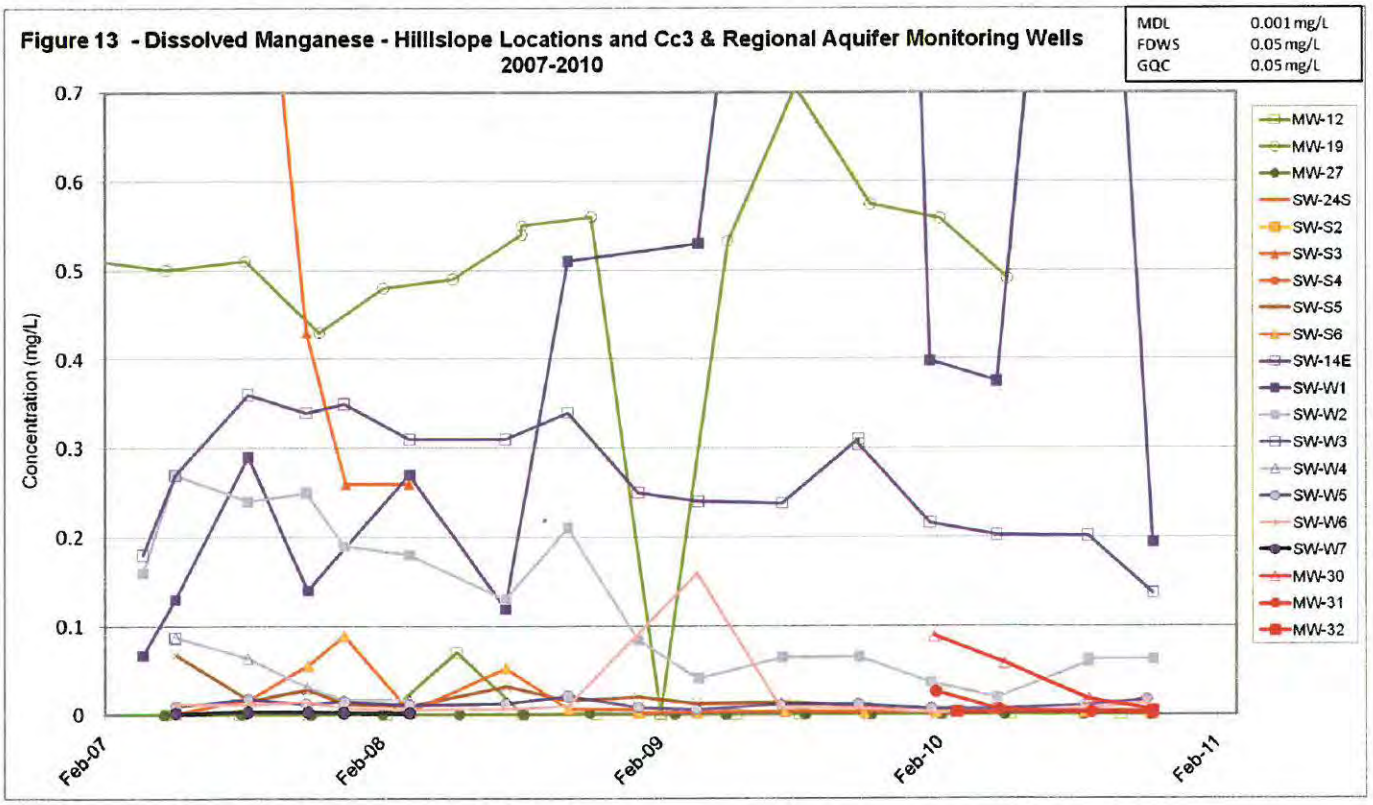


**Figure 14 - Dissolved Arsenic - Hillslope Locations and Cc2 Perched Zone Monitoring Wells 2000-2010**

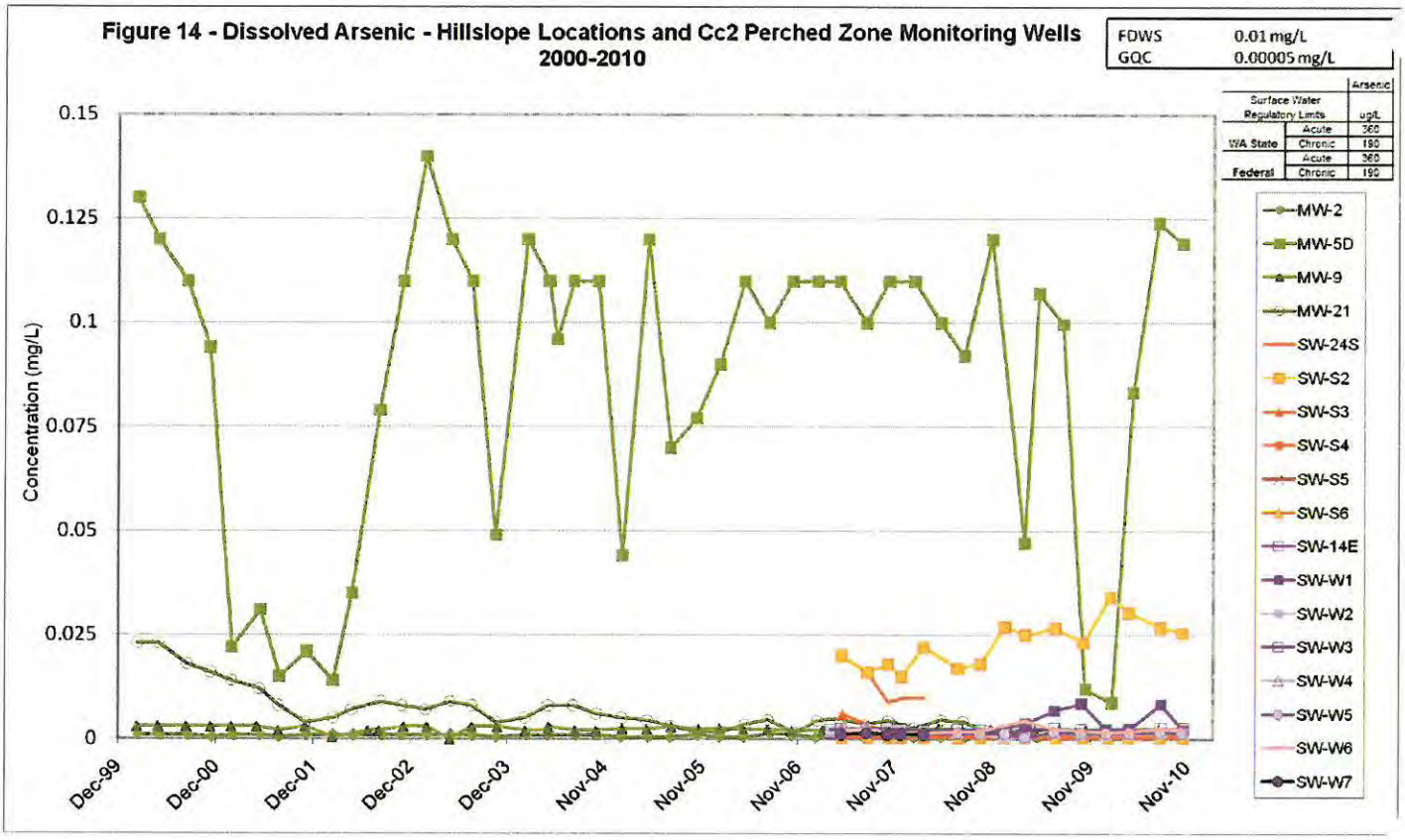



**Figure 15 - Dissolved Arsenic - Hillslope Locations and Cc3 & Regional Aquifer Monitoring Wells 2000-2010**

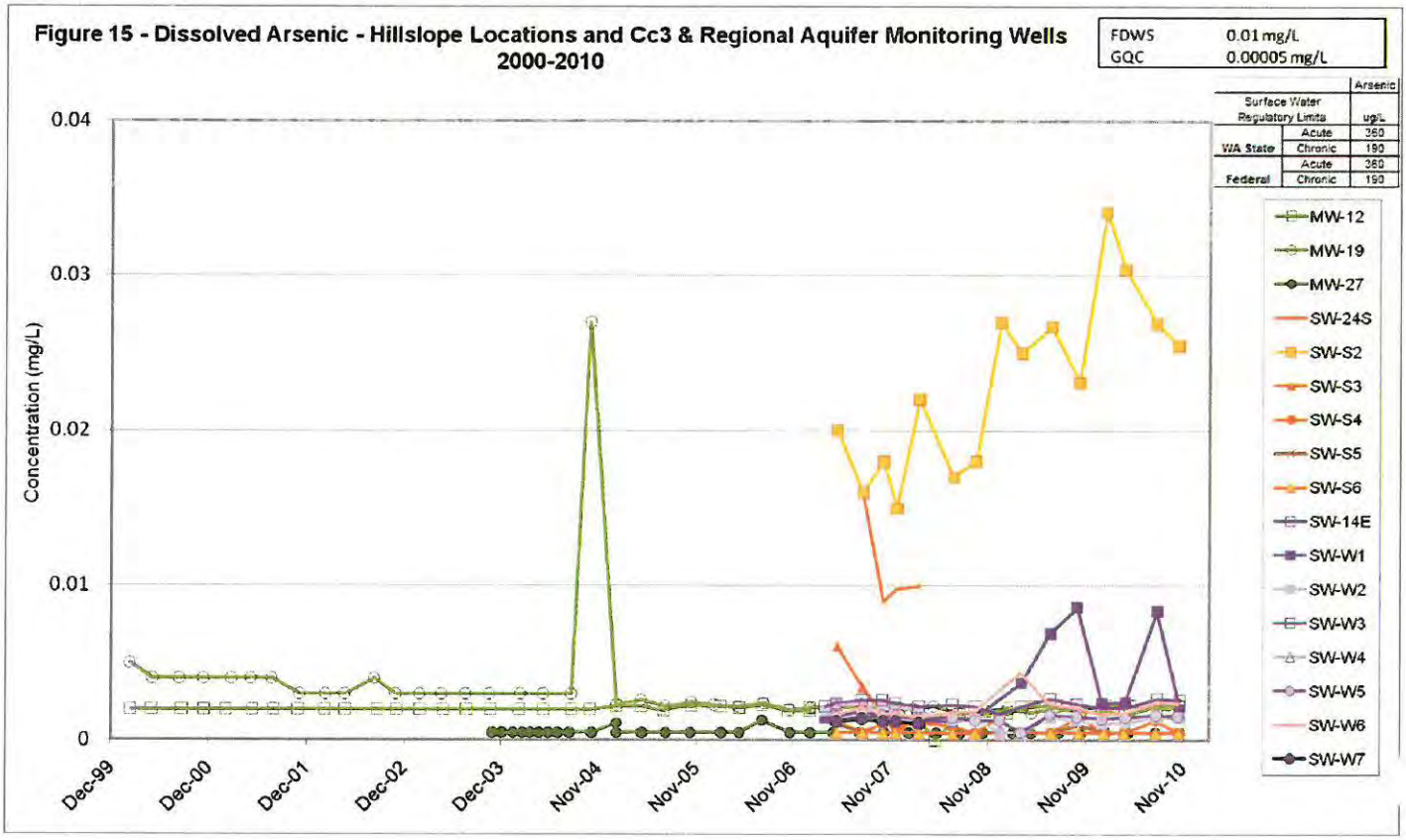


**Figure 16 - Dissolved Calcium - Hillslope Locations and Cc2 Perched Zone Monitoring Wells 2000-2010**

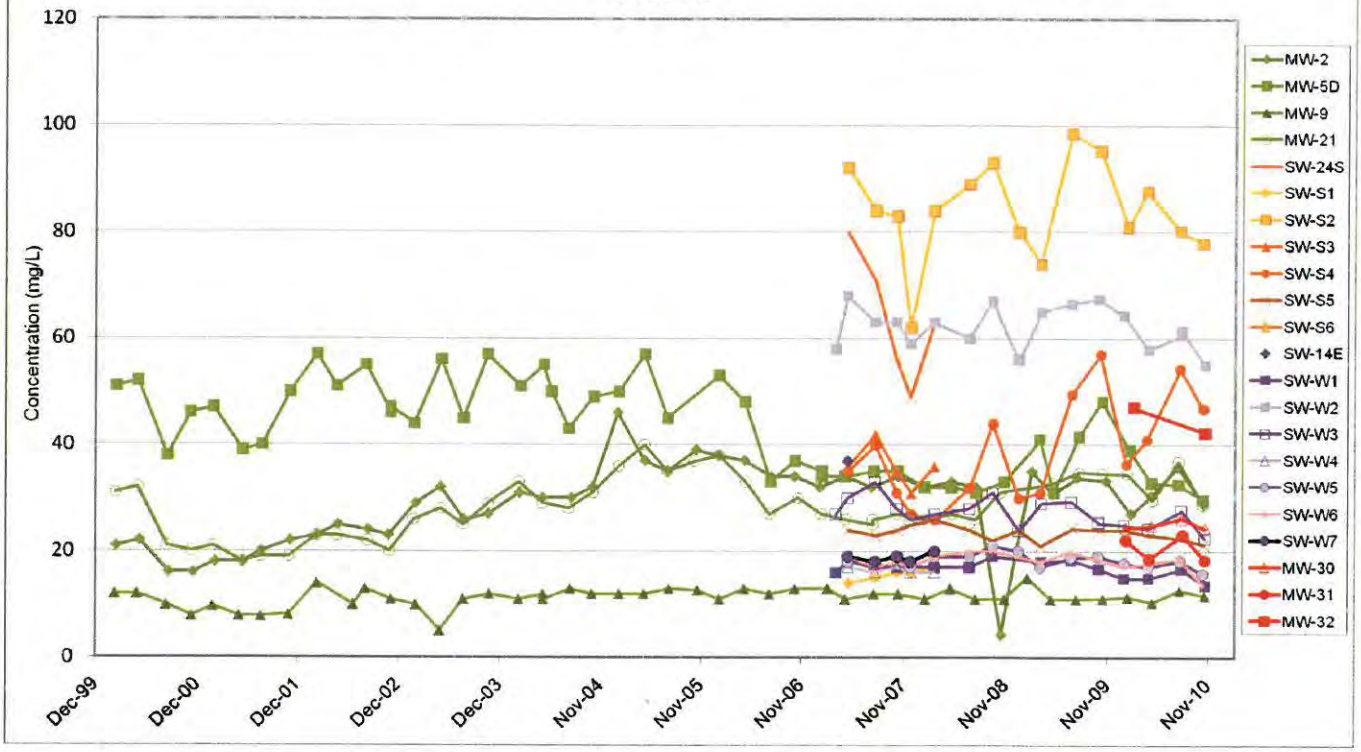



**Figure 17 - Dissolved Calcium - Hillslope Locations and Cc3 & Regional Aquifer Monitoring Wells 2000-2010**

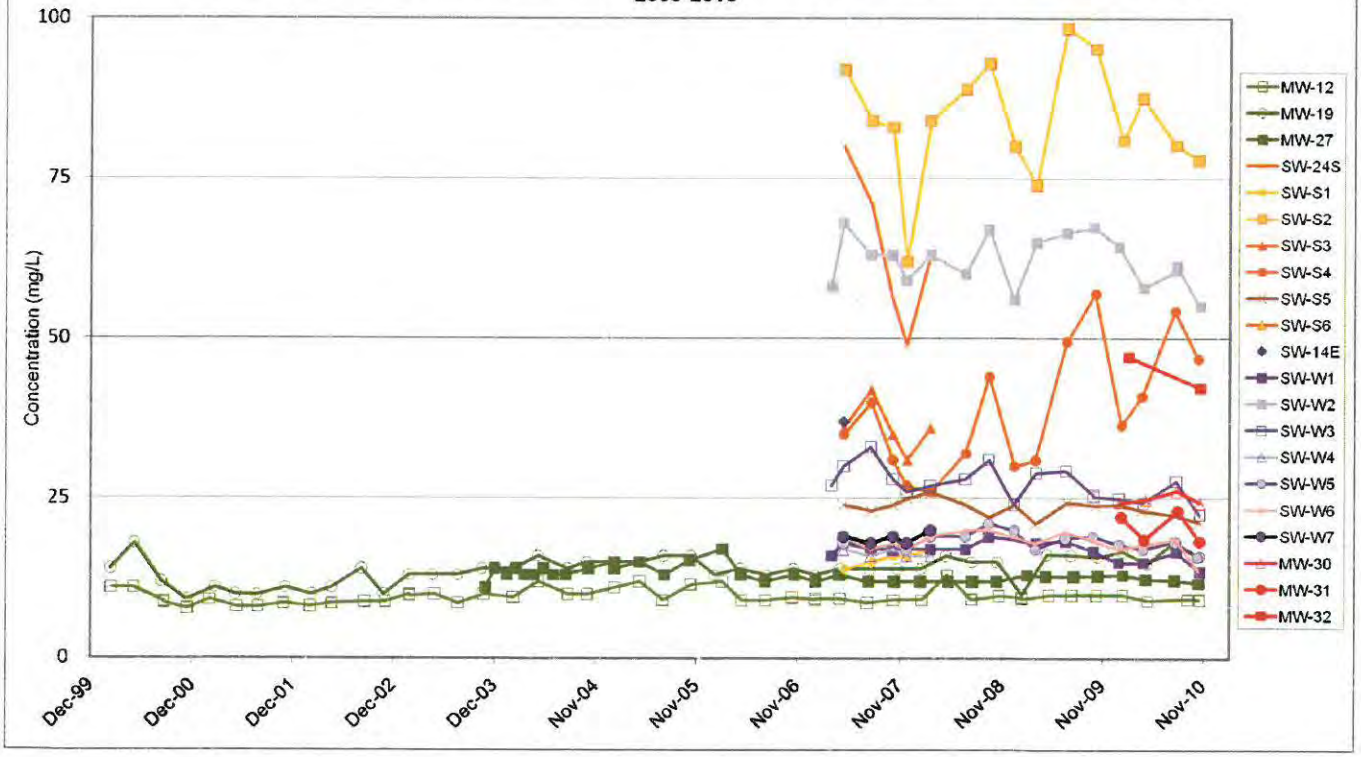


**Figure 18 - Dissolved Potassium - Hillslope Locations and Cc2 Perched Zone Monitoring Wells 2000-2010**

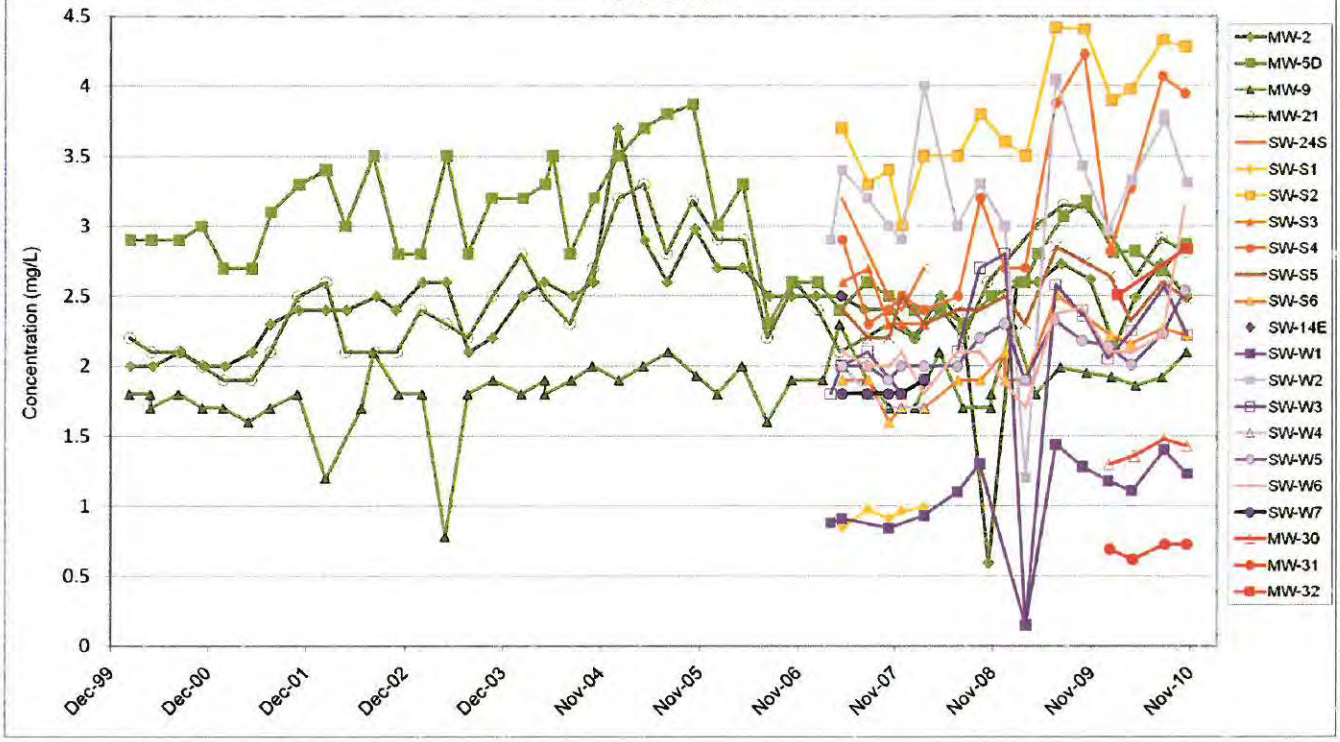



**Figure 19- Dissolved Potassium - Hillslope Locations and Cc3 & Regional Aquifer Zone Monitoring Wells 2000-2010**

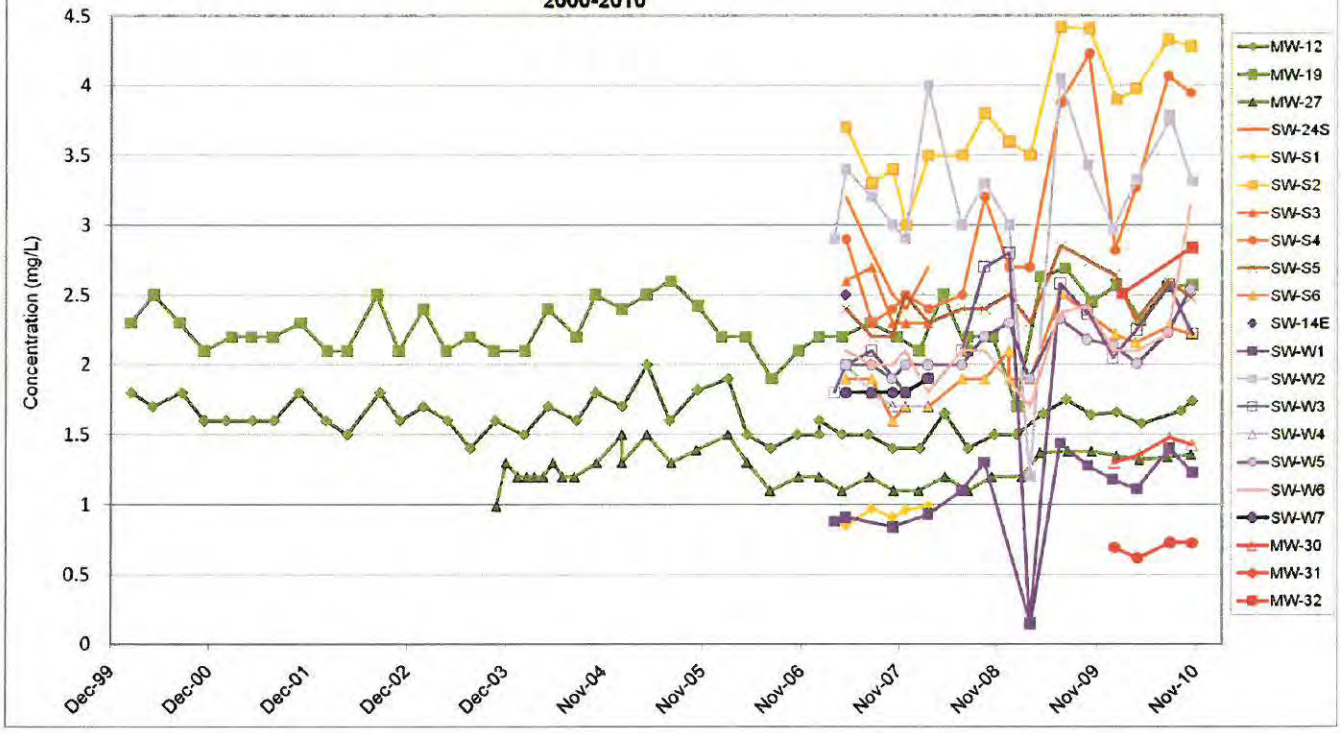


**Figure 20 - Dissolved Sodium - Hillslope Locations and Cc2 Perched Zone Monitoring Wells 2000-2010**

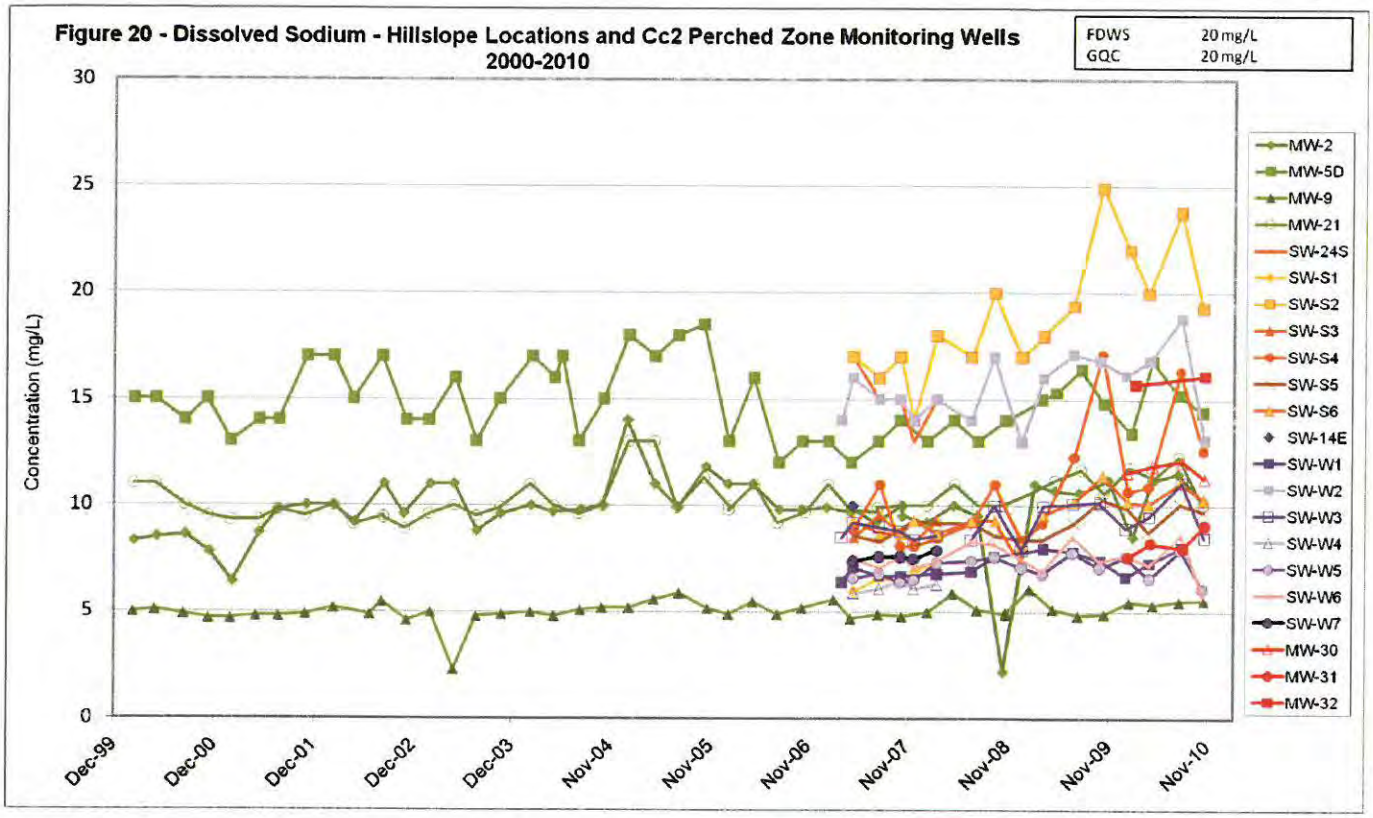
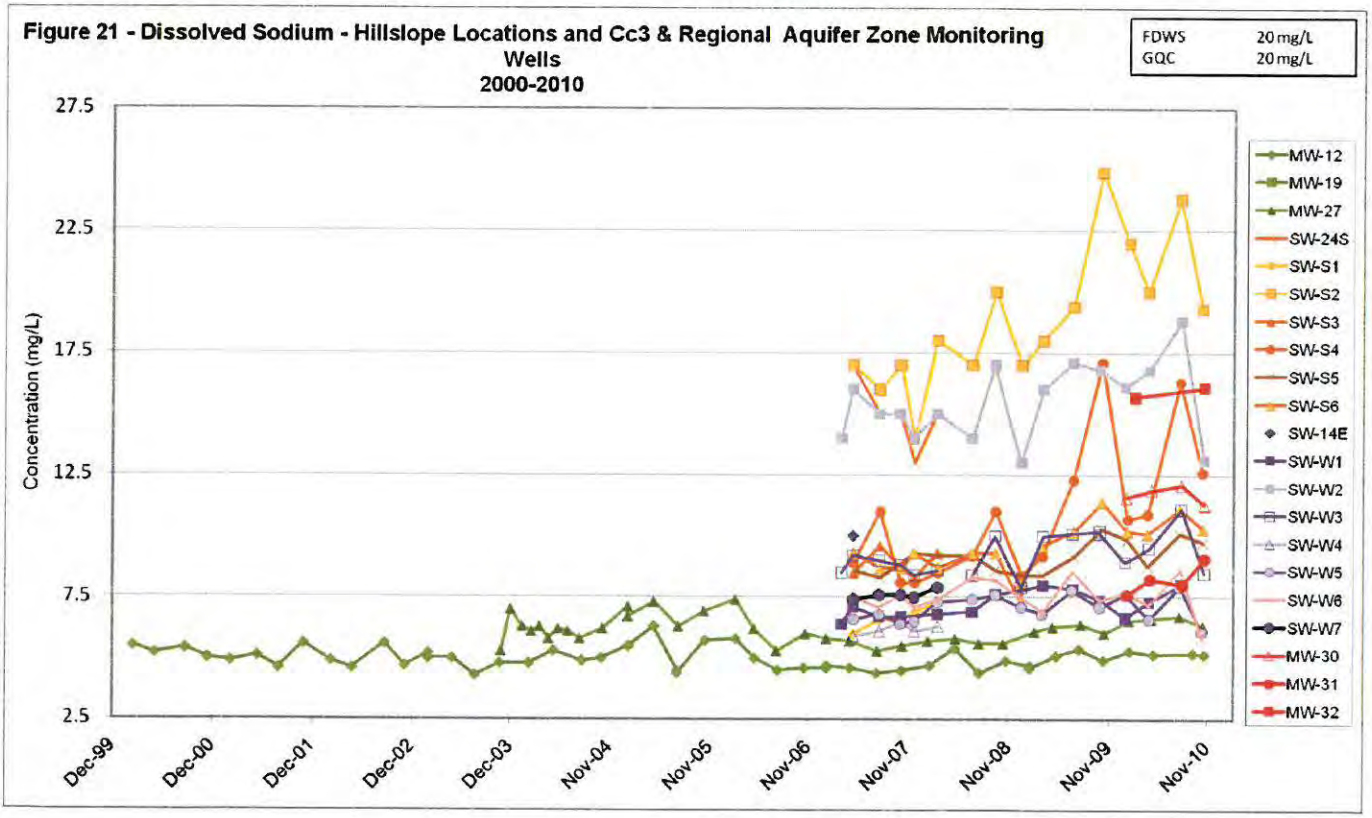



**Figure 21 - Dissolved Sodium - Hillslope Locations and Cc3 & Regional Aquifer Zone Monitoring Wells 2000-2010**



# Appendix L.2

# Volatiles

**Figures 1 to 9**

**Figure 1 -VOCs - Benzene Detected in Surface Water and Groundwater 2000-2010**

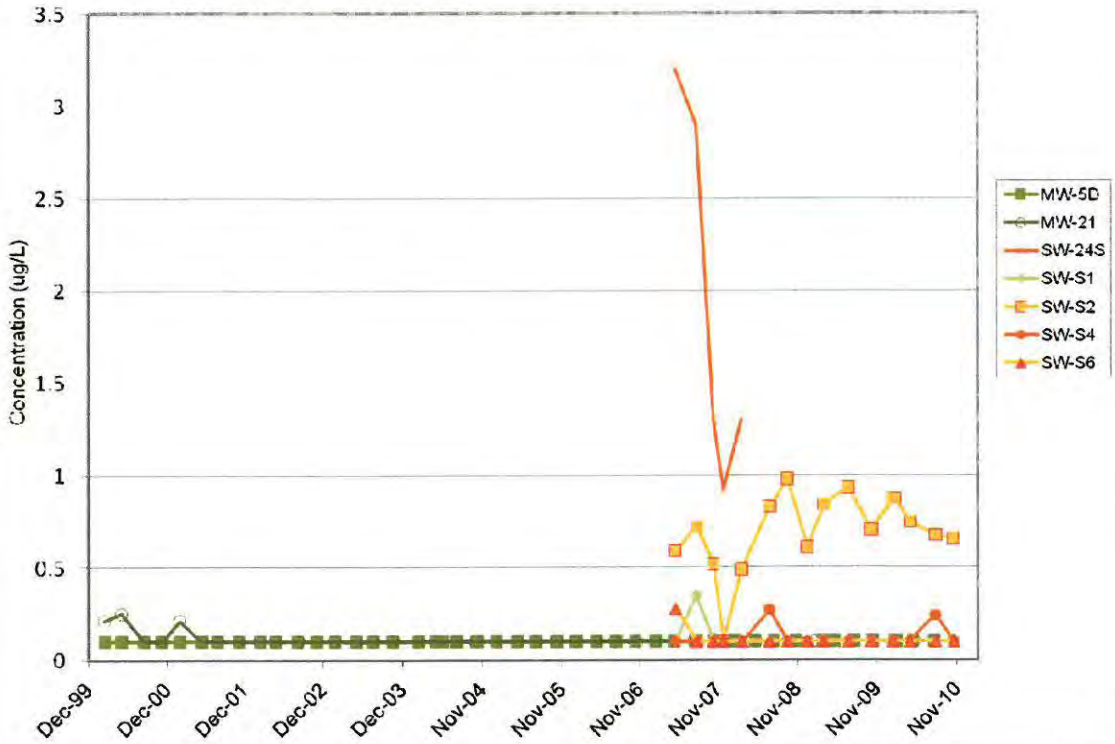



**Figure 2 - VOCs - Toluene Detected in Surface Water and Groundwater 2007-2010**

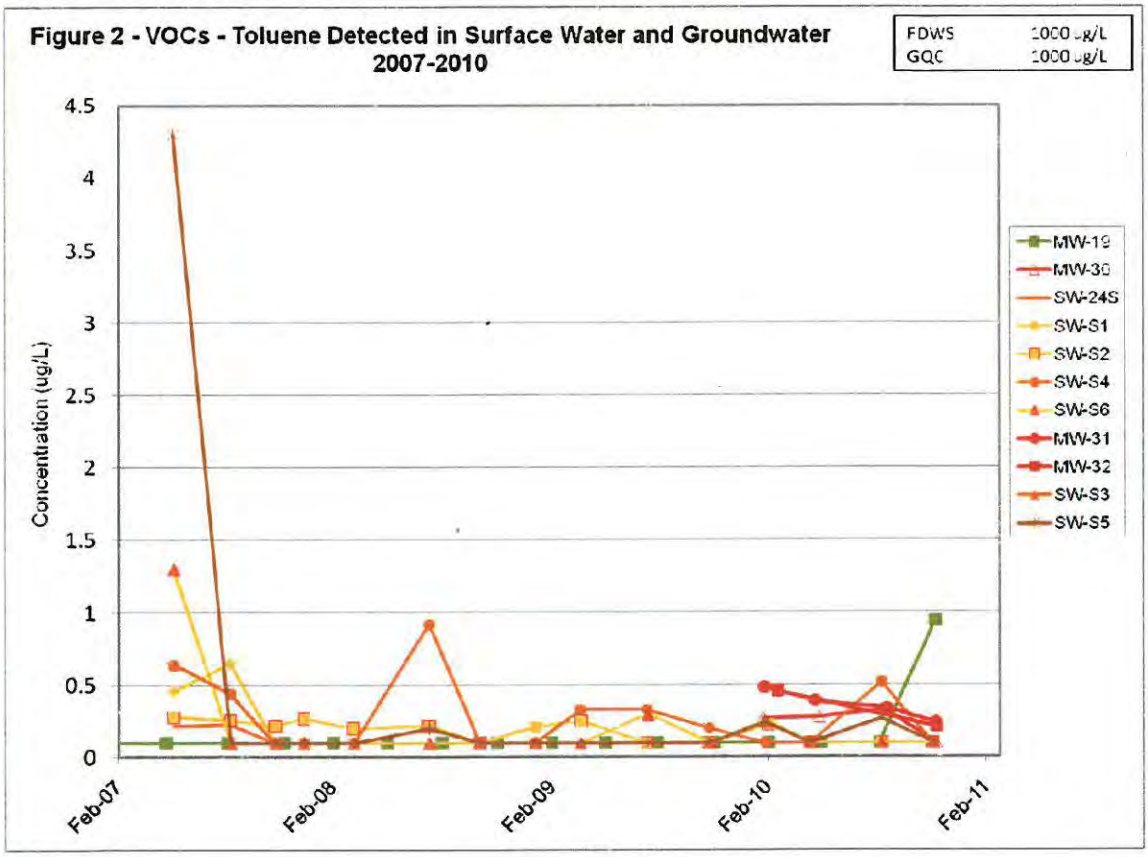


**Figure 3 - VOCs - 1,2-Dichloropropane Detected in Surface Water and Groundwater 2000-2010**

| | |
|---|---|
| FDWS | 5 ug/L |
| GQC | 0.5 ug/L |

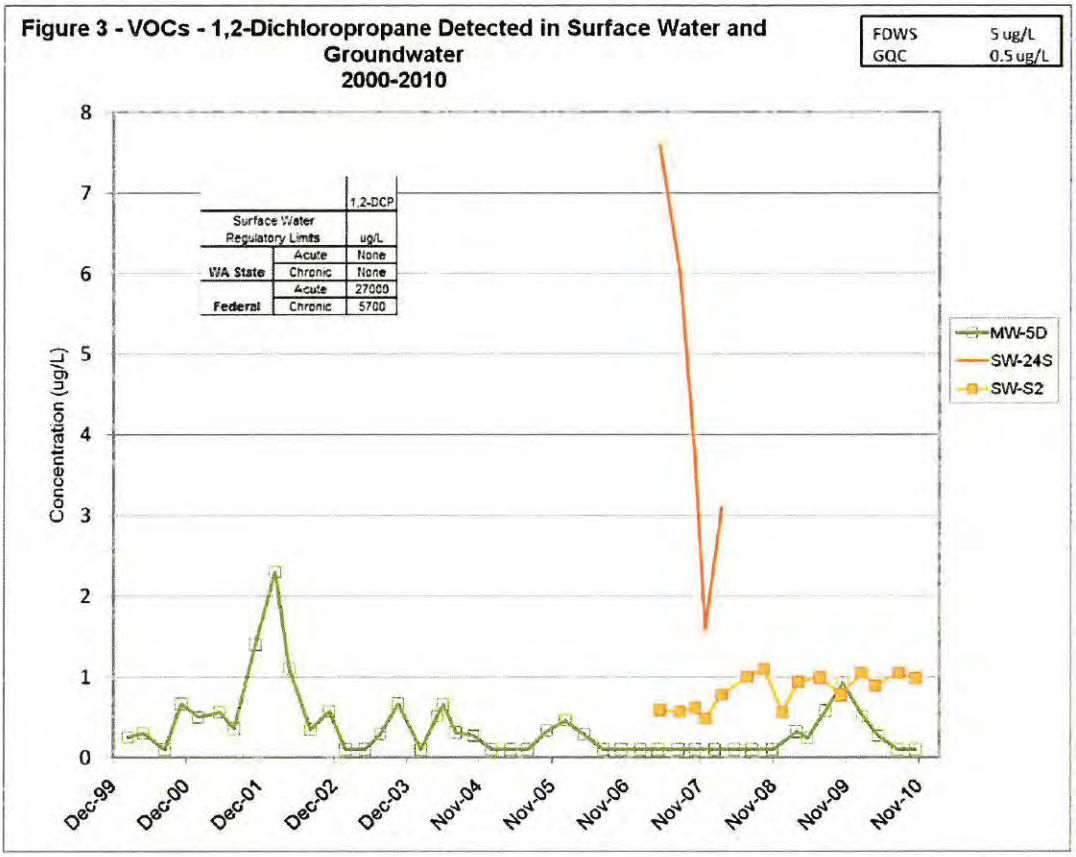
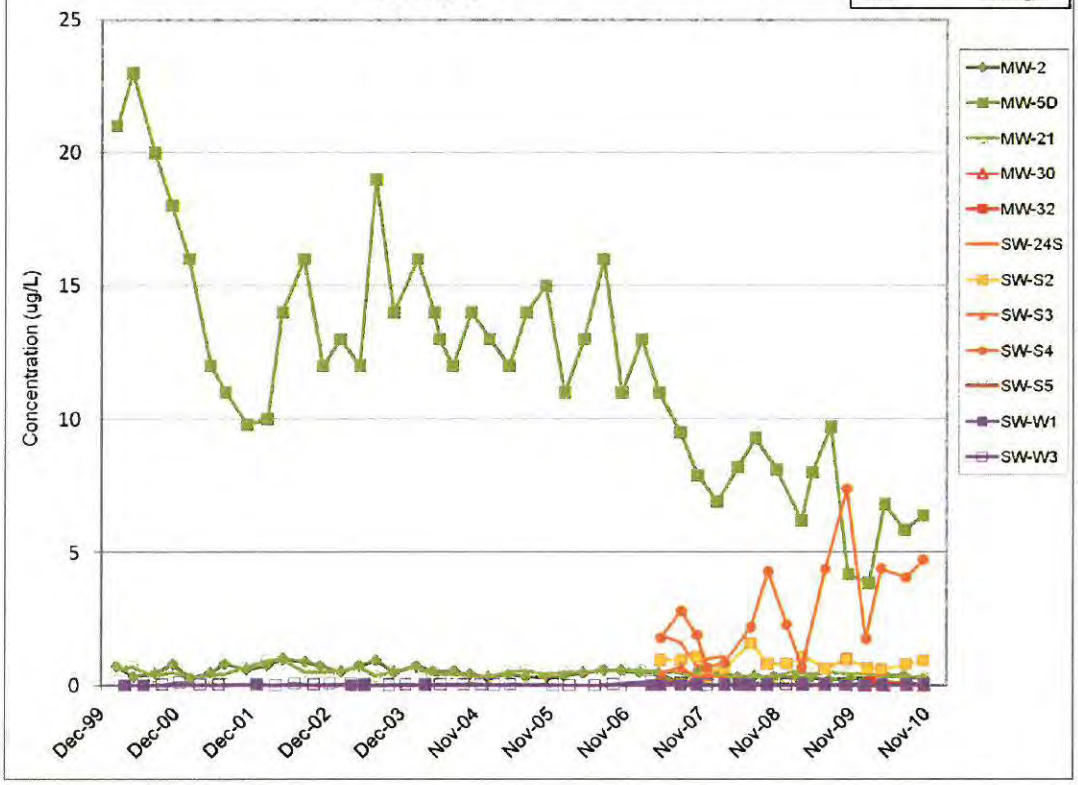



**Figure 4 - VOCs - Vinyl Chloride Detected in Surface Water and Groundwater 2000-2010**

| | |
|---|---|
| FDWS | 2ug/L |
| GQC | 0.02 ug/L |



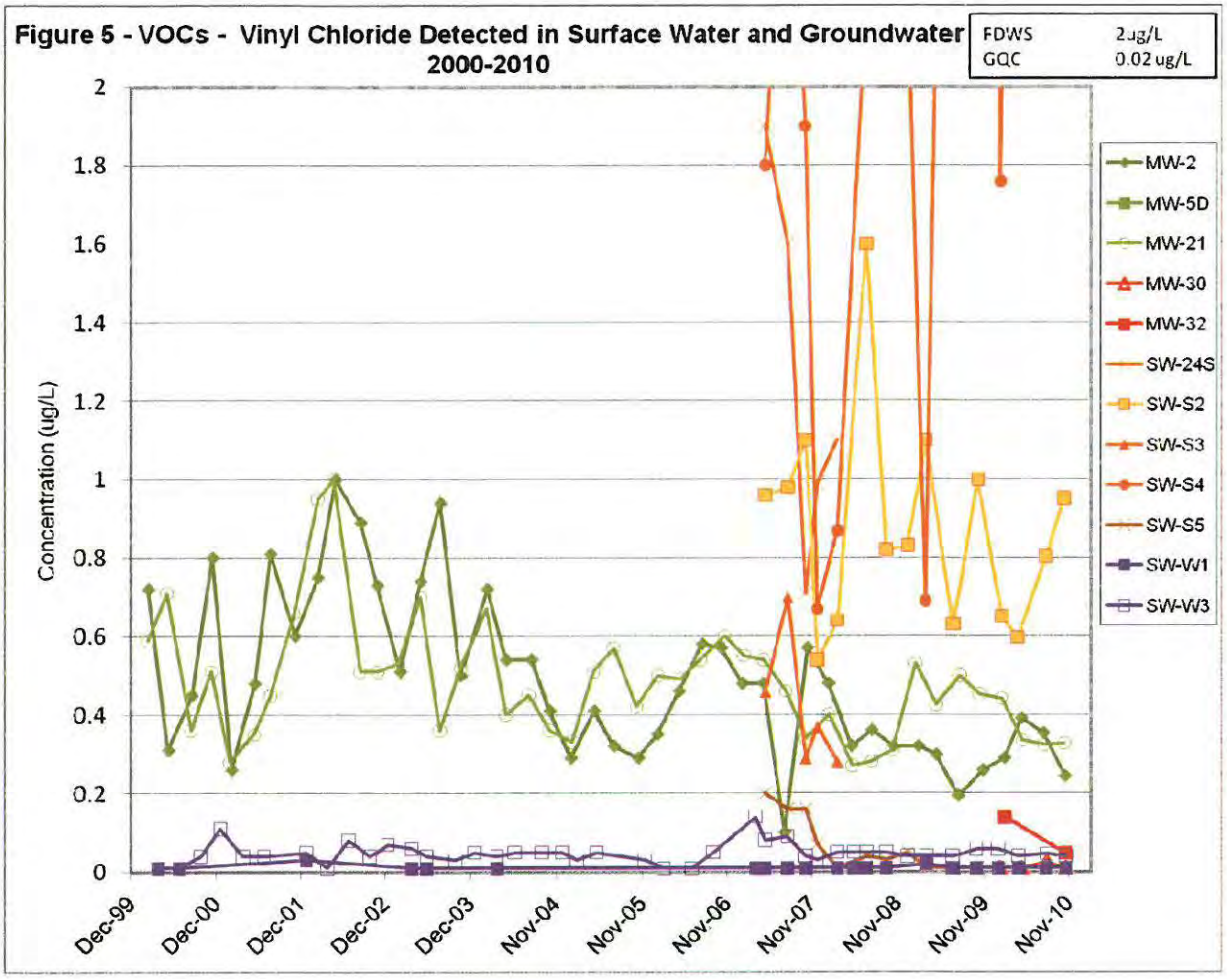


Figure 5 - VOCs - Vinyl Chloride Detected in Surface Water and Groundwater
2000-2010
FDWS 2ug/L
GQC 0.02 ug/L
Concentration (ug/L)
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Nov-04
Nov-05
Nov-06
Nov-07
Nov-08
Nov-09
Nov-10
MW-2
MW-5D
MW-21
MW-30
MW-32
SW-24S
SW-S2
SW-S3
SW-S4
SW-S5
SW-W1
SW-W3

**Figure 6 - VOCs - Cis-1,2-Dichloroethene Detected in Surface Water and Groundwater 2000-2010**

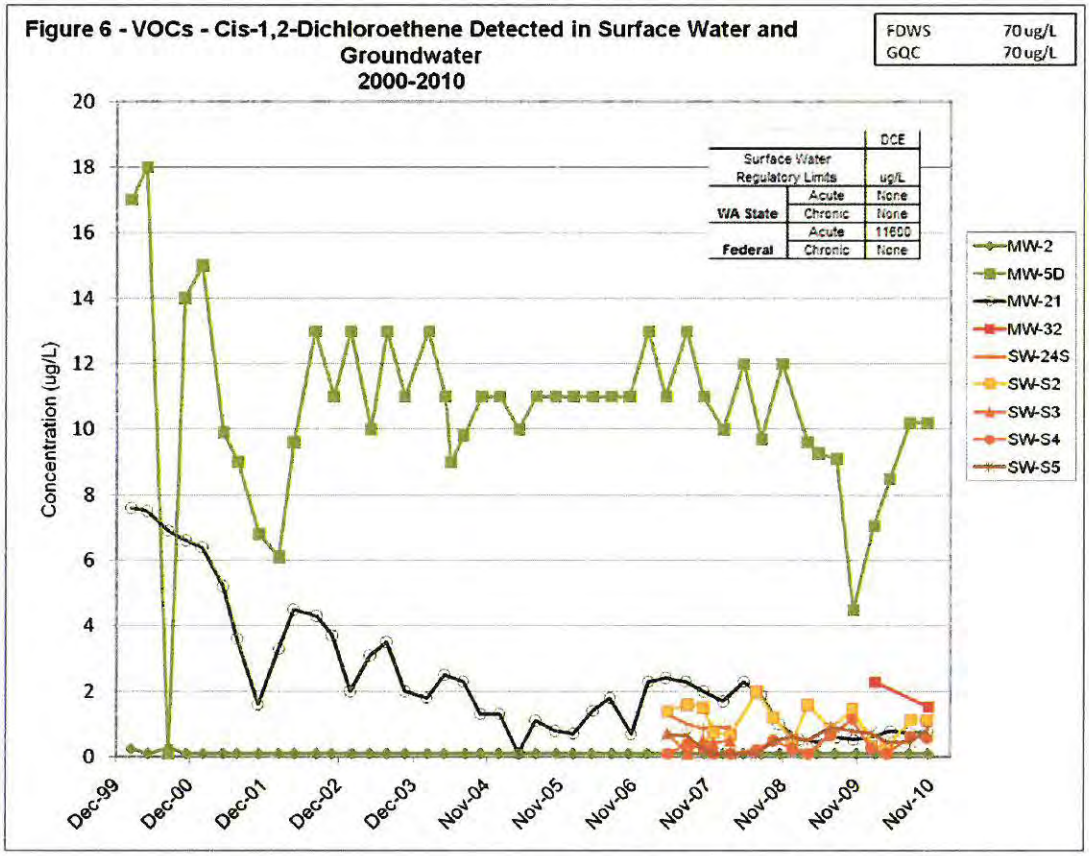
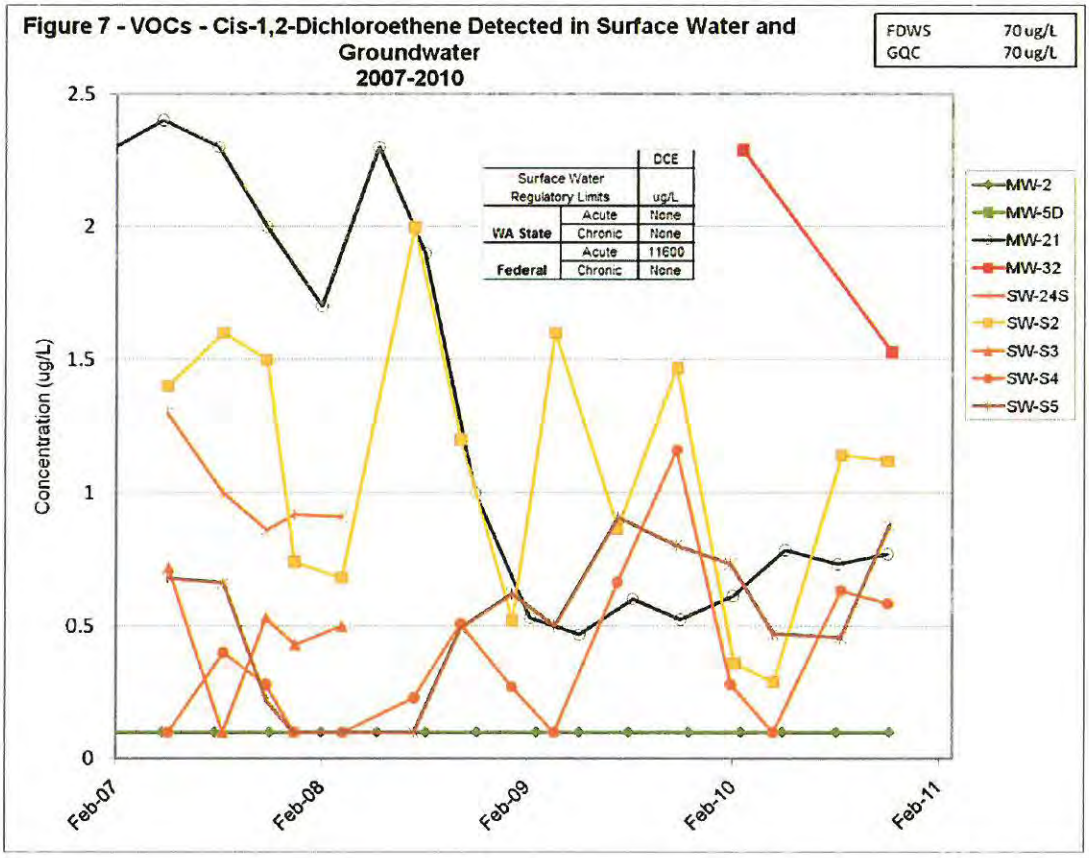



**Figure 7 - VOCs - Cis-1,2-Dichloroethene Detected in Surface Water and Groundwater 2007-2010**



# Appendix L.3
# Conventionals

Figures 1 to 46

**Figure 1 - Field conductance - Hillslope Weirs and Cc2 Perched Zone Monitoring Wells 2000- 2010**

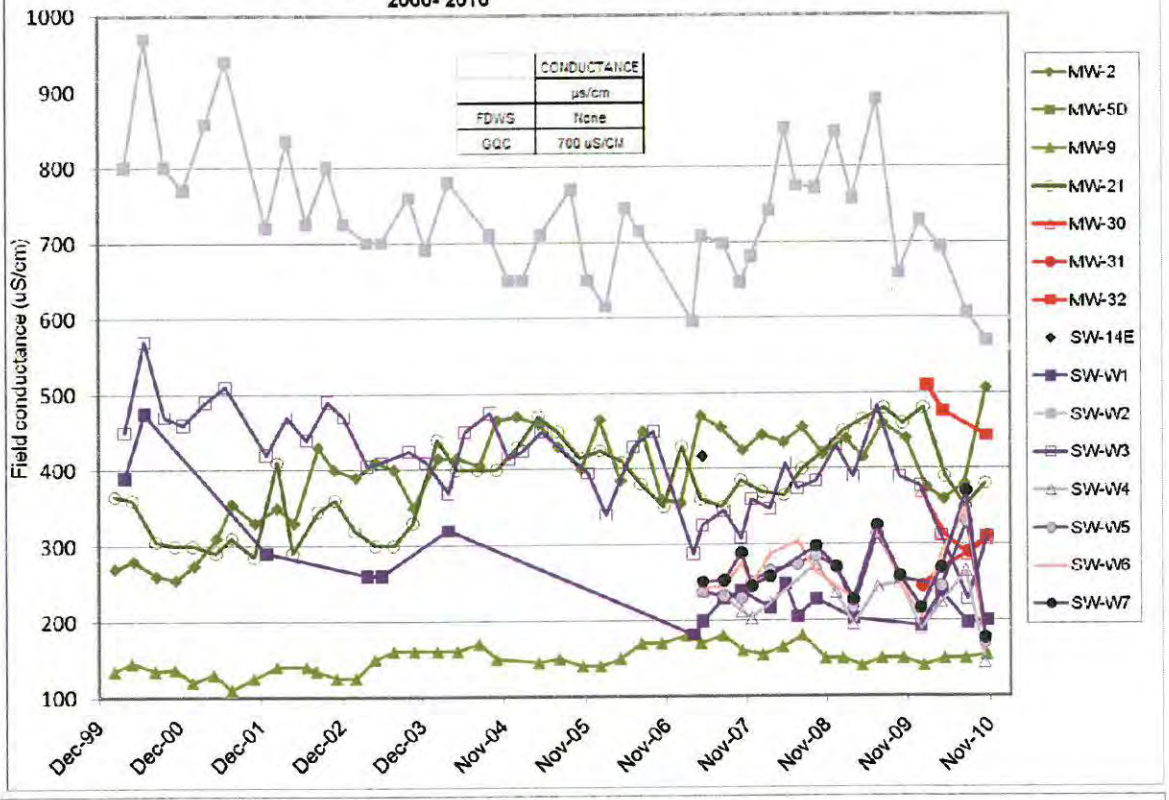
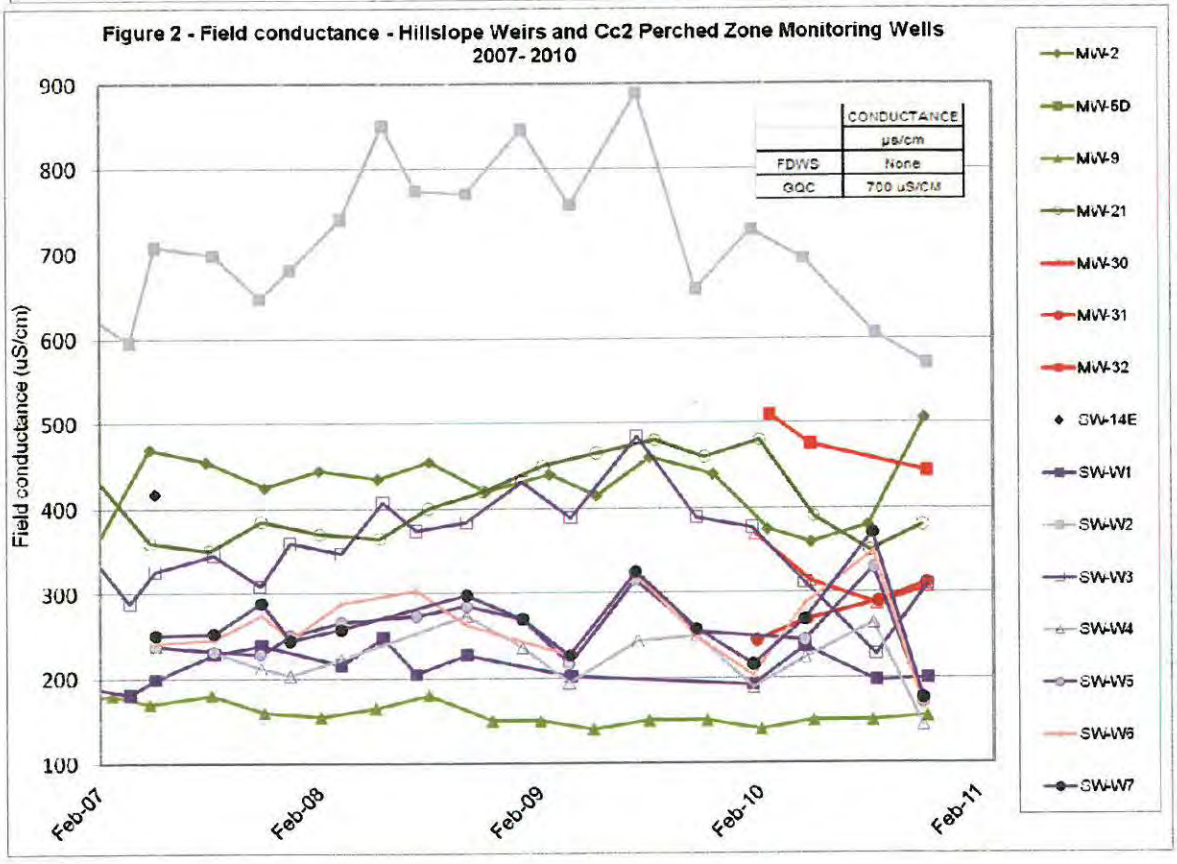



**Figure 2 - Field conductance - Hillslope Weirs and Cc2 Perched Zone Monitoring Wells 2007- 2010**



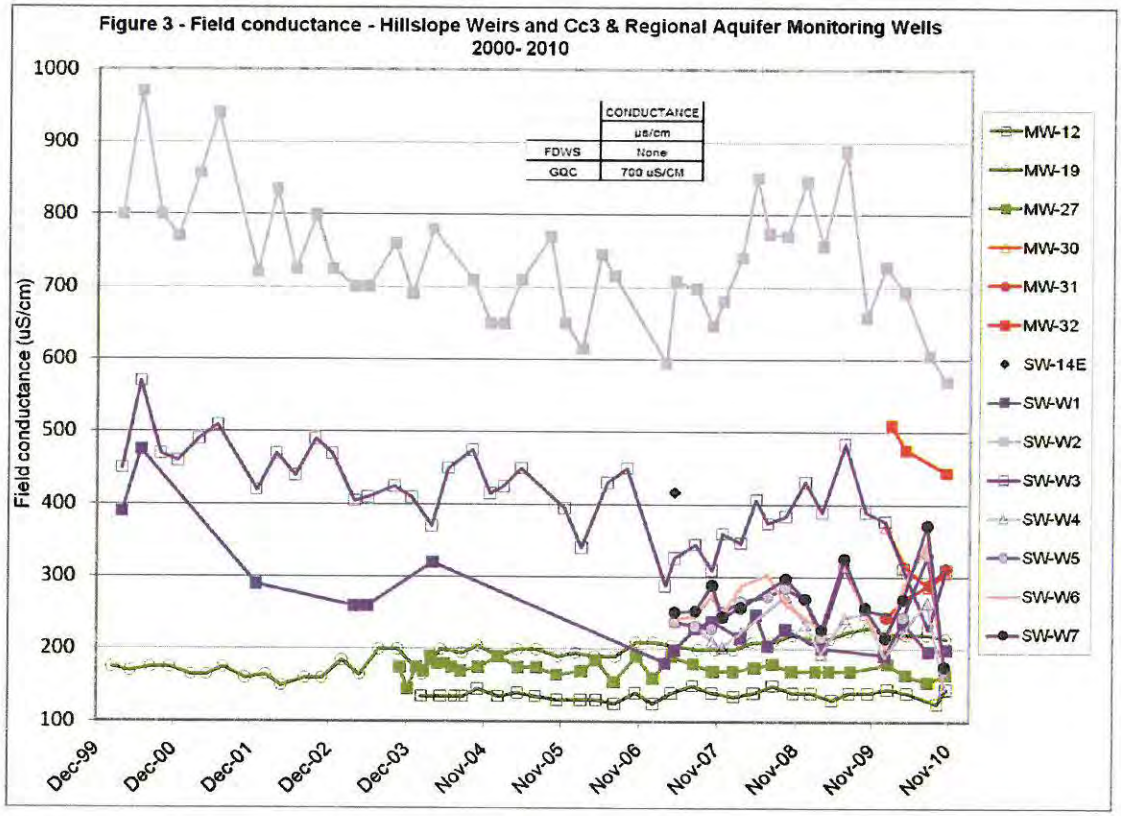


Figure 3 - Field conductance - Hillslope Weirs and Cc3 & Regional Aquifer Monitoring Wells
2000- 2010
Field conductance (uS/cm)
1000
900
800
700
600
500
400
300
200
100
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Nov-04
Nov-05
Nov-06
Nov-07
Nov-08
Nov-09
Nov-10
CONDUCTANCE
us/cm
FDWS
None
GQC
700 uS/CM
MW-12
MW-19
MW-27
MW-30
MW-31
MW-32
SW-14E
SW-W1
SW-W2
SW-W3
SW-W4
SW-W5
SW-W6
SW-W7

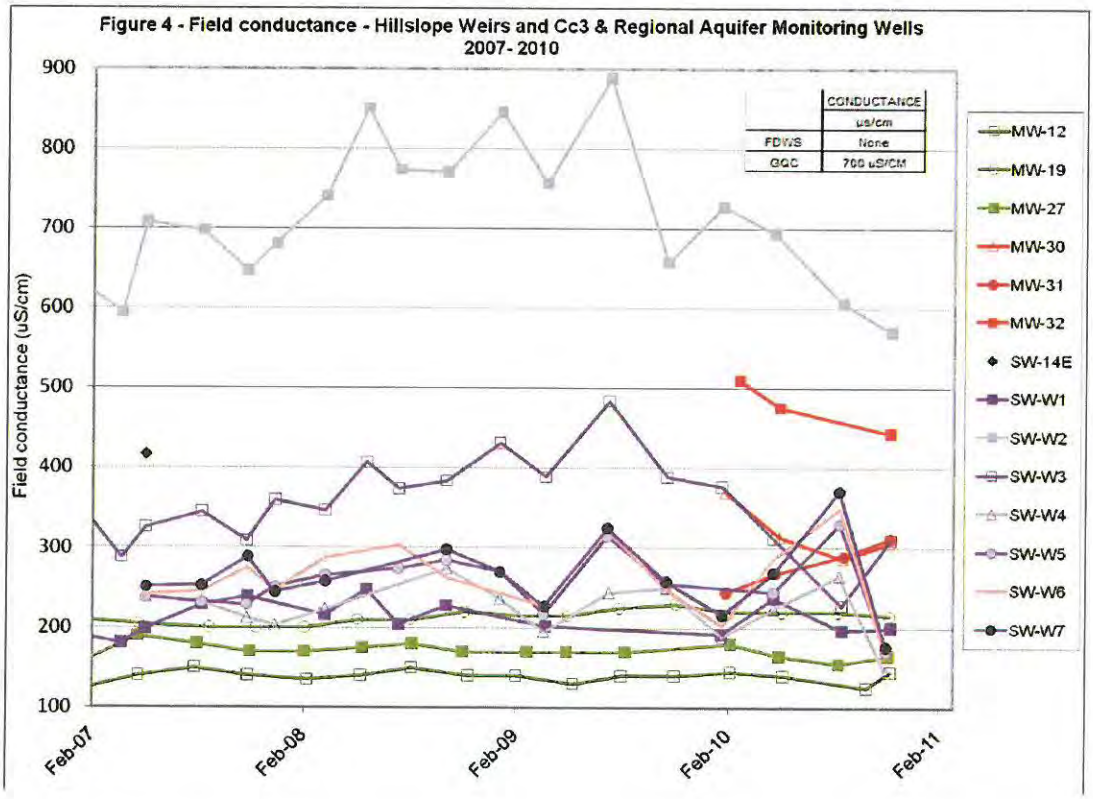


Figure 4 - Field conductance - Hillslope Weirs and Cc3 & Regional Aquifer Monitoring Wells
2007- 2010
Field conductance (uS/cm)
900
800
700
600
500
400
300
200
100
Feb-07
Feb-08
Feb-09
Feb-10
Feb-11
CONDUCTANCE
us/cm
FDWS
None
GQC
700 uS/CM
MW-12
MW-19
MW-27
MW-30
MW-31
MW-32
SW-14E
SW-W1
SW-W2
SW-W3
SW-W4
SW-W5
SW-W6
SW-W7

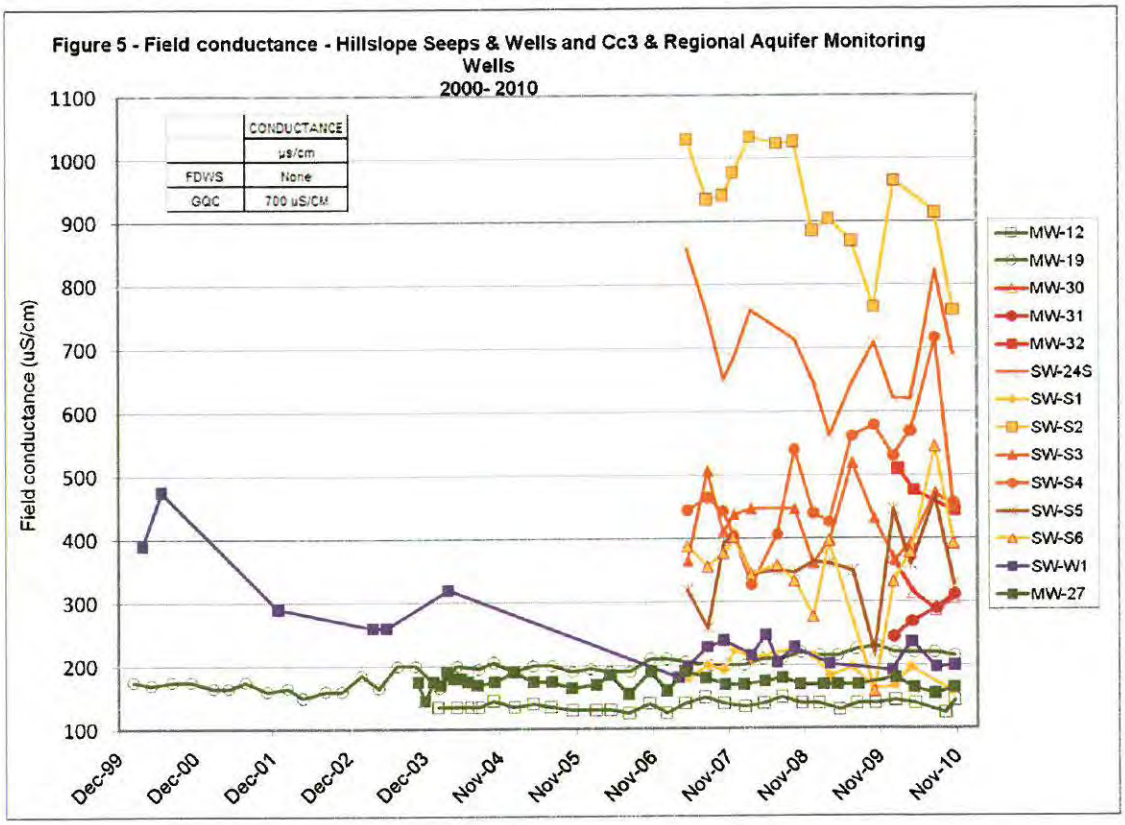


Figure 5 - Field conductance - Hillslope Seeps & Wells and Cc3 & Regional Aquifer Monitoring Wells
2000- 2010
CONDUCTANCE
µS/cm
FDWS None
GQC 700 uS/CM
Field conductance (uS/cm)
1100
1000
900
800
700
600
500
400
300
200
100
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Nov-04
Nov-05
Nov-06
Nov-07
Nov-08
Nov-09
Nov-10
MW-12
MW-19
MW-30
MW-31
MW-32
SW-24S
SW-S1
SW-S2
SW-S3
SW-S4
SW-S5
SW-S6
SW-W1
MW-27

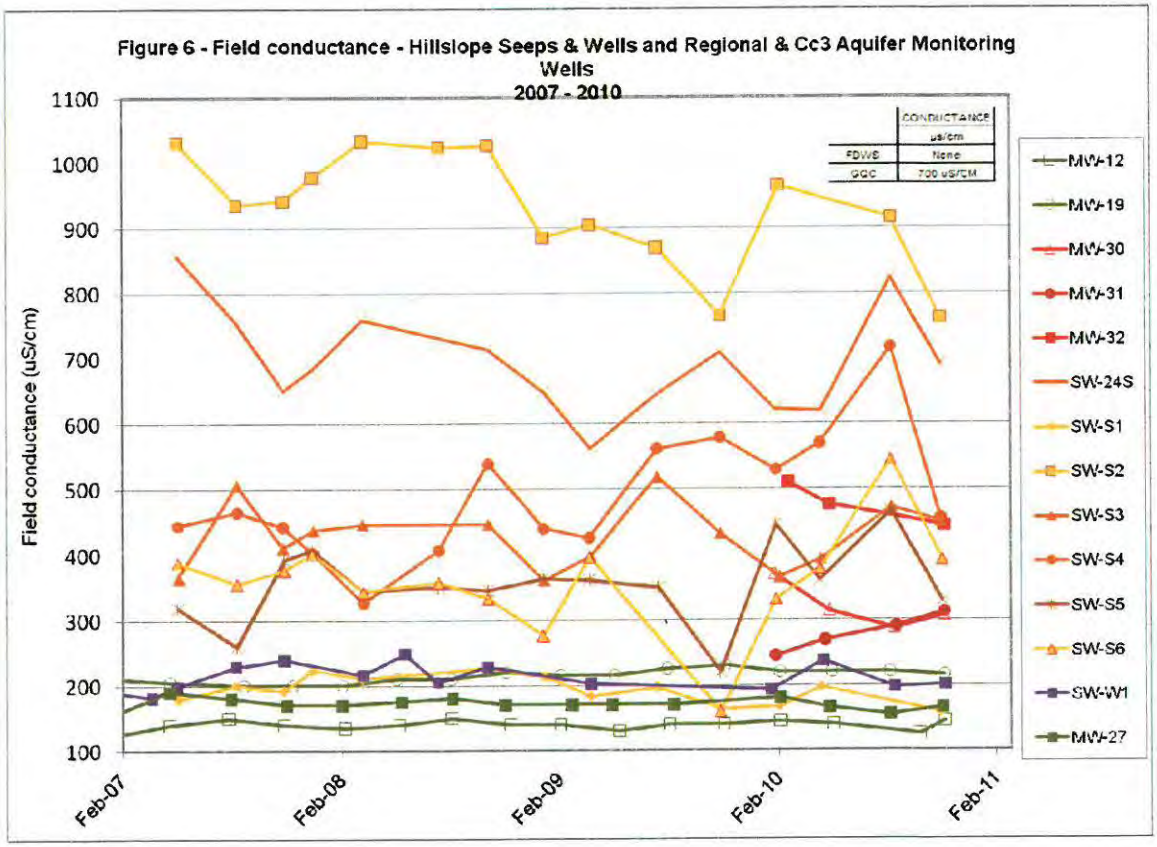


Figure 6 - Field conductance - Hillslope Seeps & Wells and Regional & Cc3 Aquifer Monitoring Wells
2007 - 2010
CONDUCTANCE
µS/cm
FDWS None
GQC 700 uS/CM
Field conductance (uS/cm)
1100
1000
900
800
700
600
500
400
300
200
100
Feb-07
Feb-08
Feb-09
Feb-10
Feb-11
MW-12
MW-19
MW-30
MW-31
MW-32
SW-24S
SW-S1
SW-S2
SW-S3
SW-S4
SW-S5
SW-S6
SW-W1
MW-27

**Figure 7 - Field conductance - Hillslope Seeps & Wells and Cc2 Perched Zone Monitoring Wells 2000- 2010**

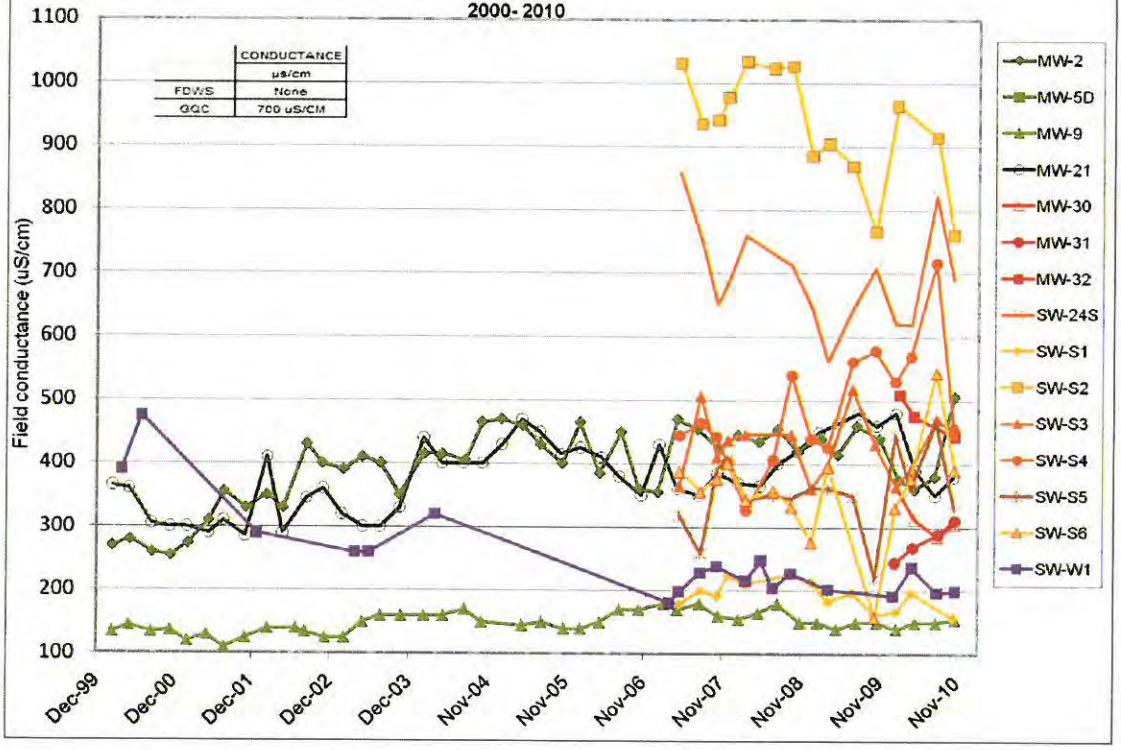



**Figure 8 - Field conductance - Hillslope Seeps & Wells and Cc2 Perched Zone Monitoring Wells 2007- 2010**

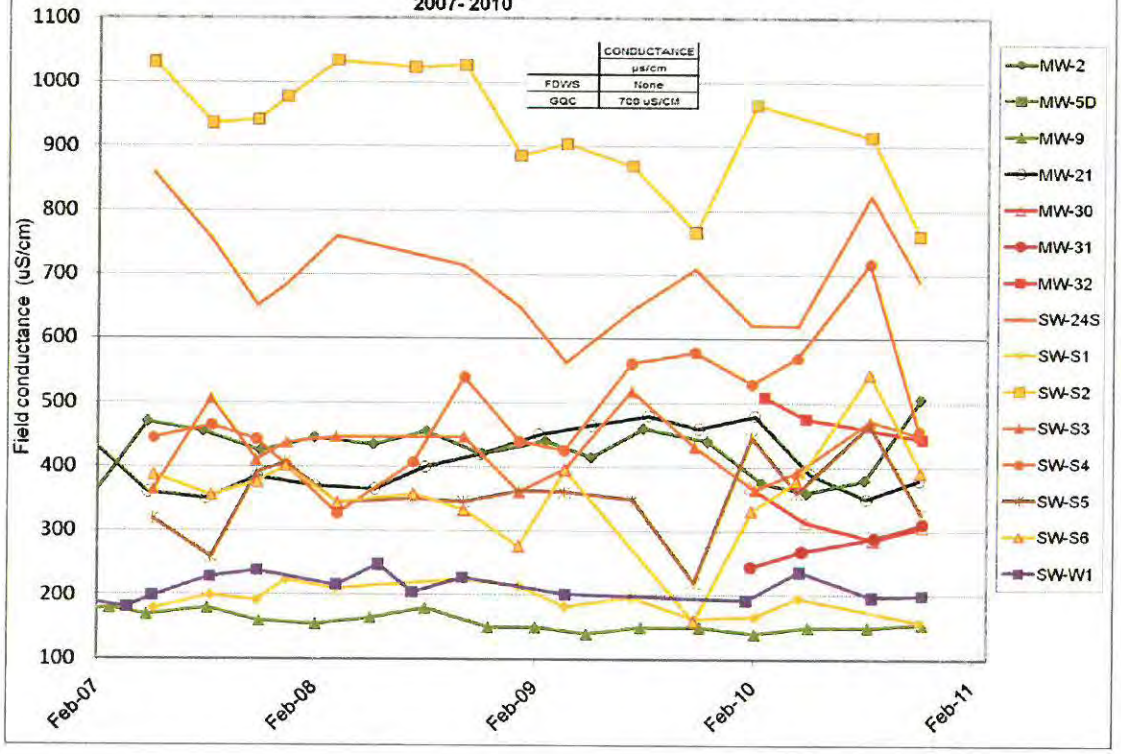


**Figure 9 - Field pH - Hillslope Weirs and Cc2 Perched Zone Monitoring Wells 2000- 2010**

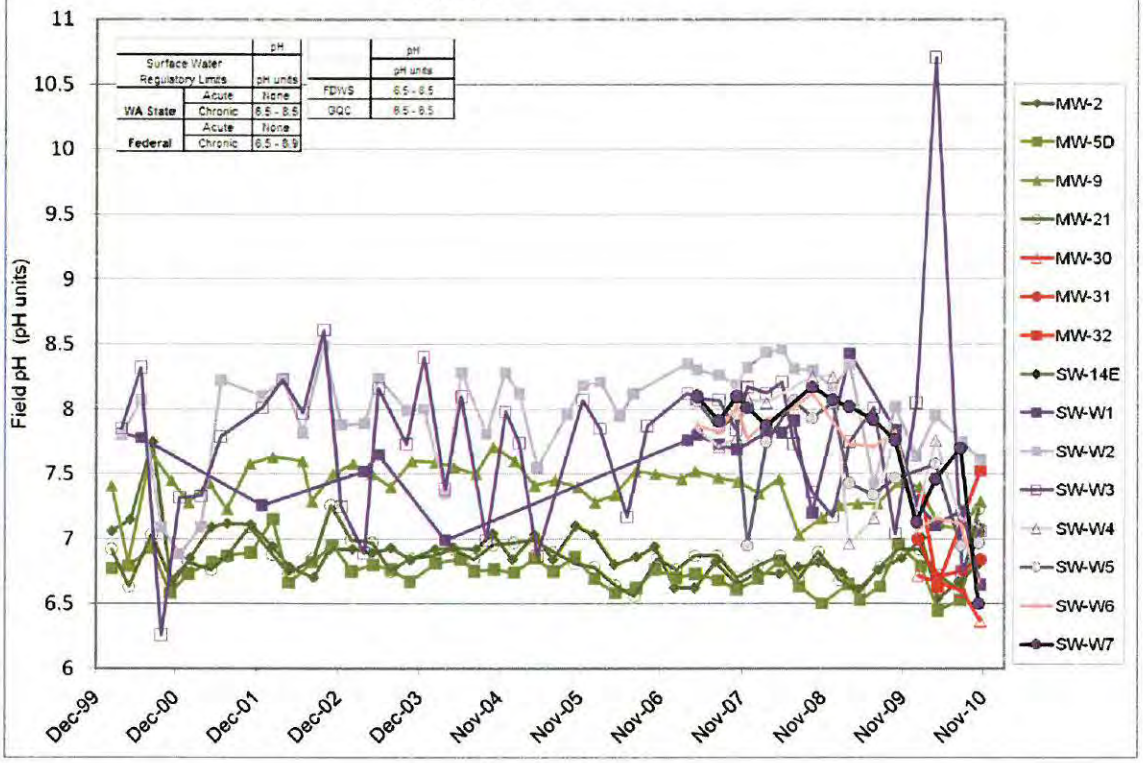



**Figure 10 - Field pH - Hillslope Weirs and Cc2 Perched Zone Monitoring Wells 2007- 2010**

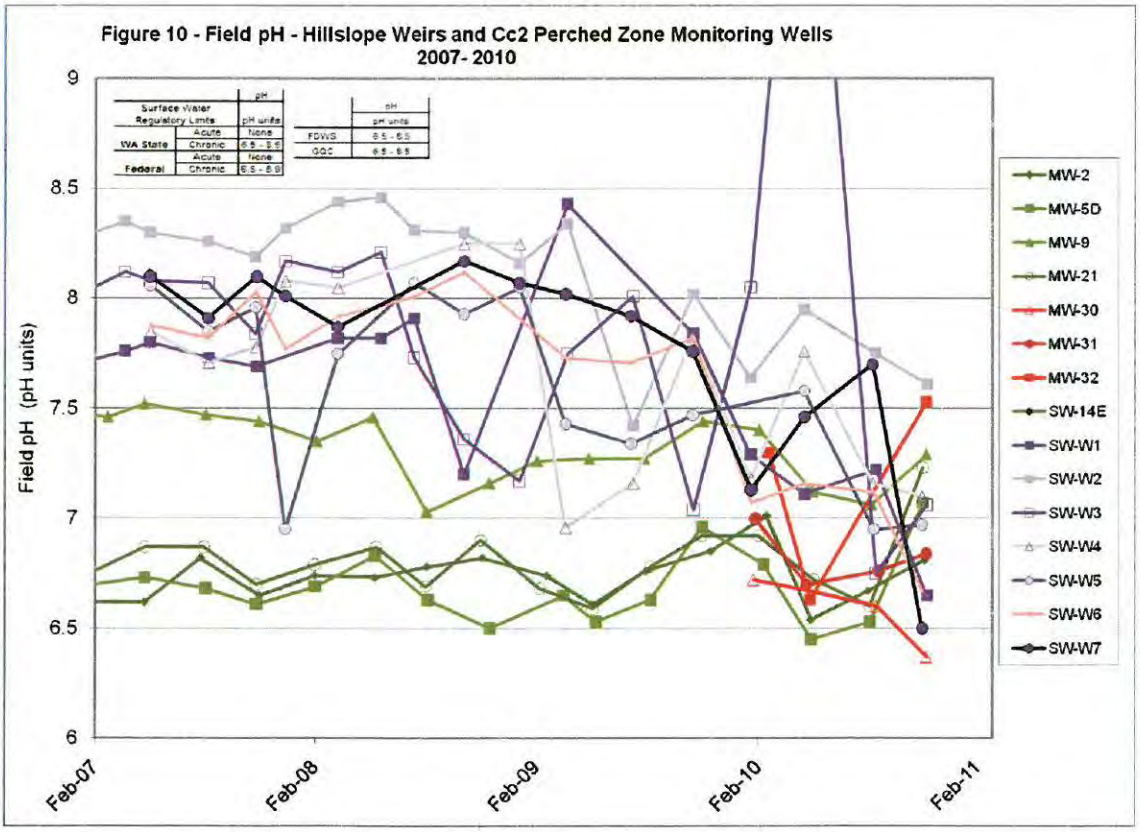


**Figure 11 - Field pH - Hillslope Weirs and Cc3 & Regional Aquifer Monitoring Wells 2000- 2010**

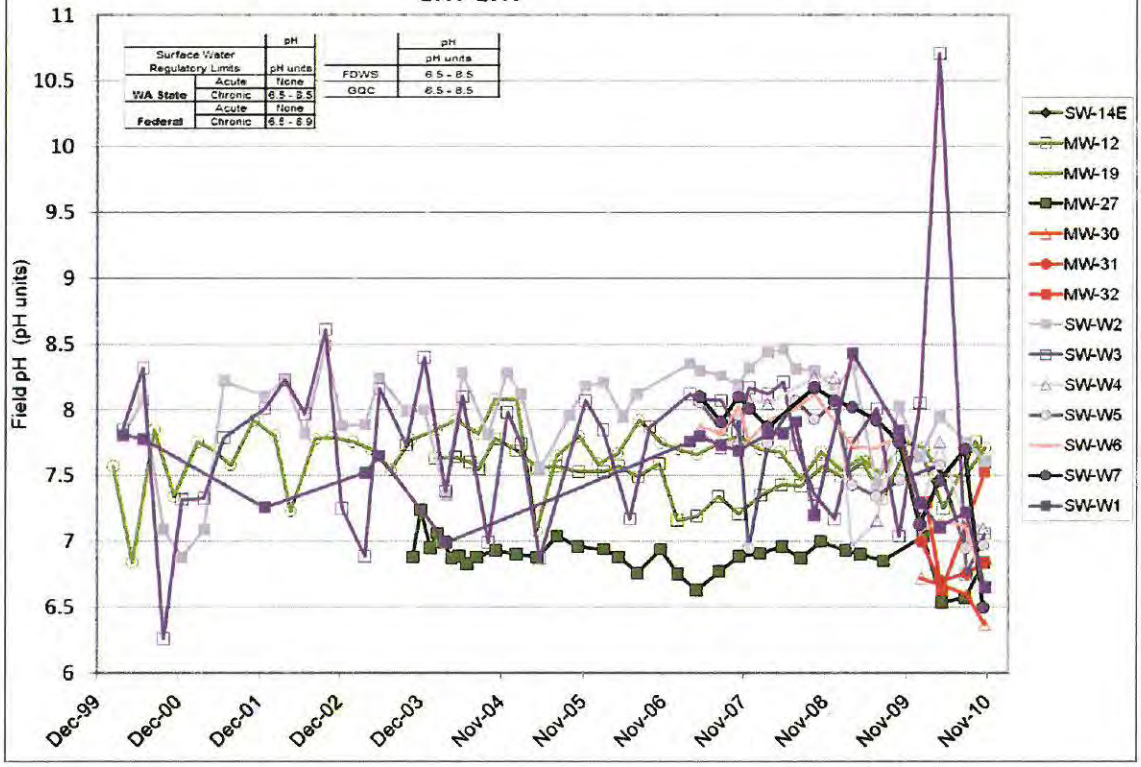



**Figure 12 - Field pH - Hillslope Weirs and Cc3 & Regional Aquifer Monitoring Wells 2007- 2010**

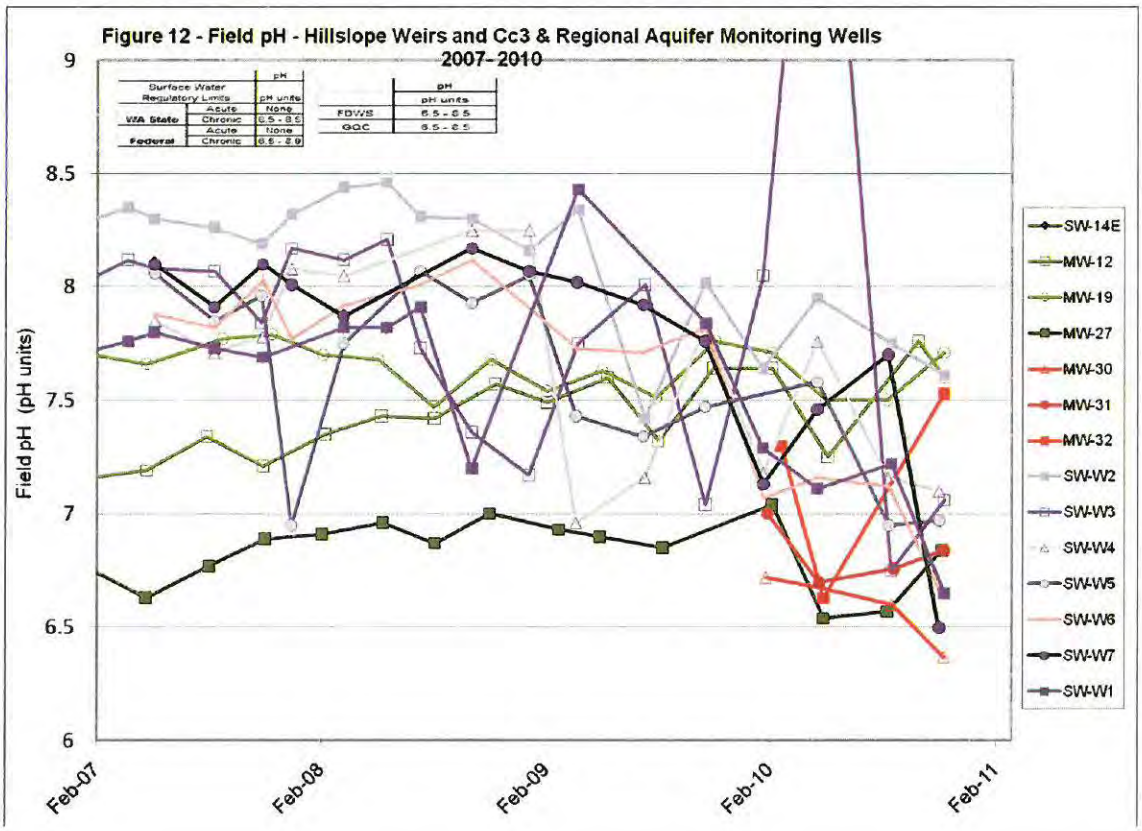


**Figure 13 - Field pH - Hillslope Seeps & Wells and Cc2 Perched Zone Monitoring Wells 2000- 2010**

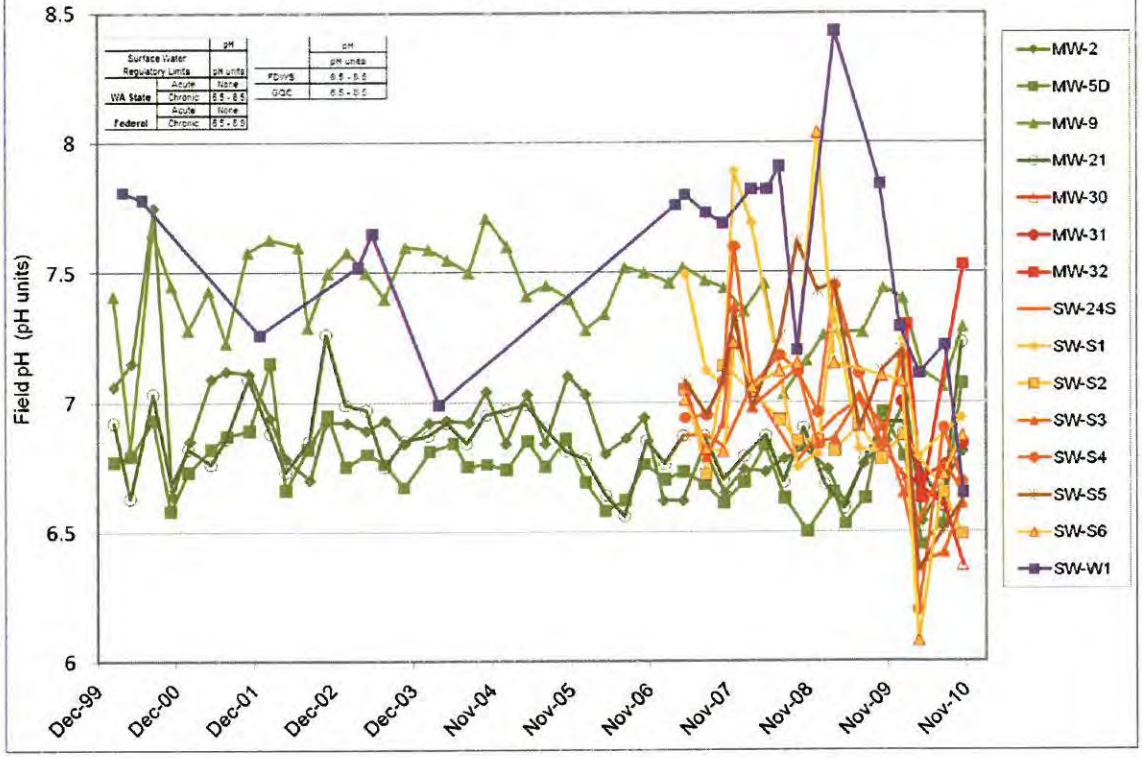



**Figure 14 - Field pH - Hillslope Seeps & Wells and Cc2 Perched Zone Monitoring Wells 2007 - 2010**

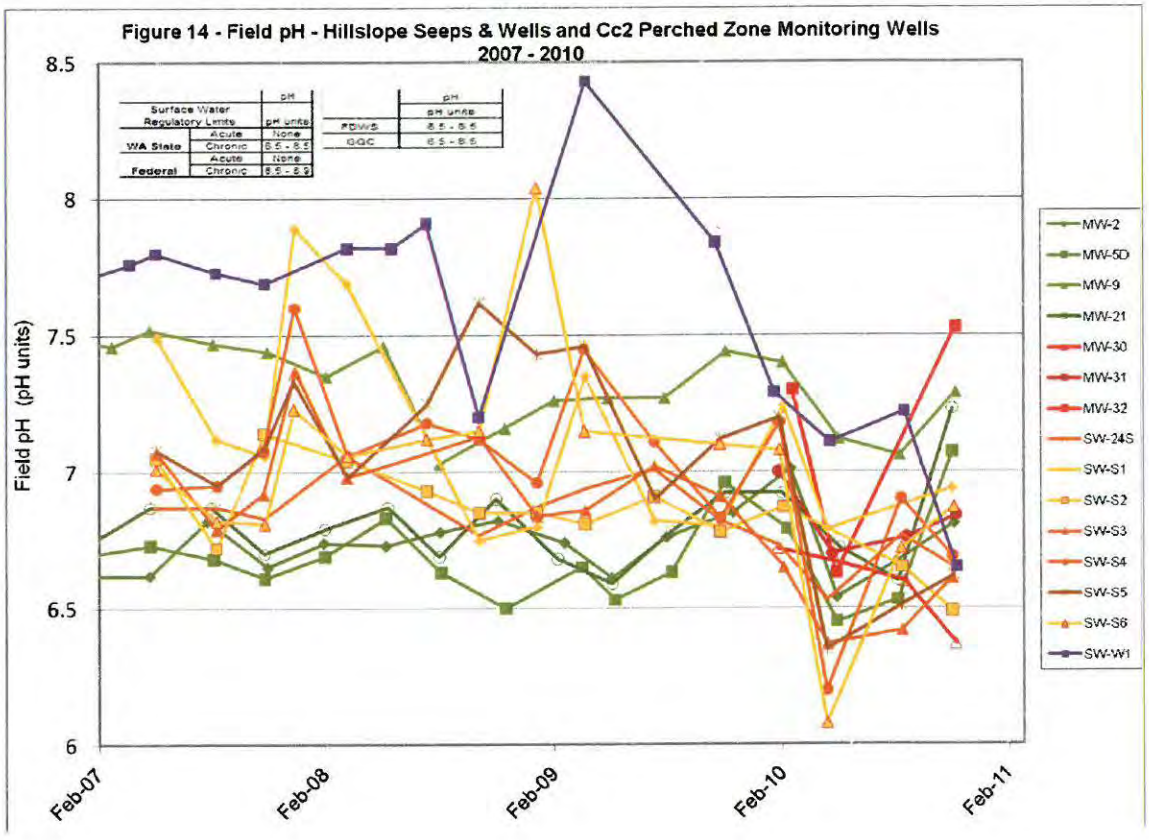


**Figure 15 - Field pH - Hillslope Seeps & Wells and Cc3 & Regional Aquifer Monitoring Wells 2000- 2010**

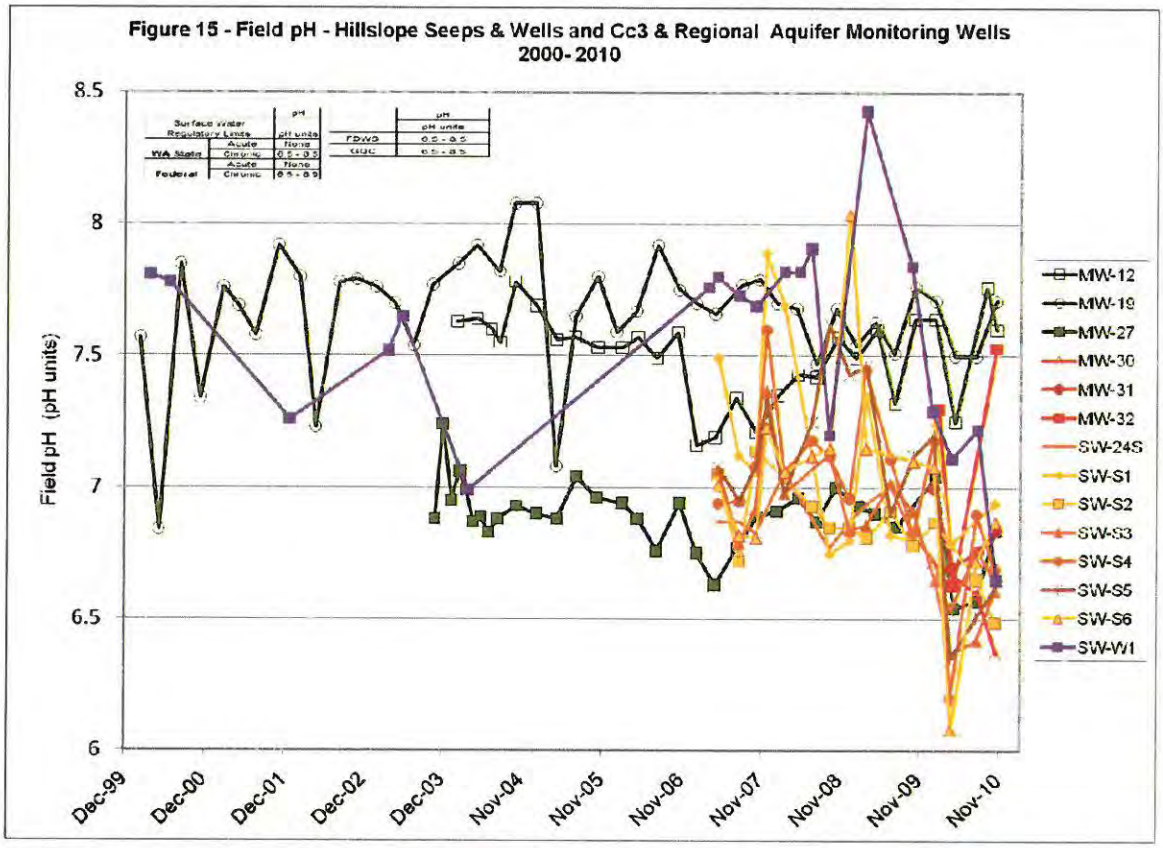



**Figure 16 - Field pH - Hillslope Seeps & Wells and Cc3 & Regional Aquifer Monitoring Wells 2007- 2010**

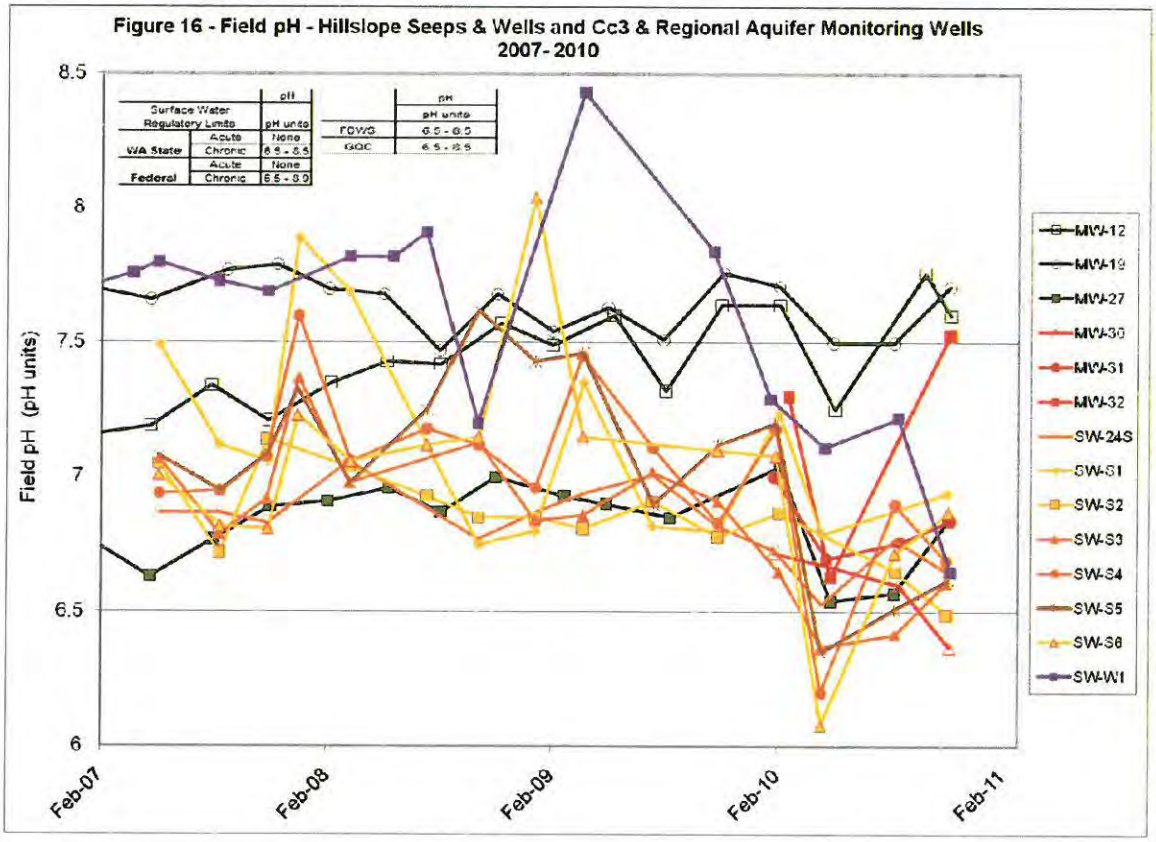


**Figure 17 - Total Dissolved Solids - Hillslope Locations and Cc2 Perched Zone Monitoring Wells 2000-2010**

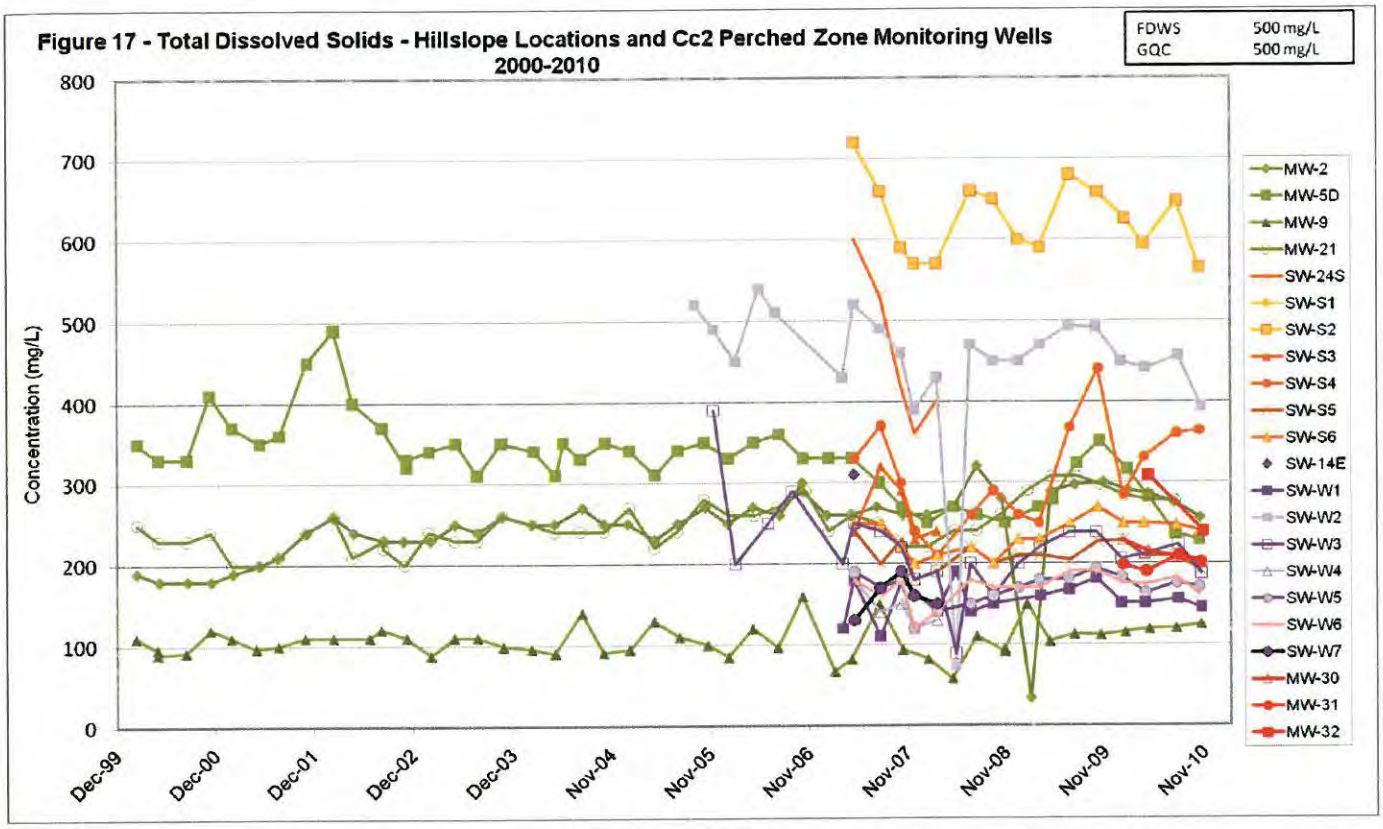
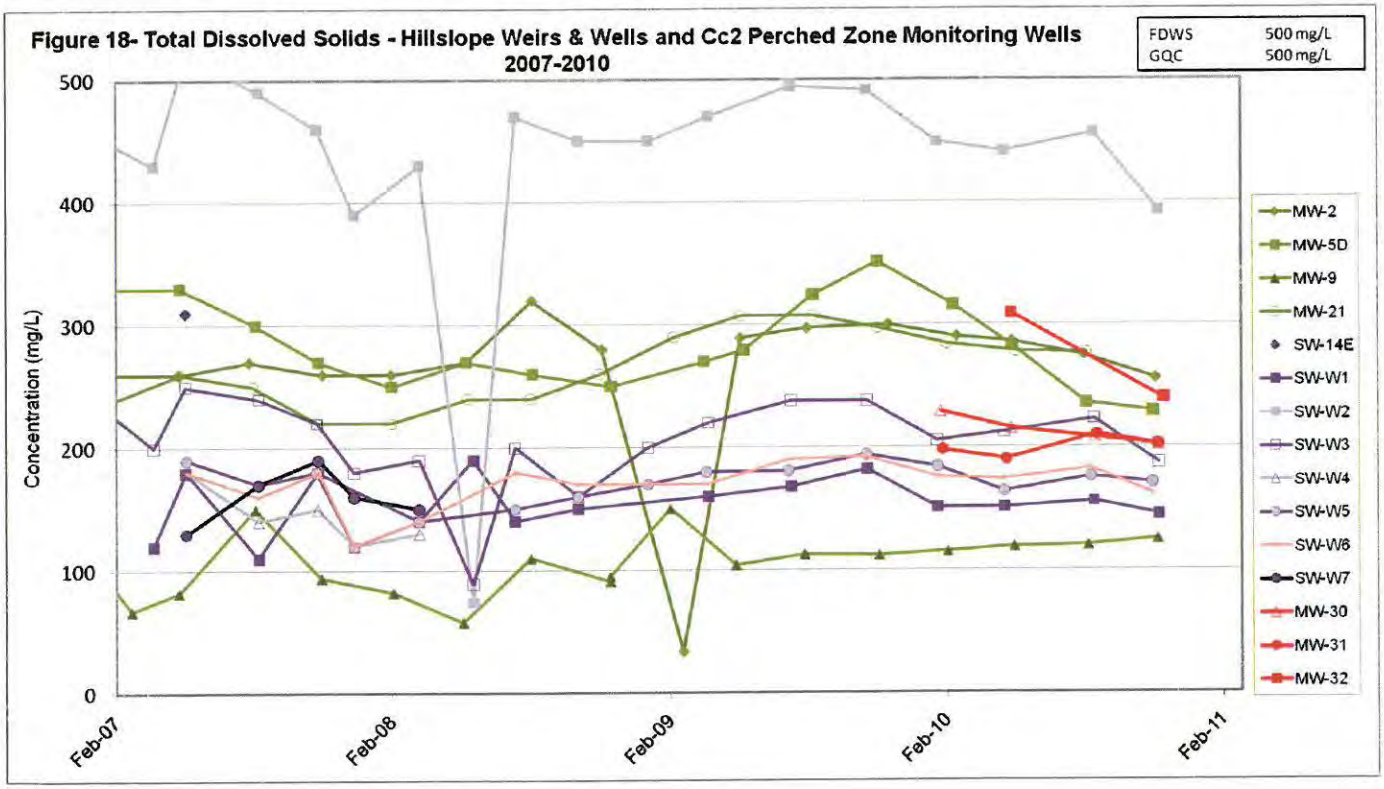



**Figure 18- Total Dissolved Solids - Hillslope Weirs & Wells and Cc2 Perched Zone Monitoring Wells 2007-2010**



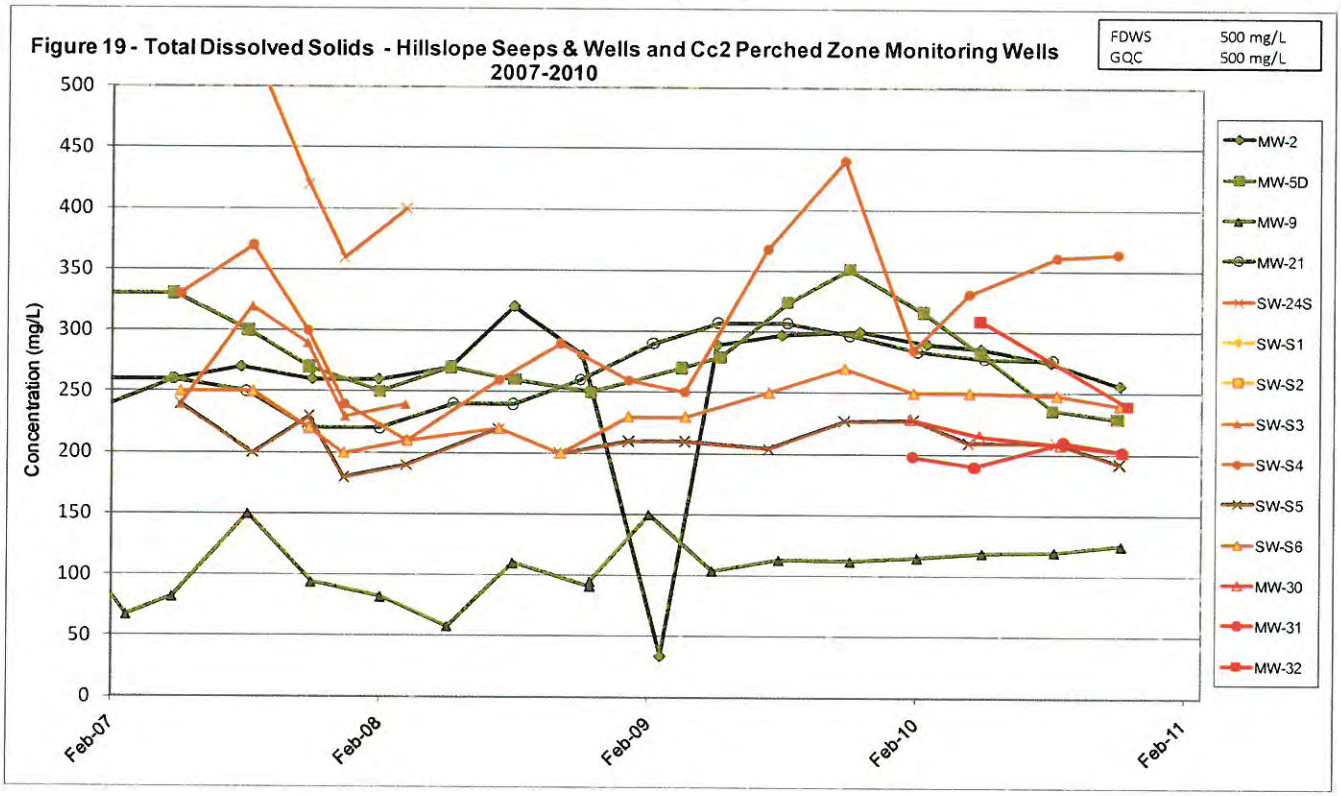


Figure 19 - Total Dissolved Solids - Hillslope Seeps & Wells and Cc2 Perched Zone Monitoring Wells 2007-2010
FDWS 500 mg/L
GQC 500 mg/L
Concentration (mg/L)
0
50
100
150
200
250
300
350
400
450
500
Feb-07
Feb-08
Feb-09
Feb-10
Feb-11
MW-2
MW-5D
MW-9
MW-21
SW-24S
SW-S1
SW-S2
SW-S3
SW-S4
SW-S5
SW-S6
MW-30
MW-31
MW-32

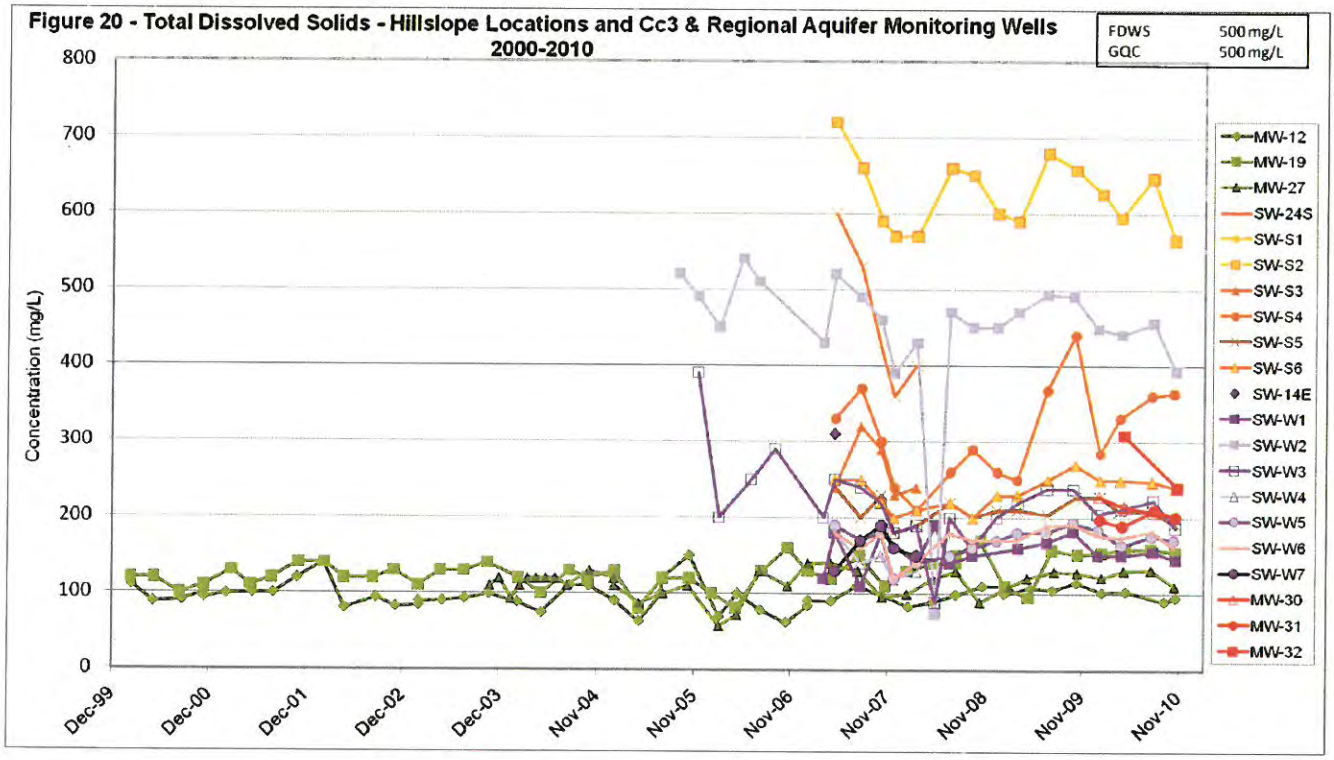


Figure 20 - Total Dissolved Solids - Hillslope Locations and Cc3 & Regional Aquifer Monitoring Wells 2000-2010
FDWS 500 mg/L
GQC 500 mg/L
Concentration (mg/L)
0
100
200
300
400
500
600
700
800
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Nov-04
Nov-05
Nov-06
Nov-07
Nov-08
Nov-09
Nov-10
MW-12
MW-19
MW-27
SW-24S
SW-S1
SW-S2
SW-S3
SW-S4
SW-S5
SW-S6
SW-14E
SW-W1
SW-W2
SW-W3
SW-W4
SW-W5
SW-W6
SW-W7
MW-30
MW-31
MW-32

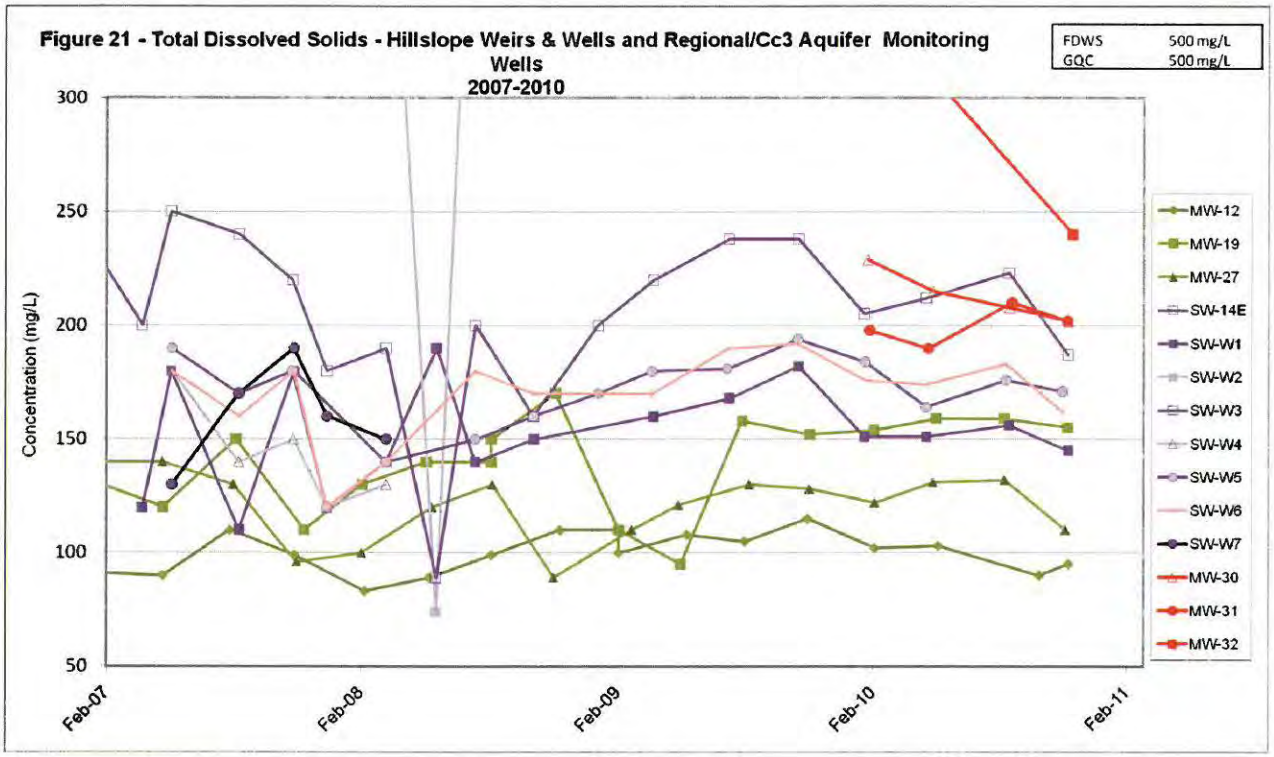


Figure 21 - Total Dissolved Solids - Hillslope Weirs & Wells and Regional/Cc3 Aquifer Monitoring Wells
2007-2010
FDWS 500 mg/L
GQC 500 mg/L
Concentration (mg/L)
300
250
200
150
100
50
Feb-07
Feb-08
Feb-09
Feb-10
Feb-11
MW-12
MW-19
MW-27
SW-14E
SW-W1
SW-W2
SW-W3
SW-W4
SW-W5
SW-W6
SW-W7
MW-30
MW-31
MW-32

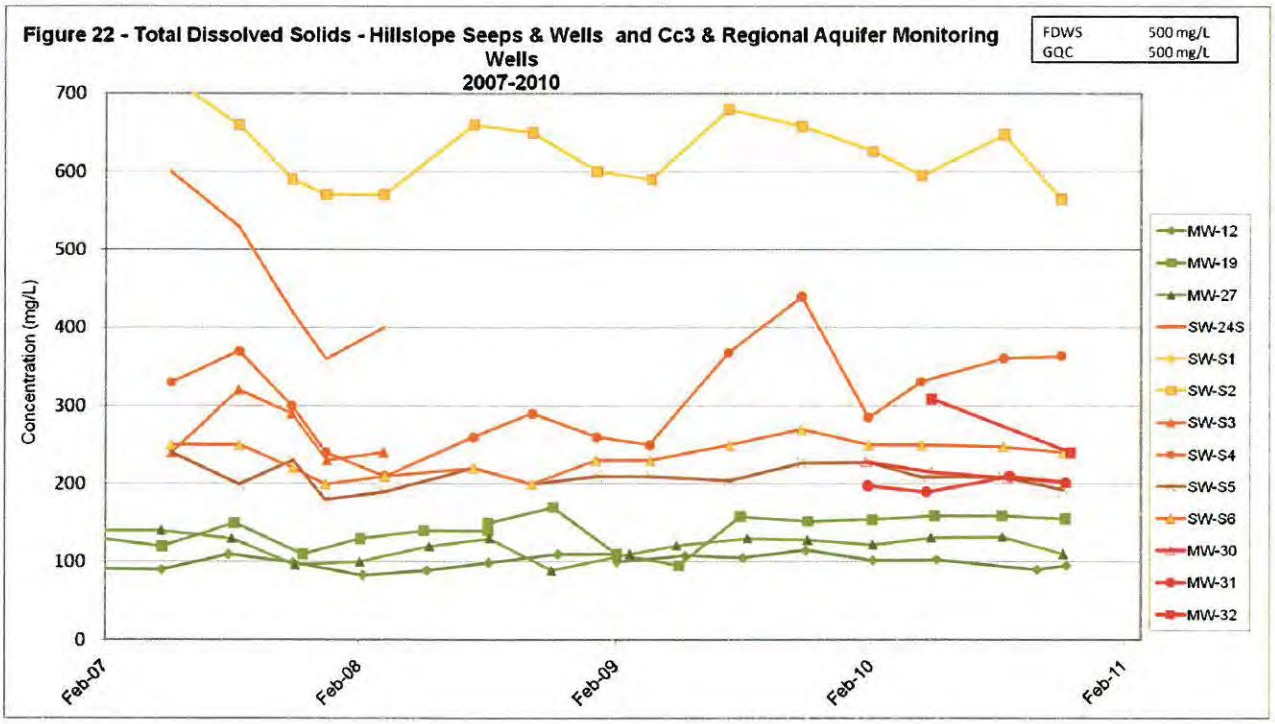


Figure 22 - Total Dissolved Solids - Hillslope Seeps & Wells and Cc3 & Regional Aquifer Monitoring Wells
2007-2010
FDWS 500 mg/L
GQC 500 mg/L
Concentration (mg/L)
700
600
500
400
300
200
100
0
Feb-07
Feb-08
Feb-09
Feb-10
Feb-11
MW-12
MW-19
MW-27
SW-24S
SW-S1
SW-S2
SW-S3
SW-S4
SW-S5
SW-S6
MW-30
MW-31
MW-32

**Figure 23 - Ammonia as N - Hillslope Locations and Cc2 Perched Zone Monitoring Wells 2000-2010**

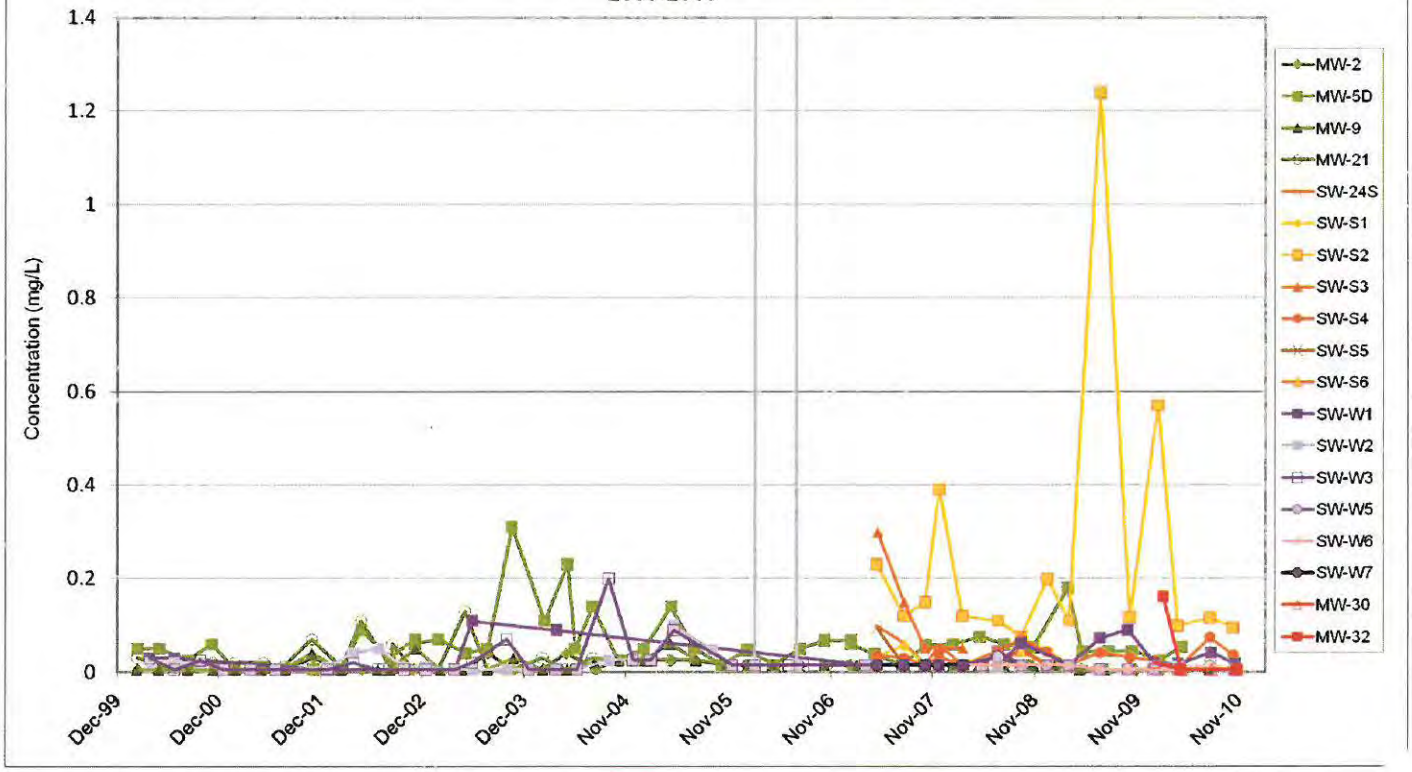



**Figure 24 - Ammonia as N - Hillslope Seeps & Wells and Cc2 Perched Zone Monitoring Wells 2007-2010**

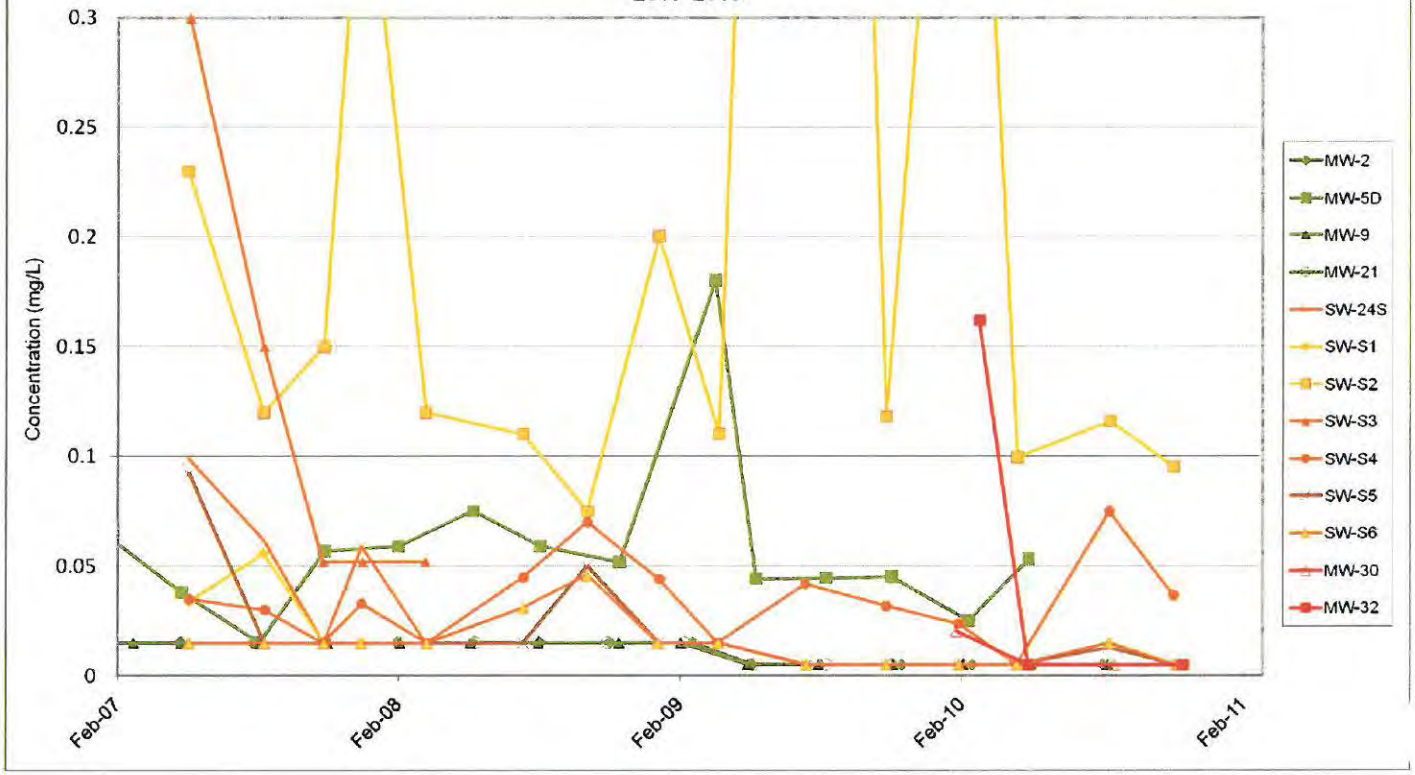


**Figure 25 - Ammonia as N - Hillslope Weirs & Wells and Cc2 Perched Zone Monitoring Wells 2007-2010**

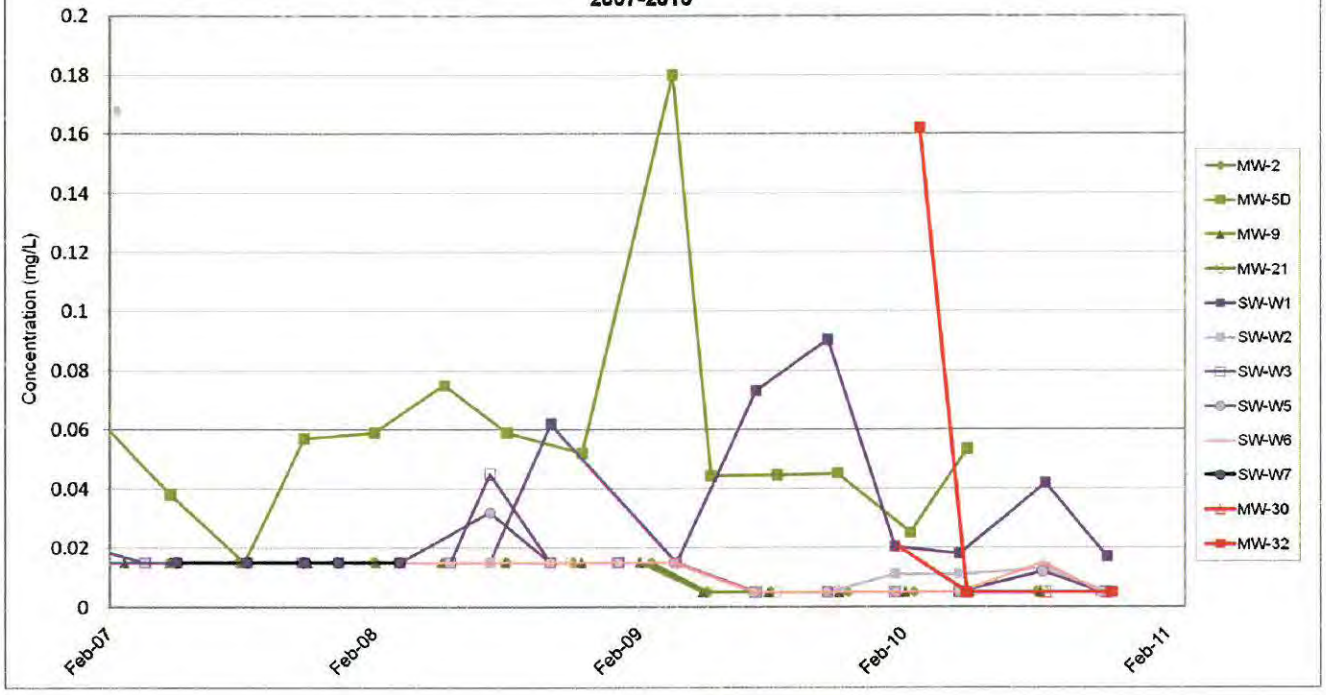



**Figure 26 - Ammonia as N - Hillslope Locations and Cc3 & Regional Aquifer Monitoring Wells 2000-2010**

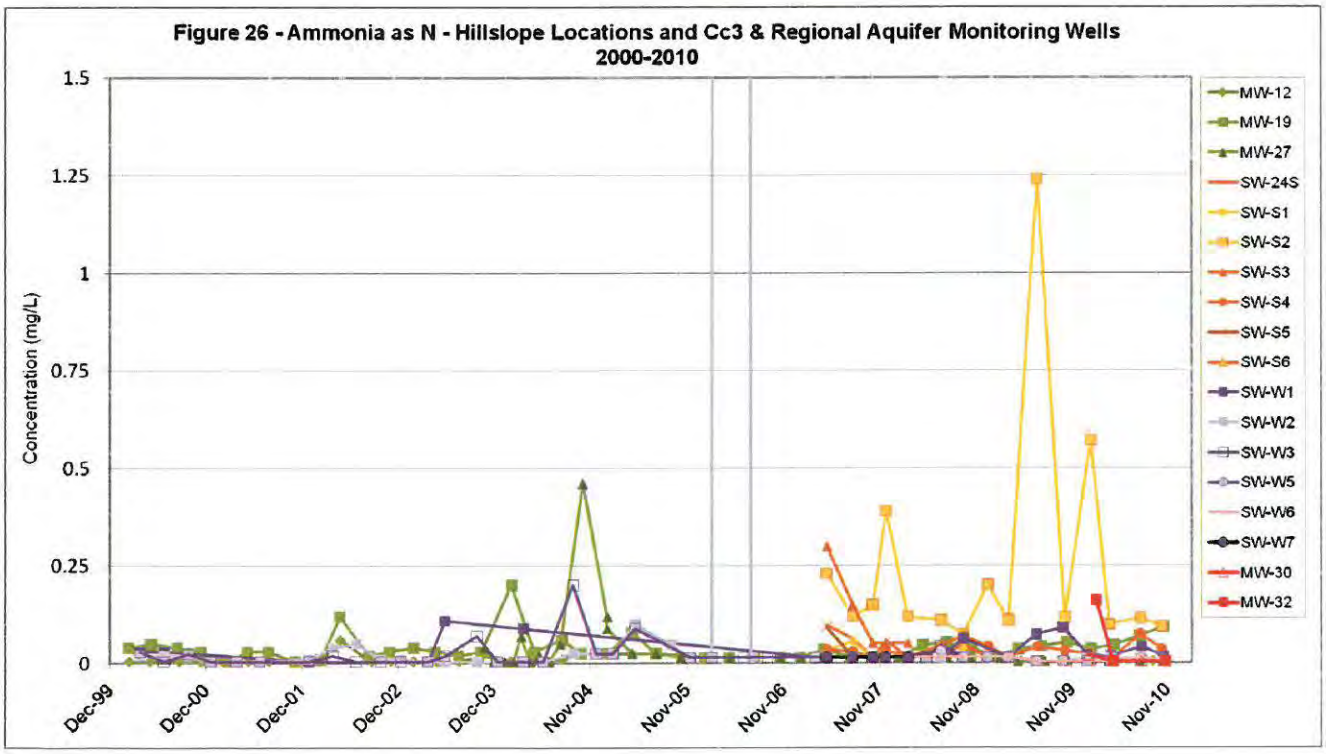


**Figure 27 - Ammonia as N - Hillslope Seeps & Wells and Regional/Cc3 Aquifer Monitoring Wells 2007-2010**

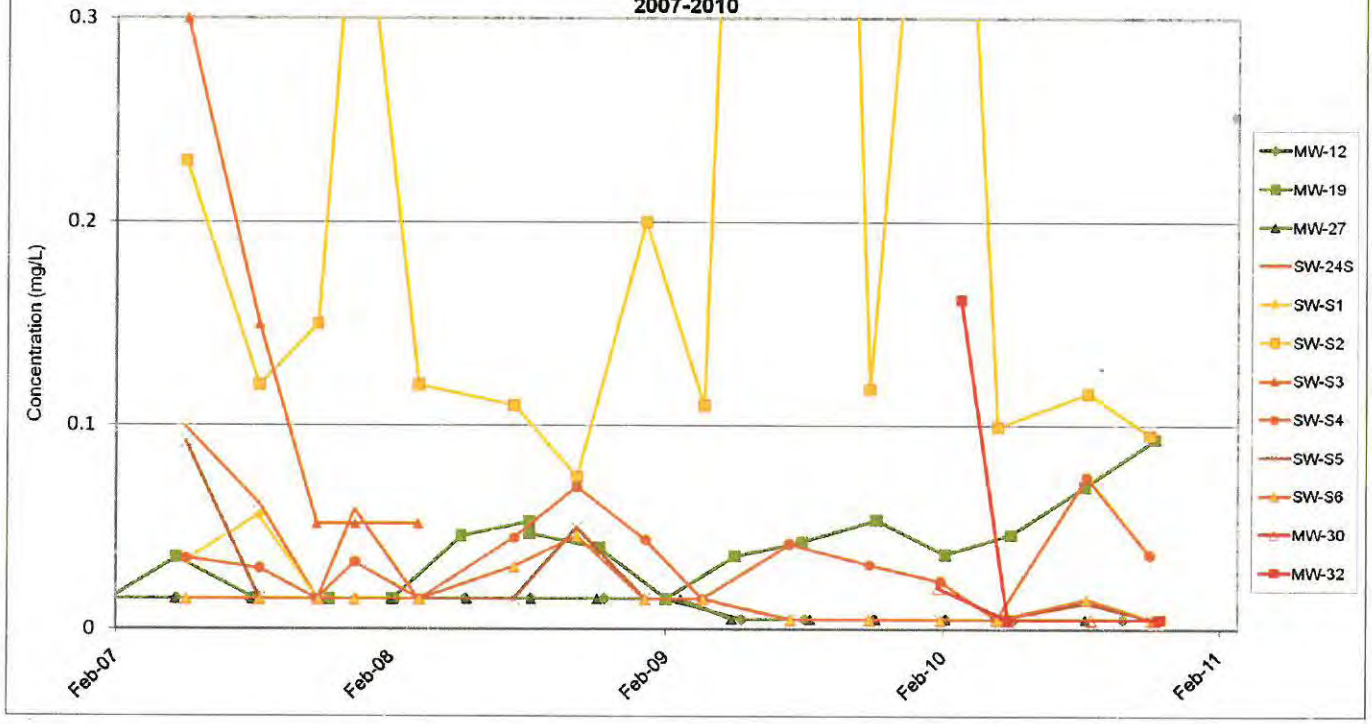



**Figure 28 - Ammonia as N - Hillslope Weirs & Wells Cc3 & Regional Aquifer Monitoring Wells 2007-2010**

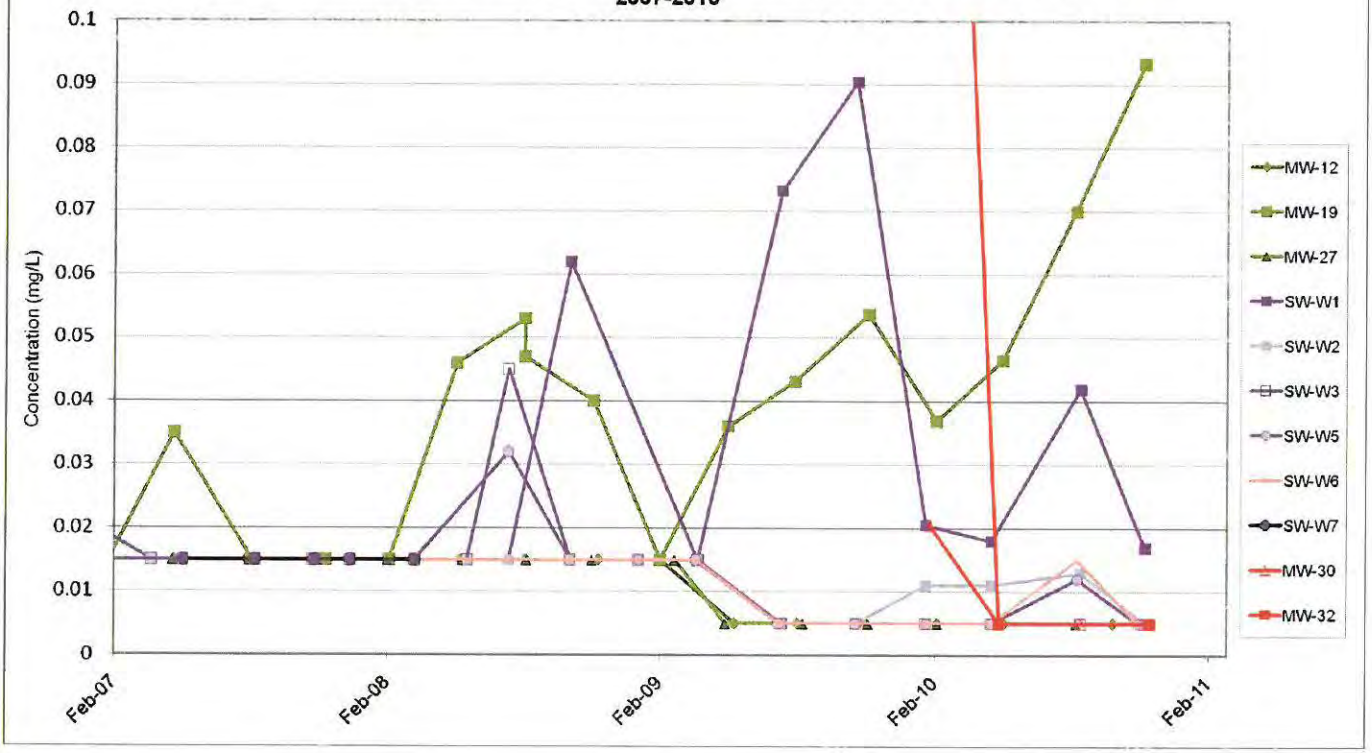


**Figure 29 - Chloride- Hillslope Locations and Cc2 Perched Zone Monitoring Wells 2000-2010**

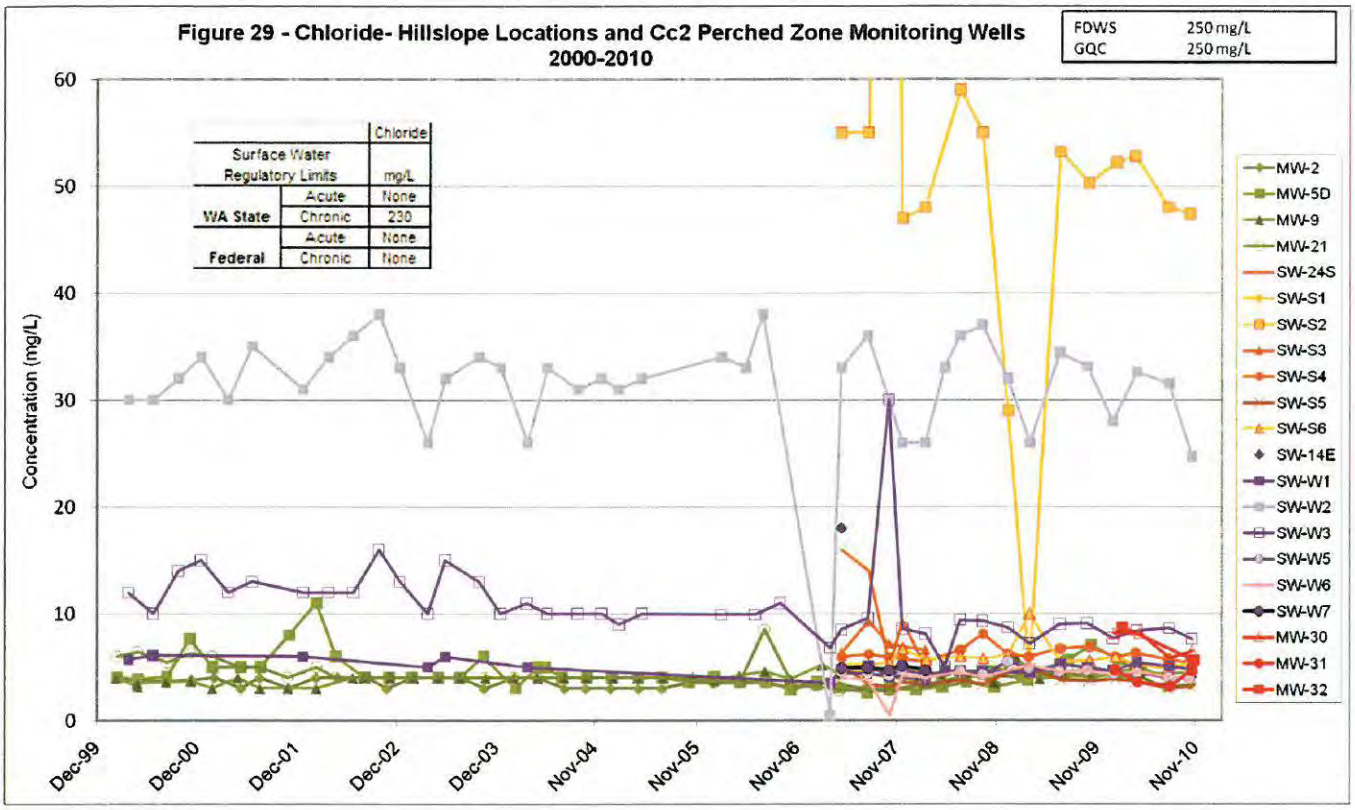
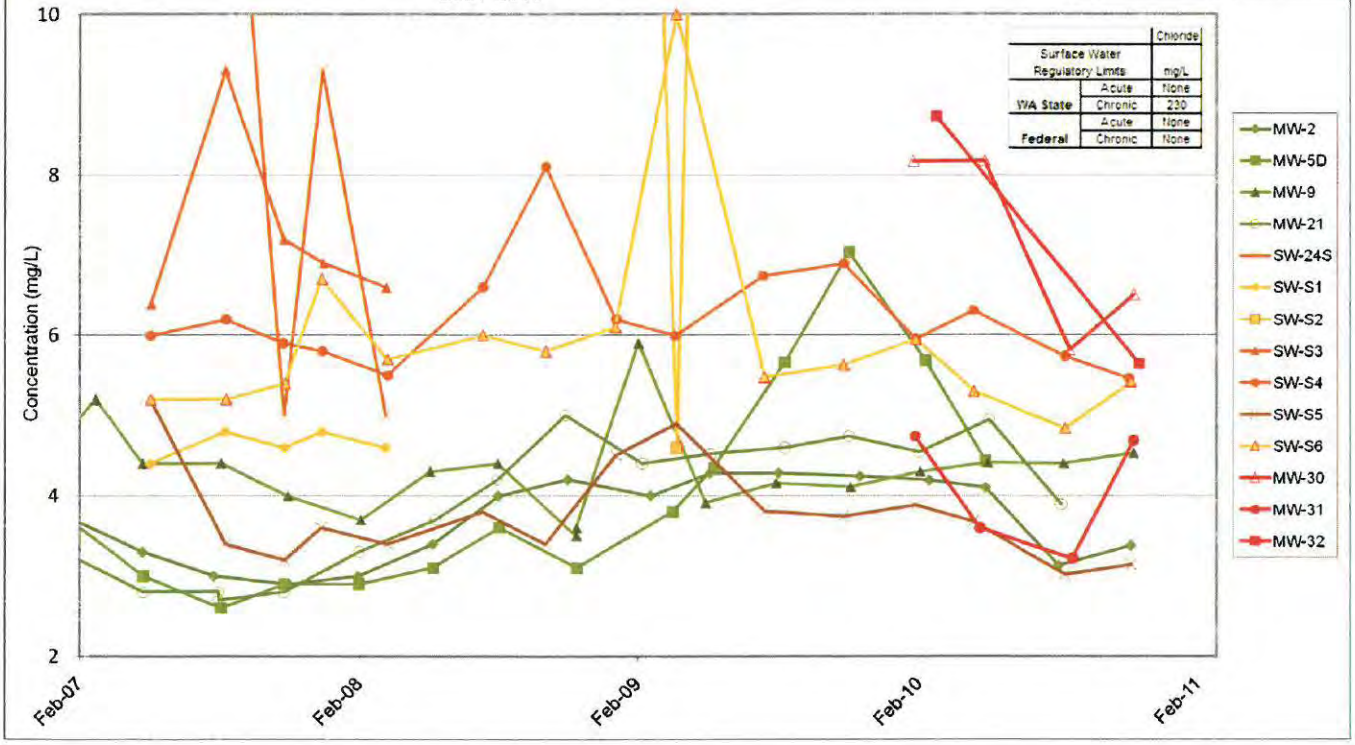



**Figure 30 - Chloride- Hillslope Seeps & Wells and Cc2 Perched Zone Monitoring Wells 2007-2010**



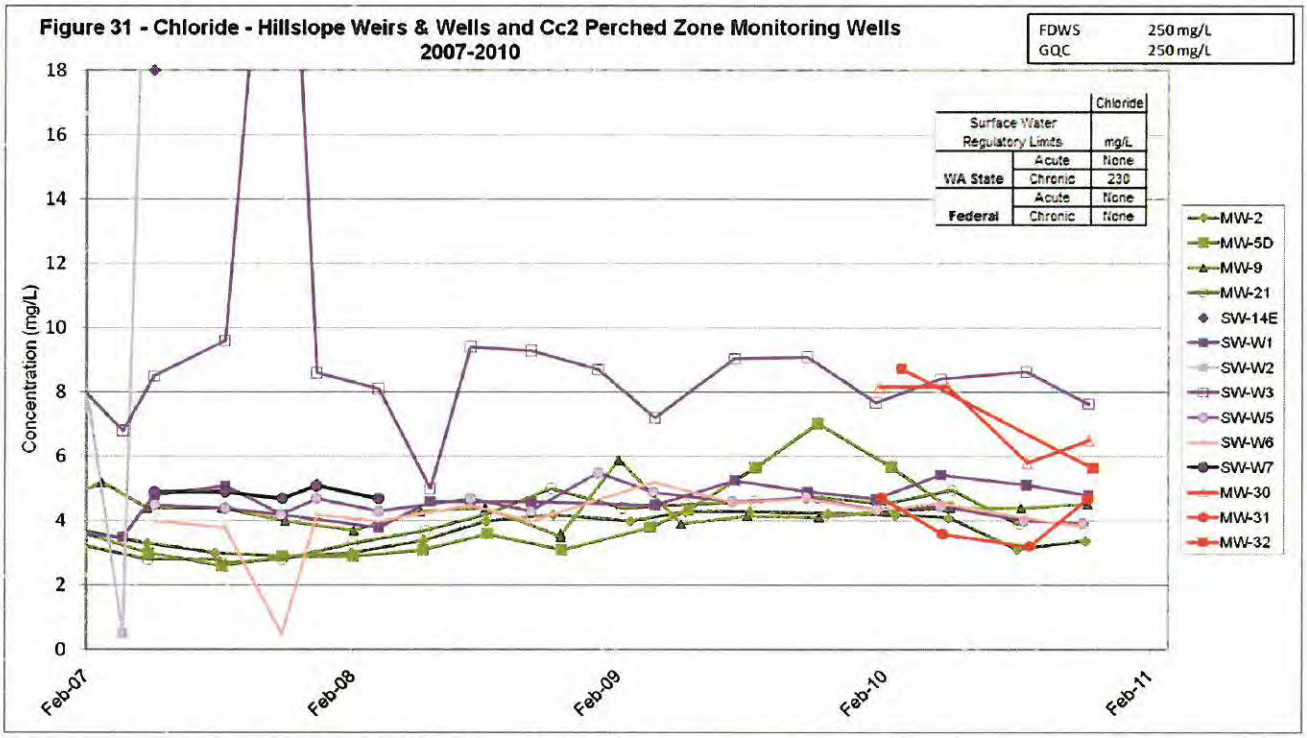


Figure 31 - Chloride - Hillslope Weirs & Wells and Cc2 Perched Zone Monitoring Wells
2007-2010
FDWS 250 mg/L
GQC 250 mg/L
Surface Water Regulatory Limits
Chloride mg/L
WA State Acute None
WA State Chronic 230
Federal Acute None
Federal Chronic None
Concentration (mg/L)
0
2
4
6
8
10
12
14
16
18
Feb-07
Feb-08
Feb-09
Feb-10
Feb-11
MW-2
MW-5D
MW-9
MW-21
SW-14E
SW-W1
SW-W2
SW-W3
SW-W5
SW-W6
SW-W7
MW-30
MW-31
MW-32

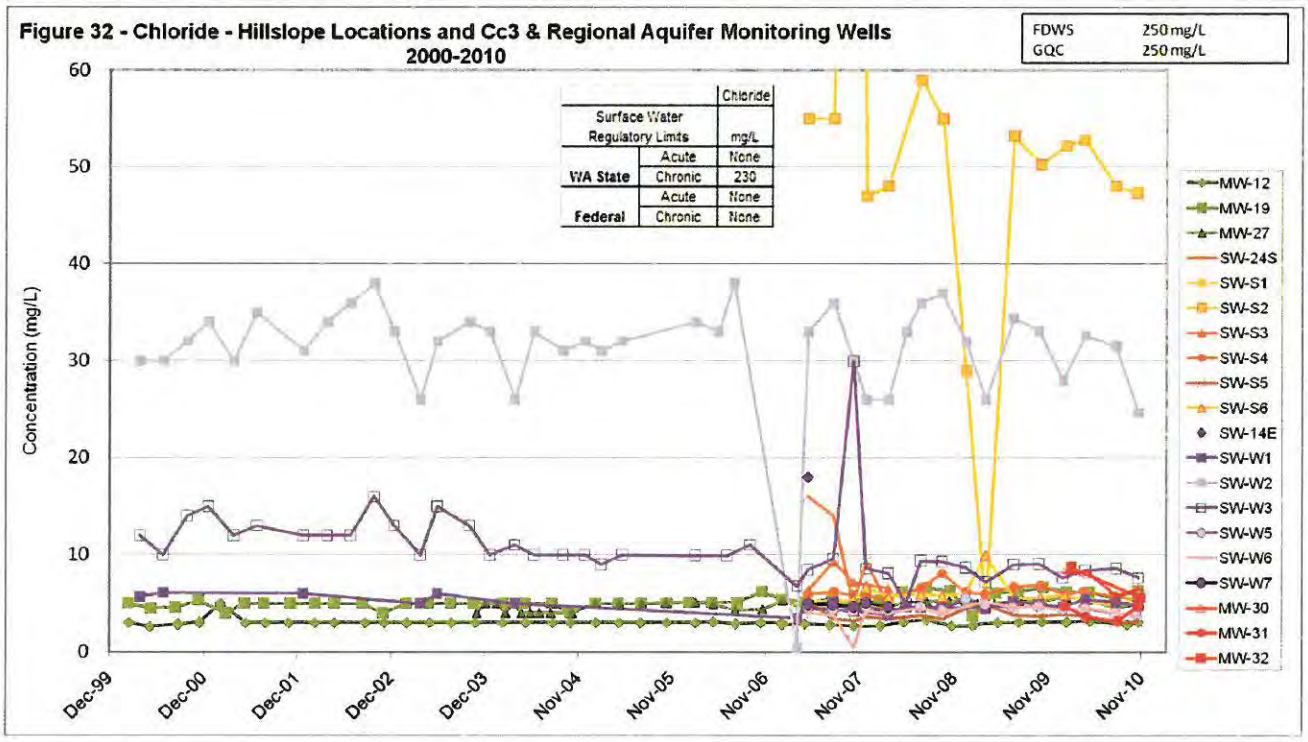


Figure 32 - Chloride - Hillslope Locations and Cc3 & Regional Aquifer Monitoring Wells
2000-2010
FDWS 250 mg/L
GQC 250 mg/L
Surface Water Regulatory Limits
Chloride mg/L
WA State Acute None
WA State Chronic 230
Federal Acute None
Federal Chronic None
Concentration (mg/L)
0
10
20
30
40
50
60
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Nov-04
Nov-05
Nov-06
Nov-07
Nov-08
Nov-09
Nov-10
MW-12
MW-19
MW-27
SW-24S
SW-S1
SW-S2
SW-S3
SW-S4
SW-S5
SW-S6
SW-14E
SW-W1
SW-W2
SW-W3
SW-W5
SW-W6
SW-W7
MW-30
MW-31
MW-32

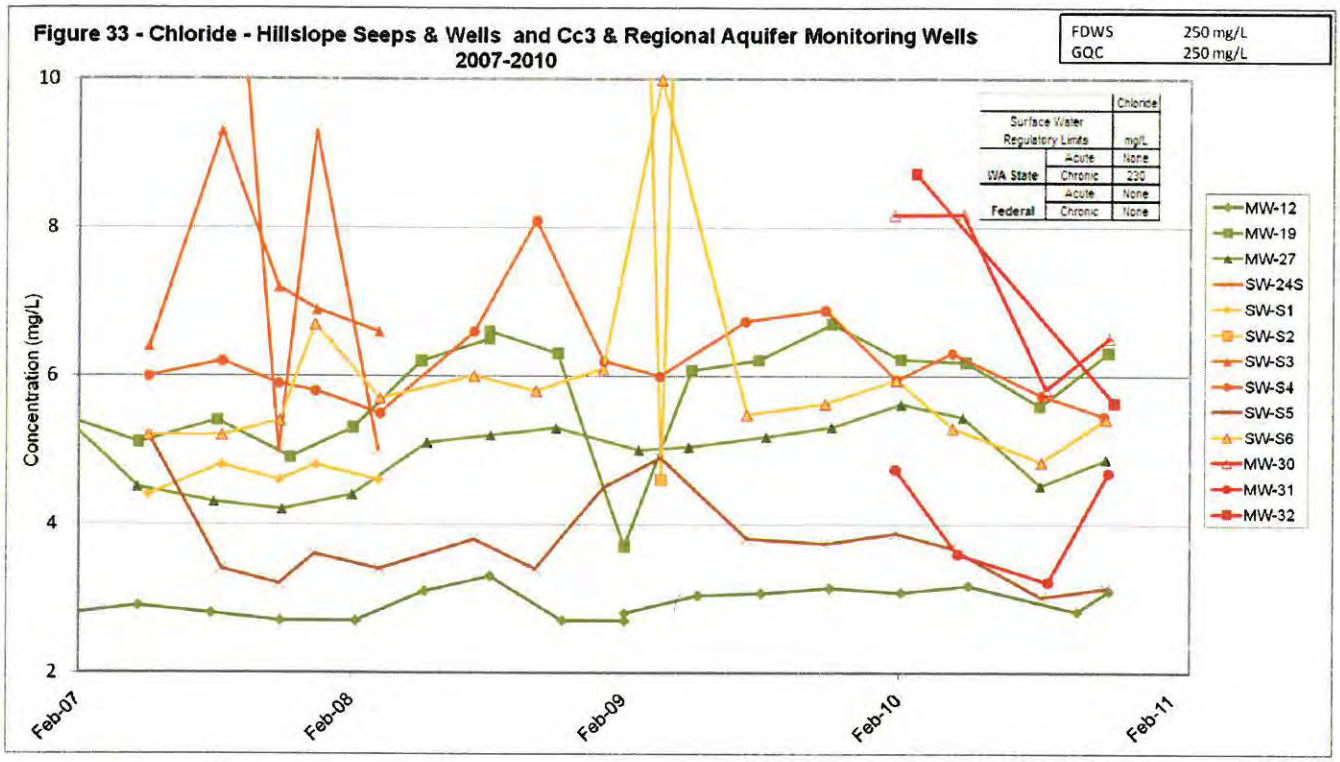


Figure 33 - Chloride - Hillslope Seeps & Wells and Cc3 & Regional Aquifer Monitoring Wells
2007-2010
FDWS 250 mg/L
GQC 250 mg/L
Surface Water Regulatory Limits
Chloride mg/L
WA State Acute None
WA State Chronic 230
Federal Acute None
Federal Chronic None
Concentration (mg/L)
10
8
6
4
2
Feb-07
Feb-08
Feb-09
Feb-10
Feb-11
MW-12
MW-19
MW-27
SW-24S
SW-S1
SW-S2
SW-S3
SW-S4
SW-S5
SW-S6
MW-30
MW-31
MW-32

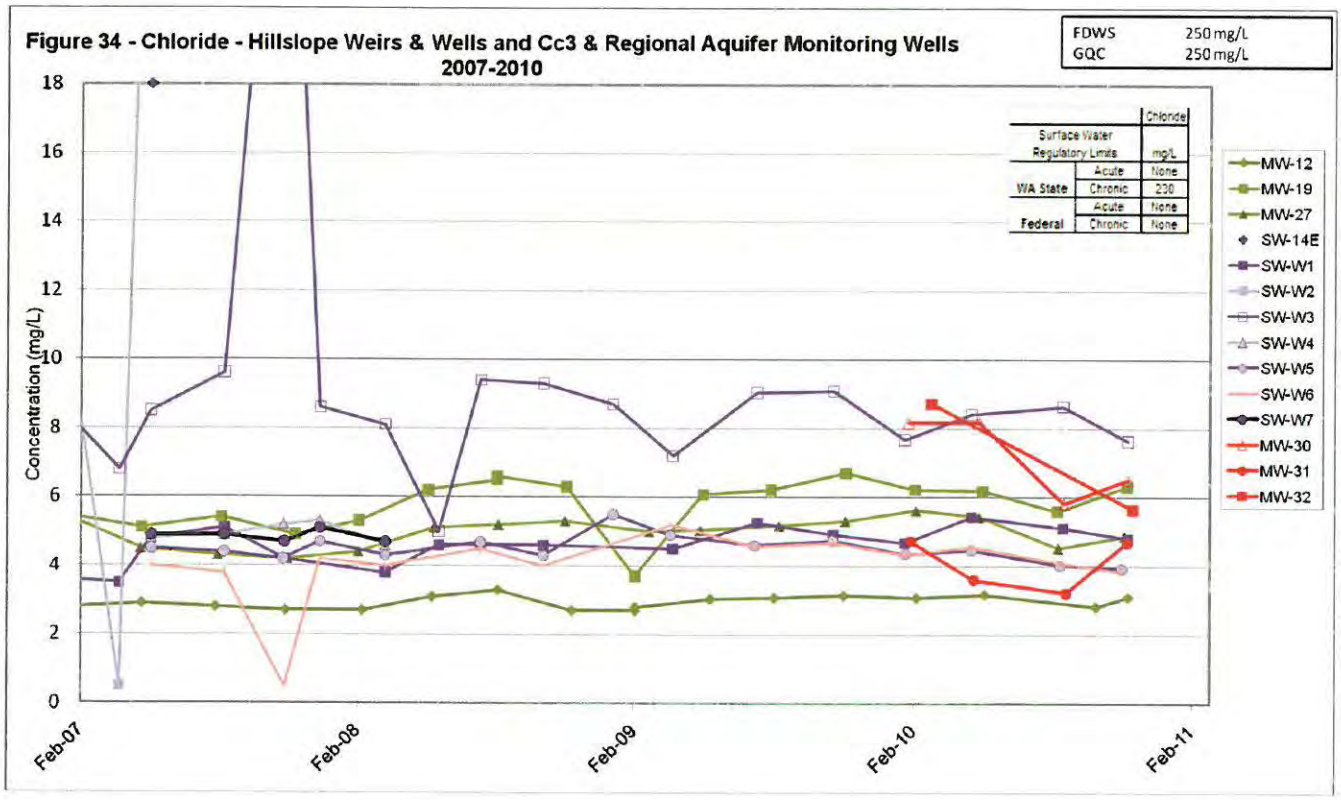


Figure 34 - Chloride - Hillslope Weirs & Wells and Cc3 & Regional Aquifer Monitoring Wells
2007-2010
FDWS 250 mg/L
GQC 250 mg/L
Surface Water Regulatory Limits
Chloride mg/L
WA State Acute None
WA State Chronic 230
Federal Acute None
Federal Chronic None
Concentration (mg/L)
18
16
14
12
10
8
6
4
2
0
Feb-07
Feb-08
Feb-09
Feb-10
Feb-11
MW-12
MW-19
MW-27
SW-14E
SW-W1
SW-W2
SW-W3
SW-W4
SW-W5
SW-W6
SW-W7
MW-30
MW-31
MW-32

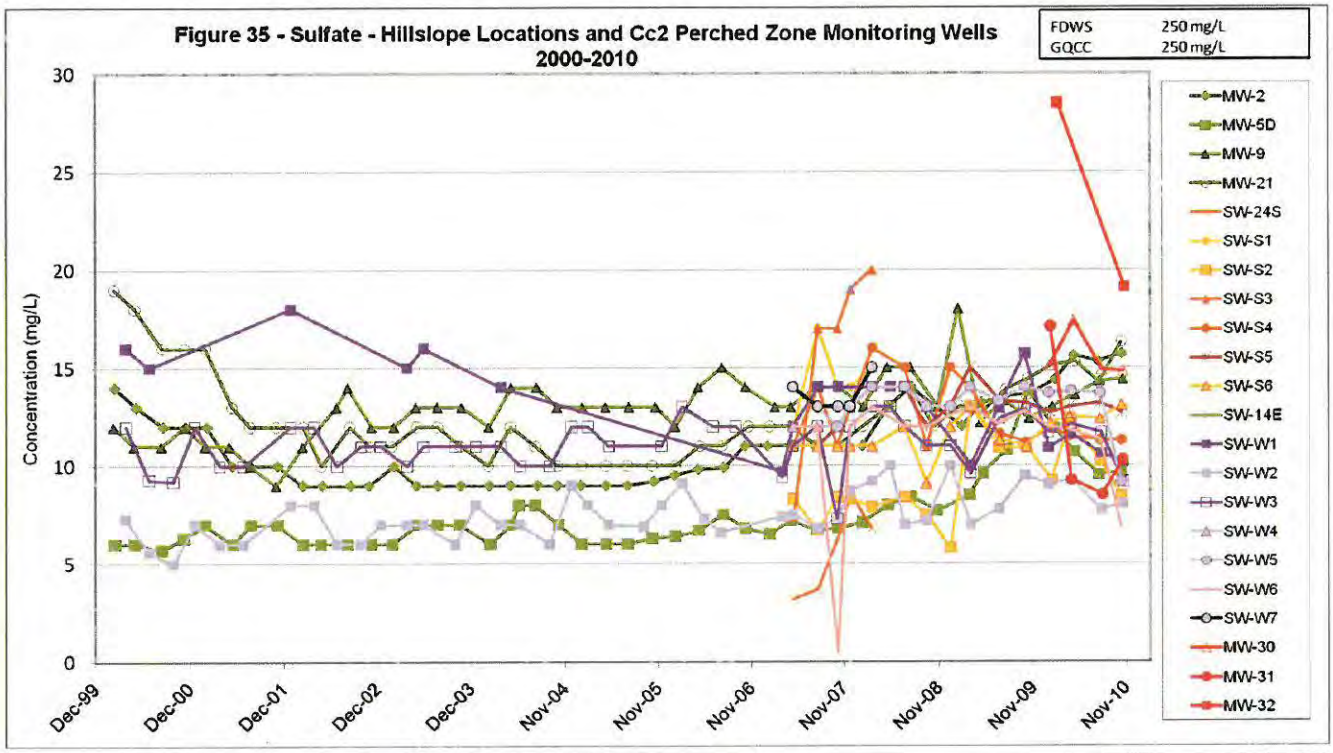


Figure 35 - Sulfate - Hillslope Locations and Cc2 Perched Zone Monitoring Wells
2000-2010
FDWS 250 mg/L
GQCC 250 mg/L
Concentration (mg/L)
0
5
10
15
20
25
30
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Nov-04
Nov-05
Nov-06
Nov-07
Nov-08
Nov-09
Nov-10
MW-2
MW-5D
MW-9
MW-21
SW-24S
SW-S1
SW-S2
SW-S3
SW-S4
SW-S5
SW-S6
SW-14E
SW-W1
SW-W2
SW-W3
SW-W4
SW-W5
SW-W6
SW-W7
MW-30
MW-31
MW-32

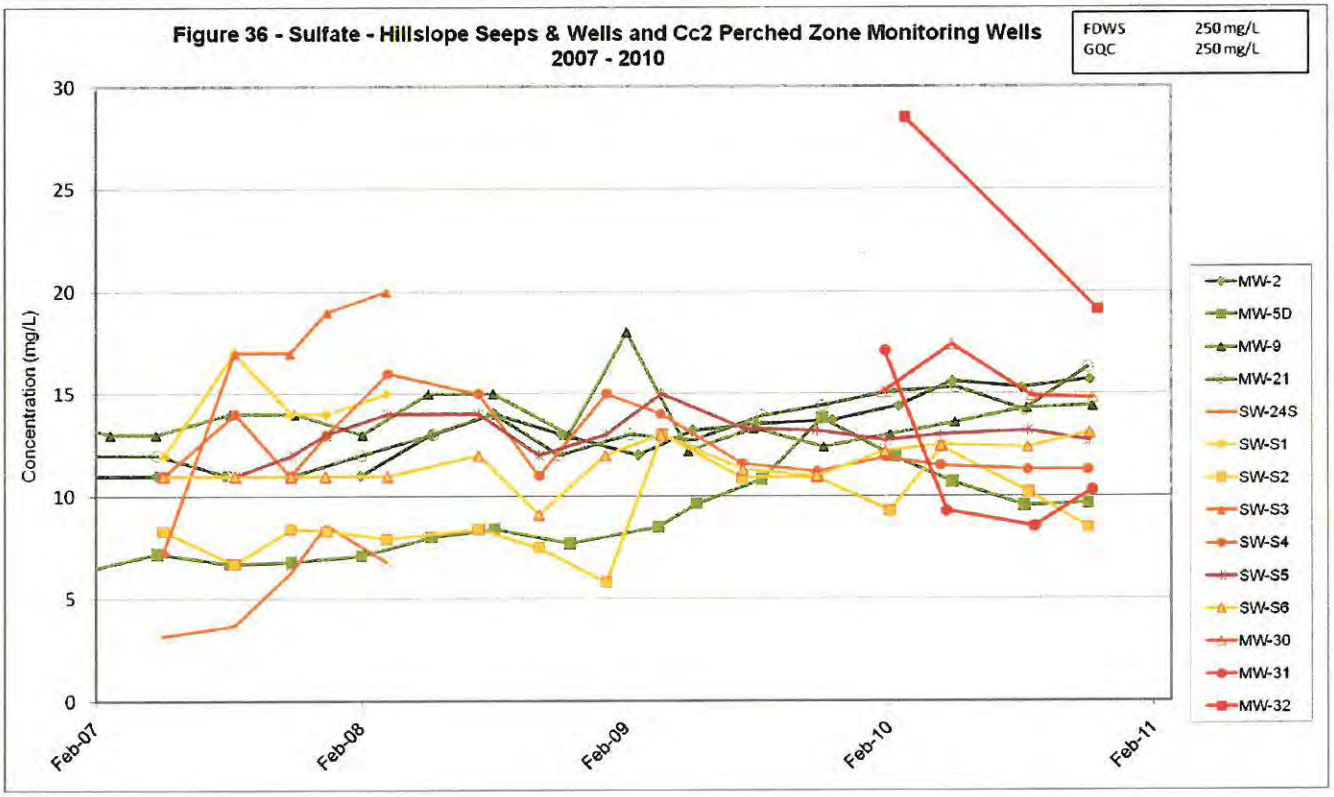


Figure 36 - Sulfate - Hillslope Seeps & Wells and Cc2 Perched Zone Monitoring Wells
2007 - 2010
FDWS 250 mg/L
GQC 250 mg/L
Concentration (mg/L)
0
5
10
15
20
25
30
Feb-07
Feb-08
Feb-09
Feb-10
Feb-11
MW-2
MW-5D
MW-9
MW-21
SW-24S
SW-S1
SW-S2
SW-S3
SW-S4
SW-S5
SW-S6
MW-30
MW-31
MW-32

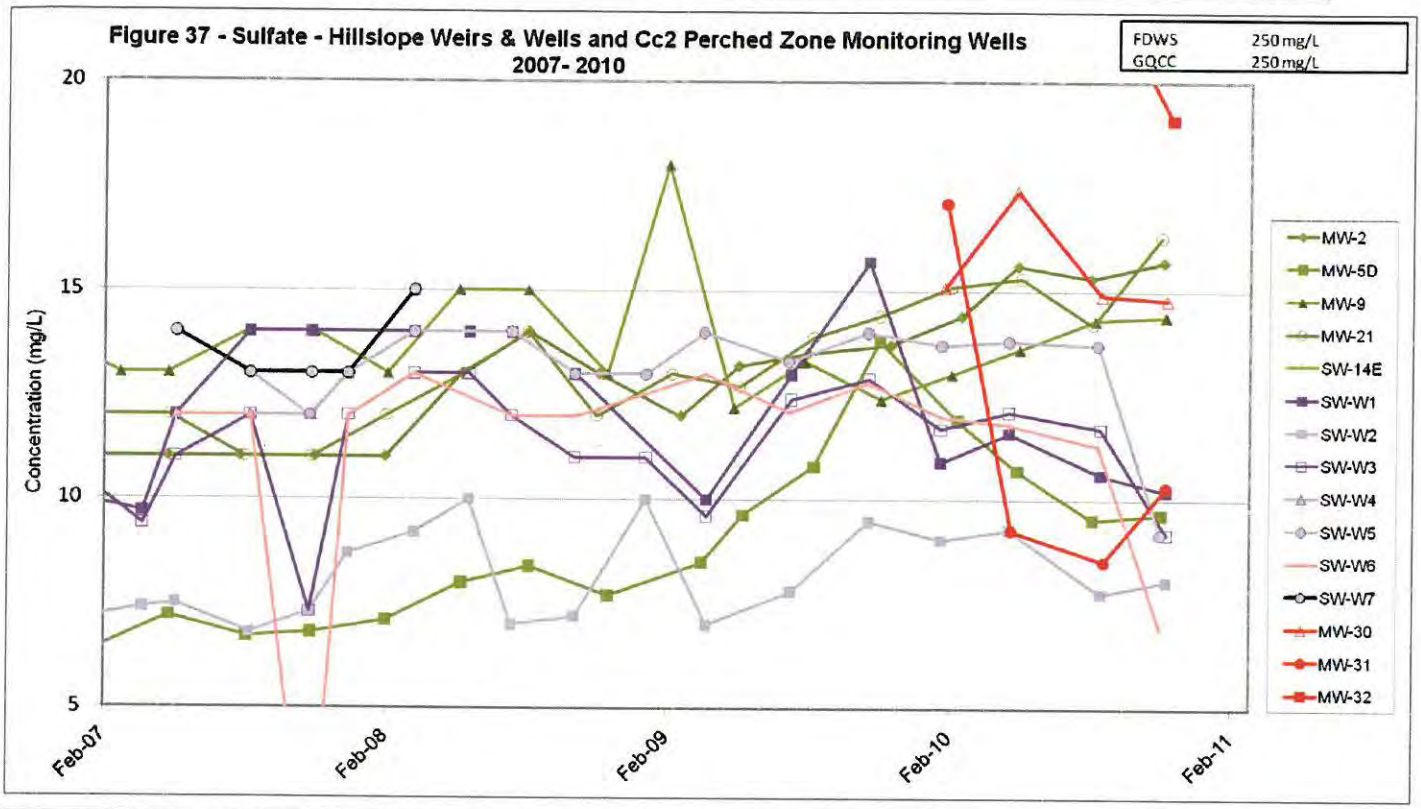


Figure 37 - Sulfate - Hillslope Weirs & Wells and Cc2 Perched Zone Monitoring Wells
2007- 2010
FDWS 250 mg/L
GQCC 250 mg/L
Concentration (mg/L)
20
15
10
5
Feb-07
Feb-08
Feb-09
Feb-10
Feb-11
MW-2
MW-5D
MW-9
MW-21
SW-14E
SW-W1
SW-W2
SW-W3
SW-W4
SW-W5
SW-W6
SW-W7
MW-30
MW-31
MW-32

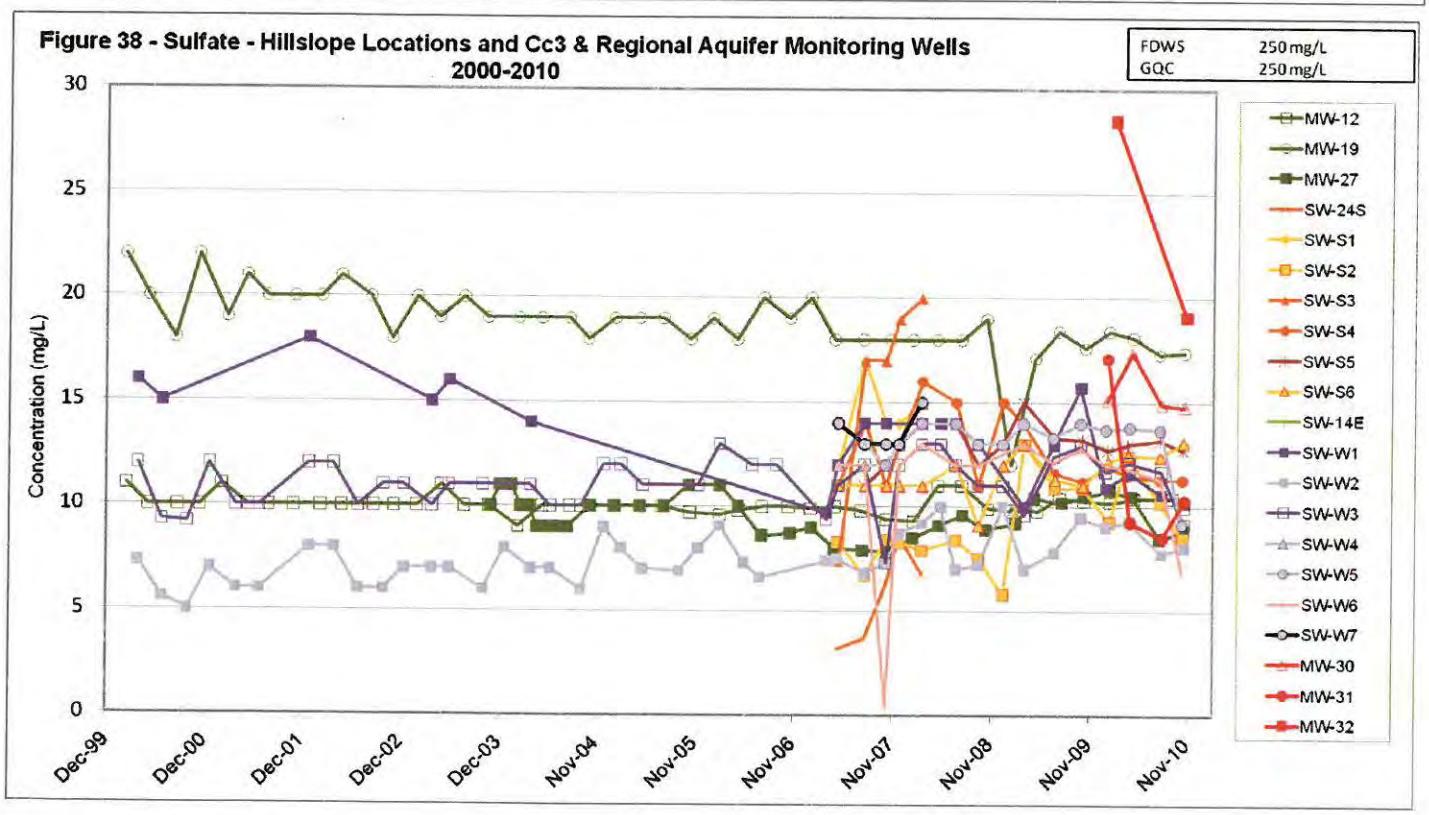


Figure 38 - Sulfate - Hillslope Locations and Cc3 & Regional Aquifer Monitoring Wells
2000-2010
FDWS 250 mg/L
GQC 250 mg/L
Concentration (mg/L)
30
25
20
15
10
5
0
Dec-99
Dec-00
Dec-01
Dec-02
Dec-03
Nov-04
Nov-05
Nov-06
Nov-07
Nov-08
Nov-09
Nov-10
MW-12
MW-19
MW-27
SW-24S
SW-S1
SW-S2
SW-S3
SW-S4
SW-S5
SW-S6
SW-14E
SW-W1
SW-W2
SW-W3
SW-W4
SW-W5
SW-W6
SW-W7
MW-30
MW-31
MW-32

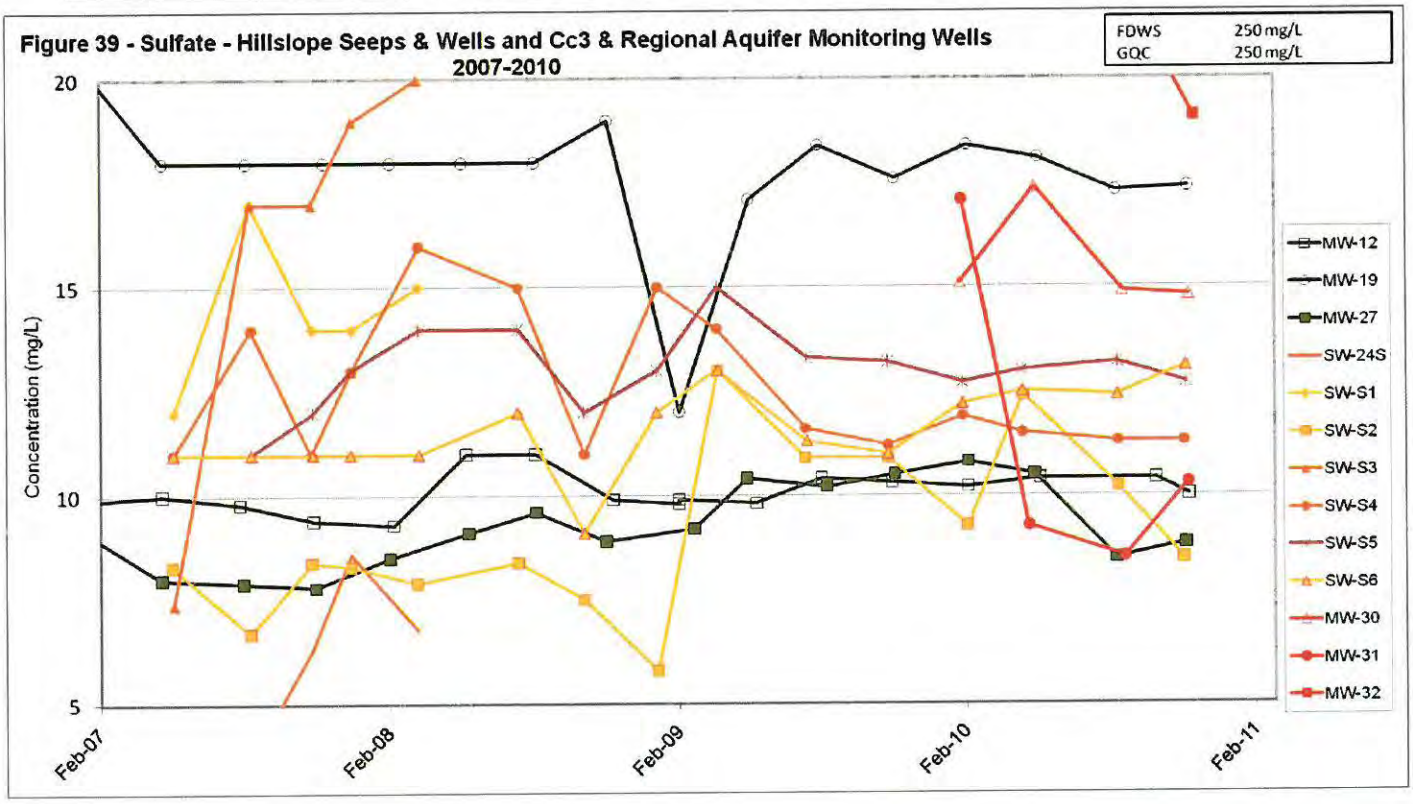


Figure 39 - Sulfate - Hillslope Seeps & Wells and Cc3 & Regional Aquifer Monitoring Wells
2007-2010
FDWS 250 mg/L
GQC 250 mg/L
Concentration (mg/L)
20
15
10
5
Feb-07
Feb-08
Feb-09
Feb-10
Feb-11
MW-12
MW-19
MW-27
SW-24S
SW-S1
SW-S2
SW-S3
SW-S4
SW-S5
SW-S6
MW-30
MW-31
MW-32

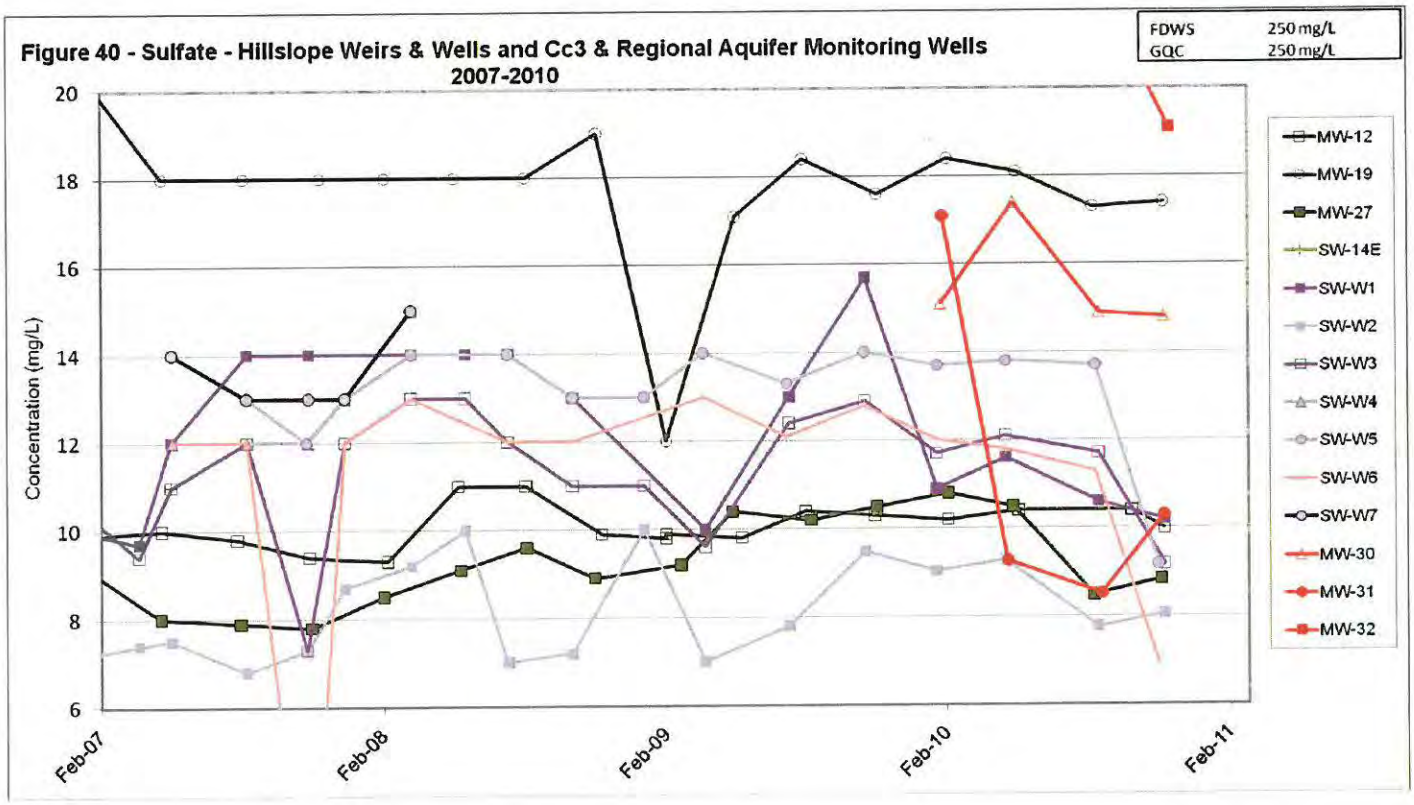


Figure 40 - Sulfate - Hillslope Weirs & Wells and Cc3 & Regional Aquifer Monitoring Wells
2007-2010
FDWS 250 mg/L
GQC 250 mg/L
Concentration (mg/L)
20
18
16
14
12
10
8
6
Feb-07
Feb-08
Feb-09
Feb-10
Feb-11
MW-12
MW-19
MW-27
SW-14E
SW-W1
SW-W2
SW-W3
SW-W4
SW-W5
SW-W6
SW-W7
MW-30
MW-31
MW-32

**Figure 41 - Total Alkalinity (as $CaCO_3$) - Hillslope Locations and Cc2 Perched Zone Monitoring Wells 2000-2010**

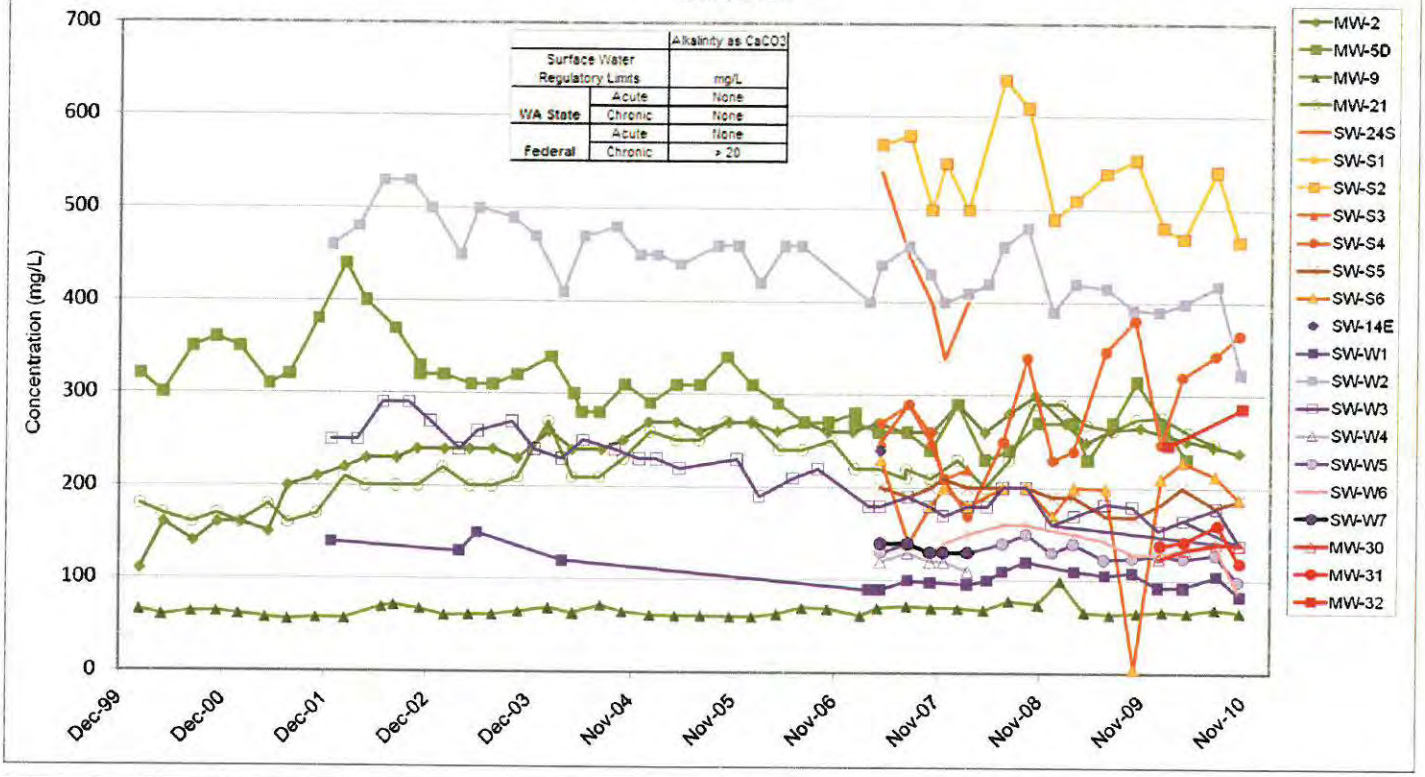



**Figure 42 - Total Alkalinity (as $CaCO_3$) - Hillslope Seeps & Wells and Cc2 Perched Zone Monitoring Wells 2007-2010**

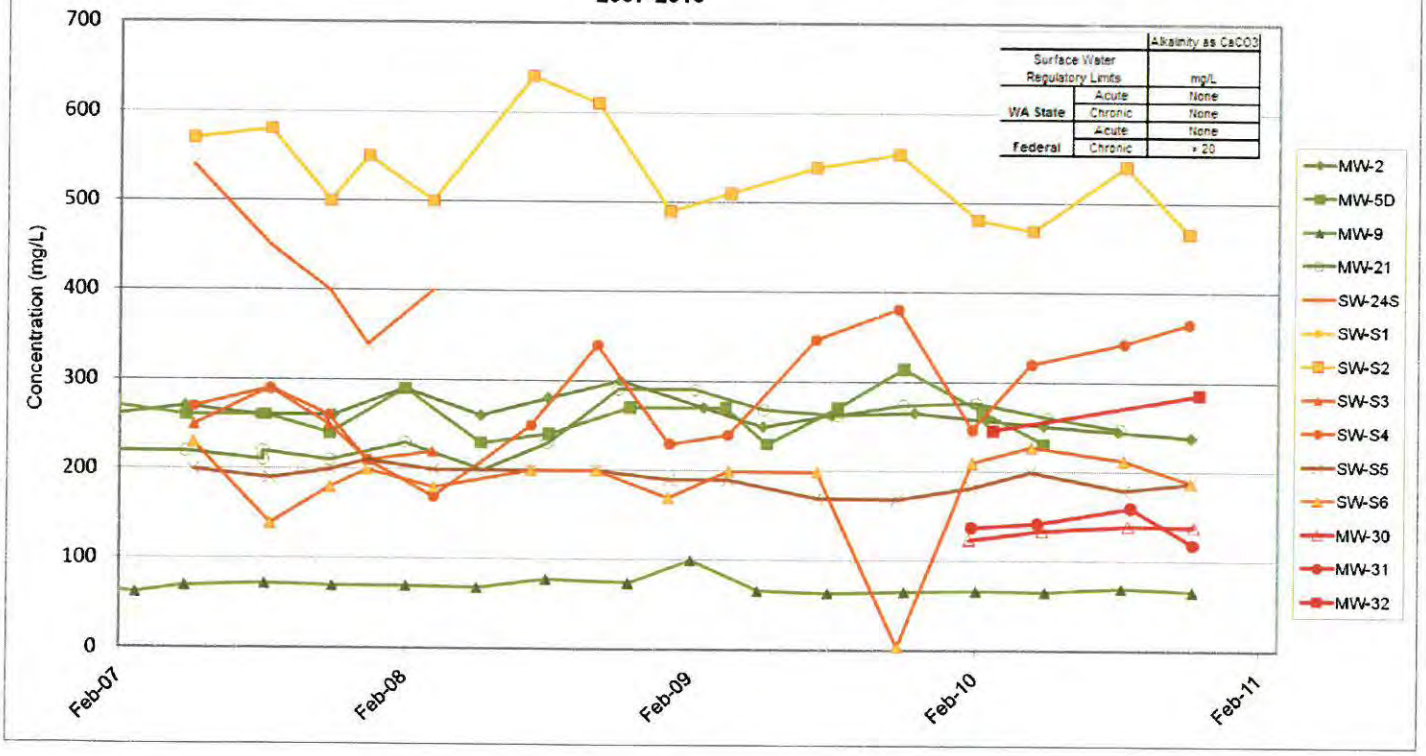


**Figure 43 - Total Alkalinity (as $CaCO_3$) - Hillslope Weirs & Wells and Cc2 Perched Zone Monitoring Wells 2007-2010**

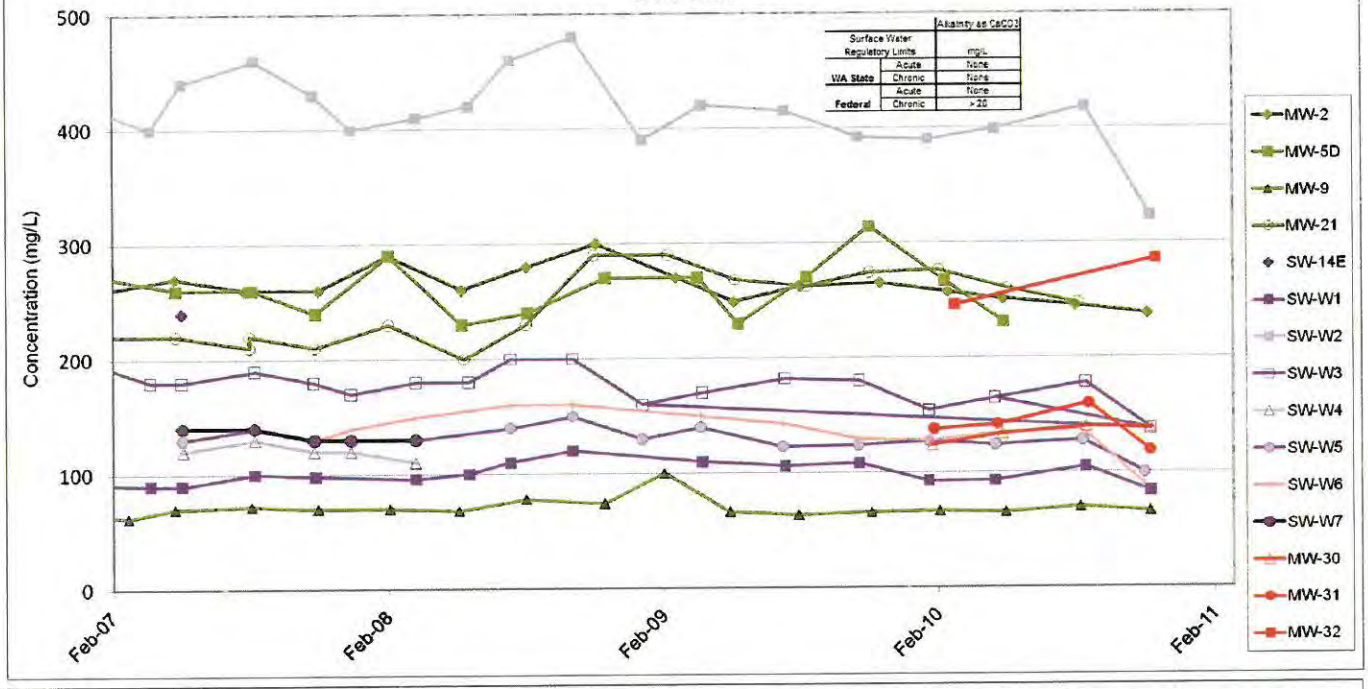



**Figure 44 - Total Alkalinity (as $CaCO)_3$ - Hillslope Locations and Cc3 & Regional Aquifer Monitoring Wells 2000-2010**

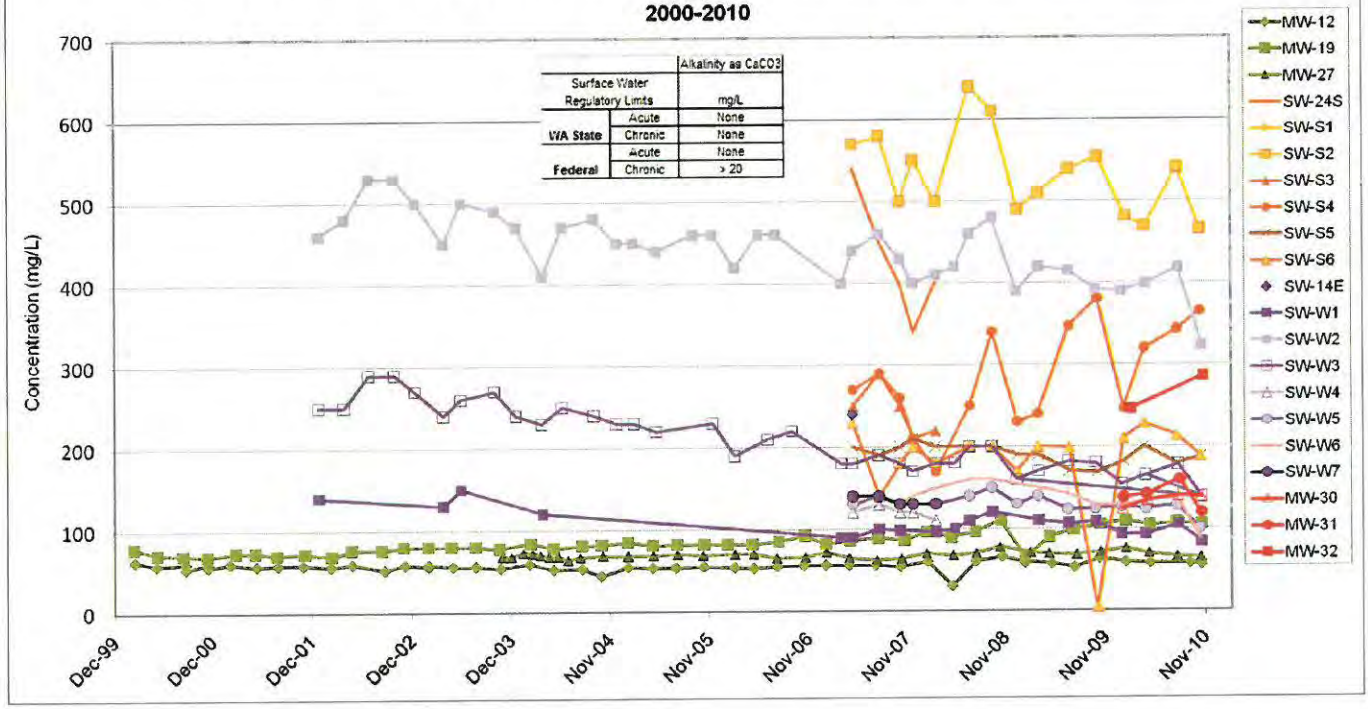


**Figure 45 - Total Alkalinity (as $CaCO_3$) - Hillslope Seeps & Wells and Cc3 & Regional Aquifer Monitoring Wells 2007-2010**

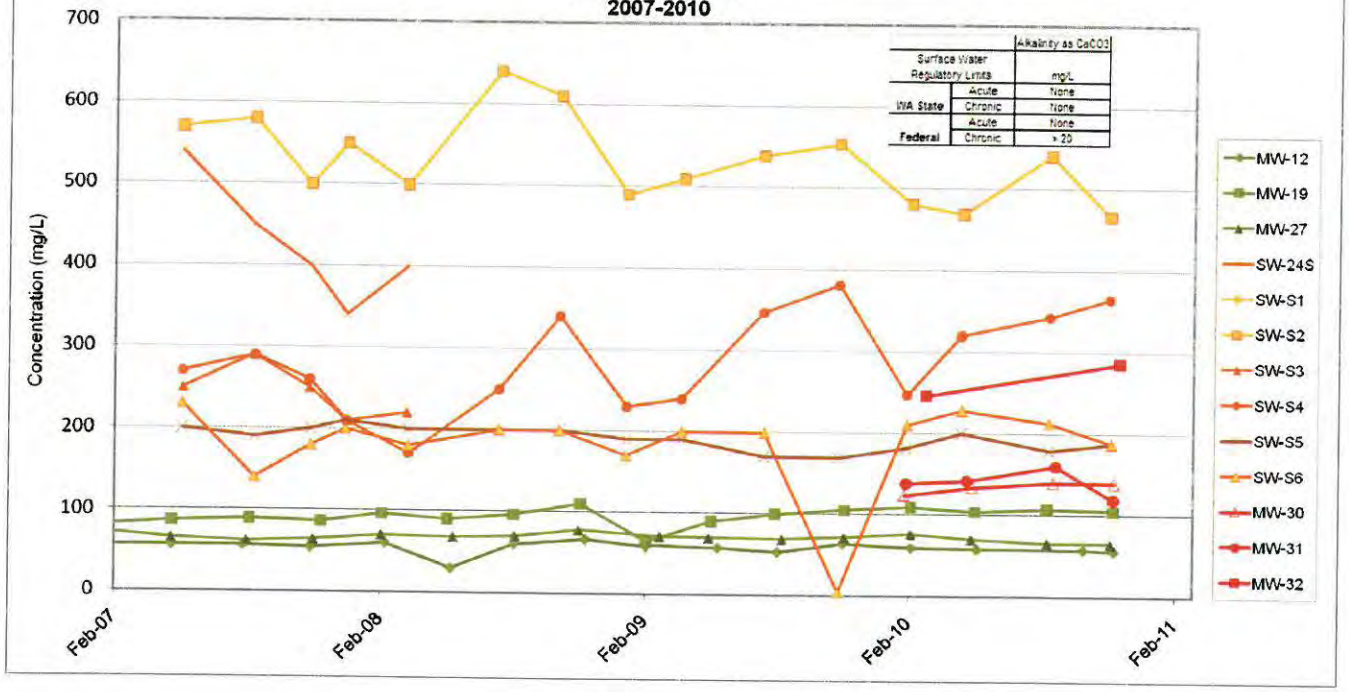
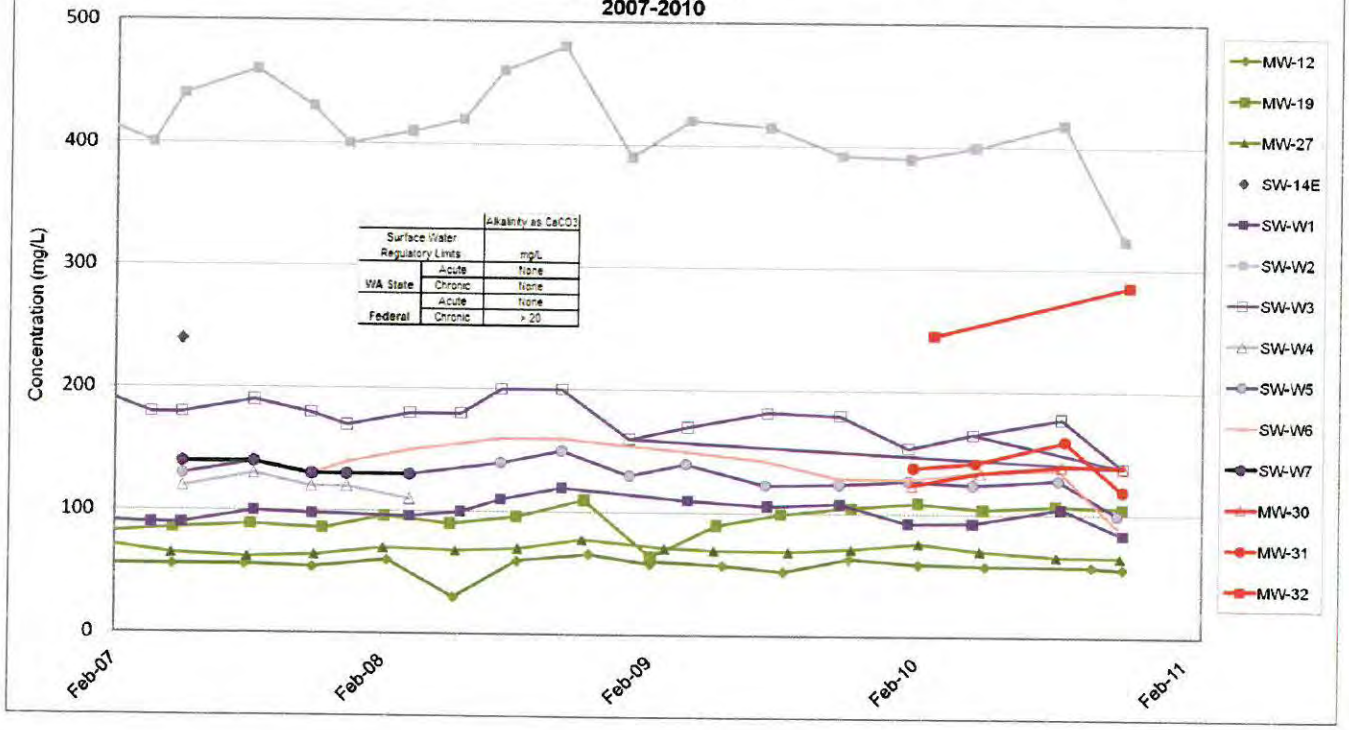



**Figure 46 - Total Alkalinity (as $CaCO_3$) - Hillslope Weirs & Wells and Cc3 & Regional Aquifer Monitoring Wells 2007-2010**



# Appendix M
# Analytical Results

# Appendix M.1
# Dissolved Metals

Data collected during 2000 - 2010

Vashon Closed Landfill Western Hillslope Investigation

| | | ALUMINUM | ANTIMONY | ARSENIC | BARIUM | CADMIUM | CALCIUM | CHROMIUM | COPPER | IRON | LEAD | MAGNESIUM | MANGANESE | MERCURY | NICKEL | POTASSIUM | SELENIUM | SILVER | SODIUM | TIN | VANADIUM | ZINC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Surface Water Quality Criteria (SWQC) | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| WA State | Acute | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None |
| | Chronic | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None |
| Federal | Acute | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None |
| | Chronic | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None |
| SW-24S | 5/9/2007 | | < 0.001 U | 0.02 | 0.051 | < 0.002 U | 80 | < 0.005 U | < 0.002 U | 27 | < 0.001 U | 56 | 1.6 D | < 0.0001 U | < 0.01 U | 3.2 | 0.002 | < 0.003 U | 17 | | < 0.002 U | < 0.004 U |
| | 8/15/2007 | | < 0.001 U | 0.016 | 0.047 | < 0.002 U | 71 | < 0.005 U | < 0.002 U | 25 | < 0.001 U | 50 | 1.5 D | < 0.0001 U | < 0.01 U | 2.8 | 0.0012 | < 0.003 U | 15 | | < 0.002 U | 0.0056 |
| | 10/31/2007 | | < 0.001 U | 0.009 | 0.033 | < 0.002 U | 56 | < 0.005 U | < 0.002 U | 13 B | < 0.001 U | 41 | 1.4 | < 0.00014 U | < 0.01 U | 2.5 | 0.0018 | < 0.003 U | 15 | | < 0.002 U | < 0.004 U |
| | 12/19/2007 | | < 0.001 U | 0.0098 | 0.033 | < 0.002 U | 49 | < 0.005 U | < 0.002 U | 12 | < 0.001 U | 35 | 1.3 | < 0.0001 U | 0.01 | 2.4 | 0.0018 | < 0.003 U | 13 | | < 0.002 U | < 0.004 U |
| | 3/11/2008 | | < 0.001 U | 0.01 | 0.03 | < 0.002 U | 63 | < 0.005 U | < 0.002 U | 14 | < 0.001 U | 45 | 1.3 | < 0.0001 U | < 0.01 U | 2.7 | 0.0014 | < 0.003 U | 15 | | < 0.002 U | < 0.004 U |
| SW-S1 | 5/11/2007 | | < 0.001 U | < 0.001 U | 0.0027 | < 0.002 U | 14 | < 0.005 U | < 0.002 U | 0.084 | < 0.001 U | 12 | 0.29 | < 0.0001 U | < 0.01 U | 0.85 | < 0.001 U | < 0.003 U | 6 | | < 0.002 U | < 0.004 U |
| | 8/14/2007 | | < 0.001 U | < 0.001 U | 0.0012 | < 0.002 U | 15 | < 0.005 U | < 0.002 U | 0.22 | < 0.001 U | 12 | 1.1 | < 0.0001 U | < 0.01 U | 0.97 | < 0.001 U | < 0.003 U | 6.6 | | < 0.002 U | 0.018 |
| | 11/1/2007 | | < 0.001 U | < 0.001 U | < 0.001 U | < 0.002 U | 16 | < 0.005 U | < 0.002 U | 0.075 B | < 0.001 U | 12 | 0.015 | < 0.00014 U | < 0.01 U | 0.91 | < 0.001 U | < 0.003 U | 6.5 | | < 0.002 U | 0.16 |
| | 12/19/2007 | | < 0.001 U | < 0.001 U | < 0.001 U | < 0.002 U | 16 | < 0.005 U | < 0.002 U | 0.12 | < 0.001 U | 13 | 0.0074 | < 0.0001 U | < 0.01 U | 0.96 | 0.001 | < 0.003 U | 6.9 | | < 0.002 U | 0.025 |
| | 3/12/2008 | | < 0.001 U | < 0.001 U | < 0.001 U | < 0.002 U | 17 | < 0.005 U | < 0.002 U | 0.1 | < 0.001 U | 13 | 0.15 | < 0.0001 U | < 0.01 U | 0.99 | < 0.001 U | < 0.003 U | 7.3 | | < 0.002 U | 0.0066 |
| SW-S2 | 5/9/2007 | | < 0.001 U | 0.02 | 0.049 | < 0.002 U | 92 | < 0.005 U | < 0.002 U | 25 | < 0.001 U | 69 | 6.4 D | 0.000424 | < 0.01 U | 3.7 | 0.005 | < 0.003 U | 17 | | < 0.002 U | 0.029 |
| | 8/15/2007 | | < 0.001 U | 0.016 | 0.044 | < 0.002 U | 84 | < 0.005 U | < 0.002 U | 18 | < 0.001 U | 64 | 5.4 D | < 0.0001 U | < 0.01 U | 3.3 | 0.0039 | < 0.003 U | 16 | | < 0.002 U | 0.018 |
| | 10/31/2007 | | < 0.001 U | 0.018 | 0.044 | < 0.002 U | 83 | < 0.005 U | < 0.002 U | 19 B | < 0.001 U | 66 | 5.8 D | < 0.00014 U | < 0.01 U | 3.4 | 0.0068 | < 0.003 U | 17 | | < 0.002 U | 0.017 |
| | 12/19/2007 | | < 0.001 U | 0.015 | 0.028 | < 0.002 U | 62 | < 0.005 U | < 0.002 U | 9.6 | < 0.001 U | 47 | 5.4 D | < 0.0001 U | < 0.01 U | 3 | 0.0091 | < 0.003 U | 14 | | < 0.002 U | 0.019 |
| | 3/11/2008 | | < 0.001 U | 0.022 | 0.041 | < 0.002 U | 84 | < 0.005 U | < 0.002 U | 23 | < 0.001 U | 64 | 5.7 D | < 0.0001 U | < 0.01 U | 3.5 | 0.005 | < 0.003 U | 18 | | < 0.002 U | 0.021 |
| | 7/16/2008 | | < 0.0009 U | 0.017 | 0.041 | < 0.0018 U | 89 | < 0.0045 U | < 0.0018 U | 19 | < 0.0009 U | 68 | 4.6 D | < 0.0001 U | < 0.009 U | 3.5 | 0.0015 | < 0.0027 U | 17 | | < 0.0018 U | 0.0071 |
| | 10/7/2008 | | < 0.001 U | 0.018 | 0.04 | < 0.002 U | 93 | < 0.005 U | < 0.002 U | 18 B | < 0.001 U | 74 | 4.6 D | < 0.0001 U | < 0.01 U | 3.8 | 0.0018 | < 0.003 U | 20 | | < 0.002 U | 0.0086 |
| | 1/7/2009 | | < 0.001 U | 0.027 | 0.039 | < 0.002 U | 80 | < 0.005 U | < 0.002 U | 17 | < 0.001 U | 59 | 4.2 D | < 0.0001 U | < 0.01 U | 3.6 | 0.0016 | < 0.003 U | 17 | | < 0.002 U | 0.024 |
| | 3/25/2009 | | < 0.001 U | 0.025 | 0.038 | < 0.002 U | 74 | < 0.005 U | < 0.002 U | 16 | < 0.001 U | 62 | 3.9 D | < 0.0001 U | < 0.01 U | 3.5 | 0.0012 | < 0.003 U | 18 | | < 0.002 U | 0.007 |
| | 7/14/2009 | | < 0.001 U | 0.0267 | 0.0481 | < 0.002 U | 98.5 D | < 0.005 U | < 0.002 U | 15.2 | < 0.001 U | 82.1 D | 4.3 D | < 0.0001 U | < 0.01 U | 4.42 | < 0.001 U | < 0.003 U | 19.4 | | < 0.002 U | 0.00892 |
| | 10/27/2009 | | < 0.001 U | 0.0231 | 0.0494 | < 0.002 U | 95.3 D | < 0.005 U | < 0.002 U | 13.2 | < 0.001 U | 80 D | 4.18 D | < 0.0001 U | < 0.01 U | 4.41 | < 0.001 U | < 0.003 U | 24.9 | | < 0.002 U | 0.0131 |
| | 2/4/2010 | < 0.02 U | < 0.001 U | 0.0341 | 0.0468 | < 0.002 U | 81 D | < 0.005 U | < 0.002 U | 24.4 | < 0.001 U | 72.2 D | 3.8 | | < 0.01 U | 3.9 | 0.0011 T | < 0.003 U | 22 | < 0.01 U | < 0.002 U | 0.00849 |
| | 4/15/2010 | < 0.02 U | < 0.001 U | 0.0304 | 0.0536 | < 0.002 U | 87.6 D | < 0.005 U | < 0.002 U | 17.7 | < 0.001 U | 68.2 D | 3.74 D | | < 0.01 U | 3.98 | < 0.001 U | < 0.003 DU | 20 | < 0.01 U | < 0.002 U | 0.0253 |
| | 8/12/2010 | < 0.02 U | < 0.001 U | 0.0269 | 0.053 | < 0.002 U | 80.2 | < 0.005 U | < 0.002 U | 18.9 | < 0.001 U | 82.7 | 3.12 | | < 0.01 U | 4.33 | < 0.001 U | < 0.003 U | 23.8 | < 0.01 U | < 0.002 U | 0.0284 |
| | 11/2/2010 | < 0.02 U | < 0.001 U | 0.0255 | 0.0516 | < 0.002 U | 77.9 | < 0.005 U | < 0.002 U | 16.3 | < 0.001 U | 69.4 D | 3 | | < 0.01 U | 4.28 | < 0.001 U | < 0.003 U | 19.3 | < 0.01 U | < 0.002 U | < 0.004 U |
| SW-S3 | 5/11/2007 | | < 0.001 U | 0.0061 | 0.039 | < 0.002 U | 36 | < 0.005 U | < 0.002 U | 5.3 | < 0.001 U | 29 | 2.1 D | < 0.0001 U | < 0.01 U | 2.6 | < 0.001 U | < 0.003 U | 8.5 | | 0.0034 | 0.018 |
| | 8/15/2007 | | < 0.001 U | 0.0035 | 0.039 | < 0.002 U | 42 | < 0.005 U | < 0.002 U | 4.6 | < 0.001 U | 34 | 1.1 D | < 0.0001 U | < 0.01 U | 2.7 | < 0.001 U | < 0.003 U | 9.6 | | 0.002 | 0.025 |
| | 10/30/2007 | | < 0.001 U | 0.0017 | 0.028 | < 0.002 U | 35 | < 0.005 U | < 0.002 U | 1.8 | < 0.001 U | 28 | 0.43 | < 0.00014 U | < 0.01 U | 2.3 | < 0.001 U | < 0.003 U | 8.7 | | < 0.002 U | 0.013 |
| | 12/20/2007 | | < 0.001 U | < 0.001 U | 0.02 | < 0.002 U | 31 | < 0.005 U | < 0.002 U | 0.77 | < 0.001 U | 26 | 0.26 | < 0.0001 U | < 0.01 U | 2.3 | 0.0013 | < 0.003 U | 8.3 | | < 0.002 U | 0.012 |
| | 3/11/2008 | | < 0.001 U | 0.0016 | 0.023 | < 0.002 U | 36 | < 0.005 U | < 0.002 U | 0.65 | < 0.001 U | 30 | 0.26 | < 0.0001 U | < 0.01 U | 2.3 | < 0.001 U | < 0.003 U | 9.3 | | < 0.002 U | 0.026 |
| SW-S4 | 5/10/2007 | | < 0.001 U | 0.0012 | 0.019 | < 0.002 U | 35 | < 0.005 U | < 0.002 U | 0.13 | < 0.001 U | 29 | 5.4 D | < 0.0001 U | < 0.01 U | 2.9 | < 0.001 U | < 0.003 U | 8.9 | | < 0.002 U | 0.0068 |
| | 8/16/2007 | | < 0.001 U | < 0.001 U | 0.023 | < 0.002 U | 40 | < 0.005 U | < 0.002 U | 0.16 | < 0.001 U | 33 | 3 D | < 0.0001 U | < 0.01 U | 2.3 | < 0.001 U | < 0.003 U | 11 | | < 0.002 U | 0.0043 |
| | 10/30/2007 | | < 0.001 U | 0.0011 | 0.033 | < 0.002 U | 31 | < 0.005 U | < 0.002 U | 0.11 | < 0.001 U | 27 | 4.5 D | < 0.00014 U | < 0.01 U | 2.4 | < 0.001 U | < 0.003 U | 8.1 | | < 0.002 U | 0.0094 |
| | 12/19/2007 | | < 0.001 U | 0.001 | 0.015 | < 0.002 U | 27 | < 0.005 U | < 0.002 U | 0.22 | < 0.001 U | 23 | 3.1 D | < 0.0001 U | < 0.01 U | 2.5 | < 0.001 U | < 0.003 U | 8.1 | | < 0.002 U | 0.013 |
| | 3/13/2008 | | < 0.001 U | 0.0012 | 0.014 | < 0.002 U | 26 | < 0.005 U | < 0.002 U | 0.092 | < 0.001 U | 23 | 2.4 D | < 0.0001 U | < 0.01 U | 2.4 | 0.0014 | < 0.003 U | 8.5 | | < 0.002 U | 0.023 |
| | 7/16/2008 | | < 0.0009 U | 0.00092 | 0.021 | < 0.0018 U | 32 | < 0.0045 U | < 0.0018 U | 0.2 | < 0.0009 U | 28 | 2.2 D | < 0.0001 U | < 0.009 U | 2.5 | < 0.0009 U | < 0.0027 U | 9.2 | | < 0.0018 U | 0.0069 |
| | 10/7/2008 | | < 0.001 U | < 0.001 U | 0.023 | < 0.002 U | 44 | < 0.005 U | < 0.002 U | 0.21 B | < 0.001 U | 39 | 5 D | < 0.0001 U | < 0.01 U | 3.2 | < 0.001 U | < 0.003 U | 11 | | < 0.002 U | 0.057 |
| | 1/7/2009 | | < 0.001 U | < 0.001 U | 0.014 | < 0.002 U | 30 | < 0.005 U | < 0.002 U | 0.086 | < 0.001 U | 26 | 2.5 D | < 0.0001 U | < 0.01 U | 2.7 | < 0.001 U | < 0.003 U | 8.4 | | < 0.002 U | 0.019 |
| | 3/23/2009 | | < 0.001 U | < 0.001 U | 0.026 | < 0.002 U | 31 | < 0.005 U | < 0.002 U | 0.092 | < 0.001 U | 29 | 2.5 D | < 0.0001 U | < 0.01 U | 2.7 | < 0.001 U | < 0.003 U | 9.2 | | < 0.002 U | 0.0055 |
| | 7/14/2009 | | < 0.001 U | < 0.001 U | 0.0239 | < 0.002 U | 49.5 | < 0.005 U | < 0.002 U | 0.021 T | < 0.001 U | 45.2 | 3.83 D | < 0.0001 U | < 0.01 U | 3.88 | < 0.001 U | < 0.003 U | 12.3 | | < 0.002 U | 0.0146 |
| | 10/27/2009 | | < 0.001 U | 0.00153 | 0.0607 | < 0.002 U | 57 D | < 0.005 U | < 0.002 U | 0.503 | < 0.001 U | 52.8 D | 5.11 D | < 0.0001 U | < 0.01 U | 4.23 | < 0.001 U | < 0.003 U | 17.1 | | 0.00228 | 0.00982 |
| | 1/29/2010 | < 0.02 U | < 0.001 DU | < 0.001 U | 0.0153 D | < 0.002 U | 36.4 | < 0.005 DU | < 0.002 U | 0.0804 | < 0.001 U | 33.8 D | 1.65 | | < 0.01 U | 2.82 D | < 0.001 U | < 0.003 U | 10.7 | < 0.01 U | < 0.002 DU | < 0.004 U |
| | 4/14/2010 | < 0.02 U | < 0.001 U | < 0.001 U | 0.0203 | < 0.002 U | 41 | < 0.005 U | < 0.002 U | 0.029 T | < 0.001 U | 38.9 | 2.75 D | | < 0.01 U | 3.27 | < 0.001 U | < 0.003 DU | 10.9 | < 0.01 U | < 0.002 U | < 0.004 U |
| | 8/11/2010 | < 0.02 U | < 0.001 U | 0.00132 | 0.0301 | < 0.002 U | 54.3 | < 0.005 U | < 0.002 U | 0.0691 | < 0.001 U | 60.2 | 2.76 | | < 0.01 U | 4.07 | < 0.001 U | < 0.003 U | 16.3 | < 0.01 U | < 0.002 U | 2.04 D |
| | 11/2/2010 | < 0.02 U | < 0.001 U | < 0.001 U | 0.0225 | < 0.002 U | 46.8 | < 0.005 U | < 0.002 U | 0.019 T | < 0.001 U | 44.5 | 2.61 | | < 0.01 U | 3.95 | < 0.001 U | < 0.003 U | 12.6 | < 0.01 U | < 0.002 U | < 0.004 U |
| SW-S5 | 5/10/2007 | | < 0.001 U | 0.0011 | 0.0099 | < 0.002 U | 24 | < 0.005 U | < 0.002 U | 0.32 | < 0.001 U | 25 | 0.068 | < 0.0001 U | < 0.01 U | 2.4 | < 0.001 U | < 0.003 U | 8.6 | | < 0.002 U | < 0.004 U |
| | 8/16/2007 | | < 0.001 U | < 0.001 U | 0.0093 | < 0.002 U | 23 | < 0.005 U | < 0.002 U | 0.12 | < 0.001 U | 24 | 0.016 | < 0.0001 U | < 0.01 U | 2.2 | < 0.001 U | < 0.003 U | 8.3 | | < 0.002 U | 0.016 |
| | 11/1/2007 | | < 0.001 U | < 0.001 U | 0.0096 | < 0.002 U | 24 | < 0.005 U | < 0.002 U | 0.16 B | < 0.001 U | 26 | 0.029 | < 0.00014 U | < 0.01 U | 2.2 | < 0.001 U | < 0.003 U | 8.9 | | < 0.002 U | 0.0055 |
| | 12/18/2007 | | < 0.001 U | < 0.001 U | 0.01 | < 0.002 U | 25 | < 0.005 U | < 0.002 U | 0.13 | < 0.001 U | 28 | 0.013 | < 0.0001 U | < 0.01 U | 2.5 | < 0.001 U | < 0.003 U | 9.3 | | < 0.002 U | 0.009 |
| | 3/13/2008 | | < 0.001 U | < 0.001 U | 0.0091 | < 0.002 U | 26 | < 0.005 U | < 0.002 U | 0.093 | < 0.001 U | 29 | 0.01 | < 0.0001 U | < 0.01 U | 2.3 | < 0.001 U | < 0.003 U | 9.2 | | < 0.002 U | < 0.004 U |
| | 7/16/2008 | | < 0.0009 U | < 0.0009 U | 0.0092 | < 0.0018 U | 24 | < 0.0045 U | < 0.0018 U | 0.15 | < 0.0009 U | 27 | 0.032 | < 0.0001 U | < 0.009 U | 2.4 | < 0.0009 U | < 0.0027 U | 9.2 | | < 0.0018 U | 0.01 |
| | 10/7/2008 | | < 0.001 U | < 0.001 U | 0.0093 | < 0.002 U | 22 | < 0.005 U | < 0.002 U | 0.086 B | < 0.001 U | 26 | 0.016 B | < 0.0001 U | < 0.01 U | 2.4 | < 0.001 U | < 0.003 U | 8.6 | | < 0.002 U | 0.0076 |
| | 1/7/2009 | | < 0.001 U | < 0.001 U | 0.0092 | < 0.002 U | 24 | < 0.005 U | < 0.002 U | 0.063 | < 0.001 U | 25 | 0.02 B | < 0.0001 U | < 0.01 U | 2.5 | < 0.001 U | < 0.003 U | 8.4 | | < 0.002 U | 0.0088 |
| | 3/24/2009 | | < 0.001 U | < 0.001 U | 0.0082 | < 0.002 U | 21 | < 0.005 U | < 0.002 U | 0.06 | < 0.001 U | 26 | 0.013 | < 0.0001 U | < 0.01 U | 2.3 | < 0.001 U | < 0.003 U | 8.4 | | < 0.002 U | 0.0082 |
| | 7/16/2009 | | < 0.001 U | < 0.001 U | 0.00961 | < 0.002 U | 24.3 | < 0.005 U | < 0.002 U | 0.0559 | < 0.001 U | 28.3 | 0.0146 | < 0.0001 U | < 0.01 U | 2.85 | < 0.001 U | < 0.003 U | 9.18 | | < 0.002 U | 0.00523 |
| | 10/27/2009 | | < 0.001 U | 0.00101 | 0.00991 | < 0.002 U | 23.9 | < 0.005 U | < 0.002 U | 0.0715 | < 0.001 U | 31.3 | 0.00957 | < 0.0001 U | < 0.01 U | 2.74 | < 0.001 U | < 0.003 U | 10.3 | | < 0.002 U | 0.00461 |
| | 1/29/2010 | < 0.02 U | < 0.001 DU | < 0.001 U | 0.00976 D | < 0.002 U | 24 | < 0.005 DU | < 0.002 U | < 0.01 U | < 0.001 U | 28.9 D | < 0.001 U | | < 0.01 U | 2.64 D | < 0.001 U | < 0.003 U | 9.87 | < 0.01 U | < 0.002 DU | < 0.004 U |
| | 4/14/2010 | < 0.02 U | < 0.001 U | < 0.001 U | 0.0102 | < 0.002 U | 23.1 | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 26.6 | 0.00232 | | < 0.01 U | 2.32 | < 0.001 U | < 0.003 DU | 8.78 | < 0.01 U | < 0.002 U | 0.00612 |
| | 8/11/2010 | < 0.02 U | < 0.001 U | < 0.001 U | 0.00961 | < 0.002 U | 22.4 | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 27.8 | 0.00481 | | < 0.01 U | 2.6 | < 0.001 U | < 0.003 U | 10.1 | < 0.01 U | < 0.002 U | 0.0365 |
| | 11/5/2010 | < 0.02 DU | < 0.001 U | < 0.001 U | 0.00944 | < 0.002 U | 21.3 D | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 26.5 | 0.00227 D | | < 0.01 U | 2.48 | < 0.001 U | < 0.003 U | 9.74 | < 0.01 U | < 0.002 U | < 0.004 U |

| | | ALUMINUM | ANTIMONY | ARSENIC | BARIUM | CADMIUM | CALCIUM | CHROMIUM | COPPER | IRON | LEAD | MAGNESIUM | MANGANESE | MERCURY | NICKEL | POTASSIUM | SELENIUM | SILVER | SODIUM | TIN | VANADIUM | ZINC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Surface Water Quality Criteria (SWQC) | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| WA State | Acute | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None |
| | Chronic | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None |
| Federal | Acute | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None |
| | Chronic | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None |
| SW-S6 | 5/10/2007 | | < 0.001 U | < 0.001 U | 0.015 | < 0.002 U | 32 | < 0.005 U | < 0.002 U | 0.091 | < 0.001 U | 27 | 0.0027 | 0.000159 | < 0.01 U | 1.9 | < 0.001 U | < 0.003 U | 9.3 | | < 0.002 U | 0.018 |
| | 8/16/2007 | | < 0.001 U | < 0.001 U | 0.013 | < 0.002 U | 28 | < 0.005 U | < 0.002 U | 0.081 | < 0.001 U | 25 | 0.018 | < 0.0001 U | < 0.01 U | 1.9 | < 0.001 U | < 0.003 U | 8.7 | | < 0.002 U | 0.035 |
| | 11/1/2007 | | < 0.001 U | < 0.001 U | 0.014 | < 0.002 U | 26 | < 0.005 U | < 0.002 U | 0.33 B | < 0.001 U | 24 | 0.056 | < 0.00014 U | < 0.01 U | 1.6 | < 0.001 U | < 0.003 U | 8.7 | | < 0.002 U | 0.025 |
| | 12/18/2007 | | < 0.001 U | < 0.001 U | 0.015 | < 0.002 U | 27 | < 0.005 U | < 0.002 U | 0.51 | < 0.001 U | 25 | 0.089 | < 0.0001 U | < 0.01 U | 1.7 | < 0.001 U | < 0.003 U | 9.3 | | 0.0026 | 0.024 |
| | 3/13/2008 | | < 0.001 U | < 0.001 U | 0.011 | < 0.002 U | 26 | < 0.005 U | < 0.002 U | 0.067 | < 0.001 U | 24 | 0.0041 | < 0.0001 U | < 0.01 U | 1.7 | < 0.001 U | < 0.003 U | 8.7 | | < 0.002 U | 0.0065 |
| | 7/16/2008 | | < 0.0009 U | < 0.0009 U | 0.013 | < 0.0018 U | 26 | < 0.0045 U | < 0.0018 U | 0.13 | < 0.0009 U | 24 | 0.053 | < 0.0001 U | < 0.009 U | 1.9 | < 0.0009 U | < 0.0027 U | 9.3 | | < 0.0018 U | 0.021 |
| | 10/7/2008 | | < 0.001 U | < 0.001 U | 0.012 | < 0.002 U | 28 | < 0.005 U | < 0.002 U | 0.11 B | < 0.001 U | 26 | 0.0069 B | < 0.0001 U | < 0.01 U | 1.9 | < 0.001 U | < 0.003 U | 9.3 | | < 0.002 U | 0.014 |
| | 1/6/2009 | < 0.02 U | | 0.0015 | 0.0063 | < 0.002 U | 18 | | < 0.002 U | 0.057 | | 20 | 0.0058 B | < 0.0001 U | | 2.1 | | | 7.3 | | | |
| | 1/7/2009 | | < 0.001 U | < 0.001 U | 0.012 | < 0.002 U | 26 | < 0.005 U | < 0.002 U | 0.092 | < 0.001 U | 25 | 0.0027 B | < 0.0001 U | < 0.01 U | 1.9 | < 0.001 U | < 0.003 U | 8.1 | | < 0.002 U | 0.019 |
| | 3/24/2009 | | < 0.001 U | < 0.001 U | 0.013 | < 0.002 U | 27 | < 0.005 U | < 0.002 U | 0.084 | < 0.001 U | 29 | 0.0034 | < 0.0001 U | < 0.01 U | 1.9 | < 0.001 U | < 0.003 U | 9.6 | | < 0.002 U | < 0.004 U |
| | 7/16/2009 | | < 0.001 U | < 0.001 U | 0.0141 | < 0.002 U | 31.4 | < 0.005 U | < 0.002 U | 0.023 T | < 0.001 U | 29.4 | 0.00383 | < 0.0001 U | < 0.01 U | 2.51 | < 0.001 U | < 0.003 U | 10.2 | | < 0.002 U | 0.0134 |
| | 10/27/2009 | | < 0.001 U | < 0.001 U | 0.0146 | < 0.002 U | 32.3 | < 0.005 U | < 0.002 U | 0.012 T | < 0.001 U | 34.2 | 0.00291 | < 0.0001 U | < 0.01 U | 2.3 | < 0.001 U | < 0.003 U | 11.4 | | < 0.002 U | 0.0069 |
| | 1/29/2010 | < 0.02 U | < 0.001 DU | < 0.001 U | 0.0131 D | < 0.002 U | 30.7 | < 0.005 DU | < 0.002 U | 0.011 T | < 0.001 U | 29.9 D | 0.00311 | | < 0.01 U | 2.22 D | < 0.001 U | < 0.003 U | 10.2 | < 0.01 U | < 0.002 DU | 0.00914 |
| | 4/14/2010 | < 0.02 U | < 0.001 U | < 0.001 U | 0.0151 | < 0.002 U | 31 | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 30.1 | 0.00685 | | < 0.01 U | 2.16 | < 0.001 U | < 0.003 DU | 10.1 | < 0.01 U | < 0.002 U | 0.0744 |
| | 8/11/2010 | < 0.02 U | < 0.001 U | < 0.001 U | 0.014 | < 0.002 U | 30.3 | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 31.1 | 0.00268 | | < 0.01 U | 2.27 | < 0.001 U | < 0.003 U | 11.1 | < 0.01 U | < 0.002 U | 0.00775 |
| | 11/5/2010 | < 0.02 DU | < 0.001 U | < 0.001 U | 0.0142 | < 0.002 U | 29.4 D | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 29.7 | 0.00231 D | | < 0.01 U | 2.22 | < 0.001 U | < 0.003 U | 10.3 | < 0.01 U | < 0.002 U | 0.011 |
| SW-14E | 5/9/2007 | 0.044 | | 0.0023 | 0.0022 | < 0.002 U | 37 | | < 0.002 U | 0.15 | | 30 | 0.087 | < 0.0001 U | | 2.5 | | | 10 | | | |
| SW-W1 | 3/28/2007 | < 0.02 U | < 0.001 U | 0.0014 | < 0.001 U | < 0.002 U | 16 | < 0.005 U | < 0.002 U | 0.18 B | < 0.001 U | 12 | 0.067 | < 0.0001 U | < 0.01 U | 0.88 | < 0.001 U | < 0.003 U | 6.4 | < 0.01 U | < 0.002 U | 0.036 |
| | 5/9/2007 | < 0.02 U | < 0.001 U | 0.0013 | < 0.001 U | < 0.002 U | 18 | < 0.005 U | < 0.002 U | 0.12 | < 0.001 U | 13 | 0.13 | < 0.0001 U | < 0.01 U | 0.91 | < 0.001 U | < 0.003 U | 7.1 | < 0.01 U | < 0.002 U | < 0.004 U |
| | 8/14/2007 | < 0.02 U | < 0.001 U | 0.0015 | < 0.001 U | < 0.002 U | 17 | < 0.005 U | < 0.002 U | 0.1 B | < 0.001 U | 13 | 0.29 | < 0.0001 U | < 0.01 U | 0.89 | < 0.001 U | < 0.003 U | 6.7 | < 0.01 U | < 0.002 U | 0.0045 |
| | 11/1/2007 | < 0.02 U | < 0.001 U | 0.0016 | < 0.001 U | < 0.002 U | 17 | < 0.005 U | < 0.002 U | 0.12 B | < 0.001 U | 14 | 0.14 | < 0.00014 U | < 0.01 U | 0.84 | < 0.001 U | < 0.003 U | 6.7 | < 0.01 U | < 0.002 U | < 0.004 U |
| | 3/12/2008 | < 0.02 U | < 0.001 U | 0.0013 | < 0.001 U | < 0.002 U | 17 | < 0.005 U | < 0.002 U | 0.17 B | < 0.001 U | 12 | 0.27 | < 0.0001 U | < 0.01 U | 0.93 | < 0.001 U | < 0.003 U | 6.8 | < 0.01 U | < 0.002 U | < 0.004 U |
| | 7/15/2008 | < 0.018 U | < 0.0009 U | 0.0012 | < 0.0009 U | < 0.0018 U | 17 | < 0.0045 U | < 0.0018 U | 0.095 | < 0.0009 U | 14 | 0.12 | < 0.0001 U | < 0.009 U | 1.1 | < 0.0009 U | < 0.0027 U | 6.9 | < 0.009 U | < 0.0018 U | 0.0088 |
| | 10/6/2008 | < 0.02 U | < 0.001 U | 0.0015 | < 0.001 U | < 0.002 U | 19 | < 0.005 U | < 0.002 U | 0.11 B | < 0.001 U | 16 | 0.51 | < 0.0001 U | < 0.01 U | 1.3 | < 0.001 U | < 0.003 U | 7.6 | < 0.01 U | < 0.002 U | < 0.004 U |
| | 3/26/2009 | < 0.02 U | < 0.001 U | 0.0037 | 0.0011 | < 0.002 U | 18 | < 0.005 U | < 0.002 U | 0.74 B | < 0.001 U | 16 B | 0.53 | < 0.0001 U | < 0.01 U | < 0.3 U | < 0.001 U | < 0.003 U | 8 | < 0.01 U | < 0.002 U | < 0.004 U |
| | 7/13/2009 | < 0.02 U | < 0.001 U | 0.00692 | 0.00193 | < 0.002 U | 18.3 | < 0.005 U | < 0.002 U | 0.945 | < 0.001 U | 14.6 | 1.27 | < 0.0001 U | < 0.01 U | 1.44 | < 0.001 U | < 0.003 DU | 7.84 | < 0.01 U | < 0.002 U | < 0.004 U |
| | 10/20/2009 | < 0.02 DU | < 0.001 U | 0.0086 | 0.00331 | < 0.002 U | 16.7 | < 0.005 U | < 0.002 U | 1.43 | < 0.001 U | 13 | 3.18 D | < 0.0001 U | < 0.01 U | 1.28 | < 0.001 U | < 0.003 DU | 7.41 D | < 0.01 U | < 0.002 U | < 0.004 DU |
| | 1/21/2010 | < 0.02 U | < 0.001 DU | 0.00243 | < 0.001 DU | < 0.002 U | 14.9 | < 0.005 DU | < 0.002 U | 0.23 | < 0.001 U | 12.4 D | 0.398 | | < 0.01 U | 1.18 D | < 0.001 U | < 0.003 U | 6.67 | < 0.01 U | < 0.002 DU | 0.00503 |
| | 4/19/2010 | < 0.02 U | < 0.001 U | 0.00251 | < 0.001 U | < 0.002 U | 14.9 | < 0.005 U | < 0.002 U | 0.31 | < 0.001 U | 14.3 | 0.375 | | < 0.01 U | 1.11 | < 0.001 U | < 0.003 DU | 7.31 | < 0.01 U | < 0.002 U | < 0.004 DU |
| | 8/16/2010 | < 0.02 U | < 0.001 U | 0.00835 | 0.00232 | < 0.002 U | 16.6 | < 0.005 U | < 0.002 U | 1.01 | < 0.001 U | 14.7 | 1.41 | | < 0.01 U | 1.4 | < 0.001 U | < 0.003 U | 8.04 | < 0.01 U | < 0.002 U | < 0.004 U |
| | 11/9/2010 | < 0.02 DHU | < 0.001 HU | 0.00206 H | < 0.001 HU | < 0.002 HU | 13.6 DH | < 0.005 HU | < 0.002 HU | 0.121 H | < 0.001 HU | 13.4 H | 0.194 DH | | < 0.01 HU | 1.23 H | < 0.001 HU | < 0.003 HU | 6.48 H | < 0.01 HU | < 0.002 HU | < 0.004 HU |
| SW-W2 | 3/28/2007 | < 0.02 U | < 0.001 U | 0.0019 | 0.0039 | < 0.002 U | 58 | < 0.005 U | 0.0021 | 0.27 B | < 0.001 U | 50 | 0.16 | < 0.0001 U | < 0.01 U | 2.9 | 0.0035 | < 0.003 U | 14 | < 0.01 U | < 0.002 U | 0.009 |
| | 5/9/2007 | < 0.02 U | < 0.001 U | 0.0023 | 0.0052 | < 0.002 U | 68 | < 0.005 U | < 0.002 U | 0.22 | < 0.001 U | 56 | 0.27 | < 0.0001 U | < 0.01 U | 3.4 | 0.0038 | < 0.003 U | 16 | < 0.01 U | < 0.002 U | 0.0077 |
| | 8/14/2007 | < 0.02 U | < 0.001 U | 0.0023 | 0.0049 | < 0.002 U | 63 | < 0.005 U | < 0.002 U | 0.23 B | < 0.001 U | 56 | 0.24 | < 0.0001 U | < 0.01 U | 3.2 | 0.0035 | < 0.003 U | 15 | < 0.01 U | < 0.002 U | 0.0045 |
| | 10/30/2007 | < 0.02 U | < 0.001 U | 0.0023 | 0.0045 | < 0.002 U | 63 | < 0.005 U | < 0.002 U | 0.48 B | < 0.001 U | 54 | 0.25 | < 0.00014 U | < 0.01 U | 3 | 0.0045 | < 0.003 U | 15 | < 0.01 U | < 0.002 U | < 0.004 U |
| | 12/18/2007 | < 0.02 U | | 0.0022 | 0.0043 | < 0.002 U | 59 | | < 0.002 U | 0.33 | | 49 | 0.19 | < 0.0001 U | | 2.9 | | | 14 | | | |
| | 3/12/2008 | < 0.02 U | < 0.001 U | 0.0019 | 0.0049 | < 0.002 U | 63 | < 0.005 U | < 0.002 U | 0.23 B | < 0.001 U | 51 | 0.18 | < 0.0001 U | < 0.01 U | 4 | 0.0022 | < 0.003 U | 15 | < 0.01 U | < 0.002 U | < 0.004 U |
| | 7/15/2008 | < 0.018 U | < 0.0009 U | 0.0013 | 0.0044 | < 0.0018 U | 60 | < 0.0045 U | < 0.0018 U | 0.33 | < 0.0009 U | 53 | 0.13 | < 0.0001 U | < 0.009 U | 3 | < 0.0009 U | < 0.0027 U | 14 | < 0.009 U | < 0.0018 U | 0.0038 |
| | 10/6/2008 | < 0.02 U | < 0.001 U | 0.0014 | 0.0042 | < 0.002 U | 67 | < 0.005 U | < 0.002 U | 0.24 B | < 0.001 U | 60 | 0.21 | < 0.0001 U | < 0.01 U | 3.3 | 0.0013 | < 0.003 U | 17 | < 0.01 U | < 0.002 U | < 0.004 U |
| | 1/6/2009 | < 0.02 U | < 0.001 U | < 0.001 U | 0.0033 | < 0.002 U | 56 | < 0.005 U | < 0.002 U | 0.16 | < 0.001 U | 46 | 0.084 | < 0.0001 U | < 0.01 U | 3 | < 0.001 U | < 0.003 U | 13 | < 0.01 U | < 0.002 U | < 0.004 U |
| | 3/26/2009 | < 0.02 U | < 0.001 U | < 0.001 U | 0.0032 | < 0.002 U | 65 | < 0.005 U | < 0.002 U | 0.25 B | < 0.001 U | 57 B | 0.041 | < 0.0001 U | < 0.01 U | 1.2 | < 0.001 U | < 0.003 U | 16 | < 0.01 U | < 0.002 U | < 0.004 U |
| | 7/13/2009 | < 0.02 U | < 0.001 U | 0.00149 | 0.00376 | < 0.002 U | 66.5 D | < 0.005 U | < 0.002 U | 0.014 T | < 0.001 U | 59.1 D | 0.0646 | < 0.0001 U | < 0.01 U | 4.05 | < 0.001 U | < 0.003 U | 17.1 | < 0.01 U | < 0.002 U | < 0.004 U |
| | 10/20/2009 | < 0.02 DU | < 0.001 U | 0.00128 | 0.00324 | < 0.002 U | 67.4 D | < 0.005 U | < 0.002 U | 0.043 T | < 0.001 U | 60.9 D | 0.0651 D | < 0.0001 U | < 0.01 U | 3.43 | < 0.001 U | < 0.003 DU | 16.8 D | < 0.01 U | < 0.002 U | < 0.004 DU |
| | 1/21/2010 | < 0.02 U | < 0.001 DU | 0.00111 | 0.00283 D | < 0.002 U | 64.3 D | < 0.005 DU | < 0.002 U | 0.016 T | < 0.001 U | 54.6 D | 0.0365 | | < 0.01 U | 2.97 D | < 0.001 U | < 0.003 U | 16.1 | < 0.01 U | < 0.002 DU | < 0.004 U |
| | 4/19/2010 | < 0.02 U | < 0.001 U | 0.00117 | 0.00312 | < 0.002 U | 57.9 | < 0.005 U | < 0.002 U | 0.012 T | < 0.001 U | 58.3 | 0.0195 | | < 0.01 U | 3.33 | < 0.001 U | < 0.003 DU | 16.8 | < 0.01 U | < 0.002 U | < 0.004 DU |
| | 8/16/2010 | < 0.02 U | < 0.001 U | 0.0015 | 0.00383 | < 0.002 U | 60.6 | < 0.005 U | < 0.002 U | 0.018 T | < 0.001 U | 65.1 | 0.0593 | | < 0.01 U | 3.75 | < 0.001 U | < 0.003 U | 18.8 | < 0.01 U | < 0.002 U | < 0.004 U |
| | 8/16/2010 | < 0.02 U | < 0.001 U | 0.00153 | 0.00392 | < 0.002 U | 61.4 | < 0.005 U | 0.00201 | 0.039 T | < 0.001 U | 63.6 | 0.0626 | | < 0.01 U | 3.79 | < 0.001 U | < 0.003 U | 18.8 | < 0.01 U | < 0.002 U | < 0.004 U |
| | 11/9/2010 | < 0.02 DU | < 0.001 U | 0.00147 | 0.00269 | < 0.002 U | 55 D | < 0.005 U | < 0.002 U | 0.0545 | < 0.001 U | 44.4 | 0.0625 D | | < 0.01 U | 3.31 | < 0.001 U | < 0.003 U | 13.1 | < 0.01 U | < 0.002 U | < 0.004 U |
| SW-W3 | 3/28/2007 | < 0.02 U | < 0.001 U | 0.0022 | 0.0039 | < 0.002 U | 27 | < 0.005 U | 0.0031 | 0.16 B | < 0.001 U | 21 | 0.18 | < 0.0001 U | < 0.01 U | 1.8 | < 0.001 U | < 0.003 U | 8.5 | < 0.01 U | < 0.002 U | 0.011 |
| | 5/9/2007 | < 0.02 U | < 0.001 U | 0.0024 | 0.0047 | < 0.002 U | 30 | < 0.005 U | < 0.002 U | 0.11 | < 0.001 U | 23 | 0.27 | < 0.0001 U | < 0.01 U | 2 | < 0.001 U | < 0.003 U | 9.2 | < 0.01 U | < 0.002 U | < 0.004 U |
| | 8/14/2007 | 0.026 | < 0.001 U | 0.0026 | 0.0055 | < 0.002 U | 33 | < 0.005 U | < 0.002 U | 0.11 B | < 0.001 U | 23 | 0.36 | < 0.0001 U | < 0.01 U | 2.1 | < 0.001 U | < 0.003 U | 9 | < 0.01 U | < 0.002 U | 0.0042 |
| | 10/30/2007 | < 0.02 U | < 0.001 U | 0.0026 | 0.0046 | < 0.002 U | 28 | < 0.005 U | < 0.002 U | 0.16 B | < 0.001 U | 22 | 0.34 | 0.000586 D | < 0.01 U | 2 | 0.0013 | < 0.003 U | 8.8 | < 0.01 U | < 0.002 U | < 0.004 U |
| | 12/18/2007 | < 0.02 U | | 0.0024 | 0.0062 | < 0.002 U | 26 | | < 0.002 U | 0.18 | | 20 | 0.35 | < 0.0001 U | | 1.8 | | | 8.4 | | | |
| | 3/12/2008 | < 0.02 U | < 0.001 U | 0.0022 | 0.0051 | < 0.002 U | 27 | < 0.005 U | < 0.002 U | 0.13 B | < 0.001 U | 19 | 0.31 | < 0.0001 U | < 0.01 U | 1.9 | < 0.001 U | < 0.003 U | 8.6 | < 0.01 U | < 0.002 U | < 0.004 U |
| | 7/15/2008 | < 0.018 U | < 0.0009 U | 0.0023 | 0.0054 | < 0.0018 U | 28 | < 0.0045 U | < 0.0018 U | 0.15 | < 0.0009 U | 23 | 0.31 | < 0.0001 U | < 0.009 U | 2.1 | < 0.0009 U | < 0.0027 U | 8.4 | < 0.009 U | < 0.0018 U | 0.0038 |
| | 10/6/2008 | < 0.02 U | < 0.001 U | 0.0022 | 0.0051 | < 0.002 U | 31 | < 0.005 U | < 0.002 U | 0.13 B | < 0.001 U | 25 | 0.34 | < 0.0001 U | < 0.01 U | 2.7 | < 0.001 U | < 0.003 U | 10 | < 0.01 U | < 0.002 U | < 0.004 U |
| | 1/6/2009 | < 0.02 U | < 0.001 U | 0.0017 | 0.004 | < 0.002 U | 24 | < 0.005 U | < 0.002 U | 0.14 | < 0.001 U | 19 | 0.25 | 0.000782 | < 0.01 U | 2.8 | < 0.001 U | < 0.003 U | 7.9 | < 0.01 U | < 0.002 U | < 0.004 U |
| | 3/26/2009 | < 0.02 U | < 0.001 U | 0.0022 | 0.0046 | < 0.002 U | 29 | < 0.005 U | < 0.002 U | 0.13 B | < 0.001 U | 24 B | 0.24 | < 0.0001 U | < 0.01 U | < 0.3 U | < 0.001 U | < 0.003 U | 10 | < 0.01 U | < 0.002 U | < 0.004 U |
| | 7/13/2009 | < 0.02 U | < 0.001 U | 0.0027 | 0.00401 | < 0.002 U | 29.3 | < 0.005 U | < 0.002 U | 0.018 T | < 0.001 U | 24.4 | 0.238 | < 0.0001 U | < 0.01 U | 2.58 | < 0.001 U | < 0.003 U | 10.1 | < 0.01 U | < 0.002 U | < 0.004 U |
| | 10/20/2009 | < 0.02 DU | < 0.001 U | 0.00234 | 0.00427 | < 0.002 U | 25.5 | < 0.005 U | < 0.002 U | 0.029 T | < 0.001 U | 23.1 | 0.31 D | < 0.0001 U | < 0.01 U | 2.36 | < 0.001 U | < 0.003 DU | 10.2 D | < 0.01 U | < 0.002 U | < 0.004 DU |
| | 10/20/2009 | < 0.02 DU | < 0.001 U | 0.00236 | 0.00417 | < 0.002 U | 25.3 | < 0.005 U | < 0.002 U | 0.029 T | < 0.001 U | 23.3 | 0.304 D | < 0.0001 U | < 0.01 U | 2.39 | < 0.001 U | < 0.003 DU | 10.1 D | < 0.01 U | < 0.002 U | < 0.004 DU |
| | 1/21/2010 | < 0.02 U | < 0.001 DU | 0.0021 | 0.0037 D | < 0.002 U | 25 | < 0.005 DU | < 0.002 U | 0.049 T | < 0.001 U | 21.5 D | 0.216 | | < 0.01 U | 2.05 D | < 0.001 U | < 0.003 U | 8.94 | < 0.01 U | < 0.002 DU | < 0.004 U |

Vashon Closed Landfill Western Hillslope Investigation

| | | ALUMINUM | ANTIMONY | ARSENIC | BARIUM | CADMIUM | CALCIUM | CHROMIUM | COPPER | IRON | LEAD | MAGNESIUM | MANGANESE | MERCURY | NICKEL | POTASSIUM | SELENIUM | SILVER | SODIUM | TIN | VANADIUM | ZINC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Surface Water Quality Criteria (SWQC) | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| WA State | Acute | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None |
| | Chronic | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None |
| Federal | Acute | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None |
| | Chronic | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None |
| SW-W3 (cont.) | 4/19/2010 | < 0.02 U | < 0.001 U | 0.00212 | 0.00373 | < 0.002 U | 24.3 | < 0.005 U | < 0.002 U | 0.028 T | < 0.001 U | 22.7 | 0.202 | | < 0.01 U | 2.25 | < 0.001 U | < 0.003 DU | 9.5 | < 0.01 U | < 0.002 U | < 0.004 DU |
| | 8/16/2010 | < 0.02 U | < 0.001 U | 0.0027 | 0.00368 | < 0.002 U | 27.7 | < 0.005 U | 0.00215 | 0.025 T | < 0.001 U | 25.8 | 0.201 | | < 0.01 U | 2.57 | < 0.001 U | < 0.003 U | 11.1 | < 0.01 U | < 0.002 U | < 0.004 U |
| | 11/9/2010 | < 0.02 DU | < 0.001 U | 0.00262 | 0.00236 | < 0.002 U | 22.4 D | < 0.005 U | 0.00226 | 0.116 | < 0.001 U | 18.9 | 0.137 D | | < 0.01 U | 2.22 | < 0.001 U | < 0.003 U | 8.48 | < 0.01 U | < 0.002 U | < 0.004 U |
| SW-W4 | 5/10/2007 | < 0.02 U | | 0.0023 | 0.0058 | < 0.002 U | 17 | | < 0.002 U | 0.12 | | 16 | 0.087 | < 0.0001 U | | 2 | | | 5.9 | | | |
| | 8/14/2007 | < 0.02 U | | 0.0024 | 0.0049 | < 0.002 U | 16 | | < 0.002 U | 0.16 | | 16 | 0.064 | < 0.0001 U | | 1.8 | | | 6.1 | | | |
| | 10/31/2007 | < 0.02 U | | 0.0017 | 0.0053 | < 0.002 U | 17 | | < 0.002 U | 0.21 B | | 17 | 0.031 | < 0.00014 U | | 1.7 | | | 6.5 | | | |
| | 12/18/2007 | < 0.02 U | | 0.0014 | 0.0051 | < 0.002 U | 16 | | < 0.002 U | 0.14 | | 16 | 0.017 | < 0.0001 U | | 1.7 | | | 6.1 | | | |
| | 3/12/2008 | 0.044 | | 0.0012 | 0.0059 | < 0.002 U | 16 | | < 0.002 U | 0.092 | | 17 | 0.017 | < 0.0001 U | | 1.7 | | | 6.3 | | | |
| SW-W5 | 5/10/2007 | < 0.02 U | | 0.0015 | 0.0035 | < 0.002 U | 18 | | < 0.002 U | 0.064 | | 17 | 0.0098 | < 0.0001 U | | 2 | | | 6.6 | | | |
| | 8/14/2007 | < 0.02 U | | 0.0019 | 0.0036 | < 0.002 U | 18 | | < 0.002 U | 0.075 | | 17 | 0.018 | < 0.0001 U | | 2 | | | 6.8 | | | |
| | 10/30/2007 | < 0.02 U | | 0.0016 | 0.0036 | < 0.002 U | 19 | | < 0.002 U | 0.077 | | 17 | 0.013 | < 0.00014 U | | 1.9 | | | 6.4 | | | |
| | 12/18/2007 | 0.031 | | 0.0016 | 0.0038 | < 0.002 U | 17 | | < 0.002 U | 0.22 | | 17 | 0.015 | < 0.0001 U | | 2 | | | 6.5 | | | |
| | 3/12/2008 | < 0.02 U | | 0.0014 | 0.0032 | < 0.002 U | 19 | | < 0.002 U | 0.14 | | 19 | 0.011 | < 0.0001 U | | 2 | | | 7.3 | | | |
| | 7/15/2008 | < 0.018 U | | 0.0015 | 0.0034 | < 0.0018 U | 19 | | < 0.0018 U | 0.081 | | 18 | 0.013 | < 0.0001 U | | 2 | | | 7.4 | | | |
| | 10/6/2008 | < 0.02 U | | 0.0013 | 0.012 | < 0.002 U | 21 | | < 0.002 U | 0.069 B | | 20 | 0.021 B | < 0.0001 U | | 2.2 | | | 7.6 | | | |
| | 1/6/2009 | < 0.02 U | | 0.0013 | 0.0034 | < 0.002 U | 20 | | < 0.002 U | 0.067 | | 19 | 0.0087 B | < 0.0001 U | | 2.3 | | | 7.1 | | | |
| | 3/23/2009 | < 0.02 U | | < 0.001 U | 0.0029 | < 0.002 U | 17 | | < 0.002 U | 0.08 | | 17 | 0.0062 | < 0.0001 U | | 1.9 | | | 6.8 | | | |
| | 7/10/2009 | < 0.02 U | | 0.00168 | 0.00311 | < 0.002 U | 18.8 | | < 0.002 U | < 0.01 U | | 19.8 | 0.0114 | < 0.0001 U | | 2.33 | | | 7.79 | | | |
| | 10/19/2009 | < 0.02 U | | 0.00155 | 0.00307 | < 0.002 U | 19 | | < 0.002 U | 0.011 T | | 16.5 | 0.0117 | < 0.0001 U | | 2.18 | | | 7.09 | | | |
| | 1/22/2010 | < 0.02 U | | 0.00141 | 0.0028 | < 0.002 U | 17.8 | | < 0.002 U | 0.012 T | | 19.7 | 0.00698 | | | 2.14 | | | 7.61 | | | |
| | 4/19/2010 | < 0.02 U | | 0.00149 | 0.00313 | < 0.002 U | 17 | | < 0.002 U | 0.011 T | | 17 | 0.00684 | | | 2.01 | | | 6.6 | | | |
| | 8/12/2010 | < 0.02 U | | 0.00166 | 0.00315 | < 0.002 U | 18.2 | | < 0.002 U | < 0.01 U | | 19.8 | 0.0111 | | | 2.23 | | | 7.93 | | | |
| | 11/1/2010 | 0.0294 | | 0.00157 | 0.00389 | < 0.002 U | 15.8 | | < 0.002 U | 0.122 | | 15.6 | 0.0173 | | | 2.54 | | | 6.09 | | | |
| SW-W6 | 5/10/2007 | < 0.02 U | | 0.0017 | 0.0073 | < 0.002 U | 19 | | < 0.002 U | 0.063 | | 20 | 0.013 | < 0.0001 U | | 2.1 | | | 7.5 | | | |
| | 8/14/2007 | < 0.02 U | | 0.0021 | 0.0069 | < 0.002 U | 17 | | < 0.002 U | 0.077 | | 18 | 0.012 | < 0.0001 U | | 2 | | | 7.1 | | | |
| | 11/1/2007 | < 0.02 U | | 0.0017 | 0.0068 | < 0.002 U | 18 | | < 0.002 U | 0.092 B | | 19 | 0.015 | < 0.00014 U | | 2 | | | 7.6 | | | |
| | 12/18/2007 | < 0.02 U | | 0.0017 | 0.0064 | < 0.002 U | 17 | | < 0.002 U | 0.11 | | 19 | 0.0072 | < 0.0001 U | | 2.1 | | | 7.1 | | | |
| | 3/12/2008 | < 0.02 U | | 0.0015 | 0.0065 | < 0.002 U | 19 | | < 0.002 U | 0.087 | | 19 | 0.006 | < 0.0001 U | | 1.8 | | | 7.4 | | | |
| | 7/15/2008 | < 0.018 U | | 0.0018 | 0.0075 | < 0.0018 U | 20 | | < 0.0018 U | 0.08 | | 21 | 0.0071 | < 0.0001 U | | 2.1 | | | 8.3 | | | |
| | 10/6/2008 | < 0.02 U | | 0.0019 | 0.0083 | < 0.002 U | 20 | | < 0.002 U | 0.069 B | | 21 | 0.01 B | < 0.0001 U | | 2.1 | | | 8.2 | | | |
| | 3/24/2009 | 0.12 | | 0.0044 | 0.011 | < 0.002 U | 18 | | < 0.002 U | 0.3 | | 19 | 0.16 | < 0.0001 U | | 1.7 | | | 6.9 | | | |
| | 7/10/2009 | < 0.02 U | | 0.00237 | 0.00721 | < 0.002 U | 19.8 | | < 0.002 U | < 0.01 U | | 22.5 | 0.00844 | < 0.0001 U | | 2.37 | | | 8.56 | | | |
| | 10/19/2009 | < 0.02 U | | 0.00209 | 0.00609 | < 0.002 U | 18.4 | | < 0.002 U | < 0.01 U | | 17.3 | 0.00774 | < 0.0001 U | | 2.42 | | | 7.39 | | | |
| | 1/22/2010 | < 0.02 U | | 0.00165 | 0.00586 | < 0.002 U | 17 | | < 0.002 U | < 0.01 U | | 20.5 | 0.00266 | | | 2.1 | | | 7.69 | | | |
| | 4/19/2010 | < 0.02 U | | 0.00183 | 0.00725 | < 0.002 U | 17.8 | | < 0.002 U | < 0.01 U | | 18.8 | 0.00302 | | | 2.1 | | | 7.19 | | | |
| | 8/12/2010 | < 0.02 U | | 0.00246 | 0.00648 | < 0.002 U | 18.6 | | < 0.002 U | < 0.01 U | | 21.2 | 0.00707 | | | 2.22 | | | 8.61 | | | |
| | 11/1/2010 | 0.0439 | | 0.00242 | 0.00633 | < 0.002 U | 13.7 | | < 0.002 U | 0.106 | | 14.6 | 0.0138 | | | 3.14 | | | 5.82 | | | |
| SW-W7 | 5/10/2007 | < 0.02 U | | 0.0012 | 0.0068 | < 0.002 U | 19 | | < 0.002 U | 0.063 | | 18 | 0.0019 | < 0.0001 U | | 1.8 | | | 7.4 | | | |
| | 8/14/2007 | < 0.02 U | | 0.0014 | 0.0068 | < 0.002 U | 18 | | < 0.002 U | 0.071 | | 18 | 0.0035 | < 0.0001 U | | 1.8 | | | 7.6 | | | |
| | 11/1/2007 | < 0.02 U | | 0.0012 | 0.0066 | < 0.002 U | 19 | | < 0.002 U | 0.19 B | | 19 | 0.0033 | < 0.00014 U | | 1.8 | | | 7.6 | | | |
| | 12/18/2007 | 0.062 | | 0.0012 | 0.0065 | < 0.002 U | 18 | | < 0.002 U | 0.1 | | 18 | 0.0027 | < 0.0001 U | | 1.8 | | | 7.5 | | | |
| | 3/12/2008 | < 0.02 U | | 0.0011 | 0.0065 | < 0.002 U | 20 | | < 0.002 U | 0.076 | | 20 | 0.002 | < 0.0001 U | | 1.9 | | | 7.9 | | | |

| | | ALUMINUM | ANTIMONY | ARSENIC | BARIUM | CADMIUM | CALCIUM | CHROMIUM | COPPER | IRON | LEAD | MAGNESIUM | MANGANESE | MERCURY | NICKEL | POTASSIUM | SELENIUM | SILVER | SODIUM | TIN | VANADIUM | ZINC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Federal Drinking Water Standards | | 0.05 - 0.2 | 0.006 | 0.01 | 2 | 0.005 | None | 0.1 | 1 | 0.3 | 0.015 | None | 0.05 | 0.002 | 0.1 | None | 0.05 | 0.1 Secondary | 20 | None | None | 5 |
| Groundwater Quality Criteria | | 0.05 - 0.2 | 0.006 | 0.00005 | 1 | 0.005 | None | 0.05 | 1 | 0.3 | 0.015 | None | 0.05 | 0.002 | 0.1 | None | 0.01 | 0.05 | 20 | None | None | 5 |
| MW-2 | 2/17/2000 | < 0.020 U | < 0.001 U | 0.001 J | 0.008 | < 0.002 U | 21 | < 0.005 U | < 0.002 U | 0.016 | < 0.001 U | 22 | 0.064 | < 0.0001 U | < 0.010 U | 2 | < 0.001 U | < 0.003 U | 8.3 | < 0.010 U | 0.004 | < 0.004 U |
| | 5/11/2000 | < 0.020 U | < 0.001 U | 0.001 J | 0.008 | < 0.002 U | 22 | < 0.005 U | < 0.002 U | 0.044 | < 0.001 U | 22 | 0.067 | < 0.0001 U | < 0.010 U | 2 | < 0.001 U | < 0.003 U | 8.5 | < 0.010 U | 0.004 | < 0.004 U |
| | 8/22/2000 | 0.2 | < 0.001 U | 0.001 J | 0.012 | < 0.002 U | 16 | < 0.005 U | < 0.002 U | 0.084 | < 0.001 U | 19 | 0.076 | < 0.0001 U | < 0.010 U | 2.1 | < 0.001 U | < 0.003 U | 8.6 | < 0.010 U | 0.004 | < 0.004 U |
| | 11/17/2000 | 0.082 | < 0.001 U | < 0.001 U | 0.009 | < 0.002 U | 16 | < 0.005 U | < 0.002 U | 0.047 | < 0.001 U | 19 | 0.073 | < 0.0001 U | < 0.010 U | 2 | < 0.001 U | < 0.003 U | 7.8 | < 0.010 U | 0.003 | < 0.004 U |
| | 2/7/2001 | < 0.020 U | < 0.001 U | 0.001 J | 0.009 | < 0.002 U | 18 | < 0.005 U | < 0.002 U | 0.032 | < 0.001 U | 21 | 0.077 | < 0.0001 U | < 0.010 U | 2 | < 0.001 U | < 0.003 U | 6.4 | < 0.010 U | 0.003 | < 0.004 U |
| | 5/16/2001 | < 0.020 U | < 0.001 U | 0.001 J | 0.009 | < 0.002 U | 18 | < 0.005 U | < 0.002 U | 0.05 | < 0.001 U | 23 | 0.078 | < 0.0001 U | < 0.010 U | 2.1 | < 0.001 U | < 0.003 U | 8.7 | < 0.010 U | 0.003 | < 0.004 U |
| | 7/24/2001 | 0.02 | < 0.001 U | < 0.001 U | 0.012 B | < 0.002 U | 20 | < 0.005 U | < 0.002 U | 0.058 | < 0.001 U | 25 | 0.092 | < 0.0001 U | < 0.010 U | 2.3 | < 0.001 U | < 0.003 U | 9.8 | < 0.010 U | 0.003 | < 0.004 U |
| | 11/6/2001 | 0.051 | < 0.001 U | 0.001 J | 0.012 | < 0.002 U | 22 | < 0.005 U | < 0.002 U | 0.089 | < 0.001 U | 28 | 0.082 | < 0.0001 U | < 0.010 U | 2.4 | 0.002 J | < 0.003 U | 10 | < 0.010 U | 0.003 | 0.006 |
| | 2/13/2002 | < 0.020 U | < 0.001 U | 0.001 J | 0.013 | < 0.002 U | 23 | < 0.005 U | < 0.002 U | 0.077 B | < 0.001 U | 29 | 0.063 | < 0.0001 U | < 0.010 U | 2.4 | 0.001 J | < 0.003 U | 10 | < 0.010 U | 0.004 | < 0.004 U |
| | 4/30/2002 | < 0.020 U | < 0.001 U | 0.001 J | 0.012 | < 0.002 U | 25 | < 0.005 U | < 0.002 U | 0.12 | < 0.001 U | 32 | 0.074 | < 0.0001 U | < 0.010 U | 2.4 | < 0.001 U | < 0.003 U | 9.2 | < 0.010 U | 0.003 | < 0.004 U |
| | 8/16/2002 | 0.061 M | < 0.001 U | 0.001 J | 0.013 | < 0.002 U | 24 | < 0.005 U | < 0.002 U | 0.068 | < 0.001 U | 30 | 0.082 | < 0.0001 U | < 0.010 U | 2.5 | < 0.001 U | < 0.003 U | 11 | < 0.010 U | 0.004 | < 0.004 U |
| | 10/28/2002 | < 0.020 U | < 0.001 U | 0.001 J | 0.013 | < 0.002 U | 23 | < 0.005 U | < 0.002 U | 0.095 | < 0.001 U | 30 | 0.083 | < 0.0001 U | < 0.010 U | 2.4 | < 0.001 U | < 0.003 U | 9.6 | < 0.010 U | 0.004 | < 0.004 U |
| | 2/3/2003 | < 0.020 U | < 0.001 U | 0.001 J | 0.013 | < 0.002 U | 29 B | < 0.005 U | 0.008 | 0.088 | < 0.001 U | 35 | 0.09 | < 0.0001 U | < 0.010 U | 2.6 | < 0.001 U | < 0.003 U | 11 | < 0.010 U | 0.004 | 0.005 |
| | 5/2/2003 | < 0.02 U | < 0.001 U | 0.001 J | 0.012 | < 0.002 U | 32 | < 0.005 U | < 0.002 U | 0.13 | < 0.001 U | 37 | 0.088 | < 0.0001 U | < 0.01 U | 2.6 | < 0.001 U | < 0.003 U | 11 | < 0.01 U | 0.004 | < 0.004 U |
| | 7/24/2003 | < 0.020 U | < 0.001 U | 0.001 J | 0.012 | < 0.002 U | 26 B | < 0.005 U | < 0.002 U | 0.098 | < 0.001 U | 29 | 0.075 | < 0.0001 U | < 0.010 U | 2.1 | < 0.001 U | < 0.003 U | 8.8 | < 0.010 U | 0.003 | < 0.004 U |
| | 10/20/2003 | < 0.02 U | < 0.001 U | < 0.001 U | 0.011 | < 0.002 U | 27 | < 0.005 U | < 0.002 U | 0.14 | < 0.001 U | 33 | 0.065 | < 0.0001 U | < 0.01 U | 2.2 | < 0.001 U | < 0.003 U | 9.6 | < 0.01 U | 0.004 | < 0.004 U |
| | 2/9/2004 | < 0.020 U | < 0.001 U | 0.001 J | 0.013 | < 0.002 U | 31 | < 0.005 U | < 0.002 U | 0.091 | < 0.001 U | 36 | 0.07 | < 0.0001 U | < 0.010 U | 2.5 | < 0.001 U | < 0.003 U | 10 | < 0.010 U | 0.004 | < 0.004 U |
| | 4/30/2004 | < 0.020 U | < 0.001 U | 0.001 J | 0.013 | < 0.002 U | 30 | < 0.005 U | < 0.002 U | 0.11 | < 0.001 U | 33 | 0.071 | < 0.0001 U | < 0.010 U | 2.6 | < 0.001 U | < 0.003 U | 9.7 | < 0.010 U | 0.004 | < 0.004 U |
| | 8/13/2004 | < 0.020 U | < 0.001 U | 0.001 J | 0.013 | < 0.002 U | 30 B | < 0.005 U | < 0.002 U | 0.13 B | < 0.001 U | 35 | 0.091 | < 0.0001 U | < 0.010 U | 2.5 | < 0.001 U | < 0.003 U | 9.8 | < 0.010 U | 0.004 | 0.004 J |
| | 10/29/2004 | 0.021 | < 0.001 U | 0.001 J | 0.013 | < 0.002 U | 32 B | < 0.005 U | < 0.002 U | 0.16 | < 0.001 U | 36 | 0.092 B | < 0.0001 U | < 0.01 U | 2.6 | < 0.001 U | < 0.003 U | 10 | < 0.01 U | 0.004 | < 0.004 U |
| | 1/27/2005 | | < 0.001 U | < 0.001 U | 0.015 J | < 0.0020 U | 46 | < 0.0050 U | < 0.0020 U | 0.34 | < 0.0010 U | 50 | 0.099 | < 0.0001 U | 0.011 | 3.7 | 0.0019 J | < 0.0030 U | 14 | | 0.0052 | 0.0078 J |
| | 5/6/2005 | | < 0.001 U | < 0.001 U | 0.013 J | < 0.0020 U | 37 B | < 0.0050 U | < 0.0020 U | 0.11 BJ | < 0.0010 U | 41 | 0.091 | < 0.0001 U | < 0.010 U | 2.9 | < 0.010 U | < 0.0030 U | 11 | | 0.0041 | < 0.0040 U |
| | 7/29/2005 | | < 0.001 U | < 0.001 U | 0.013 J | < 0.0020 U | 35 BM | < 0.0050 U | < 0.0020 U | 0.024 BJ | < 0.0010 U | 40 M | 0.086 | < 0.0001 U | 0.01 | 2.6 | < 0.010 U | < 0.0030 U | 9.9 | | 0.0033 | < 0.0040 U |
| | 11/9/2005 | | < 0.001 U | 0.00107 | 0.0147 | < 0.002 U | 39 | < 0.005 U | < 0.002 U | 0.139 B | < 0.001 U | 41.9 | 0.104 | < 0.0001 U | 0.011 | 2.98 | < 0.001 U | < 0.003 U | 11.8 | | 0.00453 | < 0.004 U |
| | 1/30/2006 | | < 0.001 U | < 0.001 U | 0.015 | < 0.002 U | 38 D | < 0.005 U | < 0.002 U | 0.12 | < 0.001 U | 39 D | 0.081 | < 0.0001 U | < 0.01 U | 2.7 | < 0.001 U | < 0.003 U | 11 | | 0.0041 | < 0.004 U |
| | 5/3/2006 | | < 0.001 U | < 0.001 U | 0.015 | < 0.002 U | 37 D | < 0.005 U | < 0.002 U | 0.01 | 0.0011 | 40 D | 0.099 | | < 0.01 U | 2.7 | < 0.001 U | < 0.003 U | 11 | | 0.004 | < 0.004 U |
| | 8/10/2006 | | < 0.001 U | 0.0014 | 0.015 | < 0.002 U | 34 | < 0.005 U | < 0.002 UB | 0.17 | < 0.001 U | 36 | 0.11 B | < 0.0001 U | 0.011 | 2.5 | 0.0014 | < 0.003 U | 9.8 | | 0.0042 | < 0.004 U |
| | 11/1/2006 | | < 0.001 U | 0.0011 | 0.015 | < 0.002 U | 34 | < 0.005 U | < 0.002 U | 0.22 | < 0.001 U | 35 | 0.1 | < 0.0001 U | < 0.01 U | 2.5 | < 0.001 U | < 0.003 U | 9.8 | | 0.0041 | < 0.004 U |
| | 11/1/2006 | | < 0.001 U | 0.0011 | 0.014 | < 0.002 U | 34 | < 0.005 U | < 0.002 U | 0.16 | < 0.001 U | 35 | 0.1 | < 0.0001 U | < 0.01 U | 2.5 | < 0.001 U | < 0.003 U | 9.8 | | 0.0041 | < 0.004 U |
| | 1/30/2007 | | < 0.001 U | < 0.001 U | 0.014 | < 0.002 U | 32 | < 0.005 U | < 0.002 U | 0.15 | < 0.001 U | 33 | 0.098 | < 0.0001 U | < 0.01 U | 2.5 | < 0.001 U | < 0.003 U | 9.9 | | 0.0039 | < 0.004 U |
| | 4/30/2007 | | < 0.001 U | 0.001 | 0.015 | < 0.002 U | 34 | < 0.005 U | < 0.002 U | 0.14 | < 0.001 U | 35 | 0.1 | < 0.0001 U | 0.01 | 2.5 | < 0.001 U | < 0.003 U | 9.7 | | 0.005 | 0.0046 |
| | 4/30/2007 | | < 0.001 U | 0.0012 | 0.015 | < 0.002 U | 34 | < 0.005 U | < 0.002 U | 0.17 | < 0.001 U | 35 | 0.1 | < 0.0001 U | < 0.01 U | 2.5 | < 0.001 U | < 0.003 U | 9.9 | | 0.0043 | < 0.004 U |
| | 8/1/2007 | | < 0.001 U | < 0.001 U | 0.013 | < 0.002 U | 32 | < 0.005 U | < 0.002 U | 0.1 | < 0.001 U | 34 | 0.1 | < 0.0001 U | < 0.01 U | 2.4 | < 0.001 U | < 0.003 U | 9.2 | | 0.0038 | < 0.004 U |
| | 11/6/2007 | | < 0.001 U | < 0.001 U | 0.014 | < 0.002 U | 34 | < 0.005 U | < 0.002 U | 0.22 | < 0.001 U | 37 | 0.14 | < 0.00014 U | 0.011 | 2.4 | < 0.001 U | < 0.003 U | 10 | | 0.0053 | < 0.004 U |
| | 11/6/2007 | | < 0.001 U | < 0.001 U | 0.014 | < 0.002 U | 34 | < 0.005 U | < 0.002 U | 0.15 | < 0.001 U | 36 | 0.14 | < 0.00014 U | 0.011 | 2.4 | < 0.001 U | < 0.003 U | 9.5 | | 0.0052 | < 0.004 U |
| | 2/4/2008 | | < 0.001 U | < 0.001 U | 0.012 | < 0.002 U | 32 | < 0.005 U | < 0.002 U | 0.096 | < 0.001 U | 33 | 0.11 | < 0.0001 U | < 0.01 U | 2.2 | < 0.001 U | < 0.003 U | 9.2 | | 0.0045 | < 0.004 U |
| | 5/12/2008 | | < 0.001 U | < 0.001 U | 0.013 | < 0.002 U | 33 | < 0.005 U | < 0.002 U | 0.17 B | < 0.001 U | 35 | 0.11 | < 0.0001 U | < 0.01 U | 2.5 | < 0.001 U | < 0.003 U | 10 B | | 0.0042 | < 0.004 U |
| | 8/6/2008 | | < 0.0009 U | < 0.0009 U | 0.014 | < 0.0018 U | 32 | < 0.0045 U | < 0.0018 U | 0.12 | < 0.0009 U | 33 | 0.11 | < 0.0001 U | 0.01 | 2.3 | < 0.0009 U | < 0.0027 U | 9.5 | | 0.004 | 0.0039 |
| | 11/6/2008 | | < 0.001 U | 0.0015 | 0.0012 | < 0.002 U | 4.3 | < 0.005 U | < 0.002 U | 0.0059 | < 0.001 U | 3.9 | < 0.001 U | < 0.0001 U | < 0.01 U | 0.59 | < 0.001 U | < 0.003 U | 2.2 | | < 0.002 U | < 0.004 U |
| | 2/20/2009 | | < 0.001 U | 0.0012 | 0.014 | < 0.002 U | 35 | < 0.005 U | < 0.002 U | 0.14 B | < 0.001 U | 40 | 0.12 | < 0.0001 U | 0.01 | 2.6 | < 0.001 U | < 0.003 U | 11 | | 0.0041 | 0.011 |
| | 5/7/2009 | | < 0.001 U | < 0.001 U | 0.0132 | < 0.002 U | 30.8 | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 39.5 | 0.0912 | < 0.0001 U | < 0.01 U | 2.6 | < 0.001 U | < 0.003 U | 10.7 | | 0.0036 | < 0.004 U |
| | 8/3/2009 | | < 0.001 U | 0.00101 | 0.0136 | < 0.002 U | 33.8 | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 38.5 | 0.109 | < 0.0001 U | < 0.01 U | 2.73 | < 0.001 U | < 0.003 U | 10.6 | | 0.00392 | < 0.004 U |
| | 11/17/2009 | | < 0.001 U | 0.001 | 0.0139 D | < 0.002 DU | 33.2 | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 40.3 | 0.113 | < 0.0001 U | 0.0103 | 2.62 | < 0.001 U | < 0.003 DU | 11.2 | | 0.00388 | < 0.004 U |
| | 2/16/2010 | | < 0.001 U | 0.00103 | 0.0108 | < 0.002 U | 27 | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 30 D | 0.0858 | < 0.0001 U | 0.015 | 2.13 | < 0.001 U | < 0.003 U | 8.53 | | 0.00347 | < 0.004 U |
| | 4/30/2010 | | < 0.001 U | 0.00103 | 0.0126 | < 0.002 U | 30.4 | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 40.3 | 0.11 | < 0.0001 U | < 0.01 U | 2.49 | < 0.001 U | < 0.003 U | 11.2 | | 0.00391 | < 0.004 U |
| | 8/3/2010 | | < 0.001 U | 0.00106 | 0.0131 | < 0.002 U | 35.8 | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 40 | 0.113 | < 0.0001 U | < 0.01 U | 2.73 | < 0.001 U | < 0.003 U | 11.5 | | 0.00403 | < 0.004 U |
| | 11/5/2010 | | < 0.001 U | < 0.001 U | 0.0126 | < 0.002 U | 28.9 D | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 34.7 | 0.0894 D | < 0.0001 U | < 0.01 U | 2.49 | < 0.001 U | < 0.003 U | 10.2 | | 0.00387 | < 0.004 U |

Vashon Closed Landfill Western Hillslope Investigation

| | | ALUMINUM | ANTIMONY | ARSENIC | BARIUM | CADMIUM | CALCIUM | CHROMIUM | COPPER | IRON | LEAD | MAGNESIUM | MANGANESE | MERCURY | NICKEL | POTASSIUM | SELENIUM | SILVER | SODIUM | TIN | VANADIUM | ZINC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Federal Drinking Water Standards | | 0.05 - 0.2 | 0.006 | 0.01 | 2 | 0.005 | None | 0.1 | 1 | 0.3 | 0.015 | None | 0.05 | 0.002 | 0.1 | None | 0.05 | 0.1 Secondary | 20 | None | None | 5 |
| Groundwater Quality Criteria | | 0.05 - 0.2 | 0.006 | 0.00005 | 1 | 0.005 | None | 0.05 | 1 | 0.3 | 0.015 | None | 0.05 | 0.002 | 0.1 | None | 0.01 | 0.05 | 20 | None | None | 5 |
| MW-5D | 2/17/2000 | < 0.020 U | < 0.001 U | 0.13 | 0.028 | < 0.002 U | 51 | < 0.005 U | < 0.002 U | 19 | < 0.001 U | 34 | 1.4 | < 0.0001 U | < 0.010 U | 2.9 | 0.001 J | < 0.003 U | 15 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 5/5/2000 | < 0.020 U | < 0.001 U | 0.12 | 0.027 | < 0.002 U | 52 | < 0.005 U | < 0.002 U | 17 | < 0.001 U | 35 | 1.4 | < 0.0001 U | < 0.010 U | 2.9 | < 0.001 U | < 0.003 U | 15 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 8/18/2000 | < 0.020 U | < 0.001 U | 0.11 | 0.033 | < 0.002 U | 38 | < 0.005 U | < 0.002 U | 15 | < 0.001 U | 27 | 1.3 | < 0.0001 U | < 0.010 U | 2.9 | < 0.001 U | < 0.003 U | 14 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 11/9/2000 | 0.11 | 0.001 J | 0.094 | 0.035 | < 0.002 U | 46 | < 0.005 U | < 0.002 U | 16 | < 0.001 U | 35 | 1.5 | < 0.0001 U | < 0.010 U | 3 | 0.001 J | < 0.003 U | 15 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 1/31/2001 | < 0.020 U | < 0.001 U | 0.022 | 0.028 | < 0.002 U | 47 | < 0.005 U | < 0.002 U | 3.3 | < 0.001 U | 33 | 1.3 | < 0.0001 U | < 0.010 U | 2.7 | < 0.001 U | < 0.003 U | 13 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 5/16/2001 | 0.02 | < 0.001 U | 0.031 | 0.021 | < 0.002 U | 39 | < 0.005 U | < 0.002 U | 5.8 | < 0.001 U | 31 | 1 | < 0.0001 U | < 0.010 U | 2.7 | < 0.001 U | < 0.003 U | 14 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 7/27/2001 | < 0.020 U | < 0.001 U | 0.015 | 0.018 | < 0.002 U | 40 | < 0.005 U | < 0.002 U | 1.9 | < 0.001 U | 30 | 1.2 | < 0.0001 U | < 0.010 U | 3.1 | < 0.001 U | < 0.003 U | 14 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 11/7/2001 | < 0.020 U | < 0.001 U | 0.021 | 0.021 | < 0.002 U | 50 | < 0.005 U | < 0.002 U | 5.6 | < 0.001 U | 40 | 1.6 | < 0.0001 U | < 0.010 U | 3.3 | 0.002 J | < 0.003 U | 17 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 2/13/2002 | 0.13 | < 0.001 U | 0.014 | 0.026 | < 0.002 U | 57 | < 0.005 U | < 0.002 U | 5.7 B | < 0.001 U | 46 | 2.4 | < 0.0001 U | < 0.010 U | 3.4 | 0.002 J | < 0.003 U | 17 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 4/25/2002 | 0.18 | < 0.001 U | 0.035 | 0.017 | < 0.002 U | 51 | < 0.005 U | < 0.002 U | 8.5 B | < 0.001 U | 39 | 1.8 | < 0.0001 U | < 0.010 U | 3 | 0.001 J | < 0.003 U | 15 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 8/7/2002 | < 0.020 U | < 0.001 U | 0.079 | 0.015 | < 0.002 U | 55 B | < 0.005 U | < 0.002 U | 13 B | < 0.001 U | 38 | 2.2 M | < 0.0001 U | < 0.010 U | 3.5 | < 0.001 U | < 0.003 U | 17 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 11/5/2002 | < 0.020 UM | < 0.001 U | 0.11 | 0.019 | < 0.002 U | 46 M | < 0.005 U | < 0.002 U | 15 | < 0.001 U | 28 | 1.1 | < 0.0001 U | < 0.010 U | 2.8 | < 0.001 U | < 0.003 U | 14 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 11/5/2002 | 0.083 M | < 0.001 U | 0.11 | 0.02 | < 0.002 U | 47 M | < 0.005 U | < 0.002 U | 16 | < 0.001 U | 28 | 1.1 | 0.0001 | < 0.010 U | 2.8 | < 0.001 U | < 0.003 U | 14 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 1/28/2003 | 0.035 | < 0.001 U | 0.14 | 0.02 | < 0.002 U | 44 | < 0.005 U | < 0.002 U | 19 | < 0.001 U | 30 | 1.2 | < 0.0001 U | < 0.010 U | 2.8 | < 0.001 U | < 0.003 U | 14 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 5/5/2003 | < 0.02 U | < 0.001 U | 0.12 | 0.019 | < 0.002 U | 56 | < 0.005 U | < 0.002 U | 22 | < 0.001 U | 37 | 1.4 | < 0.0001 U | < 0.01 U | 3.5 | < 0.001 U | < 0.003 U | 16 | < 0.01 U | < 0.002 U | < 0.004 U |
| | 7/22/2003 | < 0.020 U | < 0.001 U | 0.11 | 0.018 | < 0.002 U | 45 B | < 0.005 U | < 0.002 U | 23 | < 0.001 U | 29 | 1.2 | < 0.0001 U | < 0.010 U | 2.8 | < 0.001 U | < 0.003 U | 13 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 10/17/2003 | < 0.02 U | < 0.001 U | 0.049 | 0.019 | < 0.002 U | 57 | < 0.005 U | 0.004 | 19 | < 0.001 U | 35 | 1.4 | < 0.0001 U | < 0.01 U | 3.2 | < 0.001 U | < 0.003 U | 15 | < 0.01 U | < 0.002 U | < 0.004 U |
| | 2/12/2004 | < 0.020 U | < 0.001 U | 0.12 | 0.018 | < 0.002 U | 51 | < 0.005 U | < 0.002 U | 21 | < 0.001 U | 34 | 1.3 | < 0.0001 U | < 0.010 U | 3.2 | < 0.001 U | < 0.003 U | 17 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 5/4/2004 | 0.039 | < 0.001 U | 0.11 | 0.020 B | < 0.002 U | 55 | < 0.005 U | < 0.002 U | 23 B | < 0.001 U | 35 | 1.4 | < 0.0001 U | < 0.010 U | 3.3 | 0.001 J | < 0.003 U | 16 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 6/1/2004 | < 0.020 U | < 0.001 U | 0.096 | 0.019 | < 0.002 U | 50 B | < 0.005 U | < 0.002 U | 20 | < 0.001 U | 35 | 1.3 | < 0.0001 U | < 0.010 U | 3.5 | < 0.001 U | < 0.003 U | 17 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 8/3/2004 | < 0.020 U | < 0.001 U | 0.11 | 0.02 | < 0.002 U | 43 B | < 0.005 U | < 0.002 U | 22 B | < 0.001 U | 29 | 1.3 | < 0.0001 U | < 0.010 U | 2.8 | < 0.001 U | < 0.003 U | 13 | < 0.010 U | < 0.002 U | 0.006 |
| | 11/2/2004 | < 0.02 U | < 0.001 U | 0.11 | 0.02 | 0.003 | 49 B | < 0.005 U | < 0.002 U | 22 | < 0.001 U | 32 | 1.4 | < 0.0001 U | < 0.01 U | 3.2 | < 0.001 U | < 0.003 U | 15 | < 0.01 U | < 0.002 U | < 0.004 U |
| | 1/31/2005 | | < 0.001 U | 0.044 | 0.021 J | 0.0023 J | 50 | < 0.0050 U | < 0.0020 U | 13 B | < 0.0010 U | 38 | 0.94 | < 0.0001 U | < 0.010 U | 3.5 | < 0.010 U | < 0.0030 U | 18 | | < 0.0020 U | < 0.0040 U |
| | 5/6/2005 | | < 0.001 U | 0.12 | 0.022 J | < 0.0020 U | 57 B | < 0.0050 U | < 0.0020 U | 26 B | < 0.0010 U | 38 | 1.7 | < 0.0001 U | < 0.010 U | 3.7 | < 0.010 U | < 0.0030 U | 17 | | < 0.0020 U | < 0.0040 U |
| | 7/29/2005 | | < 0.001 U | 0.07 | 0.022 J | < 0.0020 U | 45 M | < 0.0050 U | < 0.0020 U | 16 BM | < 0.0010 U | 32 M | 1.4 M | < 0.0001 U | < 0.010 U | 3.8 | < 0.010 U | < 0.0030 U | 18 | | < 0.0020 U | < 0.0040 U |
| | 11/2/2005 | | < 0.001 U | 0.077 | 0.0236 | < 0.002 U | | < 0.005 U | < 0.002 U | | < 0.001 U | | | < 0.0001 U | < 0.01 U | 3.87 | < 0.001 U | < 0.003 U | 18.5 | | < 0.002 U | < 0.004 U |
| | 2/1/2006 | | < 0.001 U | 0.09 | 0.021 | < 0.002 U | 53 | < 0.005 U | < 0.002 U | 19 | < 0.001 U | 37 | 1.5 | < 0.0001 U | < 0.01 U | 3 | < 0.001 U | < 0.003 U | 13 | | < 0.002 U | < 0.004 U |
| | 5/5/2006 | | < 0.001 U | 0.11 | 0.02 | < 0.002 U | 48 D | < 0.005 U | < 0.002 U | 23 D | < 0.001 U | 35 D | 1.4 D | | < 0.01 U | 3.3 | < 0.001 U | < 0.003 U | 16 | | < 0.002 U | < 0.004 U |
| | 8/7/2006 | | < 0.001 U | 0.1 | 0.018 B | < 0.002 U | 33 | < 0.005 U | < 0.002 U | 21 D | < 0.001 U | 23 | 1.2 D | < 0.0001 U | < 0.01 U | 2.3 | < 0.001 U | < 0.003 U | 12 | | < 0.002 U | < 0.004 U |
| | 11/3/2006 | | < 0.001 U | 0.11 | 0.019 | < 0.002 U | 37 | < 0.005 U | < 0.002 U | 19 D | < 0.001 U | 25 B | 1.2 D | < 0.0001 U | < 0.01 U | 2.6 | < 0.001 U | < 0.003 U | 13 B | | < 0.002 U | < 0.004 U |
| | 2/6/2007 | | < 0.001 U | 0.11 | 0.016 | < 0.002 U | 35 B | < 0.005 U | < 0.002 U | 21 D | < 0.001 U | 24 | 1.3 D | < 0.0001 U | < 0.01 U | 2.6 | < 0.001 U | < 0.003 U | 13 | | < 0.002 U | 0.0043 |
| | 2/6/2007 | | < 0.001 U | 0.11 | 0.017 | < 0.002 U | 34 B | < 0.005 U | < 0.002 U | 20 D | < 0.001 U | 24 | 1.1 | < 0.0001 U | < 0.01 U | 2.6 | < 0.001 U | < 0.003 U | 13 | | < 0.002 U | < 0.004 U |
| | 5/1/2007 | | < 0.001 U | 0.11 | 0.018 | < 0.002 U | 34 | < 0.005 U | < 0.002 U | 19 | < 0.001 U | 23 | 1.1 | < 0.0001 U | < 0.01 U | 2.4 | < 0.001 U | < 0.003 U | 12 | | < 0.002 U | 0.006 |
| | 8/10/2007 | | < 0.001 U | 0.1 | 0.018 | < 0.002 U | 35 | < 0.005 U | < 0.002 U | 15 B | < 0.001 U | 23 | 1.3 E | < 0.0001 U | < 0.01 U | 2.6 | < 0.001 U | < 0.003 U | 13 | | < 0.002 U | < 0.004 U |
| | 11/1/2007 | | < 0.001 U | 0.11 | 0.018 | < 0.002 U | 35 | < 0.005 U | < 0.002 U | 16 B | < 0.001 U | 24 | 1.2 | < 0.00014 U | < 0.01 U | 2.5 | < 0.001 U | < 0.003 U | 14 | | < 0.002 U | < 0.004 U |
| | 2/5/2008 | | < 0.001 U | 0.11 | 0.017 | < 0.002 U | 32 | < 0.005 U | < 0.002 U | 15 | < 0.001 U | 22 | 1.1 | < 0.0001 U | < 0.01 U | 2.4 | < 0.001 U | < 0.003 U | 13 | | < 0.002 U | < 0.004 U |
| | 5/12/2008 | | < 0.001 U | 0.1 | 0.021 | < 0.002 U | 32 | < 0.005 U | < 0.002 U | 16 B | < 0.001 U | 22 | 1 | < 0.0001 U | < 0.01 U | 2.4 | < 0.001 U | < 0.003 U | 14 B | | < 0.002 U | 0.0093 |
| | 8/7/2008 | | < 0.0009 U | 0.092 | 0.017 | < 0.0018 U | 31 | < 0.0045 U | < 0.0018 U | 14 | < 0.0009 U | 21 | 0.88 | < 0.0001 U | < 0.009 U | 2.3 | < 0.0009 U | < 0.0027 U | 13 | | < 0.0018 U | < 0.0036 U |
| | 11/18/2008 | | < 0.001 U | 0.12 | 0.027 | < 0.002 U | 33 | < 0.005 U | < 0.002 U | 19 B | < 0.001 U | 23 | 1.1 | < 0.0001 U | < 0.01 U | 2.5 | < 0.001 U | < 0.003 U | 14 | | < 0.002 U | 0.0059 |
| | 3/20/2009 | | < 0.001 U | 0.047 | 0.015 | < 0.002 U | 41 | < 0.005 U | < 0.002 U | 9.2 | < 0.001 U | 27 | 1 | < 0.0001 U | < 0.01 U | 2.6 | < 0.001 U | < 0.003 U | 15 | | < 0.002 U | < 0.004 U |
| | 5/12/2009 | | < 0.001 U | 0.107 | 0.0172 | < 0.002 U | 31 | < 0.005 U | < 0.002 U | 15.1 | < 0.001 U | 26.2 | 0.844 | < 0.0001 U | < 0.01 U | 2.8 | < 0.001 U | < 0.003 U | 15.3 | | < 0.002 U | < 0.004 U |
| | 8/11/2009 | | < 0.001 U | 0.0997 | 0.0237 | < 0.002 U | 41.5 | < 0.005 U | < 0.002 U | 17 | < 0.001 U | 31.6 | 1.25 D | < 0.0001 U | < 0.01 U | 3.07 | < 0.001 U | < 0.003 U | 16.4 | | < 0.002 U | < 0.004 U |
| | 11/3/2009 | | < 0.001 U | 0.0121 | 0.0188 | < 0.002 U | 48.1 | < 0.005 U | < 0.002 U | 4.59 | < 0.001 U | 35.5 | 2.14 D | < 0.0001 U | < 0.01 U | 3.18 | < 0.001 U | < 0.003 U | 14.8 | | < 0.002 U | < 0.004 DU |
| | 2/11/2010 | | < 0.001 U | 0.00871 | 0.0136 | < 0.002 U | 39 | < 0.005 U | < 0.002 U | 2.45 | < 0.001 U | 26.3 D | 1.12 | < 0.0001 U | < 0.01 U | 2.81 | < 0.001 U | < 0.003 U | 13.4 | | < 0.002 U | < 0.004 U |
| | 4/30/2010 | | < 0.001 U | 0.0833 | 0.015 | < 0.002 U | 32.9 | < 0.005 U | < 0.002 U | 14.2 | < 0.001 U | 28.5 | 0.953 | < 0.0001 U | < 0.01 U | 2.82 | < 0.001 U | < 0.003 U | 16.8 | | < 0.002 U | < 0.004 U |
| | 8/6/2010 | | < 0.001 U | 0.124 | 0.0157 | < 0.002 U | 32.5 | < 0.005 U | < 0.002 U | 13.8 | < 0.001 U | 22.5 | 0.848 | < 0.0001 U | < 0.01 U | 2.68 | < 0.001 U | < 0.003 U | 15.2 | | < 0.002 U | < 0.004 U |
| | 11/2/2010 | | < 0.001 U | 0.119 | 0.0184 | < 0.002 U | 29.7 | < 0.005 U | < 0.002 U | 14.1 | < 0.001 U | 21.7 | 0.78 | < 0.0001 U | < 0.01 U | 2.87 | < 0.001 U | < 0.003 U | 14.4 | | < 0.002 U | < 0.004 U |

Vashon Closed Landfill Western Hillslope Investigation

| | | ALUMINUM | ANTIMONY | ARSENIC | BARIUM | CADMIUM | CALCIUM | CHROMIUM | COPPER | IRON | LEAD | MAGNESIUM | MANGANESE | MERCURY | NICKEL | POTASSIUM | SELENIUM | SILVER | SODIUM | TIN | VANADIUM | ZINC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Federal Drinking Water Standards | | 0.05 - 0.2 | 0.006 | 0.01 | 2 | 0.005 | None | 0.1 | 1 | 0.3 | 0.015 | None | 0.05 | 0.002 | 0.1 | None | 0.05 | 0.1 Secondary | 20 | None | None | 5 |
| Groundwater Quality Criteria | | 0.05 - 0.2 | 0.006 | 0.00005 | 1 | 0.005 | None | 0.05 | 1 | 0.3 | 0.015 | None | 0.05 | 0.002 | 0.1 | None | 0.01 | 0.05 | 20 | None | None | 5 |
| MW-9 | 2/14/2000 | < 0.020 U | < 0.001 U | 0.003 J | 0.004 | < 0.002 U | 12 | < 0.005 U | < 0.002 U | 0.009 J | < 0.001 U | 9.1 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.8 | 0.001 J | < 0.003 U | 5 | < 0.010 U | 0.006 | < 0.004 U |
| | 5/3/2000 | 0.02 | < 0.001 U | 0.003 J | 0.004 | < 0.002 U | 12 | < 0.005 U | < 0.002 U | 0.026 | < 0.001 U | 9.5 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.8 | < 0.001 U | < 0.003 U | 5.1 | < 0.010 U | 0.006 | < 0.004 U |
| | 5/3/2000 | < 0.020 U | < 0.001 U | 0.003 J | 0.003 | < 0.002 U | 12 | < 0.005 U | < 0.002 U | 0.015 | < 0.001 U | 9.8 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.7 | < 0.001 U | < 0.003 U | 5.1 | < 0.010 U | 0.006 | < 0.004 U |
| | 8/15/2000 | < 0.020 U | < 0.001 U | 0.003 J | 0.007 | 0.003 | 9.9 | < 0.005 U | < 0.002 U | 0.018 | < 0.001 U | 8.6 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.8 | < 0.001 U | < 0.003 U | 4.9 | < 0.010 U | 0.005 | < 0.004 U |
| | 11/13/2000 | 0.048 | < 0.001 U | 0.003 J | 0.004 | < 0.002 U | 7.9 | < 0.005 U | < 0.002 U | 0.033 | 0.001 | 6.6 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.7 | < 0.001 U | < 0.003 U | 4.7 | < 0.010 U | 0.005 | < 0.004 U |
| | 1/30/2001 | < 0.020 U | < 0.001 U | 0.003 J | 0.004 | < 0.002 U | 9.7 | < 0.005 U | < 0.002 U | 0.016 | < 0.001 U | 8.1 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.7 | < 0.001 U | < 0.003 U | 4.7 | < 0.010 U | 0.005 | < 0.004 U |
| | 5/4/2001 | 0.074 B | < 0.001 U | 0.003 J | 0.003 | < 0.002 U | 7.9 | < 0.005 U | < 0.002 U | 0.025 B | < 0.001 U | 7.2 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.6 | < 0.001 U | < 0.003 U | 4.8 | < 0.010 U | 0.005 | < 0.004 U |
| | 7/24/2001 | < 0.020 U | < 0.001 U | 0.002 J | 0.003 B | < 0.002 U | 7.8 | < 0.005 U | < 0.002 U | 0.018 | < 0.001 U | 6.7 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.7 | < 0.001 U | < 0.003 U | 4.8 | < 0.010 U | 0.005 | < 0.004 U |
| | 11/1/2001 | < 0.020 U | < 0.001 U | 0.003 J | 0.003 | < 0.002 U | 8.1 | < 0.005 U | < 0.002 U | 0.028 | < 0.001 U | 7 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.8 | < 0.001 U | < 0.003 U | 4.9 | < 0.010 U | 0.005 | < 0.004 U |
| | 2/12/2002 | 0.046 | < 0.001 U | < 0.001 U | 0.002 | < 0.002 U | 14 | < 0.005 U | < 0.002 U | 0.062 | < 0.001 U | 7.6 | 0.044 | < 0.0001 U | < 0.010 U | 1.2 | < 0.001 U | < 0.003 U | 5.2 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 6/24/2002 | < 0.020 U | < 0.001 U | 0.002 J | 0.004 | < 0.002 U | 10 | < 0.005 U | < 0.002 U | < 0.005 U | < 0.001 U | 8.5 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.7 | < 0.001 U | < 0.003 U | 4.9 | < 0.010 U | 0.005 | < 0.004 U |
| | 8/6/2002 | 0.03 | < 0.001 U | 0.002 J | 0.003 | < 0.002 U | 13 B | < 0.005 U | < 0.002 U | < 0.005 UB | < 0.001 U | 9.8 | < 0.001 U | < 0.0001 U | < 0.010 U | 2.1 | < 0.001 U | < 0.003 U | 5.5 | < 0.010 U | 0.005 | < 0.004 UB |
| | 11/7/2002 | 0.039 | < 0.001 U | 0.003 J | 0.005 | < 0.002 U | 11 M | < 0.005 U | < 0.002 U | 0.048 | < 0.001 U | 7.2 | < 0.001 U | 0.0001 | < 0.010 U | 1.8 | < 0.001 U | < 0.003 U | 4.6 | < 0.010 U | 0.005 | < 0.004 U |
| | 2/3/2003 | 0.026 | < 0.001 U | 0.003 J | 0.004 | < 0.002 U | 10 B | < 0.005 U | 0.004 | 0.031 | < 0.001 U | 8.6 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.8 | < 0.001 U | < 0.003 U | 5 | < 0.010 U | 0.005 | < 0.004 U |
| | 4/29/2003 | < 0.020 U | < 0.001 U | 0.002 J | 0.001 | < 0.002 U | 5.1 | < 0.005 U | < 0.002 U | < 0.005 U | < 0.001 U | 3.8 | < 0.001 U | < 0.0001 U | < 0.010 U | 0.78 | 0.002 J | < 0.003 U | 2 | < 0.010 U | 0.002 | < 0.004 U |
| | 7/22/2003 | < 0.020 U | < 0.001 U | 0.003 J | 0.003 | < 0.002 U | 11 B | < 0.005 U | < 0.002 U | 0.033 | < 0.001 U | 8.1 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.8 | < 0.001 U | < 0.003 U | 4.8 | < 0.010 U | 0.005 | < 0.004 U |
| | 10/24/2003 | < 0.020 U | < 0.001 U | 0.003 J | 0.003 | < 0.002 U | 12 | < 0.005 U | < 0.002 U | 0.21 | < 0.001 U | 8.5 | 0.001 | < 0.0001 U | < 0.010 U | 1.9 | < 0.001 U | < 0.003 U | 4.9 | < 0.010 U | 0.005 | < 0.004 U |
| | 2/6/2004 | < 0.020 U | < 0.001 U | 0.002 J | 0.004 | < 0.002 U | 11 | < 0.005 U | < 0.002 U | 0.029 | < 0.001 U | 8.5 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.8 | < 0.001 U | < 0.003 U | 5 | < 0.010 U | 0.005 | < 0.004 U |
| | 5/3/2004 | < 0.020 U | < 0.001 U | 0.002 J | 0.005 | 0.002 | 12 | < 0.005 U | < 0.002 U | 0.045 | < 0.001 U | 8.6 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.9 | < 0.001 U | < 0.003 U | 4.8 | < 0.010 U | 0.005 | < 0.004 U |
| | 5/3/2004 | < 0.020 U | < 0.001 U | 0.003 J | 0.004 | < 0.002 U | 11 | < 0.005 U | < 0.002 U | 0.047 | < 0.001 U | 8.6 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.8 | < 0.001 U | < 0.003 U | 4.8 | < 0.010 U | 0.005 | < 0.004 U |
| | 8/10/2004 | < 0.020 BU | < 0.001 U | 0.002 J | 0.004 | < 0.002 U | 13 B | < 0.005 U | < 0.002 U | 0.052 B | < 0.001 U | 9.3 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.9 | < 0.001 U | < 0.003 U | 5.1 | < 0.010 U | 0.005 | 0.01 |
| | 10/27/2004 | 0.026 | < 0.001 U | 0.002 J | 0.004 | < 0.002 U | 12 | < 0.005 U | < 0.002 U | 0.063 | < 0.001 U | 9 | < 0.001 U | < 0.0001 U | < 0.010 U | 2 | < 0.001 U | < 0.003 U | 5.2 | < 0.010 U | 0.005 | < 0.004 U |
| | 2/2/2005 | | < 0.001 U | 0.0024 | 0.0042 J | 0.002 | 12 B | < 0.0050 U | < 0.0020 U | 0.066 BJ | < 0.0010 U | 9.4 | < 0.0010 U | < 0.0001 U | < 0.010 U | 1.9 | < 0.010 U | < 0.0030 U | 5.2 | | 0.0046 | < 0.0040 U |
| | 5/3/2005 | | < 0.001 U | 0.0024 | 0.0031 J | < 0.0020 U | 12 B | < 0.0050 U | < 0.0020 U | 0.039 BJ | < 0.0010 U | 9.3 | < 0.0010 U | < 0.0001 U | < 0.010 U | 2 | < 0.010 U | < 0.0030 U | 5.6 | | 0.0052 | < 0.0040 U |
| | 8/3/2005 | | < 0.001 U | 0.003 | 0.0036 J | < 0.0020 U | 13 | < 0.0050 U | < 0.0020 U | 0.051 BJ | < 0.0010 U | 10 | 0.0011 J | < 0.0001 U | < 0.010 U | 2.1 | 0.0031 J | < 0.0030 U | 5.9 | | 0.005 | < 0.0040 U |
| | 11/15/2005 | | < 0.001 U | 0.0024 | 0.00421 | < 0.002 U | 12.7 | 0.00567 | < 0.002 U | 0.0672 B | < 0.001 U | 8.8 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.93 | < 0.001 U | < 0.003 U | 5.17 B | | 0.0059 | < 0.004 U |
| | 2/1/2006 | | < 0.001 U | 0.0026 | 0.0033 | < 0.002 U | 11 | 0.0059 | < 0.002 U | 0.059 | < 0.001 U | 8.3 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.8 | < 0.001 U | < 0.003 U | 4.9 | | 0.0057 | < 0.004 U |
| | 5/2/2006 | | < 0.001 U | 0.0025 | 0.0035 | < 0.002 U | 13 | < 0.005 U | < 0.002 U | 0.042 | < 0.001 U | 9.7 | < 0.001 U | < 0.0001 U | < 0.01 U | 2 | 0.0013 | < 0.003 U | 5.5 | | 0.0051 | < 0.004 U |
| | 8/3/2006 | | < 0.001 U | 0.0023 | 0.0039 B | < 0.002 U | 12 | < 0.005 U | < 0.002 U | 0.069 | < 0.001 U | 9 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.6 | < 0.001 U | < 0.003 U | 4.9 | | 0.0049 | < 0.004 U |
| | 11/2/2006 | | < 0.001 U | 0.0021 | 0.0038 | < 0.002 U | 13 | < 0.005 U | < 0.002 U | 0.06 B | < 0.001 U | 9.4 B | < 0.001 U | < 0.0001 U | < 0.01 U | 1.9 | < 0.001 U | < 0.003 U | 5.2 B | | 0.0046 | < 0.004 U |
| | 2/27/2007 | | < 0.001 U | 0.0021 | 0.0039 | < 0.002 U | 13 B | < 0.005 U | < 0.002 U | 0.044 B | < 0.001 U | 11 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.9 | < 0.001 U | < 0.003 U | 5.6 | | 0.0048 | < 0.004 U |
| | 4/30/2007 | | < 0.001 U | 0.0022 | 0.0036 | < 0.002 U | 11 | < 0.005 U | < 0.002 U | 0.14 | < 0.001 U | 8.4 | < 0.001 U | < 0.0001 U | < 0.01 U | 2.3 | < 0.001 U | < 0.003 U | 4.7 | | 0.0049 | < 0.004 U |
| | 8/10/2007 | | < 0.001 U | 0.0024 | 0.0036 | < 0.002 U | 12 | < 0.005 U | 0.0026 | 0.048 | < 0.001 U | 9.2 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.9 | 0.0013 | < 0.003 U | 4.9 | | 0.0048 | 0.0045 |
| | 11/5/2007 | | < 0.001 U | 0.0021 | 0.0034 | < 0.002 U | 12 | < 0.005 U | < 0.002 U | 0.041 B | < 0.001 U | 9.2 | < 0.001 U | < 0.00014 U | < 0.01 U | 1.7 | < 0.001 U | < 0.003 U | 4.8 | | 0.0047 | < 0.004 U |
| | 2/7/2008 | | < 0.001 U | 0.0022 | 0.0029 | < 0.002 U | 11 | < 0.005 U | < 0.002 U | 0.023 | < 0.001 U | 8.7 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.7 | < 0.001 U | < 0.003 U | 5 | | 0.0047 | < 0.004 U |
| | 5/8/2008 | | < 0.001 U | 0.0026 | 0.006 | < 0.002 U | 13 | < 0.005 U | 0.0023 | 0.29 B | < 0.001 U | 10 | 0.0022 | < 0.0001 UB | < 0.01 U | 2.1 | < 0.001 U | < 0.003 U | 5.9 | | 0.0047 | 0.0083 |
| | 8/5/2008 | | < 0.0009 U | 0.002 | 0.0031 | < 0.0018 U | 11 | < 0.0045 U | < 0.0018 U | 0.051 | < 0.0009 U | 8.8 | 0.0022 | < 0.0001 U | < 0.009 U | 1.7 | < 0.0009 U | < 0.0027 U | 5.1 | | 0.0053 | 0.017 |
| | 11/17/2008 | | < 0.001 U | 0.0023 | 0.003 | < 0.002 U | 11 | < 0.005 U | < 0.002 U | 0.043 B | < 0.001 U | 8.5 | 0.0014 | < 0.0001 U | < 0.01 U | 1.7 | < 0.001 U | < 0.003 U | 4.9 | | 0.0047 | 0.029 |
| | 11/17/2008 | | < 0.001 U | 0.0022 | 0.0031 | < 0.002 U | 11 | < 0.005 U | < 0.002 U | 0.045 B | < 0.001 U | 8.5 | 0.001 | < 0.0001 U | < 0.01 U | 1.8 | < 0.001 U | < 0.003 U | 5 | | 0.0046 | 0.0063 |
| | 2/4/2009 | | < 0.001 U | 0.0017 | 0.016 | < 0.002 U | 15 | < 0.005 U | < 0.002 U | 0.067 B | < 0.001 U | 13 | 0.54 | < 0.0001 U | < 0.01 U | 2.3 | < 0.001 U | < 0.003 U | 6.1 | | < 0.002 U | < 0.004 U |
| | 5/1/2009 | | < 0.001 U | 0.00226 | 0.0031 | < 0.002 U | 11 | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 9.05 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.8 | < 0.001 U | < 0.003 U | 5.15 | | 0.00494 | < 0.004 U |
| | 7/31/2009 | | < 0.001 U | 0.0024 | 0.00306 | < 0.002 U | 11 | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 8.37 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.99 | < 0.001 U | < 0.003 U | 4.84 | | 0.00482 | < 0.004 U |
| | 11/5/2009 | | < 0.001 U | 0.00228 | 0.00316 | < 0.002 U | 11.1 | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 8.76 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.95 | < 0.001 U | < 0.003 U | 4.92 | | 0.0046 | < 0.004 DU |
| | 2/4/2010 | | < 0.001 U | 0.00246 | 0.00334 | < 0.002 U | 11.4 | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 9.69 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.92 | < 0.001 U | < 0.003 U | 5.49 | | 0.00491 | < 0.004 U |
| | 5/3/2010 | | < 0.001 U | 0.00236 | 0.00304 | < 0.002 U | 10.4 | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 9.29 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.86 | < 0.001 U | < 0.003 U | 5.35 | | 0.00457 | < 0.004 U |
| | 8/9/2010 | | < 0.001 U | 0.00252 | 0.00338 | < 0.002 U | 12.7 | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 10.1 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.92 | < 0.001 U | < 0.003 U | 5.52 | | 0.00464 | < 0.004 U |
| | 11/8/2010 | | < 0.001 U | 0.0024 | 0.00371 | < 0.002 U | 11.7 D | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 10.4 | < 0.001 DU | < 0.0001 U | < 0.01 U | 2.1 | < 0.001 U | < 0.003 U | 5.56 | | 0.00468 | < 0.004 U |
| MW-21 | 2/16/2000 | < 0.020 U | < 0.001 U | 0.023 | 0.015 | < 0.002 U | 31 | < 0.005 U | < 0.002 U | 5.2 | < 0.001 U | 23 | 1.3 | < 0.0001 U | < 0.010 U | 2.2 | < 0.001 U | < 0.003 U | 11 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 5/5/2000 | < 0.020 U | < 0.001 U | 0.023 | 0.014 | < 0.002 U | 32 | < 0.005 U | < 0.002 U | 5 | < 0.001 U | 23 | 1.3 | < 0.0001 U | < 0.010 U | 2.1 | < 0.001 U | < 0.003 U | 11 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 8/18/2000 | 0.1 | < 0.001 U | 0.018 | 0.016 | < 0.002 U | 21 | < 0.005 U | < 0.002 U | 3.4 | < 0.001 U | 18 | 1.1 | < 0.0001 U | < 0.010 U | 2.1 | < 0.001 U | < 0.003 U | 10 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 11/13/2000 | < 0.020 U | < 0.001 U | 0.016 | 0.014 | < 0.002 U | 20 | < 0.005 U | < 0.002 U | 3.2 | < 0.001 U | 18 | 0.89 | < 0.0001 U | < 0.010 U | 2 | < 0.001 U | < 0.003 U | 9.5 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 1/31/2001 | < 0.020 U | < 0.001 U | 0.014 | 0.016 | < 0.002 U | 21 | < 0.005 U | < 0.002 U | 3.1 | < 0.001 U | 19 | 0.85 | < 0.0001 U | < 0.010 U | 1.9 | < 0.001 U | < 0.003 U | 9.3 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 5/14/2001 | < 0.020 U | < 0.001 U | 0.012 | 0.015 | < 0.002 U | 18 | < 0.005 U | < 0.002 U | 2.5 | < 0.001 U | 17 | 0.68 | < 0.0001 U | < 0.010 U | 1.9 | < 0.001 U | < 0.003 U | 9.3 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 7/24/2001 | < 0.020 U | < 0.001 U | 0.008 | 0.016 B | < 0.002 U | 19 | < 0.005 U | < 0.002 U | 1.9 | < 0.001 U | 19 | 0.69 | < 0.0001 U | < 0.010 U | 2.1 | < 0.001 U | < 0.003 U | 9.8 | < 0.010 U | < 0.002 U | < 0.004 U |

| | | ALUMINUM | ANTIMONY | ARSENIC | BARIUM | CADMIUM | CALCIUM | CHROMIUM | COPPER | IRON | LEAD | MAGNESIUM | MANGANESE | MERCURY | NICKEL | POTASSIUM | SELENIUM | SILVER | SODIUM | TIN | VANADIUM | ZINC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Federal Drinking Water Standards | | 0.05 - 0.2 | 0.006 | 0.01 | 2 | 0.005 | None | 0.1 | 1 | 0.3 | 0.015 | None | 0.05 | 0.002 | 0.1 | None | 0.05 | 0.1 Secondary | 20 | None | None | 5 |
| Groundwater Quality Criteria | | 0.05 - 0.2 | 0.006 | 0.00005 | 1 | 0.005 | None | 0.05 | 1 | 0.3 | 0.015 | None | 0.05 | 0.002 | 0.1 | None | 0.01 | 0.05 | 20 | None | None | 5 |
| MW-21 (cont.) | 11/2/2001 | < 0.020 U | < 0.001 U | 0.004 J | 0.016 | < 0.002 U | 19 | < 0.005 U | < 0.002 U | 0.9 | < 0.001 U | 23 | 0.35 | < 0.0001 U | < 0.010 U | 2.5 | < 0.001 U | < 0.003 U | 9.5 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 2/13/2002 | < 0.020 U | < 0.001 U | 0.005 | 0.021 | < 0.002 U | 23 | < 0.005 U | < 0.002 U | 1.2 B | < 0.001 U | 27 | 0.46 | < 0.0001 U | < 0.010 U | 2.6 | 0.001 J | < 0.003 U | 10 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 4/25/2002 | 0.032 | < 0.001 U | 0.007 | 0.015 | < 0.002 U | 23 | < 0.005 U | < 0.002 U | 1.5 B | < 0.001 U | 24 | 0.66 | < 0.0001 U | < 0.010 U | 2.1 | < 0.001 U | < 0.003 U | 9.1 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 8/14/2002 | < 0.020 UM | < 0.001 U | 0.009 | 0.013 | < 0.002 U | 22 M | < 0.005 UM | < 0.002 U | 2.1 M | < 0.001 U | 23 M | 0.90 M | < 0.0001 U | < 0.010 UM | 2.1 M | < 0.001 U | < 0.003 U | 9.5 M | < 0.010 U | < 0.002 UM | < 0.004 U |
| | 8/14/2002 | < 0.020 UM | < 0.001 U | 0.009 | 0.013 | < 0.002 U | 22 M | < 0.005 UM | < 0.002 U | 2.1 M | < 0.001 U | 22 M | 0.91 M | < 0.0001 U | < 0.010 UM | 2.1 M | < 0.001 U | < 0.003 U | 9.4 M | < 0.010 U | < 0.002 UM | < 0.004 U |
| | 10/31/2002 | < 0.020 U | < 0.001 U | 0.008 | 0.016 | < 0.002 U | 20 | < 0.005 U | < 0.002 U | 1.8 | < 0.001 U | 21 | 0.62 | < 0.0001 U | < 0.010 U | 2.1 | < 0.001 U | < 0.003 U | 8.9 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 1/27/2003 | < 0.020 U | < 0.001 U | 0.007 | 0.017 | < 0.002 U | 26 | < 0.005 U | < 0.002 U | 1.4 | < 0.001 U | 27 | 0.49 | < 0.0001 U | < 0.010 U | 2.4 | < 0.001 U | < 0.003 U | 9.6 | < 0.010 U | < 0.002 U | 0.006 |
| | 5/2/2003 | < 0.02 U | < 0.001 U | 0.009 | 0.002 | < 0.002 U | 28 | < 0.005 U | < 0.002 U | 2.5 | < 0.001 U | 26 | 0.79 | < 0.0001 U | < 0.01 U | 2.3 | < 0.001 U | < 0.003 U | 10 | < 0.01 U | < 0.002 U | < 0.004 U |
| | 7/22/2003 | < 0.020 U | < 0.001 U | 0.008 | 0.016 | < 0.002 U | 25 B | < 0.005 U | < 0.002 U | 2.3 | < 0.001 U | 23 | 0.67 | < 0.0001 U | < 0.010 U | 2.2 | < 0.001 U | < 0.003 U | 9.5 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 10/20/2003 | < 0.02 U | < 0.001 U | 0.004 J | 0.015 | < 0.002 U | 29 | < 0.005 U | < 0.002 U | 1.5 | < 0.001 U | 29 | 0.47 | < 0.0001 U | < 0.01 U | 2.5 | < 0.001 U | < 0.003 U | 9.9 | < 0.01 U | < 0.002 U | < 0.004 U |
| | 2/5/2004 | 0.031 | < 0.001 U | 0.005 J | 0.019 | < 0.002 U | 33 | < 0.005 U | 0.003 | 1.7 | < 0.001 U | 34 | 0.52 | < 0.0001 U | < 0.010 U | 2.8 | < 0.001 U | < 0.003 U | 11 | < 0.010 U | < 0.002 U | 0.005 J |
| | 4/30/2004 | < 0.020 U | < 0.001 U | 0.008 | 0.017 | < 0.002 U | 29 | < 0.005 U | < 0.002 U | 2.7 | < 0.001 U | 27 | 0.8 | < 0.0001 U | < 0.010 U | 2.5 | < 0.001 U | < 0.003 U | 10 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 8/3/2004 | < 0.020 U | < 0.001 U | 0.008 | 0.018 | < 0.002 U | 28 B | < 0.005 U | < 0.002 U | 2.7 B | < 0.001 U | 25 | 0.77 | < 0.0001 U | < 0.010 U | 2.3 | < 0.001 U | < 0.003 U | 9.6 | < 0.010 U | < 0.002 U | 0.008 |
| | 10/29/2004 | < 0.02 U | < 0.001 U | 0.006 | 0.018 | 0.003 | 31 B | < 0.005 U | < 0.002 U | 1.9 B | < 0.001 U | 32 | 0.52 | < 0.0001 U | < 0.01 U | 2.7 | < 0.001 U | < 0.003 U | 10 | < 0.01 U | < 0.002 U | < 0.004 U |
| | 1/31/2005 | | < 0.001 U | 0.005 | 0.020 J | 0.0022 J | 36 | < 0.0050 U | < 0.0020 U | 1.8 B | < 0.0010 U | 41 | 0.49 | < 0.0001 U | < 0.010 U | 3.2 | < 0.010 U | < 0.0030 U | 13 | | < 0.0020 U | < 0.0040 U |
| | 5/4/2005 | | < 0.001 U | 0.0044 | 0.019 J | < 0.0020 U | 40 B | < 0.0050 U | < 0.0020 U | 1.9 B | < 0.0010 U | 42 | 0.57 | < 0.0001 U | < 0.010 U | 3.3 | < 0.010 U | < 0.0030 U | 13 | | < 0.0020 U | < 0.0040 U |
| | 7/27/2005 | | < 0.010 U | 0.0031 | 0.018 J | < 0.0020 U | 35 BM | < 0.0050 U | < 0.0020 U | 1.4 | < 0.0010 U | 39 M | 0.44 MJ | < 0.0001 U | < 0.010 U | 2.8 | < 0.0010 U | < 0.0030 U | 9.9 | | < 0.0020 U | < 0.0040 U |
| | 11/2/2005 | | < 0.001 U | 0.00168 | 0.0185 | < 0.002 U | 36.9 | < 0.005 U | < 0.002 U | 1.54 B | < 0.001 U | 40.9 | | < 0.0001 U | < 0.01 U | 3.18 | < 0.001 U | < 0.003 U | 11.3 | | < 0.002 U | < 0.004 U |
| | 2/1/2006 | | < 0.001 U | 0.0017 | 0.023 | < 0.002 U | 38 | < 0.005 U | < 0.002 U | 1.4 | < 0.001 U | 43 | 0.36 | < 0.0001 U | < 0.01 U | 2.9 | < 0.001 U | < 0.003 U | 10 | | < 0.002 U | 0.0061 |
| | 2/1/2006 | | < 0.001 U | 0.0016 | 0.022 | < 0.002 U | 38 | < 0.005 U | < 0.002 U | 1.4 | < 0.001 U | 44 | 0.37 | < 0.0001 U | < 0.01 U | 2.9 | < 0.001 U | < 0.003 U | 9.8 | | < 0.002 U | < 0.004 U |
| | 5/8/2006 | | < 0.001 U | 0.0035 | 0.019 | < 0.002 U | 33 D | < 0.005 U | < 0.002 U | 1.6 | < 0.001 U | 37 D | 0.5 D | < 0.0001 U | < 0.01 U | 2.9 | < 0.001 U | < 0.003 U | 11 | | < 0.002 U | < 0.004 U |
| | 8/2/2006 | | < 0.001 U | 0.0046 | 0.018 B | < 0.002 U | 27 | < 0.005 U | < 0.002 U | 2.1 | < 0.001 U | 28 | 0.46 | < 0.0001 U | < 0.01 U | 2.2 | < 0.001 U | < 0.003 U | 9.2 | | < 0.002 U | < 0.004 U |
| | 11/14/2006 | | < 0.001 U | 0.0016 | 0.018 | < 0.002 U | 30 | < 0.005 U | < 0.002 U | 1.4 | < 0.001 U | 34 | 0.3 | < 0.0001 U | < 0.01 U | 2.6 | 0.0013 | < 0.003 U | 9.7 | | < 0.002 U | < 0.004 U |
| | 2/6/2007 | | < 0.001 U | 0.0044 | 0.015 | < 0.002 U | 27 B | < 0.005 U | < 0.002 U | 2.1 | < 0.001 U | 27 | 0.6 | < 0.0001 U | < 0.01 U | 2.4 | < 0.001 U | < 0.003 U | 11 | | < 0.002 U | 0.0045 |
| | 5/1/2007 | | < 0.001 U | 0.0049 | 0.015 | < 0.002 U | 26 | < 0.005 U | < 0.002 U | 2.1 | < 0.001 U | 23 | 0.87 | < 0.0001 U | < 0.01 U | 2.1 | < 0.001 U | < 0.003 U | 9.8 | | < 0.002 U | 0.0042 |
| | 8/7/2007 | | < 0.001 U | 0.0035 | 0.013 | < 0.002 U | 25 | < 0.005 U | < 0.002 U | 1.6 | < 0.001 U | 23 | 0.64 | < 0.0001 U | < 0.01 U | 2.2 | < 0.001 U | < 0.003 U | 9.7 | | < 0.002 U | 0.005 |
| | 8/7/2007 | | < 0.001 U | 0.0035 | 0.013 | < 0.002 U | 26 | < 0.005 U | < 0.002 U | 1.6 | < 0.001 U | 23 | 0.64 | < 0.0001 U | < 0.01 U | 2.2 | < 0.001 U | < 0.003 U | 9.9 | | < 0.002 U | 0.0041 |
| | 11/1/2007 | | < 0.001 U | 0.0044 | 0.015 | < 0.002 U | 27 | < 0.005 U | < 0.002 U | 2.2 B | < 0.001 U | 27 | 0.7 | < 0.00014 U | < 0.01 U | 2.3 | < 0.001 U | < 0.003 U | 10 | | < 0.002 U | < 0.004 U |
| | 2/5/2008 | | < 0.001 U | 0.0027 | 0.014 | < 0.002 U | 26 | < 0.005 U | < 0.002 U | 1.4 | < 0.001 U | 25 | 0.63 | < 0.0001 U | < 0.01 U | 2.2 | < 0.001 U | < 0.003 U | 10 | | < 0.002 U | 0.0075 |
| | 5/15/2008 | | < 0.001 U | 0.0046 | 0.016 | < 0.002 U | 27 | < 0.005 U | < 0.002 U | 2.3 B | < 0.001 U | 26 | 0.64 | < 0.0001 U | < 0.01 U | 2.4 | < 0.001 U | < 0.003 U | 11 B | | < 0.002 U | 0.0077 |
| | 8/5/2008 | | < 0.0009 U | 0.0041 | 0.017 | < 0.0018 U | 26 | < 0.0045 U | < 0.0018 U | 2.1 | < 0.0009 U | 26 | 0.57 | < 0.0001 U | < 0.009 U | 2.2 | < 0.0009 U | < 0.0027 U | 10 | | < 0.0018 U | 0.0066 |
| | 11/3/2008 | | < 0.001 U | 0.0019 | 0.017 | < 0.002 U | 31 | < 0.005 U | < 0.002 U | 1.6 | < 0.001 U | 34 | 0.43 | < 0.0001 U | < 0.01 U | 2.6 | < 0.001 U | < 0.003 U | 10 | | < 0.002 U | < 0.004 U |
| | 5/8/2009 | | < 0.001 U | 0.00113 | 0.0179 | < 0.002 U | 32.8 | < 0.005 U | < 0.002 U | 0.699 | < 0.001 U | 41.6 | 0.31 | < 0.0001 U | < 0.01 U | 3.01 | < 0.001 U | < 0.003 U | 11.2 | | < 0.002 U | < 0.004 U |
| | 8/11/2009 | | < 0.001 U | 0.00145 | 0.0184 | < 0.002 U | 34.8 | < 0.005 U | < 0.002 U | 0.855 | < 0.001 U | 41.6 | 0.331 | < 0.0001 U | < 0.01 U | 3.15 | < 0.001 U | < 0.003 U | 11.7 | | < 0.002 U | < 0.004 U |
| | 11/3/2009 | | < 0.001 U | < 0.001 U | 0.0181 | < 0.002 U | 34.6 | < 0.005 U | < 0.002 U | 0.775 | < 0.001 U | 38.6 | 0.313 | < 0.0001 U | < 0.01 U | 3.13 | < 0.001 U | < 0.003 U | 10.6 | | < 0.002 U | < 0.004 DU |
| | 2/3/2010 | | < 0.001 U | < 0.001 U | 0.0168 | < 0.002 U | 34.5 | < 0.005 U | < 0.002 U | 0.718 | < 0.001 U | 43.2 | 0.308 | < 0.0001 U | < 0.01 U | 2.92 | < 0.001 U | < 0.003 U | 11.8 | | < 0.002 U | < 0.004 U |
| | 5/5/2010 | | < 0.001 U | 0.00126 | 0.0164 | < 0.002 U | 29.6 | < 0.005 U | < 0.002 U | 0.823 | < 0.001 U | 36.8 | 0.396 | < 0.0001 U | < 0.01 U | 2.64 | < 0.001 U | < 0.003 U | 11.3 | | < 0.002 U | < 0.004 U |
| | 8/6/2010 | | < 0.001 U | 0.00155 | 0.0177 | < 0.002 U | 36.9 | < 0.005 U | < 0.002 U | 1.03 | < 0.001 U | 38.8 | 0.523 | < 0.0001 U | < 0.01 U | 2.91 | < 0.001 U | < 0.003 U | 12.3 | | < 0.002 U | < 0.004 U |
| | 11/2/2010 | | < 0.001 U | 0.00101 | 0.016 | < 0.002 U | 28.8 | < 0.005 U | < 0.002 U | 0.654 | < 0.001 U | 30.6 | 0.292 | < 0.0001 U | < 0.01 U | 2.81 | < 0.001 U | < 0.003 U | 10 | | < 0.002 U | < 0.004 U |
| MW-12 | 2/18/2000 | < 0.020 U | < 0.001 U | 0.002 J | 0.005 | < 0.002 U | 11 | < 0.005 U | < 0.002 U | 0.015 | < 0.001 U | 8 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.8 | < 0.001 U | < 0.003 U | 5.5 | < 0.010 U | 0.005 | < 0.004 U |
| | 5/8/2000 | 0.14 | < 0.001 U | 0.002 J | 0.007 | < 0.002 U | 11 | < 0.005 U | < 0.002 U | 0.033 | < 0.001 U | 9 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.7 | 0.002 J | < 0.003 U | 5.2 | < 0.010 U | 0.005 | < 0.004 U |
| | 8/25/2000 | < 0.020 U | < 0.001 U | 0.002 J | 0.007 | < 0.002 U | 8.8 | < 0.005 U | < 0.002 U | 0.028 | < 0.001 U | 7.2 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.8 | < 0.001 U | < 0.003 U | 5.4 | < 0.010 U | 0.005 | < 0.004 U |
| | 8/25/2000 | < 0.020 U | < 0.001 U | 0.002 J | 0.007 | < 0.002 U | 8.6 | < 0.005 U | < 0.002 U | 0.025 | < 0.001 U | 7.3 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.8 | < 0.001 U | < 0.003 U | 5.4 | < 0.010 U | 5.2 | < 0.004 U |
| | 11/16/2000 | < 0.020 U | < 0.001 U | 0.002 J | 0.006 | < 0.002 U | 7.7 | < 0.005 U | < 0.002 U | 0.021 | < 0.001 U | 6.6 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.6 | < 0.001 U | < 0.003 U | 5 | < 0.010 U | 0.005 | < 0.004 U |
| | 11/16/2000 | < 0.020 U | < 0.001 U | 0.002 J | 0.006 | < 0.002 U | 7.7 | < 0.005 U | < 0.002 U | 0.017 | < 0.001 U | 6.5 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.6 | < 0.001 U | < 0.003 U | 5 | < 0.010 U | 0.005 | < 0.004 U |
| | 2/5/2001 | 0.028 | < 0.001 U | 0.002 J | 0.007 | < 0.002 U | 9.1 | < 0.005 U | < 0.002 U | 0.01 | < 0.001 U | 7.8 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.6 | < 0.001 U | < 0.003 U | 4.9 | < 0.01 U | 0.005 | < 0.004 U |
| | 5/15/2001 | 0.056 | < 0.001 U | 0.002 J | 0.005 | < 0.002 U | 8 | < 0.005 U | < 0.002 U | 0.024 | < 0.001 U | 7.3 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.6 | < 0.001 U | < 0.003 U | 5.1 | < 0.010 U | 0.004 | < 0.004 U |
| | 7/31/2001 | < 0.020 U | < 0.001 U | 0.002 J | 0.006 | < 0.002 U | 8 | < 0.005 U | < 0.002 U | 0.012 | < 0.001 U | 6.8 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.6 | < 0.001 U | < 0.003 U | 4.6 | < 0.010 U | 0.005 | 0.005 J |
| | 10/31/2001 | 0.048 | < 0.001 U | 0.002 J | 0.006 | < 0.002 U | 8.5 | < 0.005 U | < 0.002 U | 0.021 | < 0.001 U | 7.3 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.8 | < 0.001 U | < 0.003 U | 5.6 | < 0.010 U | 0.005 | < 0.004 U |
| | 2/8/2002 | < 0.020 U | < 0.001 U | 0.002 J | 0.005 | < 0.002 U | 8.1 | < 0.005 U | < 0.002 U | 0.025 | < 0.001 U | 7.4 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.6 | < 0.001 U | < 0.003 U | 4.9 | < 0.010 U | 0.005 | < 0.004 U |
| | 4/26/2002 | 0.022 | < 0.001 U | 0.002 J | 0.004 | < 0.002 U | 8.5 | < 0.005 U | < 0.002 U | 0.034 | < 0.001 U | 7.5 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.5 | < 0.001 U | < 0.003 U | 4.6 | < 0.010 U | 0.004 | < 0.004 U |
| | 8/23/2002 | 0.057 M | < 0.001 U | 0.002 J | 0.006 | < 0.002 U | 8.8 | < 0.005 U | < 0.002 U | 0.02 | < 0.001 U | 7.4 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.8 | < 0.001 U | < 0.003 U | 5.6 | < 0.010 U | 0.005 | < 0.004 U |
| | 11/5/2002 | 0.042 M | < 0.001 U | 0.002 J | 0.006 | < 0.002 U | 8.8 M | < 0.005 U | < 0.002 U | 0.035 | < 0.001 U | 6.3 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.6 | < 0.001 U | < 0.003 U | 4.7 | < 0.010 U | 0.005 | < 0.004 U |

| | | ALUMINUM | ANTIMONY | ARSENIC | BARIUM | CADMIUM | CALCIUM | CHROMIUM | COPPER | IRON | LEAD | MAGNESIUM | MANGANESE | MERCURY | NICKEL | POTASSIUM | SELENIUM | SILVER | SODIUM | TIN | VANADIUM | ZINC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Federal Drinking Water Standards | | 0.05 - 0.2 | 0.006 | 0.01 | 2 | 0.005 | None | 0.1 | 1 | 0.3 | 0.015 | None | 0.05 | 0.002 | 0.1 | None | 0.05 | 0.1 Secondary | 20 | None | None | 5 |
| Groundwater Quality Criteria | | 0.05 - 0.2 | 0.006 | 0.00005 | 1 | 0.005 | None | 0.05 | 1 | 0.3 | 0.015 | None | 0.05 | 0.002 | 0.1 | None | 0.01 | 0.05 | 20 | None | None | 5 |
| MW-12 (cont.) | 1/31/2003 | < 0.020 U | < 0.001 U | 0.002 J | 0.006 | < 0.002 U | 10 | < 0.005 U | < 0.002 U | 0.032 | < 0.001 U | 7.8 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.7 | < 0.001 U | < 0.003 U | 5.2 | < 0.010 U | 0.005 | < 0.004 U |
| | 1/31/2003 | 0.024 | < 0.001 U | 0.002 J | 0.006 | < 0.002 U | 9.7 | < 0.005 U | < 0.002 U | 0.027 | < 0.001 U | 7.7 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.7 | < 0.001 U | < 0.003 U | 5 | < 0.010 U | 0.005 | < 0.004 U |
| | 4/30/2003 | 0.034 | < 0.001 U | 0.002 J | 0.005 | < 0.002 U | 10 | < 0.005 U | < 0.002 U | 0.034 | < 0.001 U | 7.9 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.6 | < 0.001 U | < 0.003 U | 5 | < 0.010 U | 0.005 | < 0.004 U |
| | 7/23/2003 | < 0.020 U | < 0.001 U | 0.002 J | 0.004 | < 0.002 U | 8.6 B | < 0.005 U | < 0.002 U | 0.039 | < 0.001 U | 6.6 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.4 | < 0.001 U | < 0.003 U | 4.3 | < 0.010 U | 0.004 | < 0.004 U |
| | 10/23/2003 | < 0.020 U | < 0.001 U | 0.002 J | 0.005 | < 0.002 U | 10 | < 0.005 U | < 0.002 U | 0.42 | < 0.001 U | 7.2 | 0.005 | < 0.0001 U | < 0.010 U | 1.6 | < 0.001 U | < 0.003 U | 4.8 | < 0.010 U | 0.005 | 0.005 |
| | 2/6/2004 | < 0.020 U | < 0.001 U | 0.002 J | 0.005 | < 0.002 U | 9.5 | < 0.005 U | < 0.002 U | 0.031 | < 0.001 U | 7 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.5 | < 0.001 U | < 0.003 U | 4.8 | < 0.010 U | 0.005 | < 0.004 U |
| | 5/6/2004 | < 0.020 U | < 0.001 U | 0.002 J | 0.005 B | < 0.002 U | 12 | < 0.005 U | < 0.002 U | 0.050 B | < 0.001 U | 7.8 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.7 | 0.001 J | < 0.003 U | 5.3 | < 0.010 U | 0.005 | < 0.004 U |
| | 8/19/2004 | < 0.020 U | < 0.001 U | 0.002 J | 0.005 | < 0.002 U | 10 B | < 0.005 U | < 0.002 U | 0.038 B | < 0.001 U | 7.8 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.6 | < 0.001 U | < 0.003 U | 4.9 | < 0.010 U | 0.005 | 0.009 |
| | 10/28/2004 | < 0.020 U | < 0.001 U | 0.002 J | 0.006 | < 0.002 U | 10 B | < 0.005 U | < 0.002 U | 0.053 B | < 0.001 U | 7.3 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.8 | < 0.001 U | < 0.003 U | 5 | < 0.010 U | 0.005 | < 0.004 U |
| | 2/3/2005 | | < 0.001 U | 0.0022 | 0.0050 J | < 0.0020 U | 11 B | < 0.0050 U | < 0.0020 U | 0.059 BJ | < 0.0010 U | 8.5 | < 0.0010 U | < 0.0001 U | < 0.010 U | 1.7 | < 0.010 U | < 0.0030 U | 5.5 | | 0.0046 | < 0.0040 U |
| | 5/5/2005 | | < 0.001 U | 0.0022 | 0.0050 J | < 0.0020 U | 12 B | < 0.0050 U | < 0.0020 U | 0.082 BJ | < 0.0010 U | 9.5 | < 0.0010 U | < 0.0001 U | < 0.010 U | 2 | < 0.010 U | < 0.0030 U | 6.3 | | 0.0058 | < 0.0040 U |
| | 7/28/2005 | | < 0.001 U | 0.0019 | 0.0042 J | < 0.0020 U | 9.1 B | < 0.0050 U | < 0.0020 U | 0.026 J | < 0.0010 U | 7 | < 0.0010 U | < 0.0001 U | < 0.010 U | 1.6 | < 0.010 U | < 0.0030 U | 4.5 | | 0.0043 | < 0.0040 U |
| | 7/28/2005 | | < 0.010 U | 0.002 | 0.0044 J | < 0.0020 U | 9.0 B | < 0.0050 U | < 0.0020 U | 0.0089 J | < 0.0010 U | 6.9 | < 0.0010 U | < 0.0001 U | < 0.010 U | 1.6 | < 0.0010 U | < 0.0030 U | 4.4 | | 0.0043 | < 0.0040 U |
| | 11/8/2005 | | < 0.001 U | 0.00224 | 0.00481 | < 0.002 U | 11.5 | < 0.005 U | < 0.002 U | 0.0545 B | < 0.001 U | 8.74 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.82 | < 0.001 U | < 0.003 U | 5.73 | | 0.00551 | < 0.004 U |
| | 2/28/2006 | | < 0.001 U | 0.0022 | 0.0059 | < 0.002 U | 12 | < 0.005 U | < 0.002 U | 0.027 | < 0.001 U | 8.8 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.9 | < 0.001 U | < 0.003 U | 5.8 | | 0.0054 | < 0.004 U |
| | 5/9/2006 | | < 0.001 U | 0.0021 | 0.0047 | < 0.002 U | 9 | < 0.005 U | < 0.002 U | < 0.005 U | < 0.001 U | 7.4 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.5 | < 0.001 U | < 0.003 U | 5 | | 0.0053 | < 0.004 U |
| | 8/4/2006 | | < 0.001 U | 0.0023 | 0.0045 B | < 0.002 U | 9 | < 0.005 U | < 0.002 U | 0.072 | < 0.001 U | 6.8 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.4 | < 0.001 U | < 0.003 U | 4.5 | | 0.0053 | < 0.004 U |
| | 11/9/2006 | | < 0.001 U | 0.0019 | 0.0047 | < 0.002 U | 9.5 | < 0.005 U | < 0.002 U | 0.047 B | < 0.001 U | 7.2 B | < 0.001 U | < 0.0001 U | < 0.01 U | 1.5 | < 0.001 U | < 0.003 U | 4.6 B | | 0.0044 | < 0.004 U |
| | 1/30/2007 | | < 0.001 U | 0.0019 | 0.0036 | < 0.002 U | 9.1 | < 0.005 U | < 0.002 U | 0.059 | < 0.001 U | 6.9 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.5 | < 0.001 U | < 0.003 U | 4.6 | | 0.0047 | 0.0063 |
| | 1/30/2007 | | < 0.001 U | 0.0021 | 0.0039 | < 0.002 U | 9.3 | < 0.005 U | < 0.002 U | 0.026 | < 0.001 U | 7.1 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.6 | < 0.001 U | < 0.003 U | 4.7 | | 0.0049 | 0.006 |
| | 4/27/2007 | | < 0.001 U | 0.0022 | 0.0046 | < 0.002 U | 9.3 | < 0.005 U | < 0.002 U | 0.066 | < 0.001 U | 7 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.5 | < 0.001 U | < 0.003 U | 4.6 | | 0.0053 | < 0.004 U |
| | 8/2/2007 | | < 0.001 U | 0.0021 | 0.0043 | < 0.002 U | 8.7 | < 0.005 U | < 0.002 U | 0.026 | < 0.001 U | 7 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.5 | < 0.001 U | < 0.003 U | 4.4 | | 0.0049 | < 0.004 U |
| | 11/2/2007 | | < 0.001 U | 0.0021 | 0.0044 | < 0.002 U | 9.1 | < 0.005 U | < 0.002 U | 0.12 B | < 0.001 U | 7 | < 0.001 U | < 0.00014 U | < 0.01 U | 1.4 | < 0.001 U | < 0.003 U | 4.5 | | 0.005 | < 0.004 U |
| | 2/11/2008 | | < 0.001 U | 0.002 | 0.004 | < 0.002 U | 9.1 | < 0.005 U | < 0.002 U | 0.033 | < 0.001 U | 7 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.4 | < 0.001 U | < 0.003 U | 4.7 | | 0.0048 | < 0.004 U |
| | 5/12/2008 | | < 0.001 U | 0.0056 U | 0.011 U | < 0.002 U | 13 U | < 0.005 U | < 0.002 U | 0.067 B | < 0.001 U | 7.9 U | 0.14 U | < 0.0001 U | < 0.01 U | 2.3 U | < 0.001 U | < 0.003 U | 5.4 B | | < 0.002 U | 0.0048 |
| | 8/7/2008 | | < 0.0009 U | 0.0017 | 0.0043 | < 0.0018 U | 9.2 | < 0.0045 U | < 0.0018 U | 0.031 | < 0.0009 U | 7 | < 0.0009 U | < 0.0001 U | < 0.009 U | 1.4 | < 0.0009 U | < 0.0027 U | 4.4 | | 0.0047 | < 0.0036 U |
| | 11/13/2008 | | < 0.001 U | 0.0019 | 0.0046 | < 0.002 U | 9.7 | < 0.005 U | < 0.002 U | 0.068 | < 0.001 U | 7.6 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.5 | < 0.001 U | < 0.003 U | 4.9 | | 0.005 | < 0.004 U |
| | 2/4/2009 | | < 0.001 U | 0.0021 | 0.0042 | < 0.002 U | 9.5 | < 0.005 U | < 0.002 U | 0.051 B | < 0.001 U | 7.5 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.5 | < 0.001 U | < 0.003 U | 4.7 | | 0.0052 | < 0.004 U |
| | 2/4/2009 | | < 0.001 U | 0.0018 | 0.004 | < 0.002 U | 9.3 | < 0.005 U | < 0.002 U | 0.023 B | < 0.001 U | 7.4 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.5 | < 0.001 U | < 0.003 U | 4.7 | | 0.005 | < 0.004 U |
| | 5/13/2009 | | < 0.001 U | 0.00222 | 0.00438 | < 0.002 U | 9.84 | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 7.79 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.65 | < 0.001 U | < 0.003 U | 5.1 | | 0.00456 | < 0.004 U |
| | 8/4/2009 | | < 0.001 U | 0.00227 | 0.0042 | < 0.002 U | 9.88 | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 8.46 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.75 | < 0.001 U | < 0.003 U | 5.39 | | 0.00513 | < 0.004 U |
| | 11/2/2009 | | < 0.001 U | 0.00203 | 0.00443 | < 0.002 U | 9.88 | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 7.55 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.64 | < 0.001 U | < 0.003 U | 4.93 | | 0.00453 | < 0.004 U |
| | 2/5/2010 | | < 0.001 U | 0.00226 | 0.00445 | < 0.002 U | 9.87 | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 8.21 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.66 | < 0.001 U | < 0.003 U | 5.3 | | 0.00509 | < 0.004 U |
| | 5/6/2010 | | < 0.001 U | 0.00225 | 0.00411 | < 0.002 U | 8.97 | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 8.08 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.58 | < 0.001 U | < 0.003 U | 5.17 | | 0.00481 | < 0.004 U |
| | 9/28/2010 | | < 0.001 U | 0.00207 | 0.00397 | < 0.002 U | 9.22 | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 8.43 | < 0.001 DU | < 0.0001 U | < 0.01 U | 1.67 | < 0.001 U | < 0.003 U | 5.21 | | 0.00462 | < 0.004 U |
| | 11/9/2010 | | < 0.001 U | 0.0022 | 0.00415 | < 0.002 U | 9.11 D | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 8.11 | < 0.001 DU | < 0.0001 U | < 0.01 U | 1.74 | < 0.001 U | < 0.003 U | 5.16 | | 0.00489 | < 0.004 U |
| MW-19 | 2/15/2000 | < 0.020 U | < 0.001 U | 0.005 | 0.02 | < 0.002 U | 14 | < 0.005 U | < 0.002 U | 0.007 J | < 0.001 U | 12 | 0.32 | < 0.0001 U | < 0.010 U | 2.3 | < 0.001 U | < 0.003 U | 5.8 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 5/11/2000 | < 0.020 U | < 0.001 U | 0.004 J | 0.02 | < 0.002 U | 18 | < 0.005 U | < 0.002 U | 0.014 | < 0.001 U | 16 | 0.26 | < 0.0001 U | < 0.010 U | 2.5 | < 0.001 U | < 0.003 U | 7.5 | < 0.010 U | < 0.002 U | 0.005 J |
| | 8/16/2000 | < 0.020 U | < 0.001 U | 0.004 J | 0.021 | 0.002 | 12 | < 0.005 U | < 0.002 U | 0.031 | < 0.001 U | 11 | 0.31 | < 0.0001 U | < 0.010 U | 2.3 | < 0.001 U | < 0.003 U | 5.9 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 11/14/2000 | < 0.020 U | < 0.001 U | 0.004 J | 0.019 | < 0.002 U | 9.2 | < 0.005 U | < 0.002 U | 0.028 | < 0.001 U | 8.8 | 0.22 | < 0.0001 U | < 0.010 U | 2.1 | < 0.001 U | < 0.003 U | 5.5 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 2/26/2001 | < 0.020 U | < 0.001 U | 0.004 J | 0.018 | < 0.002 U | 11 | < 0.005 U | < 0.002 U | 0.028 | < 0.001 U | 11 | 0.18 | < 0.0001 U | < 0.010 U | 2.2 | < 0.001 U | < 0.003 U | 5.8 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 5/9/2001 | < 0.020 U | < 0.001 U | 0.004 J | 0.017 | < 0.002 U | 10 | < 0.005 U | < 0.002 U | 0.055 | < 0.001 U | 10 | 0.16 | < 0.0001 U | < 0.010 U | 2.2 | < 0.001 U | < 0.003 U | 5.7 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 7/26/2001 | < 0.020 U | < 0.001 U | 0.004 J | 0.02 | < 0.002 U | 9.9 | < 0.005 U | < 0.002 U | 0.027 | < 0.001 U | 9.3 | 0.32 | < 0.0001 U | < 0.010 U | 2.2 | < 0.001 U | < 0.003 U | 5.6 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 11/6/2001 | 0.048 | < 0.001 U | 0.003 J | 0.018 | < 0.002 U | 11 | < 0.005 U | < 0.002 U | 0.037 | < 0.001 U | 11 | 0.33 | < 0.0001 U | < 0.010 U | 2.3 | < 0.001 U | < 0.003 U | 6.3 | < 0.010 U | < 0.002 U | 0.011 |
| | 2/11/2002 | < 0.020 U | < 0.001 U | 0.003 J | 0.017 | < 0.002 U | 10 | < 0.005 U | < 0.002 U | 0.045 | < 0.001 U | 11 | 0.31 | < 0.0001 U | < 0.010 U | 2.1 | < 0.001 U | < 0.003 U | 5.8 | < 0.010 U | < 0.002 U | 0.005 |
| | 4/24/2002 | < 0.020 U | < 0.001 U | 0.003 J | 0.017 | < 0.002 U | 11 | < 0.005 U | < 0.002 U | 0.052 | < 0.001 U | 11 | 0.38 | < 0.0001 U | < 0.010 U | 2.1 | 0.001 J | < 0.003 U | 5.5 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 8/12/2002 | 0.028 | < 0.001 U | 0.004 J | 0.022 | < 0.002 U | 14 | < 0.005 U | < 0.002 U | 0.069 | < 0.001 U | 13 | 0.47 | < 0.0001 U | < 0.010 U | 2.5 | < 0.001 U | < 0.003 U | 6.6 | < 0.010 U | < 0.002 U | 0.006 |
| | 10/30/2002 | 0.12 | < 0.001 U | 0.003 J | 0.019 | < 0.002 U | 10 | < 0.005 U | < 0.002 U | 0.082 | < 0.001 U | 9.8 | 0.4 | < 0.0001 U | < 0.010 U | 2.1 | < 0.001 U | < 0.003 U | 5.1 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 1/30/2003 | 0.025 | < 0.001 U | 0.003 J | 0.02 | < 0.002 U | 13 | < 0.005 U | < 0.002 U | 0.056 | < 0.001 U | 12 | 0.47 | < 0.0001 U | < 0.010 U | 2.4 | < 0.001 U | < 0.003 U | 6.4 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 4/23/2003 | < 0.020 U | < 0.001 U | 0.003 J | 0.016 | < 0.002 U | 13 | < 0.005 U | < 0.002 U | 0.062 | < 0.001 U | 12 | 0.43 | < 0.0001 U | < 0.010 U | 2.1 | < 0.001 U | 0.011 | 5.9 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 7/21/2003 | < 0.020 U | < 0.001 U | 0.003 J | 0.018 | < 0.002 U | 13 B | < 0.005 U | < 0.002 U | 0.061 | < 0.001 U | 11 | 0.48 | < 0.0001 U | < 0.010 U | 2.2 | 0.001 J | < 0.003 U | 5.7 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 10/17/2003 | < 0.020 U | < 0.001 U | 0.003 J | 0.017 | < 0.002 U | 14 | < 0.005 U | < 0.002 U | 0.084 | < 0.001 U | 11 | 0.46 | < 0.0001 U | < 0.01 U | 2.1 | < 0.001 U | < 0.003 U | 5.8 | < 0.01 U | < 0.002 U | < 0.004 U |
| | 2/10/2004 | < 0.020 U | < 0.001 U | 0.003 J | 0.018 | < 0.002 U | 14 | < 0.005 U | < 0.002 U | 0.049 | < 0.001 U | 12 | 0.43 | < 0.0001 U | < 0.010 U | 2.1 | < 0.001 U | < 0.003 U | 5.9 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 5/5/2004 | < 0.020 U | < 0.001 U | 0.003 J | 0.017 B | < 0.002 U | 16 | < 0.005 U | < 0.002 U | 0.068 B | < 0.001 U | 12 | 0.51 | < 0.0001 U | < 0.010 U | 2.4 | < 0.001 U | < 0.003 U | 6.4 | < 0.010 U | < 0.002 U | 0.006 |

Vashon Closed Landfill Western Hillslope Investigation

| | | ALUMINUM | ANTIMONY | ARSENIC | BARIUM | CADMIUM | CALCIUM | CHROMIUM | COPPER | IRON | LEAD | MAGNESIUM | MANGANESE | MERCURY | NICKEL | POTASSIUM | SELENIUM | SILVER | SODIUM | TIN | VANADIUM | ZINC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Federal Drinking Water Standards | | 0.05 - 0.2 | 0.006 | 0.01 | 2 | 0.005 | None | 0.1 | 1 | 0.3 | 0.015 | None | 0.05 | 0.002 | 0.1 | None | 0.05 | 0.1 Secondary | 20 | None | None | 5 |
| Groundwater Quality Criteria | | 0.05 - 0.2 | 0.006 | 0.00005 | 1 | 0.005 | None | 0.05 | 1 | 0.3 | 0.015 | None | 0.05 | 0.002 | 0.1 | None | 0.01 | 0.05 | 20 | None | None | 5 |
| MW-19 | 8/17/2004 | < 0.020 U | < 0.001 U | 0.003 J | 0.018 | < 0.002 U | 14 B | < 0.005 U | < 0.002 U | 0.066 B | < 0.001 U | 12 | 0.52 | < 0.0001 U | < 0.010 U | 2.2 | < 0.001 U | < 0.003 U | 6 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 10/27/2004 | 0.047 | < 0.001 U | 0.027 | 0.018 | < 0.002 U | 15 | < 0.005 U | < 0.002 U | 0.12 | < 0.001 U | 13 | 0.55 | < 0.0001 U | < 0.010 U | 2.5 | < 0.001 U | < 0.003 U | 6.8 | < 0.010 U | < 0.002 U | < 0.004 U |
| | 2/1/2005 | | < 0.001 U | 0.0023 | 0.021 J | < 0.0020 U | 15 | < 0.0050 U | < 0.0020 U | 0.091 BJ | < 0.0010 U | 14 | 0.49 | < 0.0001 U | 0.011 | 2.4 | < 0.010 U | < 0.0030 U | 6.6 | | < 0.0020 U | < 0.0040 U |
| | 5/4/2005 | | < 0.001 U | 0.0026 | 0.016 J | < 0.0020 U | 15 B | < 0.0050 U | < 0.0020 U | 0.057 BJ | < 0.0010 U | 14 | 0.51 | 0.0001 | < 0.010 U | 2.5 | < 0.010 U | < 0.0030 U | 7 | | < 0.0020 U | < 0.0040 U |
| | 8/1/2005 | | < 0.001 U | 0.0022 | 0.016 J | < 0.0020 U | 16 | < 0.0050 U | < 0.0020 U | 0.057 BJ | < 0.0010 U | 14 | 0.48 MJ | < 0.0001 U | < 0.010 U | 2.6 | < 0.010 U | < 0.0030 U | 7.3 | | < 0.0020 U | < 0.0040 U |
| | 11/8/2005 | | < 0.001 U | 0.00246 | 0.0184 | < 0.002 U | 16 | < 0.005 U | < 0.002 U | 0.0822 B | < 0.001 U | 13.6 | | < 0.0001 U | < 0.01 U | 2.42 | < 0.001 U | < 0.003 U | 6.73 | | < 0.002 U | 0.0112 |
| | 2/2/2006 | | < 0.001 U | 0.0023 | 0.019 | < 0.002 U | 13 | < 0.005 U | < 0.002 U | 0.063 | < 0.001 U | 11 | 0.47 | < 0.0001 U | < 0.01 U | 2.2 | < 0.001 U | < 0.003 U | 5.5 | | < 0.002 U | < 0.004 U |
| | 5/3/2006 | | < 0.001 U | 0.0022 | 0.017 | < 0.002 U | 14 | < 0.005 U | < 0.002 U | 0.013 | < 0.001 U | 13 | 0.51 D | | < 0.01 U | 2.2 | < 0.001 U | < 0.003 U | 6.3 | | < 0.002 U | < 0.004 U |
| | 8/8/2006 | | < 0.001 U | 0.0024 | 0.017 B | < 0.002 U | 13 | < 0.005 U | < 0.002 U | 0.09 | < 0.001 U | 11 | 0.45 | < 0.0001 U | < 0.01 U | 1.9 | < 0.001 U | < 0.003 U | 5.6 | | < 0.002 U | < 0.004 U |
| | 11/13/2006 | | < 0.001 U | 0.002 | 0.017 | < 0.002 U | 14 | < 0.005 U | < 0.002 U | 0.075 B | < 0.001 U | 12 B | 0.47 | < 0.0001 U | < 0.01 U | 2.1 | < 0.001 U | < 0.003 U | 5.8 B | | < 0.002 U | < 0.004 U |
| | 1/30/2007 | | < 0.001 U | 0.0021 | 0.015 | < 0.002 U | 13 | < 0.005 U | < 0.002 U | 0.073 | < 0.001 U | 12 | 0.51 | < 0.0001 U | < 0.01 U | 2.2 | < 0.001 U | < 0.003 U | 5.9 | | < 0.002 U | < 0.004 U |
| | 4/27/2007 | | < 0.001 U | 0.0021 | 0.017 | < 0.002 U | 14 | < 0.005 U | < 0.002 U | 0.11 | < 0.001 U | 12 | 0.5 | < 0.0001 U | < 0.01 U | 2.2 | < 0.001 U | < 0.003 U | 5.7 | | < 0.002 U | 0.0054 |
| | 8/10/2007 | | < 0.001 U | 0.0023 | 0.016 | < 0.002 U | 14 | < 0.005 U | < 0.002 U | 0.07 | < 0.001 U | 12 | 0.51 | < 0.0001 U | < 0.01 U | 2.3 | < 0.001 U | < 0.003 U | 5.9 | | < 0.002 U | < 0.004 U |
| | 11/16/2007 | | < 0.001 U | 0.0022 | 0.016 | < 0.002 U | 14 | < 0.005 U | < 0.002 U | 0.047 B | < 0.001 U | 11 | 0.43 | < 0.00014 U | < 0.01 U | 2.2 | < 0.001 U | < 0.003 U | 5.4 | | < 0.002 U | < 0.004 U |
| | 2/7/2008 | | < 0.001 U | 0.002 | 0.015 | < 0.002 U | 14 | < 0.005 U | < 0.002 U | 0.15 | < 0.001 U | 12 | 0.48 | < 0.0001 U | < 0.01 U | 2.1 | < 0.001 U | < 0.003 U | 5.8 | | < 0.002 U | 0.066 |
| | 5/7/2008 | | < 0.001 U | 0.0022 | 0.019 | < 0.002 U | 16 | < 0.005 U | < 0.002 U | 0.15 B | < 0.001 U | 14 | 0.49 | < 0.0001 U | < 0.01 U | 2.5 | < 0.001 U | < 0.003 U | 6.8 | | < 0.002 U | 0.0055 |
| | 8/6/2008 | | < 0.0009 U | 0.0018 | 0.017 | < 0.0018 U | 15 | < 0.0045 U | < 0.0018 U | 0.17 | < 0.0009 U | 13 | 0.54 | < 0.0001 U | < 0.009 U | 2.1 | < 0.0009 U | < 0.0027 U | 6.1 | | < 0.0018 U | 0.0048 |
| | 8/6/2008 | | < 0.0009 U | 0.0018 | 0.018 | < 0.0018 U | 15 | < 0.0045 U | < 0.0018 U | 0.18 | < 0.0009 U | 14 | 0.55 | < 0.0001 U | < 0.009 U | 2.2 | < 0.0009 U | < 0.0027 U | 6.4 | | < 0.0018 U | 0.0088 |
| | 11/6/2008 | | < 0.001 U | 0.0017 | 0.016 | < 0.002 U | 15 | < 0.005 U | < 0.002 U | 0.083 | < 0.001 U | 13 | 0.56 | < 0.0001 U | < 0.01 U | 2.2 | < 0.001 U | < 0.003 U | 6.2 | | < 0.002 U | < 0.004 U |
| | 2/4/2009 | | < 0.001 U | 0.002 | 0.0031 | < 0.002 U | 10 | < 0.005 U | < 0.002 U | 0.035 B | < 0.001 U | 8.4 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.7 | < 0.001 U | < 0.003 U | 4.8 | | 0.0036 | 0.0049 |
| | 5/4/2009 | | < 0.001 U | 0.00182 | 0.0176 | < 0.002 U | 16.2 | < 0.005 U | < 0.002 U | 0.027 T | < 0.001 U | 15.1 | 0.533 | < 0.0001 U | < 0.01 U | 2.63 | < 0.001 U | < 0.003 U | 6.89 | | < 0.002 U | < 0.004 U |
| | 7/31/2009 | | < 0.001 U | 0.00209 | 0.0206 | < 0.002 U | 16.1 | < 0.005 U | < 0.002 U | 0.0532 | < 0.001 U | 14.2 | 0.706 D | < 0.0001 U | < 0.01 U | 2.69 | < 0.001 U | < 0.003 U | 6.43 | | < 0.002 U | < 0.004 U |
| | 11/5/2009 | | < 0.001 U | 0.00188 | 0.0189 | < 0.002 U | 15.8 | < 0.005 U | < 0.002 U | 0.048 T | < 0.001 U | 14.9 | 0.574 | < 0.0001 U | < 0.01 U | 2.45 | < 0.001 U | < 0.003 U | 6.86 | | < 0.002 U | < 0.004 U |
| | 2/4/2010 | | < 0.001 U | 0.00189 | 0.0191 | < 0.002 U | 16.7 | < 0.005 U | < 0.002 U | 0.042 T | < 0.001 U | 16.2 | 0.558 | < 0.0001 U | < 0.01 U | 2.57 | < 0.001 U | < 0.003 U | 7.28 | | < 0.002 U | < 0.004 U |
| | 5/3/2010 | | < 0.001 U | 0.00173 | 0.0171 | < 0.002 U | 14.8 | < 0.005 U | < 0.002 U | 0.042 T | < 0.001 U | 15.1 | 0.491 | < 0.0001 U | < 0.01 U | 2.32 | < 0.001 U | < 0.003 U | 6.83 | | < 0.002 U | < 0.004 U |
| | 8/9/2010 | | < 0.001 U | 0.00223 | 0.035 | < 0.002 U | 18.1 | < 0.005 U | < 0.002 U | 0.101 | < 0.001 U | 16.1 | 1.35 | < 0.0001 U | < 0.01 U | 2.56 | < 0.001 U | < 0.003 U | 7.27 | | < 0.002 U | < 0.004 U |
| | 11/8/2010 | | < 0.001 U | 0.00235 | 0.0643 | < 0.002 U | 15.9 D | < 0.005 U | < 0.002 U | 0.191 | < 0.001 U | 16.2 | 1.29 D | < 0.0001 U | < 0.01 U | 2.57 | < 0.001 U | < 0.003 U | 7.04 | | < 0.002 U | < 0.004 U |
| MW-27 | 10/28/2003 | < 0.020 U | < 0.001 U | < 0.001 U | 0.004 | < 0.002 U | 11 | < 0.005 U | < 0.002 U | 0.046 | < 0.001 U | 8.8 | < 0.001 U | < 0.0001 U | < 0.010 U | 0.99 | < 0.001 U | < 0.003 U | 5.3 | < 0.010 U | 0.002 | < 0.004 U |
| | 12/2/2003 | < 0.020 U | < 0.001 U | < 0.001 U | 0.004 | < 0.002 U | 14 | < 0.005 U | < 0.002 U | 0.061 | < 0.001 U | 11 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.3 | < 0.001 U | < 0.003 U | 7 | < 0.010 U | 0.003 | < 0.004 U |
| | 1/14/2004 | 0.03 | < 0.001 U | < 0.001 U | 0.004 | < 0.002 U | 13 | < 0.005 U | < 0.002 U | 0.037 | < 0.001 U | 10 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.2 | < 0.001 U | < 0.003 U | 6.3 | < 0.010 U | 0.003 | < 0.004 U |
| | 2/17/2004 | < 0.020 U | < 0.001 U | < 0.001 U | 0.004 | < 0.002 U | 14 | < 0.005 U | < 0.002 U | 0.048 | < 0.001 U | 10 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.2 | < 0.001 U | < 0.003 U | 6.1 | < 0.010 U | 0.003 | < 0.004 U |
| | 3/17/2004 | 0.047 | < 0.001 U | < 0.001 U | 0.005 | < 0.002 U | 13 | < 0.005 U | < 0.002 U | 0.071 | < 0.001 U | 11 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.2 | < 0.001 U | < 0.003 U | 6.3 | < 0.010 U | 0.003 | 0.016 |
| | 4/19/2004 | < 0.020 U | < 0.001 U | < 0.001 U | 0.005 | < 0.002 U | 13 | < 0.005 U | < 0.002 U | 0.038 B | < 0.001 U | 10 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.2 | < 0.001 U | < 0.003 U | 5.8 | < 0.010 U | 0.003 | < 0.004 U |
| | 5/24/2004 | < 0.020 U | < 0.001 U | < 0.001 U | 0.004 | < 0.002 U | 14 | < 0.005 U | < 0.002 U | 0.05 | < 0.001 U | 11 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.3 | < 0.001 U | < 0.003 U | 6.2 | < 0.010 U | 0.003 | < 0.004 U |
| | 6/28/2004 | 0.029 | < 0.001 U | < 0.001 U | 0.004 | < 0.002 U | 13 B | < 0.005 U | < 0.002 U | 0.046 B | < 0.001 U | 9.9 | < 0.001 U | < 0.0001 BU | < 0.010 U | 1.2 | < 0.001 U | < 0.003 U | 6.1 | < 0.010 U | 0.003 | < 0.004 BU |
| | 8/11/2004 | < 0.020 BU | < 0.001 U | < 0.001 U | 0.048 | < 0.002 U | 13 B | < 0.005 U | < 0.002 U | 0.054 B | < 0.001 U | 10 | < 0.001 U | < 0.0001 U | < 0.010 U | 1.2 | < 0.001 U | < 0.003 U | 5.8 | < 0.010 U | 0.003 | 0.011 |
| | 11/2/2004 | 0.041 | < 0.001 U | < 0.001 U | 0.005 | 0.003 | 14 B | < 0.005 U | < 0.002 U | 0.11 | < 0.001 U | 10 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.3 | < 0.001 U | < 0.003 U | 6.2 | < 0.01 U | 0.003 | < 0.004 U |
| | 2/2/2005 | | < 0.001 U | 0.0011 | 0.0070 J | < 0.0020 U | 15 B | < 0.0050 U | < 0.0020 U | 0.086 BJ | < 0.0010 U | 12 | < 0.0010 U | < 0.0001 U | < 0.010 U | 1.5 | 0.0014 J | < 0.0030 U | 7.1 | | 0.0029 | < 0.0040 U |
| | 2/2/2005 | | < 0.001 U | < 0.001 U | 0.0064 J | < 0.0020 U | 14 B | < 0.0050 U | < 0.0020 U | 0.077 BJ | < 0.0010 U | 12 | < 0.0010 U | < 0.0001 U | < 0.010 U | 1.3 | < 0.010 U | < 0.0030 U | 6.7 | | 0.0028 | < 0.0040 U |
| | 5/6/2005 | | < 0.001 U | < 0.001 U | 0.0039 J | < 0.0020 U | 15 B | < 0.0050 U | < 0.0020 U | 0.062 BJ | < 0.0010 U | 12 | < 0.0010 U | < 0.0001 U | < 0.010 U | 1.5 | < 0.010 U | < 0.0030 U | 7.3 | | 0.0031 | < 0.0040 U |
| | 8/3/2005 | | < 0.001 U | < 0.001 U | 0.0044 J | < 0.0020 U | 13 | < 0.0050 U | 0.0026 J | 0.011 BJ | < 0.0010 U | 12 | < 0.0010 U | < 0.0001 U | < 0.010 U | 1.3 | < 0.010 U | < 0.0030 U | 6.3 | | 0.0027 | < 0.0040 U |
| | 11/4/2005 | | < 0.001 U | < 0.001 U | 0.00416 | < 0.002 U | 15.3 | < 0.005 U | < 0.002 U | 0.0703 B | < 0.001 U | 12 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.39 | < 0.001 U | < 0.003 U | 6.92 | | 0.00316 | < 0.004 U |
| | 2/28/2006 | | < 0.001 U | < 0.001 U | 0.0052 | < 0.002 U | 17 | < 0.005 U | < 0.002 U | 0.049 | < 0.001 U | 13 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.5 | < 0.001 U | < 0.003 U | 7.4 | | 0.0033 | < 0.004 U |
| | 5/8/2006 | | < 0.001 U | < 0.001 U | 0.0045 | < 0.002 U | 13 | < 0.005 U | < 0.002 U | < 0.005 U | < 0.001 U | 11 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.3 | < 0.001 U | < 0.003 U | 6.2 | | 0.0033 | < 0.004 U |
| | 8/1/2006 | | < 0.001 U | 0.0013 | 0.0043 B | < 0.002 U | 12 | < 0.005 U | < 0.002 U | 0.069 | < 0.001 U | 9.2 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.1 | 0.0019 | < 0.003 U | 5.3 | | 0.003 | < 0.004 U |
| | 11/15/2006 | | < 0.001 U | < 0.001 U | 0.0045 | < 0.002 U | 13 | < 0.005 U | < 0.002 U | 0.082 B | < 0.001 U | 9.9 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.2 | < 0.001 U | < 0.003 U | 6 | | 0.0028 | < 0.004 U |
| | 1/31/2007 | | < 0.001 U | < 0.001 U | 0.0035 | < 0.002 U | 12 B | < 0.005 U | < 0.002 U | 0.04 | < 0.001 U | 9.5 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.2 | < 0.001 U | < 0.003 U | 5.8 | | 0.0027 | < 0.004 U |
| | 4/26/2007 | | < 0.001 U | < 0.001 U | 0.0046 | < 0.002 U | 13 | < 0.005 U | < 0.002 U | 0.055 | < 0.001 U | 9.9 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.1 | < 0.001 U | < 0.003 U | 5.7 | | 0.0029 | 0.005 |
| | 8/6/2007 | | < 0.001 U | < 0.001 U | 0.0038 | < 0.002 U | 12 | < 0.005 U | < 0.002 U | 0.04 | < 0.001 U | 9.3 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.2 | < 0.001 U | < 0.003 U | 5.3 | | 0.0028 | < 0.004 U |
| | 11/5/2007 | | < 0.001 U | < 0.001 U | 0.0039 | < 0.002 U | 12 | < 0.005 U | < 0.002 U | 0.059 B | < 0.001 U | 9.2 | < 0.001 U | < 0.00014 U | < 0.01 U | 1.1 | < 0.001 U | < 0.003 U | 5.5 | | 0.0029 | < 0.004 U |
| | 2/6/2008 | | < 0.001 U | < 0.001 U | 0.0039 | < 0.002 U | 12 | < 0.005 U | < 0.002 U | 0.041 | < 0.001 U | 9.6 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.1 | < 0.001 U | < 0.003 U | 5.7 | | 0.0028 | < 0.004 U |
| | 5/15/2008 | | < 0.001 U | < 0.001 U | 0.0047 | < 0.002 U | 12 | < 0.005 U | < 0.002 U | 0.055 B | < 0.001 U | 9.9 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.2 | < 0.001 U | < 0.003 U | 5.8 B | | 0.0025 | < 0.004 U |
| | 8/8/2008 | | < 0.0009 U | < 0.0009 U | 0.0044 | < 0.0018 U | 12 | < 0.0045 U | < 0.0018 U | 0.04 | < 0.0009 U | 9 | < 0.0009 U | < 0.0001 U | < 0.009 U | 1.1 | < 0.0009 U | < 0.0027 U | 5.6 | | 0.0025 | < 0.0036 U |
| | 11/4/2008 | | < 0.001 U | < 0.001 U | 0.0035 | < 0.002 U | 12 | < 0.005 U | < 0.002 U | 0.3 | < 0.001 U | 9.6 | 0.0018 | < 0.0001 U | < 0.01 U | 1.2 | < 0.001 U | < 0.003 U | 5.6 | | 0.0027 | < 0.004 U |
| | 2/23/2009 | | < 0.001 U | < 0.001 U | 0.0042 | < 0.002 U | 13 | < 0.005 U | < 0.002 U | 0.037 | < 0.001 U | 10 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.2 | < 0.001 U | < 0.003 U | 6.1 B | | 0.0021 | < 0.004 U |
| | 5/1/2009 | | < 0.001 U | < 0.001 U | 0.00408 | < 0.002 U | 12.8 | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 10.9 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.37 | < 0.001 U | < 0.003 U | 6.28 | | 0.00297 | < 0.004 U |
| | 8/11/2009 | | < 0.001 U | < 0.001 U | 0.00407 | < 0.002 U | 12.8 | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 11 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.38 | < 0.001 U | < 0.003 U | 6.39 | | 0.00295 | < 0.004 U |
| | 11/5/2009 | | < 0.001 U | < 0.001 U | 0.00422 | < 0.002 U | 12.9 | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 10.3 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.38 | < 0.001 U | < 0.003 U | 6.03 | | 0.00277 | < 0.004 DU |

Vashon Closed Landfill Western Hillslope Investigation

| | | ALUMINUM | ANTIMONY | ARSENIC | BARIUM | CADMIUM | CALCIUM | CHROMIUM | COPPER | IRON | LEAD | MAGNESIUM | MANGANESE | MERCURY | NICKEL | POTASSIUM | SELENIUM | SILVER | SODIUM | TIN | VANADIUM | ZINC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| Federal Drinking Water Standards | | 0.05 - 0.2 | 0.006 | 0.01 | 2 | 0.005 | None | 0.1 | 1 | 0.3 | 0.015 | None | 0.05 | 0.002 | 0.1 | None | 0.05 | 0.1 Secondary | 20 | None | None | 5 |
| Groundwater Quality Criteria | | 0.05 - 0.2 | 0.006 | 0.00005 | 1 | 0.005 | None | 0.05 | 1 | 0.3 | 0.015 | None | 0.05 | 0.002 | 0.1 | None | 0.01 | 0.05 | 20 | None | None | 5 |
| MW-27 (cont.) | 2/5/2010 | | < 0.001 U | < 0.001 U | 0.00434 | < 0.002 U | 13 | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 11.2 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.35 | < 0.001 U | < 0.003 U | 6.55 | | 0.00296 | < 0.004 U |
| | 4/29/2010 | | < 0.001 U | < 0.001 U | 0.00414 | < 0.002 U | 12.3 | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 11.5 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.32 | < 0.001 U | < 0.003 U | 6.63 | | 0.00267 | < 0.004 U |
| | 8/10/2010 | | < 0.001 U | < 0.001 U | 0.00413 | < 0.002 U | 12.2 | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 11 | < 0.001 U | < 0.0001 U | < 0.01 U | 1.34 | < 0.001 U | < 0.003 U | 6.72 | | 0.00279 | < 0.004 U |
| | 11/5/2010 | | < 0.001 U | < 0.001 U | 0.00415 | < 0.002 U | 11.7 D | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 10.7 | < 0.001 DU | < 0.0001 U | < 0.01 U | 1.36 | < 0.001 U | < 0.003 U | 6.33 | | 0.00273 | < 0.004 U |
| MW-30 | 1/26/2010 | | < 0.001 U | < 0.001 U | 0.0125 | < 0.002 U | 24.4 | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 19.5 | 0.0888 | < 0.0001 U | < 0.01 U | 1.3 | < 0.001 U | < 0.003 U | 11.6 | | 0.00234 | 0.0174 |
| | 4/29/2010 | | < 0.001 U | < 0.001 U | 0.0108 | < 0.002 U | 24.8 | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 20.7 | 0.0582 | < 0.0001 U | < 0.01 U | 1.36 | < 0.001 U | < 0.003 U | 11.9 | | 0.0022 | 0.00498 |
| | 8/17/2010 | | < 0.001 U | < 0.001 U | 0.0111 | < 0.002 U | 26.2 | 0.00507 | < 0.002 U | < 0.01 U | < 0.001 U | 20.5 | 0.0177 | < 0.0001 U | < 0.01 U | 1.48 | < 0.001 U | < 0.003 U | 12.1 | | 0.00265 | 0.0724 |
| | 11/9/2010 | | < 0.001 U | < 0.001 U | 0.0125 | < 0.002 U | 24.3 D | < 0.005 U | < 0.002 U | 0.056 | < 0.001 U | 19.2 | 0.00621 D | < 0.0001 U | < 0.01 U | 1.43 | < 0.001 U | < 0.003 U | 11.3 | | 0.00268 | 0.00445 |
| MW-31 | 1/28/2010 | | < 0.001 DU | < 0.001 U | 0.00985 D | < 0.002 U | 22.1 | < 0.005 DU | 0.00275 | 0.043 T | < 0.001 U | 22.8 D | 0.0261 | < 0.0001 U | < 0.01 U | 0.695 D | < 0.001 U | < 0.003 U | 7.61 | | 0.00231 D | 0.00744 |
| | 4/22/2010 | | < 0.001 U | < 0.001 U | 0.00605 | < 0.002 U | 18.6 | < 0.005 U | 0.00232 | < 0.01 U | < 0.001 U | 22.3 | 0.00626 | < 0.0001 U | < 0.01 U | 0.618 | < 0.001 U | < 0.003 DU | 8.25 | | < 0.002 U | 0.016 D |
| | 8/20/2010 | | < 0.001 U | < 0.001 U | 0.00885 | < 0.002 U | 23.1 | < 0.005 U | 0.00289 | 0.011 T | < 0.001 U | 24.7 | 0.00334 D | < 0.0001 U | < 0.01 U | 0.729 | < 0.001 U | < 0.003 U | 8.02 | | 0.00325 | 0.478 |
| | 11/8/2010 | | < 0.001 U | < 0.001 U | 0.00662 | < 0.002 U | 18.3 D | < 0.005 U | 0.00416 | 0.017 T | < 0.001 U | 20.5 | 0.00176 D | < 0.0001 U | < 0.01 U | 0.728 | < 0.001 U | < 0.003 U | 9.08 | | < 0.002 U | 0.00533 |
| MW-32 | 2/25/2010 | | 0.00134 | < 0.001 U | 0.0122 | < 0.002 U | 47.1 | < 0.005 U | < 0.002 U | < 0.01 U | < 0.001 U | 30.6 | 0.00361 | < 0.0001 U | < 0.01 U | 2.51 | < 0.001 U | < 0.003 U | 15.7 | | 0.00227 | 0.0832 |
| | 11/9/2010 | | < 0.001 HU | < 0.001 HU | 0.011 H | < 0.002 HU | 42.3 DH | < 0.005 HU | 0.00315 H | < 0.01 HU | < 0.001 HU | 32.1 H | 0.00442 DH | < 0.0001 HU | < 0.01 HU | 2.84 H | < 0.001 HU | < 0.003 HU | 16.1 H | | 0.00279 H | 0.0203 H |

NOTE: Blank cell notes sample not analyzed for constituent
NC Not calculated

| QUAL | QUALIFIER DESCRIPTION for samples taken prior to 4/1/2009 (as per KC SWD) |
|---|---|
| B | Analyte Found In Associated Method Blank |
| D | Compound Analyzed at a Secondary Dilution Factor. |
| E | Exceed The Calibration or Linear Range. |
| J | Estimated Value Less Than Practical Quantitation Limit And Greater Than The Method Detection Limit. |
| M | Raised Detection Limit. Due to Matrix Interference. |
| O | Analyzed Beyond Specified Holding Time. |
| P | Pesticide/PCBs > 25% Difference Between Columns. |
| R | Rejected Data |
| U | Analyte Not Detected at Given Value. |
| CG | Confluent Growth (Bacterial Analyses Only) |
| ED | Excess Debris on Growth Media (Bacterial Analyses Only) |

Non-numeric result NOTATIONS:

| | |
|---|---|
| Not | Not Analyzed |
| NT | Not Tested |
| TNTC | Too numerous to count |
| NM | Coliforms 'Not Measured' in sample (no $CO_2$ production). |
| P | Coliforms 'Present' in sample ($CO_2$ production) but can't be quantified. |

| QUAL | QUALIFIER DESCRIPTION for samples taken after 4/12/2009 (as per KC SWD) |
|---|---|
| U | Undetected Analyte concentration <MDL – Less than Method detection limit |
| T | Estimated, Less than Reporting Detection Limit but greater than Method detection limit |
| J | Reported value is an estimate |
| B | Contamination present in Blank |
| C | Confluent Growth |
| E | Estimated, outside expected accuracy |
| H | Exceeds holding time |
| R | Data Rejected |
| S | Sample handling errors |
| X | Too numerous to count |
| D | Dilution |
| P | PASS – Qualitative result acceptable |
| F | FAIL – Qualitative result is not acceptable |
| G | Greater than |
| L | Less than |

# Appendix M.2
# Volatiles

Data collected during 2000 - 2010

| | | 1,1,1-TRICHLOROETHANE | 1,1-DICHLOROETHANE | 1,2-DICHLOROETHANE | 1,2-DICHLOROPROPANE | ACETONE | ACRYLONITRILE | BENZENE | BROMOMETHANE | CARBON DISULFIDE | CHLOROETHANE | CHLOROFORM | CHLOROMETHANE | CIS-1,2-DICHLOROETHENE | DICHLORODIFLUOROMETHANE | ETHYLBENZENE | M & P XYLENE | METHYL IODIDE | METHYLENE CHLORIDE | O-XYLENE | TOLUENE | TRANS-1,2-DICHLOROETHENE | TRICHLOROETHENE | TRICHLOROFLUOROMETHANE | VINYL CHLORIDE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Surface Water Quality Criteria | | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| WA State | Acute | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None |
| | Chronic | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None |
| Federal | Acute | None | None | 118,000 µg/L | 23,000 µg/L | None | 7,550 µg/L | 5,300 µg/L | None | None | None | None | None | 11,600 µg/L | None | 32,000 µg/L | None | None | None | None | 17,500 µg/L | 11,600 µg/L | 45,000 µg/L | None | None |
| | Chronic | None | None | 20,000 µg/L | 5,700 µg/L | None | 2,600 µg/L | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | 21,900 µg/L | None | None |
| SW-S6 | 5/10/2007 | 0.41 | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | 0.28 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.36 | 1.3 | < 0.2 U | | < 0.2 U | < 0.2 U | | 1.3 | < 0.2 U | < 0.2 U | 0.57 | < 0.02 U |
| | 8/16/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 11/1/2007 | 0.88 | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 2.3 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 1 | < 0.02 U |
| | 12/18/2007 | 1.1 | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 4.8 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 3/13/2008 | 0.98 | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 3.6 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 1.1 | < 0.02 U |
| | 7/16/2008 | 0.69 | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 2.5 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 1.2 | < 0.02 U |
| | 10/7/2008 | 0.63 | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 1.6 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 0.65 | < 0.02 U |
| | 1/6/2009 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 1/7/2009 | 0.83 | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 2.7 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 3/24/2009 | 0.76 | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 1.7 | < 0.2 U | | < 0.2 U | < 0.5 U | | < 0.2 U | < 0.2 U | < 0.2 U | 0.69 | < 0.02 U |
| | 7/16/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.554 | < 0.2 U | | < 0.2 U | < 0.2 U | | 0.3 T | < 0.2 U | < 0.2 U | 0.26 T | < 0.02 U |
| | 10/27/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.652 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 0.405 | < 0.02 U |
| | 1/29/2010 | 0.419 | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.753 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.25 T | < 0.2 U | < 0.2 U | 0.48 | < 0.02 U |
| | 4/14/2010 | 0.422 | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 1.98 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.83 | < 0.02 U |
| | 8/11/2010 | 0.48 | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.21 BT | < 0.2 U | 2.53 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 1.23 | < 0.02 U |
| | 11/5/2010 | 0.33 T | < 0.2 U | < 0.2 U | < 0.2 U | 4 BT | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 1.45 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.578 | < 0.02 U |
| SW-14E | 5/9/2007 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| SW-W1 | 3/31/2000 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 BU | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 6/29/2000 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 12/27/2001 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 BU | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.03 |
| | 3/26/2003 | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 4.0 UO | < 10 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.020 UO |
| | 5/29/2003 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 BU | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 3/26/2004 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 3/28/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 5/9/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 8/14/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 11/1/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 3/12/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 5/21/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 7/15/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 10/6/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 3/26/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.02 |
| | 7/13/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.21 T | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 10/20/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | 0.21 T | < 0.2 U | < 0.2 U | < 0.2 U | 0.29 T | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 1/21/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.38 BT | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 4/19/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 8/16/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.23 T | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 11/9/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.487 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| SW-W2 | 3/31/2000 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 BU | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 6/29/2000 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 9/29/2000 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 12/21/2000 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 3/29/2001 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 6/26/2001 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 5.6 | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 12/27/2001 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 BU | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 3/28/2002 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 6/26/2002 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 UB | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 9/27/2002 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | 0.52 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 12/13/2002 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 3/26/2003 | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 4.0 UO | < 10 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.020 UO |
| | 5/29/2003 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 BU | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 9/30/2003 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 12/18/2003 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 3/25/2004 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 6/7/2004 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 9/29/2004 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.34 J | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 12/22/2004 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 2/23/2005 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 5/16/2005 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 9/29/2005 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 12/9/2005 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 2/27/2006 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 5/26/2006 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 7/27/2006 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 3/28/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |

| | | 1,1,1-TRICHLOROETHANE | 1,1-DICHLOROETHANE | 1,2-DICHLOROETHANE | 1,2-DICHLOROPROPANE | ACETONE | ACRYLONITRILE | BENZENE | BROMOMETHANE | CARBON DISULFIDE | CHLOROETHANE | CHLOROFORM | CHLOROMETHANE | CIS-1,2-DICHLOROETHENE | DICHLORODIFLUOROMETHANE | ETHYLBENZENE | M & P XYLENE | METHYL IODIDE | METHYLENE CHLORIDE | O-XYLENE | TOLUENE | TRANS-1,2-DICHLOROETHENE | TRICHLOROETHENE | TRICHLOROFLUOROMETHANE | VINYL CHLORIDE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Surface Water Quality Criteria | | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| WA State | Acute | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None |
| | Chronic | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None |
| Federal | Acute | None | None | 118,000 µg/L | 23,000 µg/L | None | 7,550 µg/L | 5,300 µg/L | None | None | None | None | 11,600 µg/L | None | 32,000 µg/L | None | None | None | None | 17,500 µg/L | 11,600 µg/L | 45,000 µg/L | None | None | None |
| | Chronic | None | None | 20,000 µg/L | 5,700 µg/L | None | 2,600 µg/L | None | None | None | None | None | None | None | None | None | None | None | None | None | None | 21,900 µg/L | None | None | None |
| SW-24S | 5/9/2007 | < 0.2 U | < 0.2 U | < 0.2 U | 7.6 | < 4 U | < 10 U | 3.2 | < 0.2 U | < 0.2 U | 1.8 | < 0.2 U | < 0.2 U | 1.3 | 3 | 0.24 | | < 0.2 U | < 0.2 U | | 0.22 | 0.61 | 0.22 | < 0.2 U | 1.9 |
| | 8/15/2007 | < 0.2 U | < 0.2 U | < 0.2 U | 6 | < 4 U | < 10 U | 2.9 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 1 | < 0.2 U | 0.23 | | < 0.2 U | < 0.2 U | | 0.23 | < 0.2 U | < 0.2 U | < 0.2 U | 1.6 |
| | 10/31/2007 | < 0.2 U | < 0.2 U | < 0.2 U | 3.7 | < 4 U | < 10 U | 1.3 | < 0.2 U | < 0.2 U | 0.81 | < 0.2 U | < 0.2 U | 0.86 | 1.4 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.71 |
| | 12/19/2007 | < 0.2 U | < 0.2 U | < 0.2 U | 1.6 | < 4 U | < 10 U | 0.92 | < 0.2 U | < 0.2 U | 0.51 | < 0.2 U | < 0.2 U | 0.92 | 2.2 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.99 |
| | 3/11/2008 | < 0.2 U | < 0.2 U | < 0.2 U | 3.1 | < 4 U | < 10 U | 1.3 | < 0.2 U | < 0.2 U | 0.63 | < 0.2 U | < 0.2 U | 0.91 | 1.5 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | 0.29 | < 0.2 U | < 0.2 U | 1.1 |
| SW-S1 | 5/11/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | 0.46 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 8/14/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | 0.35 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | 0.65 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 10/31/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 12/19/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 4.4 | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 3/12/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 26 | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| SW-S2 | 5/9/2007 | < 0.2 U | < 0.2 U | < 0.2 U | 0.59 | < 4 U | < 10 U | 0.59 | < 0.2 U | < 0.2 U | 0.75 | < 0.2 U | < 0.2 U | 1.4 | 1.4 | < 0.2 U | | < 0.2 U | < 0.2 U | | 0.28 | 0.25 | < 0.2 U | < 0.2 U | 0.96 |
| | 8/15/2007 | < 0.2 U | < 0.2 U | < 0.2 U | 0.57 | < 4 U | < 10 U | 0.72 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 1.6 | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | 0.26 | < 0.2 U | < 0.2 U | < 0.2 U | 0.98 |
| | 10/31/2007 | < 0.2 U | < 0.2 U | < 0.2 U | 0.62 | < 4 U | < 10 U | 0.52 | < 0.2 U | < 0.2 U | 0.79 | < 0.2 U | < 0.2 U | 1.5 | 0.63 | < 0.2 U | | < 0.2 U | < 0.2 U | | 0.22 | < 0.2 U | < 0.2 U | 0.23 | 1.1 |
| | 12/19/2007 | < 0.2 U | < 0.2 U | < 0.2 U | 0.49 | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.87 | < 0.2 U | < 0.2 U | 0.74 | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | 0.27 | < 0.2 U | < 0.2 U | < 0.2 U | 0.54 |
| | 3/11/2008 | < 0.2 U | < 0.2 U | < 0.2 U | 0.78 | < 4 U | < 10 U | 0.49 | < 0.2 U | < 0.2 U | 0.76 | < 0.2 U | < 0.2 U | 0.68 | 1.4 | < 0.2 U | | < 0.2 U | < 0.2 U | | 0.2 | < 0.2 U | < 0.2 U | < 0.2 U | 0.64 |
| | 7/16/2008 | < 0.2 U | 0.31 | < 0.2 U | 1 | < 4 U | < 10 U | 0.83 | < 0.2 U | < 0.2 U | 1.1 | < 0.2 U | < 0.2 U | 2 | 1.1 | 0.32 | | < 0.2 U | < 0.2 U | | 0.22 | 0.31 | < 0.2 U | 0.27 | 1.6 |
| | 10/7/2008 | < 0.2 U | < 0.2 U | < 0.2 U | 1.1 | < 4 U | < 10 U | 0.98 | < 0.2 U | < 0.2 U | 1.2 | < 0.2 U | < 0.2 U | 1.2 | 1.8 | 0.26 | | < 0.2 U | < 0.2 U | | < 0.2 U | 0.37 | < 0.2 U | < 0.2 U | 0.82 |
| | 1/7/2009 | < 0.2 U | < 0.2 U | < 0.2 U | 0.56 | < 4 U | < 10 U | 0.61 | < 0.2 U | < 0.2 U | 1.1 | < 0.2 U | < 0.2 U | 0.52 | 1.7 | < 0.2 U | | < 0.2 U | < 0.2 U | | 0.21 | 0.43 | < 0.2 U | < 0.2 U | 0.83 |
| | 3/25/2009 | < 0.2 U | 0.22 | 0.2 | 0.94 | < 4 U | < 10 U | 0.84 | < 0.2 U | < 0.2 U | 0.99 | < 0.2 U | < 0.2 U | 1.6 | 2.6 | < 0.2 U | | < 0.2 U | < 0.5 U | | 0.25 | 0.3 | < 0.2 U | 1.5 | 1.1 |
| | 7/14/2009 | < 0.2 U | < 0.2 U | < 0.2 U | 0.994 | < 4 U | < 10 U | 0.934 | < 0.2 U | < 0.2 U | 1.09 | < 0.2 U | 0.815 | 0.865 | 1.55 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | 0.37 T | < 0.2 U | < 0.2 U | 0.631 |
| | 10/27/2009 | < 0.2 U | < 0.2 U | < 0.2 U | 0.773 | < 4 U | < 10 U | 0.703 | < 0.2 U | < 0.2 U | 1.2 | < 0.2 U | < 0.2 U | 1.47 | 0.698 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | 0.22 T | < 0.2 U | < 0.2 U | 0.999 |
| | 2/4/2010 | < 0.2 U | < 0.2 U | < 0.2 U | 1.05 | < 4 U | < 0.07 U | 0.872 | < 0.2 U | < 0.2 U | 1.21 | < 0.2 U | < 0.2 U | 0.36 T | 1.42 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.23 T | 0.29 T | < 0.2 U | < 0.2 U | 0.651 |
| | 4/15/2010 | < 0.2 U | < 0.2 U | < 0.2 U | 0.895 | < 4 U | < 0.07 U | 0.747 | < 0.2 U | < 0.2 U | 1 | < 0.2 U | < 0.2 U | 0.29 T | 1.52 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.23 T | < 0.2 U | < 0.2 U | 0.597 |
| | 8/12/2010 | < 0.2 U | < 0.2 U | < 0.2 U | 1.05 | < 4 U | < 0.07 U | 0.675 | < 0.2 U | < 0.2 U | 0.749 | < 0.2 U | < 0.2 U | 1.14 | 0.524 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.804 |
| | 11/2/2010 | < 0.2 U | < 0.2 U | < 0.2 U | 0.983 | < 4 U | < 0.07 U | 0.656 | < 0.2 U | < 0.2 U | 0.748 | < 0.2 U | < 0.2 U | 1.12 | 1.24 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.23 T | < 0.2 U | < 0.2 U | 0.952 |
| SW-S3 | 5/11/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.72 | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | 0.64 | < 0.2 U | < 0.2 U | < 0.2 U | 0.46 |
| | 8/15/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | 0.44 | < 0.2 U | < 0.2 U | < 0.2 U | 0.7 |
| | 10/30/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.53 | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.29 |
| | 12/20/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.43 | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.37 |
| | 3/11/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.5 | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.28 |
| SW-S4 | 5/10/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | 0.27 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.24 | < 0.2 U | | < 0.2 U | < 0.2 U | | 0.92 | < 0.2 U | < 0.2 U | < 0.2 U | 1.8 |
| | 8/16/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.4 | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 2.8 |
| | 10/30/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.28 | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 1.9 |
| | 12/19/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | 0.33 | < 0.2 U | < 0.2 U | < 0.2 U | 0.67 |
| | 3/13/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | 0.33 | < 0.2 U | < 0.2 U | 0.22 | 0.87 |
| | 7/16/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.23 | 0.27 | < 0.2 U | | < 0.2 U | < 0.2 U | | 0.2 | < 0.2 U | < 0.2 U | 0.29 | 2.2 |
| | 10/7/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.51 | 1.2 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 4.3 |
| | 1/7/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.27 | 0.44 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 2.3 |
| | 3/23/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 11 | < 10 U | 0.24 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 1.4 | < 0.2 U | | < 0.2 U | 1.5 | | 0.52 | < 0.2 U | < 0.2 U | 1.6 | 0.69 |
| | 7/14/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.665 | 0.938 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 4.39 |
| | 10/27/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 1.16 | 0.878 | < 0.2 U | | < 0.2 U | 0.21 T | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 7.4 |
| | 1/29/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.22 T | 0.28 T | 0.419 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.22 T | < 0.2 U | < 0.2 U | < 0.2 U | 1.76 |
| | 4/14/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.77 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 4.4 |
| | 8/11/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 4.06 | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.632 B | 0.633 | 1.1 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.29 T | < 0.2 U | < 0.2 U | < 0.2 U | 4.06 |
| | 11/2/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.584 | 1.09 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.22 T | < 0.2 U | < 0.2 U | < 0.2 U | 4.72 |
| SW-S5 | 5/10/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | 0.7 | < 0.2 U | < 0.2 U | < 0.2 U | 0.68 | 3.9 | < 0.2 U | | < 0.2 U | < 0.2 U | | 4.3 | < 0.2 U | < 0.2 U | 1 | 0.2 |
| | 8/16/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.66 | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.16 |
| | 11/1/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.22 | 2.8 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 1.2 | 0.16 |
| | 12/18/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 4.5 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.07 |
| | 3/13/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 3.4 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 1.2 | < 0.02 U |
| | 7/16/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 1.9 | < 0.2 U | | < 0.2 U | < 0.2 U | | 0.2 | < 0.2 U | < 0.2 U | 0.87 | 0.04 |
| | 10/7/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.49 | 2.2 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 0.98 | 0.03 |
| | 1/7/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.62 | 1.8 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.05 |
| | 3/24/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.5 | 0.83 | < 0.2 U | | < 0.2 U | < 0.5 U | | < 0.2 U | < 0.2 U | < 0.2 U | 0.53 | < 0.02 U |
| | 7/16/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.22 T | 0.908 | 1.85 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 0.883 | < 0.02 U |
| | 10/27/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.803 | 1.08 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 0.585 | < 0.02 U |
| | 1/29/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.25 T | 0.732 | 2.66 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.24 T | < 0.2 U | < 0.2 U | 1.83 | < 0.02 U |
| | 4/14/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.47 | 3.72 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 2.41 | < 0.02 U |
| | 8/11/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.25 BT | 0.456 | 3.41 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.27 T | < 0.2 U | < 0.2 U | 1.72 | < 0.02 U |
| | 11/5/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 23.1 B | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.29 T | < 0.2 U | 2.79 | 0.876 | 2.91 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 1.34 | < 0.02 U |

| | | 1,1,1-TRICHLOROETHANE | 1,1-DICHLOROETHANE | 1,2-DICHLOROETHANE | 1,2-DICHLOROPROPANE | ACETONE | ACRYLONITRILE | BENZENE | BROMOMETHANE | CARBON DISULFIDE | CHLOROETHANE | CHLOROFORM | CHLOROMETHANE | CIS-1,2-DICHLOROETHENE | DICHLORODIFLUOROMETHANE | ETHYLBENZENE | M & P XYLENE | METHYL IODIDE | METHYLENE CHLORIDE | O-XYLENE | TOLUENE | TRANS-1,2-DICHLOROETHENE | TRICHLOROETHENE | TRICHLOROFLUOROMETHANE | VINYL CHLORIDE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Surface Water Quality Criteria | | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| WA State | Acute | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None |
| | Chronic | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None |
| Federal | Acute | None | None | 118,000 µg/L | 23,000 µg/L | None | 7,550 µg/L | 5,300 µg/L | None | None | None | None | None | 11,600 µg/L | None | 32,000 µg/L | None | None | None | None | 17,500 µg/L | 11,600 µg/L | 45,000 µg/L | None | None |
| | Chronic | None | None | 20,000 µg/L | 5,700 µg/L | None | 2,600 µg/L | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | 21,900 µg/L | None | None |
| SW-W2 (cont.) | 5/9/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 8/14/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 10/30/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 12/18/2007 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 3/12/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 5/21/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 7/15/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 10/6/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 1/6/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 3/26/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 7/13/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 10/20/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 1/21/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.23 BT | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 4/19/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 8/16/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.25 T | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 11/9/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| SW-W3 | 3/31/2000 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 BU | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 6/29/2000 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 9/29/2000 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.04 |
| | 12/21/2000 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.11 |
| | 3/29/2001 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.04 |
| | 6/26/2001 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.04 |
| | 12/27/2001 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 BU | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.05 |
| | 3/28/2002 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 6/26/2002 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 UB | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.08 |
| | 9/27/2002 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | 0.52 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.04 |
| | 12/13/2002 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.07 |
| | 3/26/2003 | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 4.0 UO | < 10 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | < 0.20 UO | 0.060 O |
| | 5/29/2003 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 BU | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.04 |
| | 9/30/2003 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.03 |
| | 12/18/2003 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.05 |
| | 3/24/2004 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.04 |
| | 6/7/2004 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.05 |
| | 9/29/2004 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | 0.31 J | < 0.2 U | < 0.2 U | 0.51 | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.05 |
| | 12/23/2004 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.05 |
| | 2/24/2005 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.03 |
| | 5/17/2005 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.05 |
| | 12/9/2005 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.03 |
| | 2/27/2006 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 6/29/2006 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 9/27/2006 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.05 |
| | 3/28/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.14 |
| | 5/9/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.08 |
| | 8/14/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.09 |
| | 10/30/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.04 |
| | 12/18/2007 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | 0.03 |
| | 3/12/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.05 |
| | 5/21/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.05 |
| | 7/15/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.05 |
| | 10/6/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.05 |
| | 1/6/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.04 |
| | 3/26/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.04 |
| | 7/13/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.041 |
| | 10/20/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | 0.26 T | < 0.2 U | < 0.2 U | < 0.2 U | 0.528 | < 0.2 U | < 0.2 U | < 0.2 U | | 0.21 T | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.0586 |
| | 1/21/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | 0.083 T | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.402 B | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.0578 |
| | 4/19/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.0394 |
| | 8/16/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.0456 |
| | 11/9/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.29 T | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.0408 |
| SW-W4 | 5/10/2007 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 8/14/2007 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 10/31/2007 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 12/18/2007 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 3/12/2008 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |

| | | 1,1,1-TRICHLOROETHANE | 1,1-DICHLOROETHANE | 1,2-DICHLOROETHANE | 1,2-DICHLOROPROPANE | ACETONE | ACRYLONITRILE | BENZENE | BROMOMETHANE | CARBON DISULFIDE | CHLOROETHANE | CHLOROFORM | CHLOROMETHANE | CIS-1,2-DICHLOROETHENE | DICHLORODIFLUOROMETHANE | ETHYLBENZENE | M & P XYLENE | METHYL IODIDE | METHYLENE CHLORIDE | O-XYLENE | TOLUENE | TRANS-1,2-DICHLOROETHENE | TRICHLOROETHENE | TRICHLOROFLUOROMETHANE | VINYL CHLORIDE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Surface Water Quality Criteria | | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| WA State | Acute | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None |
| | Chronic | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None |
| Federal | Acute | None | None | 118,000 µg/L | 23,000 µg/L | None | 7,550 µg/L | 5,300 µg/L | None | None | None | None | None | 11,600 µg/L | None | 32,000 µg/L | None | None | None | None | 17,500 µg/L | 11,600 µg/L | 45,000 µg/L | None | None |
| | Chronic | None | None | 20,000 µg/L | 5,700 µg/L | None | 2,600 µg/L | None | None | None | None | None | None | None | None | None | None | None | None | None | None | None | 21,900 µg/L | None | None |
| SW-W5 | 5/10/2007 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 8/14/2007 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 10/30/2007 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 12/18/2007 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 3/12/2008 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 7/15/2008 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 10/6/2008 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 1/6/2009 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 3/23/2009 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 7/10/2009 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 10/19/2009 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 1/22/2010 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 4/19/2010 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 8/12/2010 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 11/1/2010 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| SW-W6 | 5/10/2007 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 8/14/2007 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 11/1/2007 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 12/18/2007 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 3/12/2008 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 7/15/2008 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 10/6/2008 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 3/24/2009 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 7/10/2009 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 10/19/2009 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 1/22/2010 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 4/19/2010 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 8/12/2010 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 11/1/2010 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| SW-W7 | 5/10/2007 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 8/14/2007 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 11/1/2007 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 12/18/2007 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |
| | 3/12/2008 | | < 0.2 U | | < 0.2 U | | | < 0.2 U | | | | | | < 0.2 U | < 0.2 U | | | | | | | < 0.2 U | | < 0.2 U | < 0.02 U |

| | | 1,1,1-TRICHLOROETHANE µg/L | 1,1-DICHLOROETHANE µg/L | 1,2-DICHLOROETHANE µg/L | 1,2-DICHLOROPROPANE µg/L | ACETONE µg/L | ACRYLONITRILE µg/L | BENZENE µg/L | BROMOMETHANE µg/L | CARBON DISULFIDE µg/L | CHLOROETHANE µg/L | CHLOROFORM µg/L | CHLOROMETHANE µg/L | CIS-1,2-DICHLOROETHENE µg/L | DICHLORODIFLUOROMETHANE µg/L | ETHYLBENZENE µg/L | M & P XYLENE µg/L | METHYL IODIDE µg/L | METHYLENE CHLORIDE µg/L | O-XYLENE µg/L | TOLUENE µg/L | TRANS-1,2-DICHLOROETHENE µg/L | TRICHLOROETHENE µg/L | TRICHLOROFLUOROMETHANE µg/L | VINYL CHLORIDE µg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Federal Drinking Water Standards | | 200 µg/L | None | 5 µg/L | 5 µg/L | None | None | 5 µg/L | None | None | None | None | None | 70 µg/L | None | 700 µg/L | | None | 5 µg/L | | 1000 µg/L | 100 µg/L | 5 µg/L | None | 2 µg/L |
| Groundwater Quality Criteria | | 200 µg/L | 1 µg/L | 0.5 µg/L | 0.6 µg/L | None | 0.07 µg/L | 1 µg/L | None | None | None | 7 µg/L | None | 70 µg/L | None | 700 µg/L | | None | 5 µg/L | | 1000 ug/L | 100 µg/L | 3 µg/L | None | 0.02 µg/L |
| MW-2 | 2/17/2000 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.24 J | 16 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 1.9 | 0.72 |
| | 5/11/2000 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 13 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 1.3 | 0.31 |
| | 8/22/2000 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.34 J | < 0.20 U | < 0.20 U | 0.27 J | 11 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 1.5 | 0.45 |
| | 11/17/2000 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 8.7 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 1.7 | 0.8 |
| | 2/7/2001 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 7.8 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 1.7 | 0.26 |
| | 5/16/2001 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 6.8 | < 0.20 U | | < 0.20 U | < 0.20 BU | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 2.2 | 0.48 |
| | 7/24/2001 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 UB | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.21 J | < 0.20 U | < 0.20 U | < 0.20 U | 21 | < 0.20 U | | < 0.20 U | 0.29 BJ | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 3.4 | 0.81 |
| | 11/6/2001 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 14 | < 0.20 U | | < 0.20 U | 0.32 J | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 3.3 | 0.6 |
| | 2/13/2002 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 15 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 3.9 | 0.75 |
| | 4/30/2002 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 26 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 4.8 | 1 |
| | 8/16/2002 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.24 J | < 0.20 U | < 0.20 U | < 0.20 U | 15 | < 0.20 U | | < 0.20 U | 0.26 BJ | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 3.1 | 0.89 |
| | 10/28/2002 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 14 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.73 |
| | 2/3/2003 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 17 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 3.5 | 0.51 |
| | 5/2/2003 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 15 | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 3.6 | 0.74 |
| | 7/24/2003 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 27 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 4.6 | 0.94 |
| | 10/20/2003 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 13 | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 5.3 | 0.5 |
| | 2/9/2004 | < 0.20 U | 0.28 J | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.20 J | 17 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 6.2 | 0.72 |
| | 4/30/2004 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 12 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 3.8 | 0.54 |
| | 8/13/2004 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 20 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 4.4 | 0.54 |
| | 10/29/2004 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 1 | < 0.2 U | 14 | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 5 | 0.41 |
| | 1/27/2005 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | 5.1 | 0.29 |
| | 5/6/2005 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 3.1 | < 0.20 U | | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | 5.1 | 0.41 |
| | 7/29/2005 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 14.9 | < 0.20 U | | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | 6.9 | 0.32 |
| | 11/9/2005 | < 0.2 U | 0.21 | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 17 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 6.9 | 0.29 |
| | 1/30/2006 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 26 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 8.6 | 0.35 |
| | 5/3/2006 | < 0.2 U | 0.2 | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 10 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 5.8 | 0.46 |
| | 8/10/2006 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.20 U | 0.58 |
| | 11/1/2006 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 13 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 4.4 | 0.57 |
| | 1/30/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 4.3 | 0.48 |
| | 4/30/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 16 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 5.6 | 0.48 |
| | 8/1/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 8.3 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 2.9 | < 0.20 U |
| | 11/6/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 11 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 2.9 | 0.57 |
| | 2/4/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 7 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 3.6 | 0.48 |
| | 5/12/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 7.8 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 3.9 | 0.32 |
| | 8/6/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 14 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 7.4 | 0.36 |
| | 11/6/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 6.2 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 4.4 | 0.32 |
| | 2/20/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 9.5 | < 0.2 U | | < 0.2 U | < 0.5 U | | < 0.2 U | < 0.2 U | < 0.2 U | 5.7 | 0.32 |
| | 5/7/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 9.48 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 6.06 | 0.298 |
| | 8/3/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 7.92 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 4.33 | 0.194 |
| | 11/17/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 6.1 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 4.03 | 0.259 |
| | 2/16/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 5.8 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 5.06 | 0.29 |
| | 4/30/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 7.94 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 5.02 | 0.391 |
| | 8/3/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.25 T | < 0.2 U | 5.94 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 3.95 | 0.353 |
| | 11/5/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 9.04 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 3.94 | 0.244 |
| MW-5D | 2/17/2000 | < 0.20 U | < 0.20 U | < 0.20 U | 0.25 J | < 4.0 U | < 10 U | 1.1 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 17 | 7.7 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.62 | < 0.20 U | 1.1 | 21 |
| | 5/5/2000 | < 0.20 U | 0.43 J | < 0.20 U | 0.30 J | < 4.0 U | < 10 U | 1.3 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 18 | 6.4 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.64 | < 0.20 U | 0.89 | 23 |
| | 8/18/2000 | < 0.20 U | 0.47 J | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | 1.4 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 6.6 | < 0.20 U | | < 0.20 U | 0.20 J | < 0.20 U | < 0.20 U | 0.71 | < 0.20 U | < 0.20 U | 20 |
| | 11/9/2000 | < 0.20 U | < 0.20 U | < 0.20 U | 0.67 | < 4.0 U | < 10 U | 1.6 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 14 | 6.4 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.67 | < 0.20 U | < 0.20 U | 18 |
| | 1/31/2001 | < 0.20 U | 0.45 J | < 0.20 U | 0.5 | < 4.0 U | < 10 U | 1.2 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.41 J | 15 | 3.8 | < 0.20 U | | < 0.20 U | 0.26 BJ | < 0.20 U | < 0.20 U | 0.71 | < 0.20 U | 0.7 | 16 |
| | 5/16/2001 | < 0.20 U | 0.36 J | < 0.20 U | 0.56 | < 4.0 U | < 10 U | 0.94 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 9.9 | 2.3 | < 0.20 U | | < 0.20 U | < 0.20 BU | < 0.20 U | < 0.20 U | 0.35 J | < 0.20 U | < 0.20 U | 12 |
| | 7/27/2001 | < 0.20 U | 0.31 J | < 0.20 U | 0.36 J | < 4.0 UB | < 10 U | 0.40 J | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 9 | 4.4 | < 0.20 U | | < 0.20 U | < 0.20 BU | < 0.20 U | < 0.20 U | 0.34 J | < 0.20 U | < 0.20 U | 11 |
| | 11/7/2001 | < 0.20 U | 0.55 | < 0.20 U | 1.4 | < 4.0 U | < 10 U | 1.3 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 6.8 | 3.7 | < 0.20 U | | < 0.20 U | < 0.20 U | 0.34 J | < 0.20 U | 0.35 J | 0.45 J | < 0.20 U | 9.8 |
| | 2/13/2002 | < 0.20 U | 0.71 | < 0.20 U | 2.3 | < 4.0 U | < 10 U | 1.6 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 6.1 | 3.1 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.61 | 0.81 | 10 |
| | 4/25/2002 | < 0.20 U | < 0.20 U | < 0.20 U | 1.1 | < 4.0 U | < 10 U | 1 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 9.6 | 5.3 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 14 |
| | 8/7/2002 | < 0.20 U | 0.35 J | < 0.20 U | 0.35 J | < 4.0 U | < 10 U | 0.76 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 13 | 5.7 | < 0.20 U | | < 0.20 U | 0.40 BJ | < 0.20 U | < 0.20 U | 0.46 J | < 0.20 U | < 0.20 U | 16 |

| | | 1,1,1-TRICHLOROETHANE µg/L | 1,1-DICHLOROETHANE µg/L | 1,2-DICHLOROETHANE µg/L | 1,2-DICHLOROPROPANE µg/L | ACETONE µg/L | ACRYLONITRILE µg/L | BENZENE µg/L | BROMOMETHANE µg/L | CARBON DISULFIDE µg/L | CHLOROETHANE µg/L | CHLOROFORM µg/L | CHLOROMETHANE µg/L | CIS-1,2-DICHLOROETHENE µg/L | DICHLORODIFLUOROMETHANE µg/L | ETHYLBENZENE µg/L | M & P XYLENE µg/L | METHYL IODIDE µg/L | METHYLENE CHLORIDE µg/L | O-XYLENE µg/L | TOLUENE µg/L | TRANS-1,2-DICHLOROETHENE µg/L | TRICHLOROETHENE µg/L | TRICHLOROFLUOROMETHANE µg/L | VINYL CHLORIDE µg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Federal Drinking Water Standards | | 200 µg/L | None | 5 µg/L | 5 µg/L | None | None | 5 µg/L | None | None | None | None | None | 70 µg/L | None | 700 µg/L | | None | 5 µg/L | | 1000 µg/L | 100 µg/L | 5 µg/L | None | 2 µg/L |
| Groundwater Quality Criteria | | 200 µg/L | 1 µg/L | 0.5 µg/L | 0.6 µg/L | None | 0.07 µg/L | 1 µg/L | None | None | None | 7 µg/L | None | 70 µg/L | None | 700 µg/L | | None | 5 µg/L | | 1000 ug/L | 100 µg/L | 3 µg/L | None | 0.02 µg/L |
| MW-5D (cont.) | 11/5/2002 | < 0.20 U | < 0.20 U | < 0.20 U | 0.57 | < 4.0 U | < 10 U | 1 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 11 | 3.7 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 12 |
| | 1/28/2003 | < 0.20 U | 0.26 J | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | 0.61 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 13 | 4.4 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.33 J | < 0.20 U | < 0.20 U | 13 |
| | 5/5/2003 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | 0.48 J | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 10 | 3.6 | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.21 J | < 0.2 U | < 0.2 U | 12 |
| | 7/22/2003 | < 0.20 U | 0.32 J | < 0.20 U | 0.29 J | < 4.0 U | < 10 U | 0.71 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 13 | 8 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.36 J | < 0.20 U | < 0.20 U | 19 |
| | 10/17/2003 | < 0.2 U | 0.46 J | < 0.2 U | 0.67 | < 4 U | < 10 U | 0.82 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 11 | 3.5 | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.3 J | < 0.2 U | < 0.2 U | 14 |
| | 2/12/2004 | < 0.20 U | 0.33 J | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | 0.7 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 13 | 5.3 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.42 J | < 0.20 U | < 0.20 U | 16 |
| | 5/4/2004 | < 0.20 U | 0.32 J | < 0.20 U | 0.51 | < 4.0 U | < 10 U | 0.68 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 11 | 3.9 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.34 J | < 0.20 U | < 0.20 U | 14 |
| | 6/1/2004 | < 0.20 U | < 0.20 U | < 0.20 U | 0.66 | < 4.0 U | < 10 U | 0.74 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 9 | 4.4 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.62 | 13 |
| | 8/3/2004 | < 0.20 U | 0.29 J | < 0.20 U | 0.31 J | < 4.0 U | < 10 U | 0.59 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 9.8 | 4.4 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.29 J | < 0.20 U | < 0.20 U | 12 |
| | 11/2/2004 | < 0.2 U | 0.28 J | < 0.2 U | 0.27 J | < 4 U | < 10 U | 0.67 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 11 | 5.4 | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.28 J | < 0.2 U | < 0.2 U | 14 |
| | 1/31/2005 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | 0.48 J | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 11 J | | < 0.20 U | | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | 0.78 | 13 |
| | 5/6/2005 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | 0.58 J | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 10 J | 3.5 | < 0.20 U | | < 0.20 U | < 0.20 U | | < 0.20 U | 0.21 J | < 0.20 U | 0.66 | 12 |
| | 7/29/2005 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | 0.70 J | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 11 J | 3.6 | < 0.20 U | | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | 0.63 | 14 |
| | 11/2/2005 | < 0.2 U | < 0.2 U | < 0.2 U | 0.33 | < 4 U | < 10 U | 0.63 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 11 | 3.9 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | 0.24 | < 0.2 U | 0.73 | 15 |
| | 2/1/2006 | < 0.2 U | 0.31 | < 0.2 U | 0.46 | < 4 U | < 10 U | 0.58 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 11 | 2.6 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 0.6 | 11 |
| | 5/5/2006 | < 0.2 U | 0.28 | < 0.2 U | 0.28 | < 4 U | < 10 U | 0.58 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 11 | 2.7 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | 0.26 | < 0.2 U | 0.64 | 13 |
| | 8/7/2006 | < 0.2 U | 0.23 | < 0.2 U | < 0.2 U | < 4 U | < 10 U | 0.6 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 11 | 5.2 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | 0.24 | < 0.2 U | < 0.2 U | 16 |
| | 11/3/2006 | < 0.2 U | 0.22 | < 0.2 U | < 0.2 U | < 4 U | < 10 U | 0.56 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 11 | 2.9 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | 0.27 | < 0.2 U | 0.6 | 11 |
| | 2/6/2007 | < 0.2 U | 0.21 | < 0.2 U | < 0.2 U | < 4 U | < 10 U | 0.67 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 13 | 3.1 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | 0.37 | < 0.2 U | 0.62 | 13 |
| | 5/1/2007 | < 0.2 U | 0.23 | < 0.2 U | < 0.2 U | < 4 U | < 10 U | 0.62 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 11 | 3.7 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | 0.37 | < 0.2 U | 0.34 | 11 |
| | 8/10/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | 0.83 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 13 | 2.8 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | 0.43 | < 0.2 U | 0.38 | 9.5 |
| | 11/1/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | 0.63 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 11 | 1.5 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | 0.23 | < 0.2 U | 0.43 | 7.9 |
| | 2/5/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | 0.62 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 10 | 1.7 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | 0.32 | < 0.2 U | 0.4 | 6.9 |
| | 5/12/2008 | < 0.2 U | 0.21 | < 0.2 U | < 0.2 U | < 4 U | < 10 U | 0.69 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 12 | 2.2 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | 0.48 | < 0.2 U | 0.44 | 8.2 |
| | 8/7/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | 0.53 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 9.7 | 2.5 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | 0.35 | < 0.2 U | < 0.2 U | 9.3 |
| | 11/18/2008 | < 0.2 U | 0.22 | < 0.2 U | < 0.2 U | < 4 U | < 10 U | 0.59 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 12 | 1.8 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | 0.37 | < 0.2 U | 0.49 | 8.1 |
| | 3/20/2009 | < 0.2 U | 0.2 | < 0.2 U | 0.32 | < 4 U | < 10 U | 0.6 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 9.6 | 1.3 | < 0.2 U | | < 0.2 U | < 0.5 U | | < 0.2 U | 0.32 | < 0.2 U | < 0.2 U | 6.2 |
| | 5/12/2009 | < 0.2 U | 0.21 T | < 0.2 U | 0.24 T | < 4 U | < 10 U | 0.531 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 9.26 | 2.06 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | 0.3 T | < 0.2 U | < 0.2 U | 8.01 |
| | 8/11/2009 | < 0.2 U | 0.28 T | < 0.2 U | 0.579 | 4.22 B | < 10 U | 0.751 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 9.1 | 2.61 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | 0.26 T | 0.25 T | < 0.2 U | 9.7 |
| | 11/3/2009 | < 0.2 U | 0.28 T | < 0.2 U | 0.929 | 4.67 | < 10 U | 0.797 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 4.48 | 0.588 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | 0.433 | < 0.2 U | 4.18 |
| | 2/11/2010 | < 0.2 U | 0.25 T | < 0.2 U | 0.509 | < 4 U | < 0.07 U | 0.415 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 7.06 | 1.04 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.25 T | < 0.2 U | 3.84 |
| | 4/30/2010 | < 0.2 U | 0.21 T | < 0.2 U | 0.27 T | < 4 U | < 0.07 U | 0.51 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 8.49 | 1.25 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.22 T | < 0.2 U | < 0.2 U | 6.82 |
| | 8/6/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | 0.434 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.27 T | 10.2 | 1.44 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.26 T | < 0.2 U | < 0.2 U | 5.85 |
| | 11/2/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | 0.45 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.27 T | 10.2 | 2.39 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.28 T | < 0.2 U | < 0.2 U | 6.39 |
| MW-9 | 2/14/2000 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 5/3/2000 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 8/15/2000 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 11/13/2000 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 1/30/2001 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 5/4/2001 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 7/24/2001 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 BU | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 11/1/2001 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 2/12/2002 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 6/24/2002 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 8/6/2002 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |

| | | 1,1,1-TRICHLOROETHANE | 1,1-DICHLOROETHANE | 1,2-DICHLOROETHANE | 1,2-DICHLOROPROPANE | ACETONE | ACRYLONITRILE | BENZENE | BROMOMETHANE | CARBON DISULFIDE | CHLOROETHANE | CHLOROFORM | CHLOROMETHANE | CIS-1,2-DICHLOROETHENE | DICHLORODIFLUOROMETHANE | ETHYLBENZENE | M & P XYLENE | METHYL IODIDE | METHYLENE CHLORIDE | O-XYLENE | TOLUENE | TRANS-1,2-DICHLOROETHENE | TRICHLOROETHENE | TRICHLOROFLUOROMETHANE | VINYL CHLORIDE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| Federal Drinking Water Standards | | 200 µg/L | None | 5 µg/L | 5 µg/L | None | None | 5 µg/L | None | None | None | None | None | 70 µg/L | None | 700 µg/L | | None | 5 µg/L | | 1000 µg/L | 100 µg/L | 5 µg/L | None | 2 µg/L |
| Groundwater Quality Criteria | | 200 µg/L | 1 µg/L | 0.5 µg/L | 0.6 µg/L | None | 0.07 µg/L | 1 µg/L | None | None | None | 7 µg/L | None | 70 µg/L | None | 700 µg/L | | None | 5 µg/L | | 1000 ug/L | 100 µg/L | 3 µg/L | None | 0.02 µg/L |
| MW-9 (cont.) | 11/7/2002 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 2/3/2003 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 4/29/2003 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 7/22/2003 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 10/24/2003 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 2/6/2004 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 5/3/2004 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 8/10/2004 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 10/27/2004 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 2/2/2005 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 5/3/2005 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 8/3/2005 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 11/15/2005 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 2/1/2006 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 5/2/2006 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 8/3/2006 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 11/2/2006 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 2/27/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 4/30/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 8/10/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 11/5/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 2/7/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 5/8/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 8/5/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 11/17/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 2/4/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 5/1/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 7/31/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 11/5/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 4.25 | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 2/4/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.21 T | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 5/3/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 8/9/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 11/8/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 4.32 B | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| MW-21 | 2/16/2000 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | 0.21 J | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 7.6 | 3.9 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.34 J | < 0.20 U | 0.73 | 0.59 |
| | 5/5/2000 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | 0.25 J | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 7.5 | 3.6 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.38 J | < 0.20 U | 0.53 | 0.71 |
| | 8/18/2000 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 6.9 | 3.3 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.41 J | < 0.20 U | 0.73 | 0.36 |
| | 11/13/2000 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 6.6 | 2.8 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.27 J | < 0.20 U | 0.84 | 0.51 |
| | 1/31/2001 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | 0.21 J | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 6.4 | 2.8 | < 0.20 U | | < 0.20 U | 0.23 BJ | < 0.20 U | < 0.20 U | 0.35 J | < 0.20 U | 0.61 | 0.28 |
| | 5/14/2001 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 5.2 | 1.7 | < 0.20 U | | < 0.20 U | < 0.20 BU | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.49 J | 0.35 |
| | 7/24/2001 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 BU | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 3.6 | 5.8 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 1.4 | 0.45 |
| | 11/2/2001 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 1.6 | 5.6 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 1.6 | 0.66 |
| | 2/13/2002 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 3.3 | 8.6 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 2.6 | 0.95 |
| | 4/25/2002 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 4.5 | 9.3 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 2.2 | 1 |
| | 8/14/2002 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 4.3 | 4.5 | < 0.20 U | | < 0.20 U | 0.22 BJ | < 0.20 U | < 0.20 U | 0.28 J | < 0.20 U | 1.1 | 0.51 |
| | 10/31/2002 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 3.7 | 4.8 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.51 |
| | 1/27/2003 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 2 | 7.2 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 2.5 | 0.53 |
| | 5/2/2003 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 3.1 | 6 | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 2 | 0.7 |
| | 7/22/2003 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 3.5 | 10 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 2.1 | 0.36 |
| | 10/20/2003 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 2 | 7.4 | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 3.2 | 0.52 |

| | | 1,1,1-TRICHLOROETHANE µg/L | 1,1-DICHLOROETHANE µg/L | 1,2-DICHLOROETHANE µg/L | 1,2-DICHLOROPROPANE µg/L | ACETONE µg/L | ACRYLONITRILE µg/L | BENZENE µg/L | BROMOMETHANE µg/L | CARBON DISULFIDE µg/L | CHLOROETHANE µg/L | CHLOROFORM µg/L | CHLOROMETHANE µg/L | CIS-1,2-DICHLOROETHENE µg/L | DICHLORODIFLUOROMETHANE µg/L | ETHYLBENZENE µg/L | M & P XYLENE µg/L | METHYL IODIDE µg/L | METHYLENE CHLORIDE µg/L | O-XYLENE µg/L | TOLUENE µg/L | TRANS-1,2-DICHLOROETHENE µg/L | TRICHLOROETHENE µg/L | TRICHLOROFLUOROMETHANE µg/L | VINYL CHLORIDE µg/L |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Federal Drinking Water Standards | | 200 µg/L | None | 5 µg/L | 5 µg/L | None | None | 5 µg/L | None | None | None | None | None | 70 µg/L | None | 700 µg/L | | None | 5 µg/L | | 1000 µg/L | 100 µg/L | 5 µg/L | None | 2 µg/L |
| Groundwater Quality Criteria | | 200 µg/L | 1 µg/L | 0.5 µg/L | 0.6 µg/L | None | 0.07 µg/L | 1 µg/L | None | None | None | 7 µg/L | None | 70 µg/L | None | 700 µg/L | | None | 5 µg/L | | 1000 µg/L | 100 µg/L | 3 µg/L | None | 0.02 µg/L |
| MW-21 (cont.) | 2/5/2004 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 1.8 | 10 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 4.2 | 0.67 |
| | 4/30/2004 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 2.5 | 5.8 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 2 | 0.4 |
| | 8/3/2004 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 2.3 | 8 | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 1.8 | 0.45 |
| | 10/29/2004 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 1.3 | 7.8 | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 2.9 | 0.36 |
| | 1/31/2005 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 1.3 J | | < 0.20 U | | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | 3.5 | 0.33 |
| | 5/4/2005 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 4 | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 1.7 J | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.51 |
| | 7/27/2005 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 1.1 J | 9.6 | < 0.20 U | | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | 6.9 | 0.57 |
| | 11/2/2005 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.79 | 16 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 9 | 0.42 |
| | 2/1/2006 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.71 | 11 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 7.2 | 0.5 |
| | 5/8/2006 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 1.4 | 9.8 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 6 | 0.49 |
| | 8/2/2006 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 1.8 | 20 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 7.4 | 0.54 |
| | 11/14/2006 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.69 | 14 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 6.7 | 0.6 |
| | 2/6/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 2.3 | 8.4 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 4.5 | 0.55 |
| | 5/1/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 2.4 | 6.1 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 2.3 | 0.54 |
| | 8/7/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 2.3 | 5.3 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 2.1 | 0.46 |
| | 11/1/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 2 | 2.9 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 1.9 | 0.34 |
| | 2/5/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 1.7 | 2.7 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 1.9 | 0.4 |
| | 5/15/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 2.3 | 5.9 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.27 |
| | 8/5/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 1.9 | 7.1 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 4.3 | 0.28 |
| | 11/3/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 1 | 4.2 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 2.9 | 0.31 |
| | 2/9/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.53 | 12 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 6.7 | 0.53 |
| | 5/8/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.467 | 9.34 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 7.82 | 0.425 |
| | 8/11/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 9.26 B | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.34 T | 0.601 | 12.4 | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | 8.21 | 0.5 |
| | 11/3/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 4.27 | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.523 | 6.17 | < 0.2 U | | < 0.2 U | 0.21 BT | | < 0.2 U | < 0.2 U | < 0.2 U | 4.88 | 0.452 |
| | 2/3/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.611 | 6.84 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 6.62 | 0.442 |
| | 5/5/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.785 | 6.64 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 5.41 | 0.334 |
| | 8/6/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.731 | 5.54 | < 0.2 U | < 0.2 U | < 0.2 U | 0.3 T | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 4.35 | 0.324 |
| | 11/2/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.33 T | 0.77 | 7.5 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 4.15 | 0.327 |
| MW-12 | 2/18/2000 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 5/8/2000 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 8/25/2000 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 11/16/2000 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 2/5/2001 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 BU | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 5/15/2001 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 BU | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 7/31/2001 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 BU | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 10/31/2001 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 2/8/2002 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 4/26/2002 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 8/23/2002 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 BU | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 11/5/2002 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 BU | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 1/31/2003 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 4/30/2003 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 7/23/2003 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 10/23/2003 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 2/6/2004 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 5/6/2004 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.35 J | < 0.20 U | < 0.020 U |

| | | 1,1,1-TRICHLOROETHANE | 1,1-DICHLOROETHANE | 1,2-DICHLOROETHANE | 1,2-DICHLOROPROPANE | ACETONE | ACRYLONITRILE | BENZENE | BROMOMETHANE | CARBON DISULFIDE | CHLOROETHANE | CHLOROFORM | CHLOROMETHANE | CIS-1,2-DICHLOROETHENE | DICHLORODIFLUOROMETHANE | ETHYLBENZENE | M & P-XYLENE | METHYL IODIDE | METHYLENE CHLORIDE | O-XYLENE | TOLUENE | TRANS-1,2-DICHLOROETHENE | TRICHLOROETHENE | TRICHLOROFLUOROMETHANE | VINYL CHLORIDE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| Federal Drinking Water Standards | | 200 µg/L | None | 5 µg/L | 5 µg/L | None | None | 5 µg/L | None | None | None | None | None | 70 µg/L | None | 700 µg/L | | None | 5 µg/L | | 1000 µg/L | 100 µg/L | 5 µg/L | None | 2 µg/L |
| Groundwater Quality Criteria | | 200 µg/L | 1 µg/L | 0.5 µg/L | 0.6 µg/L | None | 0.07 µg/L | 1 µg/L | None | None | None | 7 µg/L | None | 70 µg/L | None | 700 µg/L | | None | 5 µg/L | | 1000 ug/L | 100 µg/L | 3 µg/L | None | 0.02 µg/L |
| MW-12 (cont.) | 7/12/2004 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 8/19/2004 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 10/28/2004 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 2/3/2005 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 5/5/2005 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 7/28/2005 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 11/8/2005 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 2/28/2006 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 5/9/2006 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 8/4/2006 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 11/9/2006 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 1/30/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 4/27/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 8/2/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 11/2/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 2/11/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 5/12/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 8/7/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 11/13/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 2/4/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 5/13/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 8/4/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 11/2/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 2/5/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 5/6/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 9/28/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.25 T | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 11/9/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| MW-19 | 2/15/2000 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 5/11/2000 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 8/16/2000 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 11/14/2000 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 2/26/2001 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 5/9/2001 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 7/26/2001 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 UB | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 BU | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 11/6/2001 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 2/11/2002 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 4/24/2002 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 8/12/2002 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 10/30/2002 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 1/30/2003 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.28 J | < 0.20 U | < 0.020 U |
| | 4/23/2003 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 7/21/2003 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 10/17/2003 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 2/10/2004 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 5/5/2004 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 8/17/2004 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 10/27/2004 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 2/1/2005 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 5/4/2005 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 8/1/2005 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 11/8/2005 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 2/2/2006 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |

| | | 1,1,1-TRICHLOROETHANE | 1,1-DICHLOROETHANE | 1,2-DICHLOROETHANE | 1,2-DICHLOROPROPANE | ACETONE | ACRYLONITRILE | BENZENE | BROMOMETHANE | CARBON DISULFIDE | CHLOROETHANE | CHLOROFORM | CHLOROMETHANE | CIS-1,2-DICHLOROETHENE | DICHLORODIFLUOROMETHANE | ETHYLBENZENE | M & P XYLENE | METHYL IODIDE | METHYLENE CHLORIDE | O-XYLENE | TOLUENE | TRANS-1,2-DICHLOROETHENE | TRICHLOROETHENE | TRICHLOROFLUOROMETHANE | VINYL CHLORIDE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| Federal Drinking Water Standards | | 200 µg/L | None | 5 µg/L | 5 µg/L | None | None | 5 µg/L | None | None | None | None | None | 70 µg/L | None | 700 µg/L | | None | 5 µg/L | | 1000 µg/L | 100 µg/L | 5 µg/L | None | 2 µg/L |
| Groundwater Quality Criteria | | 200 µg/L | 1 µg/L | 0.5 µg/L | 0.6 µg/L | None | 0.07 µg/L | 1 µg/L | None | None | None | 7 µg/L | None | 70 µg/L | None | 700 µg/L | | None | 5 µg/L | | 1000 ug/L | 100 µg/L | 3 µg/L | None | 0.02 µg/L |
| MW-19 (cont.) | 5/3/2006 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 8/8/2006 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 11/13/2006 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 1/30/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 4/27/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 8/10/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 11/16/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 2/7/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 5/7/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 8/6/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 UM |
| | 11/6/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 2/4/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 5/4/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 7/31/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 11/5/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 9.64 | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 2/4/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.32 T | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 5/3/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 8/9/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 11/8/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.946 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| MW-27 | 10/28/2003 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 1/14/2004 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 2/17/2004 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | 0.23 J | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 3/17/2004 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 4/19/2004 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.20 J | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 5/24/2004 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 6/28/2004 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.29 J | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | 0.21 J | < 0.020 U |
| | 8/11/2004 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 11/2/2004 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 1 | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 2/2/2005 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 5/6/2005 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 8/3/2005 | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 4.0 U | < 10 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.20 U | < 0.020 U |
| | 11/4/2005 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 2/28/2006 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 5/8/2006 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 8/1/2006 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 11/15/2006 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 4 | < 10 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.2 | | < 0.2 | < 0.2 | | < 0.2 | < 0.2 | < 0.2 | < 0.2 | < 0.02 U |
| | 1/31/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 4/26/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 8/6/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 11/5/2007 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 2/6/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 5/15/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 8/8/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 11/4/2008 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 2/23/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 5/1/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 8/11/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 8.62 B | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.25 T | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 11/5/2009 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 7.56 | < 10 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 2/5/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.2 T | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 4/29/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 8/10/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 11/5/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |

| | | 1,1,1-TRICHLOROETHANE | 1,1-DICHLOROETHANE | 1,2-DICHLOROETHANE | 1,2-DICHLOROPROPANE | ACETONE | ACRYLONITRILE | BENZENE | BROMOMETHANE | CARBON DISULFIDE | CHLOROETHANE | CHLOROFORM | CHLOROMETHANE | CIS-1,2-DICHLOROETHENE | DICHLORODIFLUOROMETHANE | ETHYLBENZENE | M & P XYLENE | METHYL IODIDE | METHYLENE CHLORIDE | O-XYLENE | TOLUENE | TRANS-1,2-DICHLOROETHENE | TRICHLOROETHENE | TRICHLOROFLUOROMETHANE | VINYL CHLORIDE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L | µg/L |
| Federal Drinking Water Standards | | 200 µg/L | None | 5 µg/L | 5 µg/L | None | None | 5 µg/L | None | None | None | None | None | 70 µg/L | None | 700 µg/L | | None | 5 µg/L | | 1000 µg/L | 100 µg/L | 5 µg/L | None | 2 µg/L |
| Groundwater Quality Criteria | | 200 µg/L | 1 µg/L | 0.5 µg/L | 0.6 µg/L | None | 0.07 µg/L | 1 µg/L | None | None | None | 7 µg/L | None | 70 µg/L | None | 700 µg/L | | None | 5 µg/L | | 1000 ug/L | 100 µg/L | 3 µg/L | None | 0.02 µg/L |
| MW-30 | 1/26/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.29 BT | < 0.2 U | 0.32 T | < 0.2 U | 0.21 T | < 0.2 U | < 0.2 U | < 0.2 U | 0.27 T | < 0.2 U | < 0.2 U | 0.35 T | < 0.02 U |
| | 4/29/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.418 | < 0.2 U | 0.23 T | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.28 T | < 0.2 U | < 0.2 U | 0.37 T | < 0.02 U |
| | 8/17/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.418 | < 0.2 U | 0.23 T | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.33 T | < 0.2 U | < 0.2 U | 0.25 T | 0.026 |
| | 11/9/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.25 T | < 0.2 U | 0.3 T | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.3 T | < 0.02 U |
| MW-31 | 1/28/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.37 T | < 0.2 U | < 0.2 U | < 0.2 U | 0.485 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 4/22/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.22 T | < 0.2 U | < 0.2 U | < 0.2 U | 0.39 T | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 8/20/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.3 T | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.34 T | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| | 11/8/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 5.24 B | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.24 T | < 0.2 U | < 0.2 U | < 0.2 U | < 0.02 U |
| MW-32 | 2/19/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 4 U | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 2.29 | < 0.2 U | < 0.2 U | 0.27 T | < 0.2 U | 0.2 T | < 0.2 U | 0.457 | < 0.2 U | < 0.2 U | < 0.2 U | 0.138 |
| | 11/9/2010 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 6.21 B | < 0.07 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.504 | 1.53 | < 0.2 U | < 0.2 U | < 0.2 U | < 0.2 U | 0.43 | < 0.2 U | 0.21 T | < 0.2 U | < 0.2 U | < 0.2 U | 0.0478 |

NOTE: Blank cell notes sample not analyzed for constituent

| QUAL | QUALIFIER DESCRIPTION for samples taken prior to 4/1/2009 (as per KC SWD) |
|---|---|
| B | Analyte Found In Associated Method Blank |
| D | Compound Analyzed at a Secondary Dilution Factor. |
| E | Exceed The Calibration or Linear Range. |
| J | Estimated Value Less Than Practical Quantitation Limit And Greater Than The Method Detection Limit. |
| M | Raised Detection Limit. Due to Matrix Interference. |
| O | Analyzed Beyond Specified Holding Time. |
| P | Pesticide/PCBs > 25% Difference Between Columns. |
| R | Rejected Data |
| U | Analyte Not Detected at Given Value. |
| CG | Confluent Growth (Bacterial Analyses Only) |
| ED | Excess Debris on Growth Media (Bacterial Analyses Only). |

Non-numeric result NOTATIONS:

| | |
|---|---|
| Not | Not Analyzed |
| NT | Not Tested |
| TNTC | Too numerous to count |
| NM | Coliforms 'Not Measured' in sample (no CO2 production). |
| P | Coliforms 'Present' in sample (CO2 production) but can't be quantified. |

| QUAL | QUALIFIER DESCRIPTION for samples taken after 4/12/2009 (as per KC SWD) |
|---|---|
| U | Undetected Analyte concentration <MDL – Less than Method detection limit |
| T | Estimated, Less than Reporting Detection Limit but greater than Method detection limit |
| J | Reported value is an estimate |
| B | Contamination present in Blank |
| C | Confluent Growth |
| E | Estimated, outside expected accuracy |
| H | Exceeds holding time |
| R | Data Rejected |
| S | Sample handling errors |
| X | Too numerous to count |
| D | Dilution |
| P | PASS – Qualitative result acceptable |
| F | FAIL – Qualitative result is not acceptable |
| G | Greater than |
| L | Less than |

# Appendix M.3
# Conventionals

Data collected during 2000 - 2010

| | | TOTAL ALKALINITY (AS CACO3) | AMMONIA AS N | CHLORIDE | HARDNESS | NITRATE | SULFATE | TOTAL DISSOLVED SOLIDS | TOTAL SOLIDS | TOTAL SUSPENDED SOLIDS | TOTAL ORGANIC CARBON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Surface Water Quality Criteria | | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l |
| WA State | Acute | None | NC | None | None | None | None | None | None | None | None |
| | Chronic | None | NC | 230 mg/L | None | None | None | None | None | None | None |
| Federal | Acute | None | NC | NC | None | NC | NC | None | None | None | NC |
| | Chronic | > 20 mg/L | NC | NC | None | NC | NC | None | None | None | NC |
| SW-24S | 5/9/2007 | 540 DB | 0.099 | 16 D | | 0.44 | 3.2 | 600 | 650 | 51 | 6 |
| | 8/15/2007 | 450 DB | 0.062 | 14 D | | 0.5 | 3.7 | 530 | 590 | 61 | 4.7 |
| | 10/31/2007 | 400 DB | < 0.03 U | < 10 U | | 1.3 | 6.3 | 420 | 490 | 71 | 4.2 |
| | 12/19/2007 | 340 DB | 0.059 | 9.3 | | 2 | 8.6 | 360 | 440 | 86 | 5 |
| | 3/11/2008 | 400 DB | < 0.03 U | < 10 U | | 2.1 | 6.8 | 400 D | 470 | 62 D | 5.1 |
| SW-S1 | 5/11/2007 | 92 DB | 0.034 | 4.4 | | 2.7 | 12 | 120 | 350 | 230 | 2.8 |
| | 8/14-15/2007 | 90 DB | 0.056 | 4.8 | | 3.3 | 17 | < 40 U | 4100 | 4100 D | 8.2 |
| | 10/31/2007 | 88 DB | < 0.03 U | 4.6 | | 2.3 | 14 | 130 | 190 | 58 | 7.2 |
| | 12/19-20/2007 | 100 DB | < 0.03 U | 4.8 | | 1.3 | 14 | 150 | 190 | 42 | 2.2 |
| | 3/12/2008 | 94 B | < 0.03 U | 4.6 | | 1.4 | 15 | 130 | 170 | 35 | 2.8 |
| SW-S2 | 5/9/2007 | 570 DB | 0.23 | 55 D | | 0.08 | 8.3 | 720 | 790 | 71 | 8.2 |
| | 8/15/2007 | 580 DB | 0.12 | 55 D | | < 0.05 U | 6.7 | 660 D | 1400 | 750 D | 7.4 |
| | 10/31/2007 | 500 DB | 0.15 | 170 D | | < 0.05 U | 8.4 | 590 | 640 | 51 | 6.8 |
| | 12/19/2007 | 550 DB | 0.39 | 47 D | | 0.38 | 8.3 | 570 | 630 | 58 | 7 |
| | 3/11/2008 | 500 DB | 0.12 | 48 D | | 0.9 | 7.9 | 570 D | 650 | 86 D | 5.8 |
| | 7/16/2008 | 640 DB | 0.11 | 59 D | | < 0.05 U | 8.4 | 660 | 740 | 79 | 9.3 |
| | 10/7/2008 | 610 DB | 0.075 | 55 D | | < 0.05 U | 7.5 | 650 | 700 | 48 | 7.7 |
| | 1/7/2009 | 490 D | 0.2 | 29 D | | < 0.05 U | 5.8 D | 600 | 610 | 9 | 7.2 |
| | 3/25/2009 | 510 D | 0.11 | 4.6 | | < 0.05 U | 13 | 590 | 660 | 75 | 4.6 |
| | 7/14/2009 | 539 | 1.24 | 53.2 | | < 0.01 U | 10.9 | 680 | 760 | 61.3 | 10.4 |
| | 10/27/2009 | 554 | 0.118 | 50.3 | | 0.011 T | 10.9 | 658 | 758 | 72 | 10.1 |
| | 2/4/2010 | 481 | 0.571 | 52.2 | 525 | 0.01 T | 9.27 | 626 | 700 | 59 | 9.51 |
| | 4/15/2010 | 469 | 0.0996 | 52.8 | 463 | 0.017 T | 12.4 | 595 | 664 | 46.5 | 9.09 |
| | 8/12/2010 | 541 | 0.116 | 48 | 528 | < 0.01 U | 10.2 | 647 | 717 | 92.9 | 10.9 |
| | 11/2/2010 | 466 | 0.0953 | 47.4 | 541 | < 0.01 U | 8.48 | 565 | 641 | 44.4 | 11.4 |
| SW-S3 | 5/11/2007 | 250 DB | 0.3 | 6.4 | | 0.07 | 7.4 | 240 | 250 | 8 | 9.5 |
| | 8/15/2007 | 290 DB | 0.15 | 9.3 | | < 0.05 U | 17 | 320 | 340 | 16 | 6.7 |
| | 10/30/2007 | 250 DB | 0.052 | 7.2 | | < 0.05 U | 17 | 290 B | 300 | 10 | 6.4 |
| | 12/20/2007 | 210 DB | 0.052 | 6.9 | | < 0.05 U | 19 | 230 | 240 | 4 | 7.4 |
| | 3/11/2008 | 220 DB | 0.052 | 6.6 | | 1.1 | 20 D | 240 | 250 | 4 | 6.5 |
| SW-S4 | 5/10/2007 | 270 DB | 0.035 | 6 | | 1.5 | 11 | 330 | 670 | 340 | 1.6 |
| | 8/16/2007 | 290 DB | 0.03 | 6.2 | | 0.67 | 14 | 370 D | 2200 | 1900 D | 2.5 |
| | 10/30/2007 | 260 DB | < 0.03 U | 5.9 | | 0.57 | 11 | 300 B | 370 | 68 | 1.5 |
| | 12/19/2007 | 210 DB | 0.033 | 5.8 | | 1.7 | 13 | 240 | 290 | 55 | 1.2 |
| | 3/13/2008 | 170 B | < 0.03 U | 5.5 | | 1.7 | 16 | 210 | 450 | 240 | < 1 U |
| | 7/16/2008 | 250 DB | 0.045 | 6.6 | | < 0.05 U | 15 | 260 | 330 | 70 | 1.3 |
| | 10/7/2008 | 340 DB | 0.07 | 8.1 | | < 0.05 U | 11 | 290 | 870 | 580 | 1.5 |
| | 1/7/2009 | 230 | 0.044 | 6.2 | | < 0.05 U | 15 | 260 | 260 | < 2 U | 1.6 |
| | 3/23/2009 | 240 D | < 0.03 U | 6 | | 0.079 | 14 | 250 | 250 | < 2 U | 1.2 |
| | 7/14/2009 | 347 | 0.0419 | 6.74 | | 0.018 T | 11.6 | 368 | 488 | 180 | 3.12 |
| | 10/27/2009 | 381 | 0.0317 | 6.89 | | 0.014 T | 11.2 | 440 | 606 | 167 | 9.41 |
| | 1/29/2010 | 247 | 0.0237 | 5.95 | | 0.276 H | 11.9 | 285 | 330 | 2.36 | 2.78 |
| | 4/14/2010 | 320 | < 0.01 U | 6.31 | 276 | 0.0733 | 11.5 | 331 | 358 | 3.2 | 3.65 |
| | 8/11/2010 | 343 | 0.0749 | 5.74 | 335 | 0.241 | 11.3 | 361 | 377 | 14.1 | 3.74 |
| | 11/2/2010 | 365 | 0.0367 | 5.46 | 355 | < 0.01 U | 11.3 | 364 | 381 | < 1 U | 4.91 |
| SW-S5 | 5/10/2007 | 200 DB | 0.092 | 5.2 | | 0.96 | 11 | 240 | 530 | 290 | 1.6 |
| | 8/16/2007 | 190 DB | < 0.03 U | 3.4 | | < 0.05 U | 11 | 200 | 220 | 18 | < 1 U |
| | 11/1/2007 | 200 DB | < 0.03 U | 3.2 | | 0.059 | 12 | 230 D | 560 | 330 | < 1 U |
| | 12/13/2007 | 210 DB | < 0.03 U | 3.6 | | < 0.05 U | 13 | 180 | 230 | 53 O | 1.9 |
| | 3/13/2008 | 200 B | < 0.03 U | 3.4 | | 1.2 | 14 | 190 | 200 | 4 | < 1 U |
| | 7/16/2008 | 200 B | < 0.03 U | 3.8 | | 0.11 | 14 | 220 | 270 | 43 | < 1 U |
| | 10/7/2008 | 200 B | 0.05 | 3.4 | | 0.18 | 12 | 200 | 210 | 12 | 1.3 |
| | 1/7/2009 | 190 | < 0.03 U | 4.5 | | 0.2 | 13 | 210 | 210 | < 2 U | 1.5 |
| | 3/24/2009 | 190 D | < 0.03 U | 4.9 | | 0.12 | 15 | 210 | 210 | 5 | < 1 U |
| | 7/16/2009 | 170 | < 0.01 U | 3.81 | | 0.271 | 13.3 | 204 | 231 | 3.2 | 1.2 |
| | 10/27/2009 | 169 | < 0.01 U | 3.74 | | 0.205 | 13.2 | 227 | 233 | 2.45 | 1.92 |
| | 1/29/2010 | 182 | < 0.01 U | 3.88 | 177 | 0.31 H | 12.7 | 228 | 245 | 6.53 | 4.33 |
| | 4/14/2010 | 200 | < 0.01 U | 3.68 | 176 | 0.481 | 13 | 209 | 228 | 11.4 | 2.49 |
| | 8/11/2010 | 179 | 0.013 T | 3.02 | 180 | 0.319 | 13.2 | 209 | 264 | 2.42 | 3.02 |
| | 11/5/2010 | 187 | < 0.01 U | 3.14 | 185 | 0.411 | 12.7 | 192 | 215 | 15.1 | 2.43 |

| | | TOTAL ALKALINITY (AS CACO3) | AMMONIA AS N | CHLORIDE | HARDNESS | NITRATE | SULFATE | TOTAL DISSOLVED SOLIDS | TOTAL SOLIDS | TOTAL SUSPENDED SOLIDS | TOTAL ORGANIC CARBON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Surface Water Quality Criteria | | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l |
| WA State | Acute | None | NC | None | None | None | None | None | None | None | None |
| | Chronic | None | NC | 230 mg/L | None | None | None | None | None | None | None |
| Federal | Acute | None | NC | NC | None | NC | NC | None | None | None | NC |
| | Chronic | > 20 mg/L | NC | NC | None | NC | NC | None | None | None | NC |
| SW-S6 | 5/10/2007 | 230 DB | < 0.03 U | 5.2 | | 0.7 | 11 | 250 | 280 | 27 | 1.5 |
| | 8/16/2007 | 140 DB | < 0.03 U | 5.2 | | 1.7 | 11 | 250 D | 740 | 490 D | 2.2 |
| | 11/1/2007 | 180 DB | < 0.03 U | 5.4 | | 1 | 11 | 220 | 320 | 93 | 1.2 |
| | 12/18/2007 | 200 DB | < 0.03 U | 6.7 | | 1.9 | 11 | 200 | 330 | 120 O | 1 |
| | 3/13/2008 | 180 B | < 0.03 U | 5.7 | | 2.6 | 11 | 210 | 270 | 51 | < 4 U |
| | 7/16/2008 | 200 B | 0.031 | 6 | | 0.69 | 12 | 220 | 270 | 55 | 1.1 |
| | 10/7/2008 | 200 B | 0.046 | 5.8 | | 0.79 | 9.1 | 200 | 280 | 83 | 1.7 |
| | 1/6/2009 | 170 D | < 0.03 U | 6.1 | 130 | 1 | 12 | 230 | 250 | 12 | 1.5 |
| | 3/24/2009 | 200 D | < 0.03 U | 10 D | | 1.2 | 13 D | 230 | 260 | 34 | 1.2 |
| | 7/16/2009 | 199 | < 0.01 U | 5.48 | | 0.28 | 11.3 | 250 | 291 | 39.3 | 2.17 |
| | 10/27/2009 | 4.2 T | < 0.01 U | 5.63 | | 0.508 | 11 | 270 | 383 | 47 | 26.8 |
| | 1/29/2010 | 210 | < 0.01 U | 5.95 | 200 | 1.21 H | 12.2 | 250 | 327 | | 11.8 |
| | 4/14-15/2010 | 228 | < 0.01 U | 5.3 | 206 | 0.759 | 12.5 | 250 | 358 | 31.6 | 17.6 |
| | 8/11/2010 | 213 | 0.015 T | 4.84 | 233 | 0.673 | 12.4 | 248 | 338 | 56.8 | 14.3 |
| | 11/5/2010 | 188 | < 0.01 U | 5.42 | 226 | 1.04 | 13.1 | 240 | 497 | 275 | 6.26 |
| SW-14E | 5/9/2007 | 240 DB | < 0.03 U | 18 D | 210 | 0.58 | 11 | 310 | 420 | 110 | |
| SW-W1 | 3/31/2000 | | 0.03 | 5.7 | 270 | 1.9 | 16 | | 340 | 70 | 5 |
| | 6/29/2000 | | 0.03 | 6.1 | 160 | 0.92 | 15 | | 400 | 96 | 2.7 |
| | 12/27/2001 | 140 M | < 0.01 U | 6 | 160 | 0.81 | 18 | | 240 | 19 | 3.3 |
| | 3/26/2003 | 130 M | < 0.01 U | 5 | 120 | 1.1 | 15 | | 200 | 9 | 3.4 |
| | 5/29/2003 | 150 M | 0.11 | 6 | 370 | 0.54 MJ | 16 | | 430 | 280 | 4.6 |
| | 3/26/2004 | 120 M | 0.09 | 5 | 130 | 1.4 M | 14 | | 190 | 13 | 9.4 |
| | 3/28/2007 | 90 DB | < 0.03 U | 3.5 | 90 | 3.1 | 9.7 | 120 | 140 | 22 | 3 |
| | 5/9/2007 | 90 DB | < 0.03 U | 4.8 | 100 | 2.7 | 12 | 180 | 340 | 160 | 5.2 |
| | 8/14/2007 | 100 DB | < 0.03 U | 5.1 | 100 | 2.7 | 14 | 110 D | 250 | 140 D | 3.3 |
| | 11/1/2007 | 98 DB | < 0.03 U | 4.2 | 110 | 1.9 | 14 | 180 | 370 | 190 | 3.8 |
| | 3/12/2008 | 96 DB | < 0.03 U | 3.8 | 100 O | 2.2 | 14 | 140 | 180 | 31 | 3.2 |
| | 5/21/2008 | 100 DB | < 0.03 U | 4.6 | 110 | 1.4 | 14 | 190 | 210 | 16 | 3.2 |
| | 7/15/2008 | 110 B | < 0.03 U | 4.6 | 100 | 0.75 | 14 | 140 | 160 | 21 | 3.5 |
| | 10/6/2008 | 120 B | 0.062 | 4.6 | 120 | 0.35 | 13 | 150 | 240 | 86 | 3.8 O |
| | 3/26/2009 | 110 D | < 0.03 U | 4.5 | 110 | 1.4 | 10 | 160 | 170 | 8 | 2 |
| | 7/13/2009 | 106 | 0.0732 | 5.26 | 103 | 0.334 | 13 | 168 | 197 | 52 | 9.24 |
| | 10/20/2009 | 108 | 0.0904 | 4.91 | 107 | 0.245 | 15.7 | 182 | 255 | 8.11 | 7.86 |
| | 1/21/2010 | 92.6 | 0.0205 | 4.68 | 90.5 | 2.15 | 10.9 | 151 | 180 | 40 | 7.14 |
| | 4/19/2010 | 92.8 | 0.018 T | 5.43 | 95.8 | 2.11 | 11.6 | 151 | 162 | 28 | 5.28 |
| | 8/16/2010 | 105 | 0.0419 | 5.11 | 117 | 0.637 | 10.6 | 156 | 168 | 10.1 | 45.5 |
| | 11/9/2010 | 83.4 | 0.017 T | 4.8 | 106 | 2.29 | 10.2 | 145 | 217 | 77.3 | 14.6 |
| SW-W2 | 3/31/2000 | | 0.02 | 30 | 480 | < 0.2 UM | 7.3 | | 600 | 50 | 4.8 |
| | 6/29/2000 | | 0.02 | 30 M | 370 | < 0.5 UM | 5.6 M | | 580 | 25 | 4.7 |
| | 9/29/2000 | | 0.02 | 32 M | 450 | < 0.05 UM | 5 | | 670 | 58 | 5.2 |
| | 12/21/2000 | | < 0.01 U | 34 M | 410 | 0.03 J | 7 | | 580 | 11 | 5.2 |
| | 3/29/2001 | | < 0.01 U | 30 M | 420 | 0.09 J | 6 M | | 560 | 19 | 5.9 |
| | 6/26/2001 | | < 0.01 U | 35 M | 420 | < 0.01 U | 6 | | 220 | 31 | 5 |
| | 12/27/2001 | 460 M | 0.01 | 31 M | 490 | 0.02 J | 8 | | 620 | 56 | 5.4 |
| | 3/28/2002 | 480 M | 0.04 | 34 M | 460 | 0.12 J | 8 | | 920 B | 380 | 4.8 |
| | 6/26/2002 | 530 M | 0.05 | 36 M | 460 | 0.11 J | 6 | | 850 | 240 | 5.8 |
| | 9/27/2002 | 530 M | 0.01 | 38 M | 400 | < 0.01 U | 6 | | 810 | 36 | 5.2 |
| | 12/13/2002 | 500 M | 0.01 | 33 M | 430 | < 0.01 U | 7 | | 560 | 14 | 6.8 |
| | 3/26/2003 | 450 M | < 0.01 U | 26 M | 370 | 0.01 J | 7 | | 520 | 11 | 5.2 |
| | 5/29/2003 | 500 M | < 0.01 U | 32 M | 500 | < 0.05 UM | 7 | | 640 | 75 | 5.2 |
| | 9/30/2003 | 490 M | < 0.01 U | 34 M | 470 | < 0.05 UM | 6 | | 630 | 34 | 4.6 |
| | 12/18/2003 | 470 M | < 0.01 U | 33 M | 480 | 0.05 MJ | 8 | | 550 | 12 | 4.9 |
| | 3/25/2004 | 410 M | < 0.01 U | 26 M | 470 | < 0.05 UM | 7 | | 660 | 200 | 7.9 |
| | 6/7/2004 | 470 M | < 0.01 U | 33 M | 490 | < 0.05 UM | 7 | | 610 | 56 | 4.7 |
| | 9/29/2004 | 480 M | < 0.05 UM | 31 M | 510 | < 0.05 UM | 6 | | 600 | 14 | 4.9 |
| | 12/22/2004 | 450 M | < 0.05 UM | 32 M | 580 | 9.0 MJ | 9 | | 570 | 20 | 5 |
| | 2/23/2005 | 450 M | < 0.05 UM | 31 M | 430 | 0.21 MJ | 8 | | 570 | 29 | 4.4 |
| | 5/16/2005 | 440 M | 0.10 M | 32 M | 640 | 0.16 MJ | 7 | | 600 | 29 | 5.3 |
| | 9/29/2005 | 460 DB | 0.047 | | 520 | < 0.05 U | 6.9 | 520 O | 540 | 25 | 5 |
| | 12/9/2005 | 460 DB | < 0.03 U | | 500 | < 0.05 U | 8 | 490 | 500 | 11 | 4.7 |
| | 2/27/2006 | 420 DB | < 0.03 U | 34 D | 470 U | 0.2 | 9.1 | 450 | 480 | 30 | 4.7 |
| | 5/26/2006 | 460 D | 45 D | 33 D | 490 | 0.11 | 7.3 | 540 | 570 | 26 | 58 D |
| | 7/27/2006 | 460 DB | < 0.03 U | 38 D | 360 | 0.086 | 6.6 | 510 | 530 | 23 | 5 |
| | 3/28/2007 | 400 DB | < 0.03 U | < 1 U | 150 | 0.22 | 7.4 | 430 | 440 | 11 | 4.9 |
| | 5/9/2007 | 440 DB | < 0.03 U | 33 D | 400 | 0.15 | 7.5 | 520 | 540 | 18 | 5.4 |
| | 8/14/2007 | 460 DB | < 0.03 U | 36 D | 390 | 0.11 | 6.8 | 490 | 520 | 30 | 4.7 |
| | 10/30/2007 | 430 DB | < 0.03 U | 30 D | 380 O | 0.11 | 7.3 | 460 O | 590 | 130 | 5.1 |

| | | TOTAL ALKALINITY (AS CACO3) | AMMONIA AS N | CHLORIDE | HARDNESS | NITRATE | SULFATE | TOTAL DISSOLVED SOLIDS | TOTAL SOLIDS | TOTAL SUSPENDED SOLIDS | TOTAL ORGANIC CARBON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Surface Water Quality Criteria | | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l |
| WA State | Acute | None | NC | None | None | None | None | None | None | None | None |
| | Chronic | None | NC | 230 mg/L | None | None | None | None | None | None | None |
| Federal | Acute | None | NC | NC | None | NC | NC | None | None | None | NC |
| | Chronic | > 20 mg/L | NC | NC | None | NC | NC | None | None | None | NC |
| SW-W2 (cont.) | 12/18/2007 | 400 DB | < 0.03 U | 26 D | 350 | 0.42 | 8.7 | 390 | 410 | 19 O | |
| | 3/12/2008 | 410 DB | < 0.03 U | 26 D | 380 O | 0.35 | 9.2 | 430 | 490 | 64 | 5 |
| | 5/21/2008 | 420 DB | < 0.03 U | 33 D | 400 | 0.16 | 10 D | 74 | 95 | 21 | 5.4 |
| | 7/15/2008 | 460 DB | < 0.03 U | 36 D | 380 | 0.13 | 7 | 470 | 510 | 39 | 5.2 |
| | 10/6/2008 | 480 DB | < 0.03 U | 37 D | 420 | 0.085 | 7.2 | 450 | 470 | 22 | 5.5 O |
| | 1/6/2009 | 390 D | < 0.03 U | 32 D | 330 | 0.27 | 10 D | 450 | 450 | 2 | 6.5 |
| | 3/26/2009 | 420 D | < 0.03 U | 26 D | 430 | 0.21 | 7 | 470 | 490 | 16 | 3 |
| | 7/13/2009 | 415 | < 0.01 U | 34.4 | 405 | 0.0932 | 7.8 | 494 | 536 | 30.6 | 6.88 |
| | 10/20/2009 | 392 | < 0.01 U | 33.1 | 411 | 0.0653 | 9.48 | 491 | 533 | 14 | 7 |
| | 1/21/2010 | 390 | 0.011 T | 28 | 373 | 0.204 | 9.04 | 449 | 487 | 24.4 | 8.75 |
| | 4/19/2010 | 399 | 0.011 T | 32.6 | 401 | 0.159 | 9.29 | 441 | 472 | 22.9 | 7.04 |
| | 8/16/2010 | 418 | 0.013 T | 31.5 | 461 | 0.106 | 7.76 | 456 | 507 | 28.7 | 10.2 |
| | 11/9/2010 | 323 | < 0.01 U | 24.7 | 390 | 0.0613 | 8.05 | 393 | 493 | 65 | 18 |
| SW-W3 | 3/31/2000 | | 0.03 | 12 | 260 | 0.55 | 12 | | 340 | 29 | 3.1 |
| | 6/29/2000 | | < 0.01 U | 10 M | 200 | 0.16 J | 9.3 | | 350 | 26 | 3.1 |
| | 9/29/2000 | | < 0.05 UM | 14 M | 240 | 0.11 J | 9.2 | | 500 | 130 | 3.1 |
| | 12/21/2000 | | < 0.01 U | 15 M | 230 | 0.3 | 12 | | 350 | 37 | 3.5 |
| | 3/29/2001 | | < 0.01 U | 12 M | 230 | 0.24 | 10 | | 320 | 19 | 3.5 |
| | 6/26/2001 | | < 0.01 U | 13 M | 220 | 0.12 J | 10 | | 420 | 69 | 2.8 |
| | 12/27/2001 | 250 M | < 0.01 U | 12 M | 240 | 0.35 | 12 | | 320 | 6 | 3.7 |
| | 3/28/2002 | 250 M | 0.02 | 12 M | 250 | 0.32 | 12 | | 430 B | 160 | 2.9 |
| | 6/26/2002 | 290 M | < 0.01 U | 12 M | 230 | 0.15 J | 10 | | 340 | 29 | 3.3 |
| | 9/27/2002 | 290 M | < 0.01 U | 16 M | 210 | 0.15 J | 11 M | | 330 | 11 | 3 |
| | 12/13/2002 | 270 M | < 0.01 U | 13 M | 260 | 0.18 J | 11 | | 600 | 180 | 4.9 |
| | 3/26/2003 | 240 M | < 0.01 U | 10 M | 200 | 0.18 J | 10 | | 300 | 8 | 4.2 |
| | 5/29/2003 | 260 M | 0.02 | 15 M | 250 | 0.14 MJ | 11 | | 330 | 29 | 3 |
| | 9/30/2003 | 270 M | 0.07 | 13 M | 260 | 0.09 MJ | 11 | | 380 | 43 | 2.9 |
| | 12/18/2003 | 240 M | < 0.01 U | 10 M | 310 | 0.18 MJ | 11 | | 300 | 440 | 3.5 |
| | 3/24/2004 | 230 M | < 0.01 U | 11 M | 240 | 0.13 MJ | 11 | | 270 | 44 | 3.6 |
| | 6/7/2004 | 250 M | < 0.01 U | 10 M | 250 | 0.10 MJ | 10 | | 350 | 70 | 2.8 |
| | 9/29/2004 | 240 M | 0.2 M | 10 M | 270 | < 0.05 UM | 10 | | 350 | 80 | 2.8 |
| | 12/23/2004 | 230 M | < 0.05 UM | 10 M | 330 | 0.25 MJ | 12 | | 310 | 11 | 3.1 |
| | 2/24/2005 | 230 M | < 0.05 UM | 9 | 240 | 0.32 MJ | 12 | | 310 | 37 | 2.8 |
| | 5/17/2005 | 220 M | 0.09 M | 10 M | 270 | 0.20 MJ | 11 | | 320 | 66 | 3.5 |
| | 12/9/2005 | 230 DB | < 0.03 U | | 230 | 0.12 | 11 | 390 | 390 | 9 | 2.8 |
| | 2/27/2006 | 190 DB | < 0.03 U | 9.9 | 210 U | 0.5 | 13 | 200 | 200 | 2 | 3 |
| | 6/29/2006 | 210 | < 0.03 U | 9.9 | 220 | 0.2 | 12 | 250 | 290 | 34 | 2.8 |
| | 9/27/2006 | 220 | < 0.03 U | 11 | 190 | 0.18 | 12 | 290 | 330 | 32 | 3.5 |
| | 3/28/2007 | 180 DB | < 0.03 U | 6.8 | 350 | 0.73 | 9.4 | 200 | 220 | 20 | 3.9 |
| | 5/9/2007 | 180 DB | < 0.03 U | 8.5 | 170 | 0.58 | 11 | 250 | 280 | 34 | 3.3 |
| | 8/14/2007 | 190 DB | < 0.03 U | 9.6 | 170 | 0.54 | 12 | 240 | 310 | 73 | 2.8 |
| | 10/30/2007 | 180 DB | < 0.03 U | 30 D | 150 O | 0.47 | 7.3 | 220 | 270 | 49 | 3.4 |
| | 12/18/2007 | 170 DB | < 0.03 U | 8.6 | 150 | 0.76 | 12 | 180 | 180 | < 2 U | |
| | 3/12/2008 | 180 DB | < 0.03 U | 8.1 | 160 O | 0.56 | 13 | 190 | 230 | 45 | 3 |
| | 5/21/2008 | 180 DB | < 0.03 U | < 10 UO | 180 | 0.32 | 13 O | 89 | 120 | 27 | 3.1 |
| | 7/15/2008 | 200 DB | 0.045 | 9.4 D | 160 | 0.28 | 12 | 200 | 260 | 61 | 3.6 |
| | 10/6/2008 | 200 B | < 0.03 U | 9.3 | 190 | 0.26 | 11 | 160 | 180 | 19 | 3.7 O |
| | 1/6/2009 | 160 | < 0.03 U | 8.7 | 140 | 0.78 | 11 | 200 | 210 | 11 | 6.3 |
| | 3/26/2009 | 170 D | < 0.03 U | 7.2 | 170 | 0.53 | 9.6 | 220 | 240 | 18 | 1.8 |
| | 7/13/2009 | 182 | < 0.01 U | 9.04 | 174 | 0.29 | 12.4 | 238 | 271 | 22.5 | 5.11 |
| | 10/20/2009 | 180 | < 0.01 U | 9.09 | 173 | 0.342 | 12.9 | 238 | 287 | 14.5 | 5.2 |
| | 1/21/2010 | 154 | < 0.01 U | 7.68 | 142 | 0.49 | 11.7 | 205 | 222 | 12.4 | 7.04 |
| | 4/19/2010 | 165 | < 0.01 U | 8.41 | 154 | 0.407 | 12.1 | 212 | 226 | 25.6 | 6.71 |
| | 8/16/2010 | 178 | < 0.01 U | 8.84 | 197 | 0.305 | 11.7 | 223 | 253 | 27.3 | 5.9 |
| | 11/9/2010 | 138 | < 0.01 U | 7.64 | 176 | 0.373 | 9.18 | 187 | 463 | 156 | 25.3 |

| | | TOTAL ALKALINITY (AS CACO3) | AMMONIA AS N | CHLORIDE | HARDNESS | NITRATE | SULFATE | TOTAL DISSOLVED SOLIDS | TOTAL SOLIDS | TOTAL SUSPENDED SOLIDS | TOTAL ORGANIC CARBON |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Surface Water Quality Criteria | | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l | mg/l |
| WA State | Acute | None | NC | None | None | None | None | None | None | None | None |
| | Chronic | None | NC | 230 mg/L | None | None | None | None | None | None | None |
| Federal | Acute | None | NC | NC | None | NC | NC | None | None | None | NC |
| | Chronic | > 20 mg/L | NC | NC | None | NC | NC | None | None | None | NC |
| SW-W4 | 5/10/2007 | 120 DB | < 0.03 U | 4.8 | 110 | < 0.05 U | 12 | 180 | 210 | 27 | |
| | 8/14/2007 | 130 DB | < 0.03 U | 4.9 | 110 | 0.062 | 12 | 140 | 170 | 26 | |
| | 10/31/2007 | 120 DB | < 0.03 U | 5.2 | 110 | 0.054 | 12 | 150 | 160 | 13 | |
| | 12/18/2007 | 120 DB | < 0.03 U | 5.3 | 110 | < 0.05 U | 13 | 120 | 140 | 21 O | |
| | 3/12/2008 | 110 B | < 0.03 U | 4.6 | 110 | 0.08 | 15 | 130 | 150 | 21 | |
| SW-W5 | 5/10/2007 | 130 DB | < 0.03 U | 4.5 | 120 | 0.27 | 14 | 190 | 230 | 44 | |
| | 8/14/2007 | 140 DB | < 0.03 U | 4.4 | 120 | 0.26 | 13 | 170 | 220 | 49 | |
| | 10/30/2007 | 130 DB | < 0.03 U | 4.2 | 120 | 0.25 | 12 | 180 B | 180 | 2 | |
| | 12/18/2007 | 130 DB | < 0.03 U | 4.7 | 110 | 0.36 | 13 | 120 | 170 | 47 O | |
| | 3/12/2008 | 130 B | < 0.03 U | 4.3 | 130 | 1.6 | 14 | 140 | 160 | 17 | |
| | 7/15/2008 | 140 B | 0.032 | 4.7 | 120 | 0.28 | 14 | 150 | 170 | 19 | |
| | 10/6/2008 | 150 B | < 0.03 U | 4.3 | 130 | 0.26 | 13 | 160 | 170 | 5 | |
| | 1/6/2009 | 130 | < 0.03 U | 5.5 | 130 | 0.44 | 13 | 170 | 170 | < 2 U | |
| | 3/23/2009 | 140 D | < 0.03 U | 4.9 | 110 | 0.32 | 14 | 180 | 190 | 8 | |
| | 7/10/2009 | 123 | < 0.01 U | 4.6 | 123 | 0.241 | 13.3 | 181 | 211 | 34.3 | |
| | 10/19/2009 | 124 | < 0.01 U | 4.74 | 123 | 0.211 | 14 | 194 | 195 | 2.27 | |
| | 1/22/2010 | 127 | < 0.01 U | 4.36 | 118 | 0.339 | 13.7 | 184 | 190 | 10.6 | |
| | 4/19/2010 | 124 | < 0.01 U | 4.47 | 121 | 0.254 | 13.8 | 164 | 203 | 26.2 | |
| | 8/12/2010 | 128 | 0.012 T | 4.02 | 148 | 0.199 | 13.7 | 176 | 192 | 5.9 | |
| | 11/1/2010 | 99.5 | < 0.01 U | 3.93 | 114 | 1.44 | 9.18 | 171 | 214 | 57.8 | |
| SW-W6 | 5/10/2007 | 140 DB | < 0.03 U | 4 | 130 | 0.31 | 12 | 180 | 180 | 4 | |
| | 8/14/2007 | 140 DB | < 0.03 U | 3.8 | 120 | 0.33 | 12 | 160 | 160 | 2 | |
| | 11/1/2007 | 130 DB | < 0.03 U | < 1 U | 130 | 0.29 | < 1 U | 180 | 200 | 19 | |
| | 12/18/2007 | 140 DB | < 0.03 U | 4.2 | 120 | 0.42 | 12 | 120 | 120 | 2 O | |
| | 3/12/2008 | 150 B | < 0.03 U | 4 | 130 | 1.7 | 13 | 140 | 150 | 4 | |
| | 7/15/2008 | 160 B | < 0.03 U | 4.5 | 140 | 0.32 | 12 | 180 | 180 | 3 | |
| | 10/6/2008 | 160 B | < 0.03 U | 4 | 140 | 0.33 | 12 | 170 | 180 | 5 | |
| | 3/24/2009 | 150 D | < 0.03 U | 5.2 | 120 | 0.39 | 13 | 170 | 180 | 4 | |
| | 7/10/2009 | 143 | < 0.01 U | 4.57 | 133 | 0.355 | 12.1 | 190 | 205 | 4.51 | |
| | 10/19/2009 | 129 | < 0.01 U | 4.68 | 127 | 0.259 | 12.8 | 192 | 209 | 129 | |
| | 1/22/2010 | 128 | < 0.01 U | 4.33 | 117 | 0.447 | 12 | 176 | 174 | 4.2 | |
| | 4/19/2010 | 134 | < 0.01 U | 4.56 | 130 | 0.315 | 11.8 | 174 | 185 | 8.4 | |
| | 8/12/2010 | 137 | 0.015 T | 4.1 | 149 | 0.314 | 11.3 | 183 | 185 | 3.4 | |
| | 11/1/2010 | 89.2 | < 0.01 U | 3.84 | 106 | 0.4 | 6.95 | 162 | 233 | 83.2 | |
| SW-W7 | 5/10/2007 | 140 DB | < 0.03 U | 4.9 | 120 | 0.99 | 14 | 130 | 140 | 12 | |
| | 8/14/2007 | 140 DB | < 0.03 U | 4.9 | 120 | 1.2 | 13 | 170 | 190 | 14 | |
| | 11/1/2007 | 130 DB | < 0.03 U | 4.7 | 130 | 1 | 13 | 190 | 200 | 12 | |
| | 12/18/2007 | 130 DB | < 0.03 U | 5.1 | 120 | 1.1 | 13 | 160 | 170 | 7 O | |
| | 3/12/2008 | 130 B | < 0.03 U | 4.7 | 130 | 2.1 | 15 | 150 | 160 | 6 | |

| | | TOTAL ALKALINITY (AS CACO3) mg/l | AMMONIA AS N mg/l | CHLORIDE mg/l | HARDNESS mg/l | NITRATE mg/l | SULFATE mg/l | TOTAL DISSOLVED SOLIDS mg/l | TOTAL SOLIDS mg/l | TOTAL SUSPENDED SOLIDS mg/l | TOTAL ORGANIC CARBON mg/l |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Federal Drinking Water Standards | | None | None | 250 mg/L | None | 10 mg/L | 250 mg/L | 500 mg/L | None | None | None |
| Groundwater Quality Criteria | | None | None | 250 mg/L | None | 10 mg/L | 250 mg/L | 500 mg/L | None | None | None |
| MW-2 | 2/17/2000 | 110 M | < 0.01 U | 4 | | < 0.01 U | 14 | 190 | 200 | 1. U | < 1.0 U |
| | 5/11/2000 | 160 M | < 0.01 U | 3.7 | | 0.02 J | 13 | 180 | 190 | < 1 U | < 1.0 U |
| | 8/22/2000 | 140 M | < 0.01 U | 3.7 | | 0.01 J | 12 | 180 | 180 B | 1 J | < 1.0 U |
| | 11/17/2000 | 160 M | < 0.01 U | 3.8 | | < 0.01 U | 12 | 180 | 200 | < 1 U | < 1.0 U |
| | 2/7/2001 | 160 M | < 0.01 U | 4 | | 0.02 J | 12 | 190 | 210 | 2 | < 1.0 U |
| | 5/16/2001 | 150 M | < 0.01 U | 3 | | < 0.01 U | 10 | 200 | 220 | < 1 U | < 1.0 U |
| | 7/24/2001 | 200 M | < 0.01 U | 4 | | 0.02 J | 10 | 210 B | 230 B | 1 J | < 1.0 U |
| | 11/6/2001 | 210 M | 0.03 | 3 | | 0.05 J | 10 | 240 | 250 B | < 1 U | 1.2 |
| | 2/13/2002 | 220 M | < 0.01 U | 4 | | 0.08 BJ | 9 | 260 B | 200 | < 1 U | < 1.0 U |
| | 4/30/2002 | 230 M | < 0.01 U | 4 | | 0.04 J | 9 | 240 | 260 | < 1 U | < 1.0 U |
| | 8/16/2002 | 230 M | < 0.01 U | 4 | | < 0.01 U | 9 | 230 B | 240 | 1 J | < 1.0 U |
| | 10/28/2002 | 240 M | < 0.01 U | 3 | | < 0.01 U | 9 | 230 | 260 | 1. U | 1.4 |
| | 2/3/2003 | 240 M | < 0.01 U | 4 | | 0.02 J | 10 | 230 | 250 | < 1 U | < 1.0 U |
| | 5/2/2003 | 240 M | < 0.01 U | 4 | | < 0.05 UM | 9 | 250 | 270 | 1 J | < 1 U |
| | 7/24/2003 | 240 M | 0.04 | 4 | | < 0.05 UM | 9 | 240 | 270 | 1 J | < 1.0 U |
| | 10/20/2003 | 230 M | < 0.01 U | 3 | | < 0.05 UM | 9 | 260 | 260 M | < 1 U | < 1 U |
| | 2/9/2004 | 260 M | < 0.01 U | 4 | | 0.05 MJ | 9 | 250 | 250 M | < 1 U | < 1.0 U |
| | 4/30/2004 | 240 M | 0.04 | 4 | | < 0.05 UM | 9 | 250 | 250 M | < 1 U | < 1.0 U |
| | 8/13/2004 | 240 M | < 0.01 U | 3 | | < 0.05 UM | 9 | 270 | 270 M | 3 | < 1.0 U |
| | 10/29/2004 | 250 M | < 0.05 UM | 3 | | < 0.05 UM | 9 | 250 | 250 M | < 1 U | < 1 U |
| | 1/27/2005 | 270 M | < 0.05 UM | 3 | | 0.05 MJ | 9 | 250 | 250 M | < 1 U | < 1.0 U |
| | 5/6/2005 | 270 M | < 0.05 UM | 3 | | 0.07 MJ | 9 | 230 | 230 M | 3 | < 1.0 U |
| | 7/29/2005 | 260 M | < 0.05 UM | 3 | | 0.19 MJ | 9 | 250 | 250 M | 1 J | < 1.0 U |
| | 11/9/2005 | 270 DB | < 0.03 U | 3.6 | | 0.062 | 9.2 | 270 | 270 | 2 | < 1 U |
| | 1/30/2006 | 270 | < 0.03 U | 3.5 | | 0.075 | 9.5 | 250 | 250 | < 2 U | < 1 U |
| | 5/3/2006 | 260 DB | < 0.03 U | 3.5 | | 0.063 | 9.8 | 270 | 270 | < 2 U | < 1 U |
| | 8/10/2006 | 270 DB | < 0.03 U | 3.5 | | < 0.05 U | 9.9 | 260 | 260 | < 2 U | < 1 U |
| | 11/1/2006 | 260 DB | < 0.03 U | 3.1 | | 0.068 | 11 | 300 | 300 | < 2 U | < 1 U |
| | 11/1/2006 | 260 DB | < 0.03 U | 3 | | 0.071 | 10 | 290 | 290 | < 2 U | < 1 U |
| | 1/30/2007 | 260 DB | < 0.03 U | 3.7 | | 0.069 | 11 | 260 | 260 | < 2 U | < 1 U |
| | 4/30/2007 | 270 DB | < 0.03 U | 3.3 | | 0.075 | 11 | 260 | 260 | < 2 U | < 1 U |
| | 8/1/2007 | 260 DB | < 0.03 U | 3 | | < 0.05 U | 11 | 270 D | 270 | < 2 U | < 1 U |
| | 11/6/2007 | 260 DB | < 0.03 U | 2.9 | | 0.081 | 11 | 260 | 260 | 2 | < 1 U |
| | 2/4/2008 | 290 | < 0.03 U | 3 | | 0.091 | 11 | 260 | 270 | 2 | < 1 U |
| | 5/12/2008 | 260 B | < 0.03 U | 3.4 | | 0.22 | 13 | 270 | 270 | < 2 U | < 1 U |
| | 8/6/2008 | 280 B | < 0.03 U | 4 | | 0.19 | 14 | 320 | 320 | 4 | < 1 U |
| | 11/6/2008 | 300 B | < 0.03 U | 4.2 | | 0.28 | 13 | 280 | 280 | < 2 U | < 1 U |
| | 2/20/2009 | 270 D | < 0.03 U | 4 | | 0.3 | 12 | 34 O | 35 O | < 2 U | < 1 U |
| | 5/7/2009 | 249 | < 0.01 U | 4.28 | | 0.326 | 13.2 | 289 | 302 | < 1 U | 2.02 |
| | 8/3/2009 | 262 | < 0.01 U | 4.28 | | 0.356 | 13.5 | 297 | 306 | < 1 U | 2.79 |
| | 11/17/2009 | 265 | < 0.01 U | 4.24 | | 0.442 | 13.7 | 300 | 311 | 1 | 3.65 |
| | 2/16/2010 | 257 | < 0.01 U | 4.19 | | 0.501 | 14.4 | 290 | 296 | < 1 U | 1.85 |
| | 4/30/2010 | 251 | < 0.01 U | 4.1 | | 0.461 | 15.6 | 286 | 291 | < 1 U | < 1 U |
| | 8/3/2010 | 245 | < 0.01 U | 3.13 | | 0.339 | 15.3 | 275 | 288 | < 1 U | 2.82 |
| | 11/5/2010 | 238 | < 0.01 U | 3.38 | | 0.356 | 15.7 | 256 | 262 | < 1 U | 2.21 |
| MW-5D | 2/17/2000 | 320 M | 0.05 | 4 | | < 0.20 UM | 6 | 350 | 380 | 33 | 3 |
| | 5/5/2000 | 300 M | 0.05 | 3.9 | | 1. UM | 6 | 330 | 380 | 21 | 2.8 |
| | 8/18/2000 | 350 M | < 0.05 UM | 4.1 | | < 0.5 UM | 5.7 | 330 | 410 | 44 B | 3.5 |
| | 11/9/2000 | 360 M | 0.06 | 7.6 | | < 0.2 UM | 6.3 | 410 | 520 | 89 | 4 |
| | 1/31/2001 | 350 M | < 0.01 U | 5 | | 0.03 J | 7 | 370 | 410 | 6 | 3.5 |
| | 5/16/2001 | 310 M | 0.01 | 5 | | 0.03 J | 6 | 350 | 400 | 14 | 2.9 |
| | 7/27/2001 | 320 M | < 0.01 U | 5 | | 0.06 J | 7 | 360 | 410 | 33 | 2.6 |
| | 11/7/2001 | 380 M | < 0.01 U | 8 | | < 0.01 U | 7 | 450 | 490 BM | 64 M | 3.7 O |
| | 2/13/2002 | 440 M | < 0.01 U | 11 M | | 0.01 J | 6 | 490 B | 570 | 64 | 4.2 |
| | 4/25/2002 | 400 M | 0.09 | 6 | | < 0.01 U | 6 | 400 | 440 | 32 | 3.7 |
| | 8/7/2002 | 370 M | 0.03 | 4 | | < 0.01 U | 6 | 370 B | 410 B | 14 | 2.3 |
| | 11/5/2002 | 330 M | 0.07 | 4 | | < 0.01 U | 6 | 320 | 420 | 68 | 3.4 |
| | 11/5/2002 | 320 M | 0.06 | 4 | | < 0.01 U | 6 | 330 | 410 | 62 | 3.3 |
| | 1/28/2003 | 320 M | 0.07 | 4 | | < 0.01 U | 6 | 340 | 470 | 95 | 2.8 |
| | 5/5/2003 | 310 M | 0.04 | 4 | | < 0.05 UM | 7 | 350 | 390 | 33 | 2.4 |

| | | TOTAL ALKALINITY (AS CACO3) mg/l | AMMONIA AS N mg/l | CHLORIDE mg/l | HARDNESS mg/l | NITRATE mg/l | SULFATE mg/l | TOTAL DISSOLVED SOLIDS mg/l | TOTAL SOLIDS mg/l | TOTAL SUSPENDED SOLIDS mg/l | TOTAL ORGANIC CARBON mg/l |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Federal Drinking Water Standards | | None | None | 250 mg/L | None | 10 mg/L | 250 mg/L | 500 mg/L | None | None | None |
| Groundwater Quality Criteria | | None | None | 250 mg/L | None | 10 mg/L | 250 mg/L | 500 mg/L | None | None | None |
| MW-5D (cont.) | 7/22/2003 | 310 M | 0.05 | 4 | | < 0.05 UM | 7 | 310 M | 200 | 44 M | 2.4 |
| | 10/17/2003 | 320 M | 0.31 | 6 | | < 0.05 UM | 7 | 350 | 380 M | 27 | 2.8 |
| | 2/12/2004 | 340 M | 0.11 | 3 | | < 0.05 UM | 6 | 340 | 430 M | 90 | 2 |
| | 5/4/2004 | 300 M | 0.23 | 5 | | < 0.05 UM | 7 | 310 | 510 M | 200 | 3.1 |
| | 6/1/2004 | 280 M | 0.05 | 5 | | < 0.05 UM | 8 | 350 | 360 M | 12 | 2.6 |
| | 8/3/2004 | 280 M | 0.14 | 4 | | < 0.05 UM | 8 | 330 | 380 M | 47 | 2.4 |
| | 11/2/2004 | 310 M | < 0.05 UM | 4 | | < 0.05 UM | 7 | 350 | 400 M | 48 | 2.2 |
| | 1/31/2005 | 290 M | 0.05 M | 4 | | < 0.05 UM | 6 | 340 | 350 M | 12 | 2.1 |
| | 5/6/2005 | 310 M | 0.14 M | 4 | | 0.07 MJ | 6 | 310 O | 360 M | 48 | 2.5 |
| | 7/29/2005 | 310 M | 0.05 M | 4 | | < 0.05 UM | 6 | 340 | 380 M | 35 | 2.5 |
| | 11/2/2005 | 340 DB | < 0.03 U | 3.6 | | < 0.05 U | 6.3 | 350 | 400 | 53 | 2.6 |
| | 2/1/2006 | 310 DB | 0.047 | 4.1 | | < 0.05 U | 6.4 | 330 | 360 | 27 | 2.6 |
| | 5/5/2006 | 290 DB | < 0.03 U | 3.6 | | < 0.05 U | 6.7 | 350 | 360 | 7 | 2.4 |
| | 8/7/2006 | 270 DB | 0.049 | 3.6 | | 0.15 | 7.5 | 360 | 380 | 29 | 2 |
| | 11/3/2006 | 270 DB | 0.067 | 2.9 | | 0.066 | 6.8 | 330 | 360 | 32 | 2.1 |
| | 2/6/2007 | 280 DB | 0.068 | 3.4 | | < 0.05 U | 6.5 | 330 | 330 | 4 | < 1 U |
| | 2/6/2007 | 270 DB | 0.06 | 3.6 | | < 0.05 U | 6.9 | 330 | 340 | 5 | 1.8 |
| | 5/1/2007 | 260 DB | 0.038 | 3 | | < 0.05 U | 7.2 | 330 | 330 | 4 | 2 |
| | 8/10/2007 | 260 DB | < 0.03 U | 2.6 | | < 0.05 U | 6.7 | 300 | 330 | 31 | 2 |
| | 11/1/2007 | 240 DB | 0.057 | 2.9 | | < 0.05 U | 6.8 | 270 | 300 | 30 | 2.5 |
| | 2/5/2008 | 290 | 0.059 | 2.9 | | < 0.05 U | 7.1 | 250 | 280 | 30 | 2.1 |
| | 5/12/2008 | 230 B | 0.075 | 3.1 | | 0.094 | 8 | 270 | 290 | 13 | 2 |
| | 8/7/2008 | 240 B | 0.059 | 3.6 | | < 0.05 U | 8.4 | 260 | 330 | 68 | 2.2 |
| | 11/18/2008 | 270 DB | 0.052 | 3.1 | | 0.063 | 7.7 | 250 | 300 | 48 | 2.5 |
| | 3/20/2009 | 270 D | 0.18 | 3.8 | | < 0.05 U | 8.5 | 270 | 300 | 25 | 1.5 |
| | 5/12/2009 | 230 | 0.0442 | 4.35 | | < 0.01 U | 9.63 | 279 | 317 | 7.4 | 4.53 |
| | 8/11/2009 | 270 | 0.0445 | 5.66 | | < 0.01 U | 10.8 | 324 | 354 | 25.3 | 4.68 |
| | 11/3/2009 | 314 | 0.0451 | 7.03 | | 0.013 T | 13.8 | 351 | 381 | 16 | 4.42 |
| | 2/11/2010 | 267 | 0.025 | 5.68 | | < 0.01 U | 11.9 | 316 | 330 | 8 | 3.9 |
| | 4/30/2010 | 231 | 0.0534 | 4.43 | | < 0.01 U | 10.7 | 282 | 322 | 3.6 | 2.51 |
| | 8/6/2010 | 199 | 0.0467 | 3.04 | | 0.018 T | 9.53 | 236 | 270 | 29.6 | 3.56 |
| | 11/2/2010 | 209 | 0.0488 | 3.79 | | < 0.01 U | 9.65 | 229 | 255 | 10.4 | 3.27 |
| MW-9 | 2/14/2000 | 66 M | < 0.01 U | 4 | | 0.09 J | 12 | 110 | 110 | 1. U | < 1.0 U |
| | 5/3/2000 | 61 M | < 0.01 U | 3.2 | | 0.09 J | 11 | 96 | 100 | < 1 U | < 1.0 U |
| | 5/3/2000 | 60 M | 0.01 | 3.5 | | 0.10 J | 11 | 90 | 99 | < 1 U | < 1.0 U |
| | 8/15/2000 | 64 M | < 0.01 U | 3.6 | | 0.11 J | 11 | 92 | 110 | 2 | < 1.0 U |
| | 11/13/2000 | 64 M | < 0.01 U | 3.7 | | 0.12 BJ | 12 | 120 | 130 | < 1 U | < 1.0 U |
| | 1/30/2001 | 62 M | < 0.01 U | 3 | | 0.13 J | 11 | 110 | 120 | < 1 U | < 1.0 U |
| | 5/4/2001 | 58 M | < 0.01 U | 4 | | 0.15 J | 11 | 97 | 120 | < 1 U | < 1.0 U |
| | 7/24/2001 | 56 M | < 0.01 U | 3 | | 0.17 J | 10 | 100 B | 110 B | 2 | < 1.0 U |
| | 11/1/2001 | 58 M | 0.04 | 3 | | 0.23 | 9 | 110 | 110 B | 2 | < 1.0 U |
| | 2/12/2002 | 57 M | < 0.01 U | 3 | | 0.05 J | 11 | 110 B | 160 | 38 | < 1.0 U |
| | 6/24/2002 | 70 M | < 0.01 U | 4 | | 0.14 J | 13 | 110 | 110 | 1 J | < 1.0 U |
| | 8/6/2002 | 72 M | < 0.01 U | 4 | | 0.17 J | 14 | 120 B | 130 B | 1 J | < 1.0 U |
| | 11/7/2002 | 68 M | 0.05 | 4 | | 0.15 J | 12 | 110 | 120 | 1 J | < 1.0 U |
| | 2/3/2003 | 61 M | < 0.01 U | 4 | | 0.11 J | 12 | 88 | 120 | 2 | < 1.0 U |
| | 4/29/2003 | 62 M | < 0.01 U | 4 | | 0.12 J | 13 | 110 | 120 | 2 | < 1.0 U |
| | 7/22/2003 | 62 M | < 0.01 U | 4 | | 0.13 MJ | 13 | 110 | 120 | 1 J | < 1.0 U |
| | 10/24/2003 | 65 M | 0.03 | 4 | | 0.14 MJ | 13 | 99 | 100 M | 1 J | < 1.0 U |
| | 2/6/2004 | 69 M | < 0.01 U | 4 | | 0.12 MJ | 12 | 96 | 98 M | 2 | < 1.0 U |
| | 5/3/2004 | 63 M | < 0.01 U | 4 | | 0.09 MJ | 14 | 90 | 90 M | < 1 U | < 1.0 U |
| | 5/3/2004 | 64 M | < 0.01 U | 4 | | 0.09 MJ | 13 | 91 | 91 M | < 1 U | < 1.0 U |
| | 8/10/2004 | 72 M | 0.02 | 4 | | 0.20 M | 14 | 140 | 140 M | < 1 U | < 1.0 U |
| | 10/27/2004 | 65 M | < 0.05 UM | 4 | | 0.15 MJ | 13 | 91 | 91 M | < 1 U | < 1.0 U |
| | 2/2/2005 | 62 M | < 0.05 UM | 4 | | 0.14 MJ | 13 | 95 | 97 M | 2 | < 1.0 U |
| | 5/3/2005 | 61 M | 0.06 M | 4 | | 0.16 MJ | 13 | 130 | 130 M | 1 J | < 1.0 U |
| | 8/3/2005 | 61 M | < 0.05 UM | 4 | | 0.25 MJ | 13 | 110 | 110 M | 2 | < 1.0 U |
| | 11/15/2005 | 60 DB | < 0.03 U | 4.1 | | 0.037 | 13 | 100 | 100 | < 2 U | < 1 U |
| | 2/1/2006 | 60 DB | < 0.03 U | 3.8 | | 0.098 | 12 | 85 | 87 | 2 | < 1 U |
| | 5/2/2006 | 63 DB | < 0.03 U | 4.2 | | 0.21 | 14 | 120 | 120 | < 2 U | < 1 U |
| | 8/3/2006 | 70 DB | < 0.03 U | 4.6 | | 0.24 | 15 | 97 | 97 | < 2 U | < 1 U |
| | 11/2/2006 | 69 DB | < 0.03 U | 3.9 | | 0.23 | 14 | 160 | 160 | < 2 U | < 1 U |

| | | TOTAL ALKALINITY (AS CACO3) mg/l | AMMONIA AS N mg/l | CHLORIDE mg/l | HARDNESS mg/l | NITRATE mg/l | SULFATE mg/l | TOTAL DISSOLVED SOLIDS mg/l | TOTAL SOLIDS mg/l | TOTAL SUSPENDED SOLIDS mg/l | TOTAL ORGANIC CARBON mg/l |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Federal Drinking Water Standards | | None | None | 250 mg/L | None | 10 mg/L | 250 mg/L | 500 mg/L | None | None | None |
| Groundwater Quality Criteria | | None | None | 250 mg/L | None | 10 mg/L | 250 mg/L | 500 mg/L | None | None | None |
| MW-9 (cont.) | 2/27/2007 | 62 DB | < 0.03 U | 5.2 | | 1.1 | 13 | 67 | 69 | 2 | < 1 U |
| | 4/30/2007 | 70 DB | < 0.03 U | 4.4 | | 0.53 | 13 | 82 | 82 | < 2 U | < 1 U |
| | 8/10/2007 | 72 DB | < 0.03 U | 4.4 | | 0.37 | 14 | 150 | 150 | < 2 U | < 1 U |
| | 11/5/2007 | 70 DB | < 0.03 U | 4 | | 0.25 | 14 | 94 | 95 | < 2 U | < 1 U |
| | 2/7/2008 | 70 DB | < 0.03 U | 3.7 | | 0.088 | 13 | 82 | 82 | < 2 U | < 1 U |
| | 5/8/2008 | 68 B | < 0.03 U | 4.3 | | 0.14 | 15 | 58 | 59 | < 2 U | < 1 U |
| | 8/5/2008 | 78 B | < 0.03 U | 4.4 | | 0.11 | 15 | 110 | 120 | < 2 U | < 1 U |
| | 11/17/2008 | 74 B | < 0.03 U | 3.5 | | 0.15 | 13 | 91 O | 190 | 2 | < 1 U |
| | 11/17/2008 | 74 B | < 0.03 U | 3.6 | | 0.15 | 13 | 95 O | 200 | 5 | < 1 U |
| | 2/4/2009 | 100 | < 0.03 U | 5.9 | | < 0.05 U | 18 | 150 | 150 | < 2 U | 1.1 |
| | 5/1/2009 | 66 | < 0.01 U | 3.91 | | 0.139 | 12.2 | 104 | 109 | < 1 U | < 1 U |
| | 7/31/2009 | 63.3 | < 0.01 U | 4.16 | | 0.138 | 13.3 | 113 | 118 | < 1 U | < 1 U |
| | 11/5/2009 | 65.2 | < 0.01 U | 4.11 | | 0.157 | 12.4 | 112 | 108 | < 1 U | < 1 U |
| | 2/4/2010 | 66.6 | < 0.01 U | 4.3 | | 0.134 | 13 | 115 | 111 | < 1 U | < 1 U |
| | 5/3/2010 | 65.3 | < 0.01 U | 4.41 | | 0.186 | 13.6 | 119 | 120 | 1 T | < 1 U |
| | 8/9/2010 | 69.7 | < 0.01 U | 4.4 | | 0.199 | 14.3 | 120 | 128 | < 1 U | < 1 U |
| | 11/8/2010 | 66 | < 0.01 U | 4.53 | | 0.176 | 14.4 | 125 | 126 | < 1 U | < 1 U |
| MW-21 | 2/16/2000 | 180 M | 0.03 | 6 | | < 0.05 UM | 19 | 250 | 260 | 12 | 2 |
| | 5/5/2000 | 170 M | 0.02 | 6.4 | | < 0.2 UM | 18 | 230 | 240 | 5 | 2 |
| | 8/18/2000 | 160 M | 0.02 | 5.4 | | < 0.5 UM | 16 | 230 | 280 | 8 B | 2.2 |
| | 11/13/2000 | 170 M | 0.02 | 6.3 | | < 0.05 UM | 16 | 240 | 260 | 3 | 2.4 |
| | 1/31/2001 | 160 M | 0.02 | 6 | | 0.01 J | 16 | 200 | 230 | 5 | 2.6 |
| | 5/14/2001 | 180 M | 0.02 | 5 | | 0.02 J | 13 | 200 | 210 | 2 | 2.1 |
| | 7/24/2001 | 160 M | 0.01 | 5 | | < 0.01 U | 12 | 210 B | 230 B | 5 | 1.4 |
| | 11/2/2001 | 170 M | 0.07 | 4 | | 0.01 J | 12 | 240 | 220 B | 4 M | 1.4 |
| | 2/13/2002 | 210 M | 0.01 | 5 | | < 0.01 U | 12 | 260 B | 260 | < 1 U | 1.2 |
| | 4/25/2002 | 200 M | 0.11 | 4 | | < 0.01 U | 10 | 210 | 240 | 5 B | 3.2 |
| | 8/14/2002 | 200 M | < 0.01 U | 4 | | < 0.01 U | 12 | 230 | 240 B | 4 | 1.5 |
| | 8/14/2002 | 200 M | 0.06 | 4 | | < 0.01 U | 12 | 220 | 250 B | 1 J | 2.7 |
| | 10/31/2002 | 200 M | < 0.01 U | 4 | | < 0.01 U | 11 | 200 | 240 | 3 | 1.8 |
| | 1/27/2003 | 220 M | < 0.01 U | 4 | | < 0.01 U | 11 | 240 | 260 | 2 | 1.5 |
| | 5/2/2003 | 200 M | 0.13 | 4 | | < 0.05 UM | 12 | 230 | 250 | 6 | 1.3 |
| | 7/22/2003 | 200 M | < 0.01 U | 4 | | < 0.05 UM | 12 | 230 | 250 | 4 | 1.4 |
| | 10/20/2003 | 210 M | < 0.01 U | 4 | | < 0.05 UM | 11 | 260 | 260 M | 4 | 1.1 |
| | 2/5/2004 | 270 M | 0.03 | 4 | | < 0.05 UM | 10 | 250 | 250 M | 2 | < 1.0 U |
| | 4/30/2004 | 210 M | < 0.01 U | 4 | | < 0.05 UM | 12 | 240 | 240 M | 4 | 1.2 |
| | 8/3/2004 | 210 M | 0.03 | 4 | | < 0.05 UM | 11 | 240 | 240 M | 4 | 1.4 |
| | 10/29/2004 | 230 M | < 0.05 UM | 4 | | < 0.05 UM | 10 | 240 | 250 M | 10 | < 1 U |
| | 1/31/2005 | 260 M | < 0.05 UM | 4 | | < 0.05 UM | 10 | 270 | 270 M | 2 | < 1.0 U |
| | 5/4/2005 | 250 M | < 0.05 UM | 4 | | < 0.05 UM | 10 | 220 | 220 M | 5 | < 1.0 U |
| | 7/27/2005 | 250 M | < 0.05 UM | 4 | | < 0.05 UM | 10 | 240 | 240 M | 5 | < 1.0 U |
| | 11/2/2005 | 270 DB | < 0.03 U | 3.8 | | < 0.05 U | 10 | 280 | 280 | 3 | 1.1 |
| | 2/1/2006 | 270 DB | < 0.03 U | 3.7 | | < 0.05 U | 10 | 260 | 270 | 7 | < 1 U |
| | 2/1/2006 | 270 DB | < 0.03 U | 3.6 | | < 0.05 U | 10 | 260 | 260 | 2 | < 1 U |
| | 5/8/2006 | 240 DB | < 0.03 U | 3.8 | | < 0.05 U | 11 | 260 | 260 | 8 | 1 |
| | 8/2/2006 | 240 DB | < 0.03 U | 8.5 | | < 0.05 U | 11 | 270 | 270 | 3 | < 1 U |
| | 11/14/2006 | 250 DB | < 0.03 U | 3.2 | | 0.064 | 12 | 290 | 290 | < 2 U | < 1 U |
| | 2/6/2007 | 220 DB | < 0.03 U | 3.2 | | < 0.05 U | 12 | 240 | 240 | < 2 U | 1.1 |
| | 5/1/2007 | 220 DB | < 0.03 U | 2.8 | | < 0.05 U | 12 | 260 | 260 | 2 | 1.2 |
| | 8/7/2007 | 210 DB | < 0.03 U | 2.8 | | 0.092 | 11 | 250 | 250 | < 2 U | 1 |
| | 8/7/2007 | 220 DB | < 0.03 U | 2.7 | | 0.068 | 12 | 250 | 250 | < 2 U | < 1 U |
| | 11/1/2007 | 210 DB | < 0.03 U | 2.8 | | < 0.05 U | 11 | 220 | 230 | 5 | 1.9 |
| | 2/5/2008 | 230 | < 0.03 U | 3.3 | | < 0.05 U | 12 | 220 | 230 | 6 | 1.4 |
| | 5/15/2008 | 200 B | < 0.03 U | 3.7 | | < 0.05 U | 13 | 240 | 240 | 4 | 1.2 |
| | 8/5/2008 | 230 B | < 0.03 U | 4.2 | | < 0.05 U | 14 | 240 | 240 | < 2 U | 1.2 |
| | 11/3/2008 | 290 B | < 0.03 U | 5 | | 0.088 | 12 | 260 | 260 | 2 | 1.1 |
| | 2/9/2009 | 290 D | < 0.03 U | 4.4 | | 0.17 | 13 | 290 | 290 | < 2 U | < 1 U |
| | 5/8/2009 | 268 | < 0.01 U | 4.52 | | 0.152 | 12.7 | 307 | 324 | 4.4 | 2.51 |
| | 8/11/2009 | 262 | < 0.01 U | 4.6 | | 0.137 | 13.9 | 307 | 320 | 2.6 | 2.55 |
| | 11/3/2009 | 274 | < 0.01 U | 4.74 | | 0.137 | 14.4 | 297 | 323 | 17.6 | 2.41 |
| | 2/3/2010 | 276 | < 0.01 U | 4.54 | | 0.193 | 15.1 | 284 | 287 | 6.3 | 2.78 |
| | 5/5/2010 | 260 | < 0.01 U | 4.95 | | 0.174 | 15.3 | 278 | 295 | 5.1 | 1.02 |
| | 8/6/2010 | 247 | < 0.01 U | 3.89 | | 0.264 | 14.2 | 277 | 300 | 2 | 2.41 |
| | 11/2/2010 | 208 | 0.011 T | 4.07 | | 0.12 | 16.3 | 237 | 252 | 13.6 | 2.45 |

| | | TOTAL ALKALINITY (AS CACO3) mg/l | AMMONIA AS N mg/l | CHLORIDE mg/l | HARDNESS mg/l | NITRATE mg/l | SULFATE mg/l | TOTAL DISSOLVED SOLIDS mg/l | TOTAL SOLIDS mg/l | TOTAL SUSPENDED SOLIDS mg/l | TOTAL ORGANIC CARBON mg/l |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Federal Drinking Water Standards | | None | None | 250 mg/L | None | 10 mg/L | 250 mg/L | 500 mg/L | None | None | None |
| Groundwater Quality Criteria | | None | None | 250 mg/L | None | 10 mg/L | 250 mg/L | 500 mg/L | None | None | None |
| MW-12 | 2/18/2000 | 63 M | < 0.01 U | 3 | | 0.64 | 11 | 110 | 110 | 1. U | < 1.0 U |
| | 5/8/2000 | 58 M | < 0.01 U | 2.6 | | 0.64 | 10 | 88 | 97 | < 1 U | < 1.0 U |
| | 8/25/2000 | 60 M | < 0.01 U | 2.9 | | 0.68 | 10 | 90 | 100 B | 4 | < 1.0 U |
| | 8/25/2000 | 54 M | 0.01 | 2.8 | | 0.67 | 10 | 91 | 100 B | 4 | < 1.0 U |
| | 11/16/2000 | 60 M | < 0.01 U | 3.1 | | 0.67 | 10 | 100 | 120 | < 1 U | < 1.0 U |
| | 11/16/2000 | 56 M | < 0.01 U | 3 | | 0.66 | 10 | 94 | 110 | < 1 U | < 1.0 U |
| | 2/5/2001 | 60 M | < 0.01 U | 5 | | 0.75 B | 11 | 99 | 110 | < 1 U | < 1 U |
| | 5/15/2001 | 57 M | < 0.01 U | 3 | | 0.7 | 10 | 100 | 110 | 1 J | < 1.0 U |
| | 7/31/2001 | 58 M | < 0.01 U | 3 | | 0.66 | 10 | 100 | 110 | 1 J | < 1.0 U |
| | 10/31/2001 | 58 M | < 0.01 U | 3 | | 0.7 | 10 | 120 | 100 B | 1 J | < 1.0 U |
| | 2/8/2002 | 56 M | < 0.01 U | 3 | | 0.76 | 10 | 140 | 150 | 1 J | 2.4 |
| | 4/26/2002 | 59 M | 0.06 | 3 | | 0.74 | 10 | 80 | 94 | < 1 U | < 1.0 U |
| | 8/23/2002 | 52 M | < 0.01 U | 3 | | 0.78 | 10 | 94 | 96 | < 1 U | < 1.0 U |
| | 11/5/2002 | 58 M | < 0.01 U | 3 | | 0.75 | 10 | 82 | 100 | < 1 U | < 1.0 U |
| | 1/31/2003 | 56 M | < 0.01 U | 3 | | 0.77 | 10 | 84 | 100 | < 1 U | < 1.0 U |
| | 1/31/2003 | 58 M | < 0.01 U | 3 | | 0.77 | 10 | 89 | 100 | < 1 U | < 1.0 U |
| | 4/30/2003 | 56 M | < 0.01 U | 3 | | 0.82 | 11 | 90 | 110 | < 1 U | < 1.0 U |
| | 7/23/2003 | 56 M | < 0.01 U | 3 | | 0.85 MJ | 10 | 93 | 110 | 1 J | < 1.0 U |
| | 10/23/2003 | 54 M | 0.02 | 3 | | 0.73 MJ | 10 | 99 | 99 M | < 1 U | < 1.0 U |
| | 2/6/2004 | 59 M | < 0.01 U | 3 | | 0.81 MJ | 9 | 88 | 88 M | < 1 U | < 1.0 U |
| | 5/6/2004 | 52 M | < 0.01 U | 3 | | 0.9 MJ | 10 | 74 | 74 M | < 1 U | < 1.0 U |
| | 8/19/2004 | 53 M | 0.01 | 3 | | 0.79 MJ | 10 | 110 | 3. UM | 1. U | < 1.0 U |
| | 10/28/2004 | 44 M | < 0.05 UM | 3 | | 0.77 MJ | 10 | 110 | 110 M | < 1 U | < 1.0 U |
| | 2/3/2005 | 55 M | < 0.05 UM | 3 | | 1.0 M | 10 | 90 | 90 M | < 1 U | < 1.0 U |
| | 5/5/2005 | 54 M | < 0.05 UM | 3 | | 0.82 MJ | 10 | 63 | 65 M | 2 | < 1.0 U |
| | 7/28/2005 | 54 M | < 0.05 UM | 3 | | 1.9 M | 10 | 100 | 100 M | 1 J | < 1.0 U |
| | 7/28/2005 | 54 M | < 0.05 UM | 3 | | 1.9 M | 10 | 120 | 120 M | 2 | < 1.0 U |
| | 11/3/2005 | 55 DB | | 3 | | 0.7 | 9.7 | 150 | 150 | < 2 U | < 1 U |
| | 2/28/2006 | 54 DB | < 0.03 U | 3 | | 0.78 | 9.6 | 69 | 73 | 4 | < 1 U |
| | 5/9/2006 | 53 DB | < 0.03 U | 3.1 | | 0.78 | 9.8 | 100 | 100 | < 2 U | < 1 U |
| | 8/4/2006 | 55 DB | < 0.03 U | 2.9 | | 0.73 | 10 | 78 | 79 | < 2 U | < 1 U |
| | 11/9/2006 | 56 DB | < 0.03 U | 3 | | 0.55 | 10 | 62 | 62 | < 2 U | < 1 U |
| | 1/30/2007 | 56 DB | < 0.03 U | 3 | | 0.8 | 9.9 | 84 | 84 | < 2 U | < 1 U |
| | 1/30/2007 | 56 DB | < 0.03 U | 2.8 | | 0.8 | 11 | 91 | 93 | 2 | < 1 U |
| | 4/27/2007 | 56 DB | < 0.03 U | 2.9 | | 0.8 | 10 | 90 | 90 | < 2 U | < 1 U |
| | 8/2/2007 | 56 DB | < 0.03 U | 2.8 | | 0.75 | 9.8 | 110 D | 110 | < 2 U | < 1 U |
| | 11/2/2007 | 54 DB | < 0.03 U | 2.7 | | 0.75 | 9.4 | 99 | 99 | < 2 U | < 1 U |
| | 2/11/2008 | 60 DB | < 0.03 U | 2.7 | | 0.76 | 9.3 | 83 | 84 | < 2 U | < 1 U |
| | 5/12/2008 | 30 B | < 0.03 U | 3.1 | | 0.79 | 11 | 89 | 89 | < 2 U | < 1 U |
| | 8/7/2008 | 60 B | < 0.03 U | 3.3 | | 0.71 | 11 | 99 | 99 | < 2 U | < 1 U |
| | 11/13/2008 | 66 B | < 0.03 U | 2.7 | | 0.78 | 9.9 | 110 | 110 | < 2 U | < 1 U |
| | 2/4/2009 | 58 | < 0.03 U | 2.7 | | 0.76 | 9.8 | 110 | 110 | < 2 U | 1 |
| | 2/4/2009 | 60 | < 0.03 U | 2.8 | | 0.72 | 9.9 | 100 | 100 | < 2 U | 1 |
| | 5/13/2009 | 57.2 | < 0.01 U | 3.04 | | 0.748 | 9.81 | 108 B | 109 B | < 1 U | 1.15 |
| | 8/4/2009 | 52.5 | < 0.01 U | 3.07 | | 0.768 | 10.4 | 105 | 112 | < 1 U | < 1 U |
| | 11/2/2009 | 63.4 | < 0.01 U | 3.14 | | 0.618 | 10.3 | 115 | 114 | 7 | 1.36 |
| | 2/5/2010 | 58.9 | < 0.01 U | 3.08 | | 0.719 | 10.2 | 102 | 109 | < 1 U | < 1 U |
| | 5/6/2010 | 57.6 | < 0.01 U | 3.17 | | 0.75 | 10.4 | 103 | 108 | < 1 U | < 1 U |
| | 9/28/2010 | 57.4 | < 0.01 U | 2.82 | | 0.736 | 10.4 | 90 | 114 | 3.6 | < 1 U |
| | 11/9/2010 | 55.7 | < 0.01 U | 3.1 | | 0.747 | 10 | 95 | 98 | < 1 U | < 1 U |
| MW-19 | 2/15/2000 | 79 M | 0.04 | 5 | | < 0.01 U | 22 | 120 | 130 | 1. U | < 1.0 U |
| | 5/11/2000 | 71 M | 0.05 | 4.5 | | 0.01 J | 20 | 120 | 120 | < 1 U | < 1.0 U |
| | 8/16/2000 | 70 M | 0.04 | 4.6 | | < 0.01 U | 18 | 100 | 120 | < 1 U | < 1.0 U |
| | 11/14/2000 | 69 M | 0.03 | 5.3 | | 0.03 BJ | 22 M | 110 | 120 | < 1 U | < 1.0 U |
| | 2/26/2001 | 73 M | < 0.01 U | 4 | | 0.02 J | 19 | 130 | 140 | < 1 U | < 1.0 U |
| | 5/9/2001 | 73 M | 0.03 | 5 | | 0.01 J | 21 M | 110 | 130 | 1 J | < 1.0 U |
| | 7/26/2001 | 70 M | 0.03 | 5 | | < 0.01 U | 20 | 120 B | 140 B | < 1 U | < 1.0 U |
| | 11/6/2001 | 72 M | < 0.01 U | 5 | | 0.07 J | 20 | 140 | 140 B | < 1 U | < 1.0 U |
| | 2/11/2002 | 69 M | 0.01 | 5 O | | < 0.01 U | 20 MO | 140 B | 140 | 2 | 2.2 |
| | 4/24/2002 | 76 M | 0.12 | 5 | | < 0.01 U | 21 MO | 120 | 130 | < 1 UB | < 1.0 U |
| | 8/12/2002 | 76 M | 0.02 | 5 | | 0.06 J | 20 | 120 B | 140 | 1 J | < 1.0 U |
| | 10/30/2002 | 80 M | 0.03 | 4 | | 0.01 J | 18 | 130 B | 150 B | 1. U | < 1.0 U |
| | 1/30/2003 | 80 M | 0.04 | 5 | | < 0.01 U | 20 | 110 | 140 | < 1 U | < 1.0 U |
| | 4/23/2003 | 80 M | 0.03 | 5 | | < 0.01 U | 19 M | 130 | 140 | < 1 U | < 1.0 U |
| | 7/21/2003 | 80 M | 0.02 | 5 | | < 0.05 UM | 20 | 130 | 140 | 1 J | < 1.0 U |
| | 10/17/2003 | 78 M | 0.03 | 5 | | < 0.05 UM | 19 | 140 | 130 | < 1 U | < 1 U |
| | 2/10/2004 | 84 M | 0.2 | 5 | | < 0.05 UM | 19 | 120 | 120 M | < 1 U | < 1.0 U |
| | 5/5/2004 | 78 M | 0.03 | 5 | | 0.81 MJ | 19 | 100 | 100 M | < 1 U | < 1.0 U |
| | 8/17/2004 | 81 M | 0.06 | 5 | | < 0.05 UM | 19 | 130 | 130 M | < 1 U | < 1.0 U |
| | 10/27/2004 | 82 M | < 0.05 UM | 4 | | < 0.05 UM | 18 | 120 | 120 M | 2 | < 1.0 U |
| | 2/1/2005 | 85 M | < 0.05 UM | 5 | | < 0.05 UM | 19 | 130 | 130 M | < 1 U | < 1.0 U |
| | 5/4/2005 | 81 M | 0.08 M | 5 | | < 0.05 UM | 19 | 80 | 82 M | 2 | < 1.0 U |
| | 8/1/2005 | 82 M | < 0.05 UM | 5 | | < 0.05 UM | 19 | 120 | 110 M | 1 J | < 1.0 U |
| | 11/8/2005 | 82 DB | < 0.03 U | 5 | | < 0.05 U | 18 | 120 | 120 | 3 | < 1 U |

| | | TOTAL ALKALINITY (AS CACO3) mg/l | AMMONIA AS N mg/l | CHLORIDE mg/l | HARDNESS mg/l | NITRATE mg/l | SULFATE mg/l | TOTAL DISSOLVED SOLIDS mg/l | TOTAL SOLIDS mg/l | TOTAL SUSPENDED SOLIDS mg/l | TOTAL ORGANIC CARBON mg/l |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Federal Drinking Water Standards | | None | None | 250 mg/L | None | 10 mg/L | 250 mg/L | 500 mg/L | None | None | None |
| Groundwater Quality Criteria | | None | None | 250 mg/L | None | 10 mg/L | 250 mg/L | 500 mg/L | None | None | None |
| MW-19 (cont.) | 2/2/2006 | 82 DB | < 0.03 U | 5.1 | | < 0.05 U | 19 | 100 | 100 | < 2 U | < 1 U |
| | 5/3/2006 | 82 DB | < 0.03 U | 5.1 | | < 0.05 U | 18 | 81 | 82 | < 2 U | < 1 U |
| | 8/8/2006 | 85 DB | < 0.03 U | 5.1 | | < 0.05 U | 20 D | 130 | 130 | < 2 U | < 1 U |
| | 11/13/2006 | 92 DB | < 0.03 U | 6.2 | | < 0.05 U | 19 | 160 | 160 | 3 | < 1 U |
| | 1/30/2007 | 82 DB | < 0.03 U | 5.4 | | < 0.05 U | 20 | 130 | 130 | < 2 U | < 1 U |
| | 4/27/2007 | 86 DB | 0.035 | 5.1 | | < 0.05 U | 18 | 120 | 120 | < 2 U | < 1 U |
| | 8/10/2007 | 89 DB | < 0.03 U | 5.4 | | < 0.05 U | 18 | 150 | 150 | < 2 U | < 1 U |
| | 11/16/2007 | 86 DB | < 0.03 U | 4.9 | | < 0.05 U | 18 | 110 | 110 | < 2 U | < 1 U |
| | 2/7/2008 | 96 DB | < 0.03 U | 5.3 | | < 0.05 U | 18 | 130 | 130 | < 2 U | < 1 U |
| | 5/7/2008 | 90 B | 0.046 | 6.2 | | < 0.05 U | 18 D | 140 | 140 | 4 | < 1 U |
| | 8/6/2008 | 96 B | 0.053 | 6.5 | | < 0.05 U | 18 D | 140 | 140 | 3 | < 1 U |
| | 8/6/2008 | 96 B | 0.047 | 6.6 | | < 0.05 U | 18 D | 150 | 150 | 2 | < 1 U |
| | 11/6/2008 | 110 B | 0.04 | 6.3 | | < 0.05 U | 19 | 170 | 170 | < 2 U | < 1 U |
| | 2/4/2009 | 64 | < 0.03 U | 3.7 | | 0.12 | 12 | 110 | 110 | 2 | 1.1 |
| | 5/4/2009 | 90 | 0.036 | 6.07 | | < 0.01 U | 17.1 | 95 | 99 | < 1 U | < 1 U |
| | 7/31/2009 | 99.3 | 0.0431 | 6.21 | | 0.016 T | 18.4 | 158 | 162 | < 1 U | < 1 U |
| | 11/5/2009 | 105 | 0.0537 | 6.7 | | < 0.01 U | 17.6 | 152 | 154 | < 1 U | < 1 U |
| | 2/4/2010 | 109 | 0.0369 B | 6.22 | | < 0.01 U | 18.4 | 154 | 153 | < 1 U | 1.18 |
| | 5/3/2010 | 104 | 0.0465 | 6.18 | | < 0.01 U | 18.1 | 159 | 162 | < 1 U | < 1 U |
| | 8/9/2010 | 107 | 0.07 | 5.59 | | 0.019 T | 17.3 | 159 | 190 | < 1 U | < 1 U |
| | 11/8/2010 | 105 | 0.0933 | 6.31 | | 0.039 T | 17.4 | 155 | 162 | < 1 U | 1.13 |
| MW-27 | 10/28/2003 | 68 M | 0.04 | 4 | | 2.4 MJ | 10 | 110 | 110 M | < 1 U | < 1.0 U |
| | 12/2/2003 | 68 M | < 0.01 U | 5 | | 0.22 MJ | 11 | 120 | 120 M | 2 | < 1.0 U |
| | 1/14/2004 | 73 M | < 0.01 U | 5 | | 2.1 M | 11 | 93 | 93 M | < 1 U | < 1.0 U |
| | 2/17/2004 | 72 M | < 0.01 U | 4 | | 2.1 M | 10 | 110 | 110 M | 1 J | < 1.0 U |
| | 3/17/2004 | 70 M | 0.07 | 5 | | 2.3 M | 10 | 120 | 120 M | < 1 U | < 1.0 U |
| | 4/19/2004 | 68 M | < 0.01 U | 4 | | 6.0 M | 9 | 120 | 120 M | < 1 U | < 1.0 U |
| | 5/24/2004 | 68 M | 0.02 | 4 | | 6.5 M | 9 | 120 | 120 M | < 1 U | < 1.0 U |
| | 6/28/2004 | 64 M | < 0.01 U | 4 | | 3.6 MJ | 9 | 120 | 120 M | 1. U | < 1.0 U |
| | 8/11/2004 | 67 M | 0.05 | 4 | | 6.2 MJ | 9 | 110 | 110 M | < 1 U | < 1.0 U |
| | 11/2/2004 | 69 M | 0.46 M | 4 | | 3.1 M | 10 | 130 | 130 M | 1 J | < 1 U |
| | 2/2/2005 | 68 M | 0.12 M | 5 | | 3.6 M | 10 | 120 | 120 M | < 1 U | < 1.0 U |
| | 2/2/2005 | 69 M | 0.09 M | 5 | | 3.8 M | 10 | 110 | 110 M | < 1 U | < 1.0 U |
| | 5/6/2005 | 69 M | < 0.05 UM | 5 | | 2.0 M | 10 | 87 | 89 M | 2 | < 1.0 U |
| | 8/3/2005 | 70 M | < 0.05 UM | 5 | | 4.6 MJ | 10 | 100 | 100 M | 3 | < 1.0 U |
| | 11/4/2005 | 69 DB | < 0.03 U | 5.1 | | 2.1 | 11 | 110 | 110 | 3 | < 1 U |
| | 2/28/2006 | 70 DB | < 0.03 U | 5.1 | | 1.8 | 11 | 57 | 58 | < 2 U | < 1 U |
| | 5/8/2006 | 70 DB | < 0.03 U | 4.9 | | 3.2 | 10 | 72 | 74 | 2 | < 1 U |
| | 8/1/2006 | 65 DB | < 0.03 U | 4.3 | | 3.4 | 8.6 | 130 | 140 | < 2 U | < 1 U |
| | 11/15/2006 | 66 DB | < 0.03 U | 4.4 | | 3.6 | 8.7 | 110 | 110 | < 2 U | < 1 U |
| | 1/31/2007 | 72 DB | < 0.03 U | 5.3 | | 3.2 | 9 | 140 | 140 | < 2 U | < 1 U |
| | 4/26/2007 | 65 DB | < 0.03 U | 4.5 | | 4.9 | 8 | 140 | 150 | 2 | < 1 U |
| | 8/6/2007 | 62 DB | < 0.03 U | 4.3 | | 4.8 | 7.9 | 130 | 130 | < 2 U | < 1 U |
| | 11/5/2007 | 64 DB | < 0.03 U | 4.2 | | 4 | 7.8 | 96 | 98 | 2 | < 1 U |
| | 2/6/2008 | 70 B | < 0.03 U | 4.4 | | < 0.05 U | 8.5 | 100 | 100 | < 2 U | < 1 U |
| | 5/15/2008 | 68 B | < 0.03 U | 5.1 | | 3.5 | 9.1 | 120 | 120 | < 2 U | < 1 U |
| | 8/8/2008 | 70 B | < 0.03 U | 5.2 | | 3.1 | 9.6 | 130 | 130 | < 2 U | < 1 U |
| | 11/4/2008 | 78 B | < 0.03 U | 5.3 | | 2.9 | 8.9 | 89 | 90 | < 2 U | < 1 U |
| | 2/23/2009 | 71 D | < 0.03 U | 5 | | 2.1 | 9.2 | 110 | 120 | 3 | < 1 U |
| | 5/1/2009 | 69.5 | < 0.01 U | 5.04 | | 2.29 | 10.4 | 121 | 127 | < 1 U | < 1 U |
| | 8/11/2009 | 68.5 | < 0.01 U | 5.18 | | 2.23 | 10.2 | 130 | 133 | < 1 U | < 1 U |
| | 11/5/2009 | 71.4 | < 0.01 U | 5.31 | | 2.13 | 10.5 | 128 | 131 | < 1 U | < 1 U |
| | 2/5/2010 | 76.2 | < 0.01 U | 5.62 | | 1.87 | 10.8 | 122 | 122 | < 1 U | 1.1 |
| | 4/29/2010 | 69.9 | < 0.01 U | 5.44 | | 2.58 | 10.5 | 131 | 138 | < 1 U | < 1 U |
| | 8/10/2010 | 65.7 | < 0.01 U | 4.52 | | 3.38 | 8.49 | 132 | 139 | < 1 U | < 1 U |
| | 11/5/2010 | 64.9 | < 0.01 U | 4.87 | | 3.15 | 8.84 | 110 | 110 | 1 | < 1 U |

| | | TOTAL ALKALINITY (AS CACO3) mg/l | AMMONIA AS N mg/l | CHLORIDE mg/l | HARDNESS mg/l | NITRATE mg/l | SULFATE mg/l | TOTAL DISSOLVED SOLIDS mg/l | TOTAL SOLIDS mg/l | TOTAL SUSPENDED SOLIDS mg/l | TOTAL ORGANIC CARBON mg/l |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Federal Drinking Water Standards | | None | None | 250 mg/L | None | 10 mg/L | 250 mg/L | 500 mg/L | None | None | None |
| Groundwater Quality Criteria | | None | None | 250 mg/L | None | 10 mg/L | 250 mg/L | 500 mg/L | None | None | None |
| MW-30 | 1/26/2010 | 124 | 0.0205 | 8.17 | | 6.91 | 15.1 | 229 | 236 | 10.8 | 2.48 |
| | 4/29/2010 | 134 | < 0.01 U | 8.18 | | 4.74 | 17.4 | 215 | 234 | 12.6 | 2.63 |
| | 8/17/2010 | 140 | < 0.01 U | 5.82 | | 4.41 | 14.9 | 208 | 287 | 76.6 | 2.96 |
| | 11/9/2010 | 139 | < 0.01 U | 6.51 | | 4.58 | 14.8 | 202 | 323 | 80.6 | 2.66 |
| MW-31 | 1/28/2010 | 138 | < 0.01 U | 4.74 | | 1.07 | 17.1 | 198 | 236 | 164 | 6.76 |
| | 4/22/2010 | 142 | < 0.01 U | 3.6 | | 1.46 | 9.27 | 190 | 355 | 32.9 | 7.15 |
| | 8/20/2010 | 160 | < 0.01 U | 3.22 | | 0.0668 | 8.52 | 210 | 298 | 43.7 | 6.92 |
| | 11/8/2010 | 119 | < 0.01 U | 4.69 | | 5.54 | 10.3 | 202 | 274 | 54.8 | 7.43 |
| MW-32 | 2/19-25/2010 | 246 | 0.162 | 8.73 | | 1.32 HS | 28.5 | | | | 17 S |
| | 4/29/2010 | | < 0.01 U | | | 0.977 | | 309 | 326 | | |
| | 11/8-16/2010 | 286 | < 0.01 U | 5.64 | | 0.412 | 19.1 | 240 | 322 | | 12.4 |

NOTE: Blank cell notes sample not analyzed for constituent
NC Not calculated

| QUAL | QUALIFIER DESCRIPTION for samples taken prior to 4/1/2009 (as per KC SWD) |
|---|---|
| B | Analyte Found In Associated Method Blank |
| D | Compound Analyzed at a Secondary Dilution Factor. |
| E | Exceed The Calibration or Linear Range. |
| J | Estimated Value Less Than Practical Quantitation Limit And Greater Than The Method Detection Limit. |
| M | Raised Detection Limit. Due to Matrix Interference. |
| O | Analyzed Beyond Specified Holding Time. |
| P | Pesticide/PCBs > 25% Difference Between Columns. |
| R | Rejected Data |
| U | Analyte Not Detected at Given Value. |
| CG | Confluent Growth (Bacterial Analyses Only) |
| ED | Excess Debris on Growth Media (Bacterial Analyses Only). |

Non-numeric result NOTATIONS:

| | |
|---|---|
| Not | Not Analyzed |
| NT | Not Tested |
| TNTC | Too numerous to count |
| NM | Coliforms 'Not Measured' in sample (no CO2 production). |
| P | Coliforms 'Present' in sample (CO2 production) but can't be quantified. |

| QUAL | QUALIFIER DESCRIPTION for samples taken after 4/12/2009 (as per KC SWD) |
|---|---|
| U | Undetected Analyte concentration <MDL – Less than Method detection limit |
| T | Estimated, Less than Reporting Detection Limit but greater than Method detection limit |
| J | Reported value is an estimate |
| B | Contamination present in Blank |
| C | Confluent Growth |
| E | Estimated, outside expected accuracy |
| H | Exceeds holding time |
| R | Data Rejected |
| S | Sample handling errors |
| X | Too numerous to count |
| P | PASS – Qualitative result acceptable |
| F | FAIL – Qualitative result is not acceptable |
| G | Greater than |
| L | Less than |
| D | Dilution |

# APPENDIX C.6

# Report for South Hillslope Investigation (King County, 2007)

# Vashon Island Closed Landfill : Report for South Hillslope Investigation

# Part of the Vashon Island Closed Landfill Hydrogeologic Investigation

November 20, 2007

**DRAFT**

King County

Department of Natural Resources and Parks
Water and Land Resources Division
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Alternate Formats Available

206-296-7380 TTY Relay: 711

# Vashon Island Closed Landfill : Report for South Hillslope Investigation

# Part of the Vashon Island Closed Landfill Hydrogeologic Investigation

## Prepared for:

Landfill and Environmental Monitoring
Engineering Services
Solid Waste Division
Department of Natural Resources and Parks

## Submitted by:

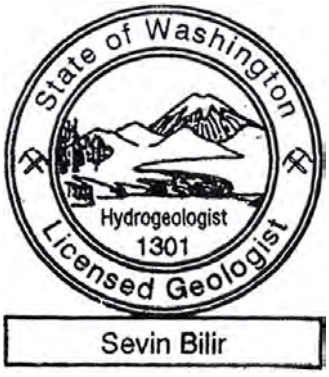
Water Quality and Quantity Groups Unit
Science, Monitoring and Data Management - Scientific and Technical Support Section
Water and Land Resources Division
King County Department of Natural Resources and Parks


Department of Natural Resources and Parks
**Water and Land Resources Division**
201 S Jackson St. Ste 600
Seattle, WA 98104
(206) 296-6519

# Vashon Island Closed Landfill: Report for South Hillslope Investigation

# Part of the Vashon Island Closed Landfill Hydrogeologic Investigation

This document was prepared under the supervision and direction of the undersigned whose seal as licensed hydrogeologist is affixed below:




Sevin Bilir, L. HG. (WA)

King County
Department of Natural Resources and Parks
Water & Land Resources Division

November 20, 2007

Date

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# Figures

# Tables



# Appendices

# EXECUTIVE SUMMARY

King County Solid Waste Division (SWD) manages the Vashon Island Closed Landfill & Transfer Station (VICLF), located at 18910 Westside Hwy SW on the western side of Vashon Island, WA. A hydrogeologic study of the southern portion of the VICLF, along the southernmost hillslope and property boundary, was completed by WLRD personnel to assist SWD in ongoing characterization at the site. The following questions were posed:

- Where do the coarse grained units of Unit C (Cc1, Cc2, and Cc3) outcrop on the hillslope?
- Is there any saturation in the Unit C outcrops, if present?

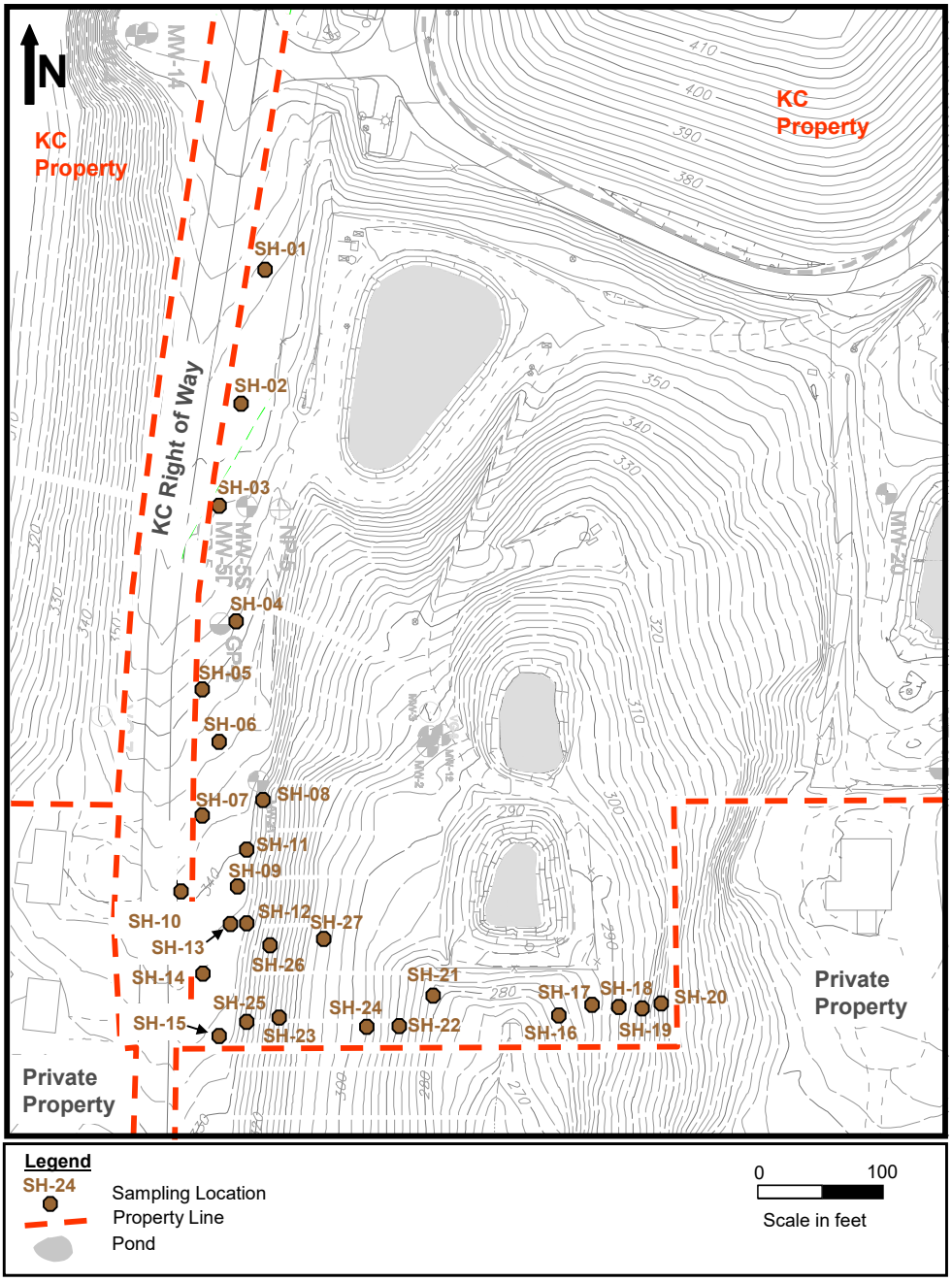
The main scope was to map the geologic units on the southernmost hillslope area, with the plan of correlating outcropping units to underlying units at the VICLF. A preliminary geologic map was prepared, reconnaissance of the study area conducted, sediment samples collected, and geologic mapping was completed. Due to thick vegetation and steepness of terrain, not all areas could be inspected. Based on comparison of collected samples with previously collected drill cutting samples, lithology logs, and sediment samples from the western hillslope area, Units A, B and Cc1 were mapped in the study area. All observations were limited to the VICLF property. Neither seepage, saturation, springs, nor running water was observed exiting from Units A, B, Cc1 or across the property line.

# 1.0. INTRODUCTION

## 1.1 Overview & Objectives

This document is intended to supplement work already completed and ongoing by the King County Solid Waste Division (SWD) at the Vashon Island Closed Landfill & Transfer Station (VICLF) located at 18910 Westside Hwy SW, Vashon Island, WA (Figure 1).

Figure 1 Site Map



This document is submitted to assist SWD in evaluating hydrogeological units in southern portion of the VICLF along the southernmost hillslope. Previous investigations (1999 – 2006) by Berryman & Henigar, Inc. (B&H) and Udaloy Environmental Associates (UES) (B&H/UES) characterized the hydrogeologic units underlying the VICLF area.

The objective of this study was to gather enough field data to answer a few key questions about the hydrogeology in the south hillslope area near the southernmost property line and the adjacent private property. The following questions were posed and are answered in Section 3 Results and in Section 4.0 Discussion:

- Where do the coarse grained units of Unit C (Cc1, Cc2, and Cc3) outcrop on the hillslope?
- Is there any saturation in the Unit C outcrops, if present?

## 1.2 Scope of Work

The study area is located southwest of the VICLF footprint and east of Westside Hwy SW (Figure 1). The main scope was to map the geologic units on the southernmost hillslope area, with the plan of correlating outcropping units to underlying units at the VICLF. The units of interest were the coarse grained layers within Unit C; Cc1, Cc2, and Cc3. The scope was carried out by first defining the study area, which included areas from the landfill to downslope of the South Detention Pond and Outfall areas. Preliminary geologic maps were prepared. This work entailed reviewing geologic borings, using data from various related site reports (Section 5.0 References). Interpretations by B&H/UES are assumed to be correct.

The scope of work included reconnaissance of the hillslope to refine mapping of Unit C outcrops and related seepage areas, if any, collecting sediment samples, and marking locations for survey data collection. Field work was completed by Sevin Bilir (WLRD) and various WLRD field assistant personnel.

## 1.3 Setting

The hillslope area is a modified landscape with steep slopes, has little road access and is covered with trees, holly bushes and salmon berry bushes. The forest floor is thick with undergrowth, roots, and fallen trees/ branches and typically has a thick vegetative cover. The topography on the hillslope ranges from 370 ft, MSL near the road to 270 ft, MSL in the southern creek and property line area.

A few minor man-made structures (gravel roads, surface water ponds, drainage outlets, monitoring wells and fences) are present in this area. Former grading activities changed the natural creek shape to a wider valley floor to make room for a surface water pond in the southernmost area. The three surface water ponds in the area were constructed for use in the site-wide stormwater drainage system.

The climate at the study area during the field work was typical of summer conditions on Vashon Island. Temperatures ranged from about 60ºF to around 85ºF.

# 2.0. FIELD ACTIVTIES

## 2.1 Health and Safety Communication

Due to the potential risks of working alone on the hillslope, a communication plan was developed and implemented. When working alone, the individual would contact a member of the SWD to alert them of the planned field work on that day and to contact them when he/she had left the field site. This was an attempt to prepare for emergency response if there was no contact from the individual at the expected time period.

## 2.2 Sediment Sampling

A preliminary array of sampling locations was designed and refined in the field. Due to the amount of thick vegetation and steep slopes, not all areas could be inspected or sampled. Twenty-seven shallow pits (less than two feet deep) were dug throughout the study area. Figure 1 shows the sampling locations and identification names (SH-01 through SH-27). Sediments were investigated using a shovel. Samples were collected in plastic bags and the locations marked with a labeled wooden stake and high contrast flagging.

Samples were then processed in the office. A portion of the sediment sample was air dried. Sample descriptions were made using the unified soil classification systems (USCS). Complete descriptions of the sediments are presented in Appendix A. Photos were taken of each sample and are presented in Appendix B.

## 2.3 Surveying

Sampling locations were marked with stakes and flagging. Due to scheduling difficulties, locations were not surveyed prior to this report. Locations were estimated in the field using maps, known locations for objects, such as fences, and approximating distances.

# 3.0. RESULTS

## 3.1 Sediment Sampling

Sediment descriptions, completed for each sample site, are listed in Table 1. All sample sites were located on VICLF property. More detailed descriptions, along with site and sediment photos, are presented in Appendix A and B, respectively.

**Table 1. Sample Descriptions**

| ID | Unit | Geotech Class. | Description | Color Wet or Fresh/Dry | Penetration | Size/Shape fraction | | | | Sorting | Permeability |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | C | Silt | S | G | | |
| SH-01 | A | SP | gravelly sand | dk brn/brn | med. dense | | <5 | 60 | 35 | poorly | low - mod. |
| SH-02 | A | SW/SP | sand w/ gravel | orange-ish lt brn/yellowish brn | med. dense | | <5 | 70 | 25 | mod. | low - mod. |
| SH-03 | A | SP | sand w/ gravel | orange-ish brn/yellowish brn | med. dense | | <5 | 70 | 25 | poorly-mod. | mod. |
| SH-04 | A | SC/SP | sand w/ gravel | lt brnish gray/pale brn | dense | <1 | <5 | 74 | 20 | poorly | mod. - high |
| SH-05 | A | SP/SC | sand w/ gravel | pale brn/lt yellowish brn | dense | <1 | <5 | 74 | 20 | poorly-mod. | high |
| SH-06 | A | SM/SP | sand w/ silt & gravel | lt brn/brn | dense | <1 | <10 | 79 | 10 | mod. | mod. - high |
| SH-07 | A | SP/SC | sand w/ gravel | lt brn/yellowish brn | v. dense | <1 | <5 | 79 | 15 | poorly-mod. | mod. - high |
| SH-08 | A | SP | sand w/ gravel | grayish-dk brn/dk grayish brn | med. dense | | <2 | 80 | <18 | poorly-mod. | mod. - high |
| SH-09 | A | SP | sand w/ gravel | lt brn/dk grayish brn | loose | <1 | <5 | 79 | 15 | poorly-mod. | low - mod. |
| SH-10 | A | SP | sand w/ gravel | lt yellowish brn/pale brn | dense | | <2 | 86 | 12 | well | high |
| SH-11 | A | SP | sand | lt yellowish brn/lt yellowish gray | med. dense | | <1 | 92 | 7 | mod. - well | high - v. high |
| SH-12 | A | SP | sand | brn/dk yellowish brn | med. dense | <2 | <5 | 88 | 5 | mod. | low |
| SH-13 | A | SP | sand w/ gravel | dk grayish brn/lt olive brn | dense | | <1 | 89 | 10 | mod. | high |

## Table 1. Sample Descriptions (continued)

| ID | Unit | Geotech Class. | Description | Color Wet or Fresh/Dry | Penetration | Size/Shape fraction | | | | Sorting | Permeability |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | C | Silt | S | G | | |
| SH-14 | A | SM/SC | sand | v. dk grayish brn/lt yellowish brn | med. dense | <2 | <5 | 88 | 5 | mod. - well | high |
| SH-15 | A | SP | sand w/ gravel | dk grayish brn/yellowish brn | med. dense | <3 | <5 | 79 | 13 | mod. | mod. |
| SH-16 | Cc1 | SW/SP | sand | dk yellowish brn/lt yellowish brn | v. loose | | <1 | 97 | 2 | mod. - well | v. high |
| SH-17 | B | SW/SP | sand | dk olive brn/lt yellowish brn | v. loose | <1 | <1 | 96 | 2 | mod. - well | v. high |
| SH-18 | B | SW | sand | dark yellowish brn/yellowish brn | v. loose | | 2 | 95 | 3 | well | v. high |
| SH-19 | B | SW | sand | dk yellowish brn/brnish yellow | v. loose | | <2 | 95 | 3 | well | v. high |
| SH-20 | B | SW | sand | dk yellowish brn/brnish yellow | v. loose | | 2 | 95 | <3 | mod. - well | v. high |
| SH-21 | Cc1 | SW | sand | dk yellowish brn/lt yellowish brn | loose | <1 | 5 | 89 | 5 | mod. | mod. |
| SH-22 | Cc1 | SW | Sand w/ gravel | dk yellowish brn/lt yellowish brn | loose | <1 | 5 | 85 | 9 | mod. | v. high |
| SH-23 | B | SW | sand | dk brn/brn | v. loose | <2 | <10 | 80 | 8 | mod. | high |
| SH-24 | B | SW | sand | olive brn/pale brn | loose | <1 | <5 | 92 | 3 | mod. | v. high |
| SH-25 | B | SW | Sand w/ gravel | olive brn/lt olive brn | loose | <1 | 3 | 84 | 12 | mod. | v. high |
| SH-26 | B | SW | sand | dk grayish brn/lt olive brn | loose | <1 | 2 | 92 | 5 | well | v. high |
| SH-27 | B | SM | sand w/ silt | v. dk grayish brn/lt olive brn | loose | <1 | <10 | 85 | 4 | mod. | v. high |

Notes:
dk = dark
lt = light
v. = very
mod. = moderate
Class. = classification

C = clay
S = sand
G = gravel
brn = brown

## 3.2 Hydrogeologic Mapping

The purpose of the mapping exercise was to identify where corresponding hydrogeologic units underlying the VICLF outcrop on the southernmost hillslope. Prior to the start of field work, a preliminary geologic map was prepared using the VICLF site borehole lithologic logs. Upon completion of the field work and comparison of drill cuttings samples from a few VICLF boreholes and samples from the west hillslope area, a geologic map was prepared (Figure 2).

Figure 2 Surface Geology Map of Southern Hillslope

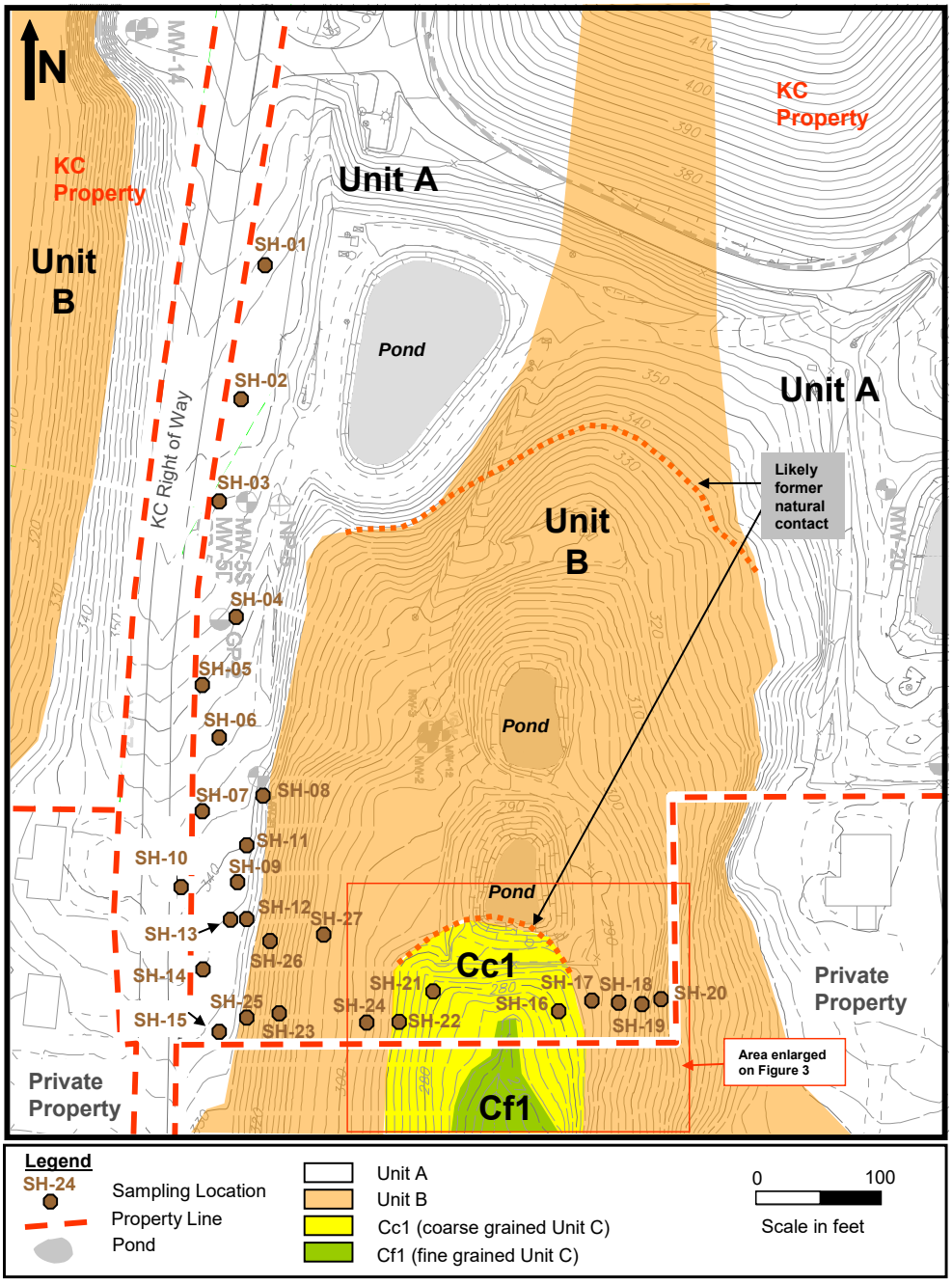
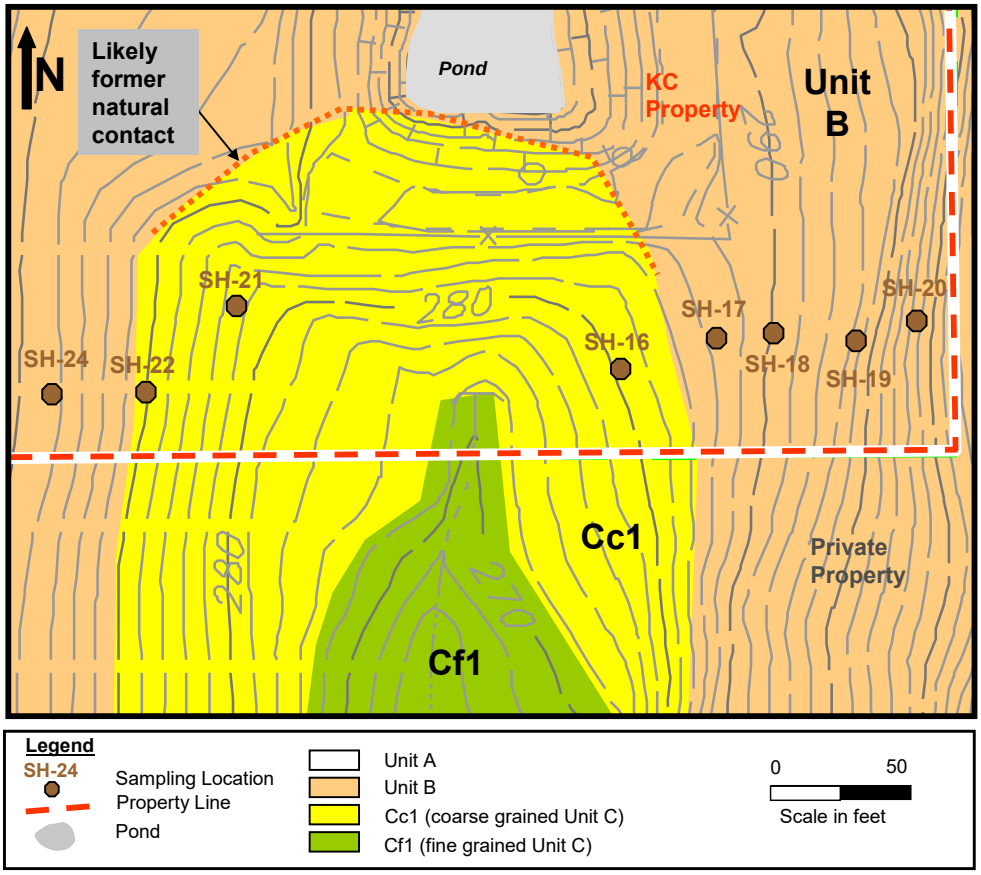


Figure 3 shows a close-up of the geology near the southernmost property line. No saturation was observed on the hillslope, other than damp soils due to recent rains and in the surface ponds.

Grading activities related to the construction of the surface pond most likely removed and then covered the former natural outcrop of the Unit A/Unit B contact. Figures 2 and 3 show an estimated location of that contact. Figure 2 shows where Unit A was removed along the creek to the north (creating a tongue-like shape of exposed Unit B underneath and south of the landfill footprint) (B&H/UES, 2006).



# 4.0. DISCUSSION

The objective of this study was to gather enough field data to answer a few key questions about the hydrogeology in the south hillslope area near the southernmost property line and the adjacent private property.

- Where do the coarse grained units of Unit C (Cc1, Cc2, and Cc3) outcrop on the hillslope?
- Is there any saturation in the Unit C outcrops, if present?

Due to the amount of thick vegetation, not all areas could be inspected. Based on comparison of collected samples with VICLF drill cutting samples, well logs, and west hillslope sediment samples, Units A, B and Cc1 were observed in the study area on the VICLF property. Based on nearby borehole lithologic descriptions, the top of Unit B and Cc1 outcrops on the hillslope were as anticipated. Units Cc2 and Cc3 were not observed in the study area.

Dampness, when noted, in the dug sample sites, was most likely due to recent precipitation. Water-filled surface ponds in the study area were part of the stormwater drainage system at the VICLF. Neither seepage, saturation, springs, nor running water was observed exiting Units A, B, Cc1 or across the property boundary line.

# 5.0. REFERENCES

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# Appendix A

# Sediment Descriptions

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## SAMPLE DESCRIPTION

| | | |
|---|---|---|
| **Sample ID #** | | SH- 1 |
| **Location description** | | ~100'S of gate, E of ROW |
| **Geotech classification** | UNIT A SP | gravelly sand |
| **Color** | **Munsell #** | **Descrption** |
| Fresh / Wet | | dark brown |
| Dry | 10YR 4/3 | brown (grayish brn) |
| **Penetration** | | |
| Fines | N/A | v.soft soft med.stiff stiff |
| S&G | | v loose / loose med.dense dense v dense |
| **Moisture** | | dry (damp) moist wet (surface H2O) |
| **Size & Shape** | (shape=rounded, subrounded, subangular, angular) | |
| % clay | | |
| & silt | | <5% |
| % sand | (v fine, fine, medium, coarse, v coarse) | vf-f 55%; M 5% |
| %gravel | (plus diam) | f 25%; c-up to 3"; subrounded 10% |
| **Sorting** | well – poorly | poorly |
| **Plasticity** | | (nonplastic) v.low low med high v.high |
| **Permeability** | | v.low (low) mod high v.high |

## SAMPLE DESCRIPTION

| | | |
|---|---|---|
| **Sample ID #** | | SH- 2 |
| **Location description** | | ~100'S of SH-1 |
| **Geotech classification** | UNIT A SW/SP | Sand w gravel |
| **Color** | **Munsell #** | **Descrption** |
| (Fresh) / Wet | | orangeish light brown |
| Dry | 10YR 5/4 | yellowish brown |
| **Penetration** | | |
| Fines | N/A | v.soft soft med.stiff stiff |
| S&G | | v loose loose (med.dense) dense v dense |
| **Moisture** | | (dry) damp moist wet |
| **Size & Shape** | (shape=rounded, subrounded, subangular, angular) | |
| % clay | | |
| & silt | | <5% |
| % sand | (v fine, fine, medium, coarse, v coarse) | Vf-f 60%; M 10% |
| %gravel | (plus diam) | subangular Cobbles up to 4" 5%; c-up to 2" f 20% |
| **Sorting** | well – poorly | moderately |
| **Plasticity** | | (nonplastic) v.low low med high v.high |
| **Permeability** | | v.low (low mod) high v.high |

**Notes:**

similar to SH-1, 3-7

on same slope as SH-1, 3-15

## SAMPLE DESCRIPTION

| | | |
|---|---|---|
| **Sample ID #** | | SH-3 |
| **Location description** | | ~20' W of MW-5 |
| **Geotech classification** | UNIT A SP | Sand w/ gravel |
| **Color** | **Munsell #** | **Descrption** |
| (Fresh) Wet | | orange-ish brown |
| Dry | 10YR 5/4 | yellowisth brown |
| **Penetration** | | |
| Fines | N/A | v.soft soft med.stiff stiff |
| S&G | | v loose loose (med.dense) dense v dense |
| **Moisture** | | (dry) damp moist wet |
| **Size & Shape** | (shape=rounded, subrounded, subangular, angular) | |
| % clay | | |
| & silt | | <5% |
| % sand | (v fine, fine, medium, coarse, v coarse) | f~m. 70% |
| %gravel | (plus diam) | f. 20%, subrounded c. up to 2" 5% |
| **Sorting** | well -- poorly | moderately-poorly |
| **Plasticity** | | (nonplastic) v.low low med high v.high |
| **Permeability** | | v.low low (mod) high v.high |

**Notes:**

similar to SH-2, w/ less large cobbles

on same slope as SH 1-2, 4-15

## SAMPLE DESCRIPTION

| | | |
|---|---|---|
| **Sample ID #** | | SH-4 |
| **Location description** | | ~5' E of GP-2 |
| **Geotech classification** | UNIT A SC/SP | Sand w/ gravel |
| **Color** | **Munsell #** | **Descrption** |
| (Fresh) Wet | | light brownish gray w/ light orange |
| Dry | 10YR 6/3 | pale brown |
| **Penetration** | | |
| Fines | N/A | v.soft soft med.stiff stiff |
| S&G | | v loose loose med.dense (dense) v.dense |
| **Moisture** | | (dry) damp moist wet |
| **Size & Shape** | (shape=rounded, subrounded, subangular, angular) | |
| % clay | | <1% |
| & silt | | <5% |
| % sand | (v fine, fine, medium, coarse, v coarse) | f-m 74% |
| %gravel | (plus diam) | c. up to 2" 10%; f. 5%; cobbles up to 6" |
| **Sorting** | well -- poorly | Poorly |
| **Plasticity** | | (nonplastic) v.low low med high v.high |
| **Permeability** | | v.low low (mod high) v.high |

**Notes:**

similar to SH-1, SH-2

on same slope as SH-1-3, 5-15

## SAMPLE DESCRIPTION

| | |
|---|---|
| **Sample ID #** | SH-5 |
| **Location description** | ~100' NW of NW-2 & E of Row |
| **Geotech classification** UNIT A | SP/SC · Sand w/ gravel |
| **Color** (Fresh) Wet | pale brown |
| **Munsell #** Dry 10YR 6/4 | light yellowish Brown |
| **Penetration** Fines N/A | v.soft soft med.stiff stiff |
| S&G | v loose loose med.dense (dense) v dense |
| **Moisture** | (dry) damp moist wet |
| **Size & Shape** (shape=rounded, subrounded, subangular, angular) % clay | <1% |
| & silt | <5% |
| % sand (v fine, fine, medium, coarse, v coarse) | vf-f 74% |
| %gravel (plus diam) | c. subangular up to 1.5" 10%; f up to 0.5cm 10 |
| **Sorting** well – poorly | moderately poorly |
| **Plasticity** | (nonplastic) v.low low med high v.high |
| **Permeability** | v.low low mod (high) v.high |

**Notes:**

similar to SH-4, but less cobbles, none bigger than 1.5" more fines than SH-1 → SH-4

on same slope as SH-1-4.6-15

## SAMPLE DESCRIPTION

| | |
|---|---|
| **Sample ID #** | SH-6 |
| **Location description** | ~50' NW of MW-21 |
| **Geotech classification** UNIT A | SM/SP · sand & silt/gravel |
| **Color** (Fresh) Wet | light brown w/ orange tint/multicolors |
| **Munsell #** Dry 10YR 4/3 | brown |
| **Penetration** Fines N/A | v.soft soft med.stiff stiff |
| S&G | v loose loose med.dense (dense) v dense |
| **Moisture** | (dry) damp moist wet |
| **Size & Shape** (shape=rounded, subrounded, subangular, angular) % clay | <1% |
| & silt | <10% |
| % sand (v fine, fine, medium, coarse, v coarse) | vf-f 74%; m 5% |
| %gravel (plus diam) | f. up to 0.75' 5%; subangular cobbles up to 4" 5% |
| **Sorting** well -- poorly | moderately |
| **Plasticity** | (nonplastic) v.low low med high v.high |
| **Permeability** | v.low low (mod high) v.high |

**Notes:**

similar to

on same slope as SH-1-5, 7-15

More fines than SH-1 → SH-4, but less than SH-5

## SAMPLE DESCRIPTION

| | | |
|---|---|---|
| **Sample ID #** | | SH-7 |
| **Location description** | | in E ROW; ~20' S of fence corner |
| **Geotech classification** | UNIT A SP/SC | Sand w/ gravel |
| **Color** | **Munsell #** | **Descrption** |
| (Fresh) Wet | | light brown |
| Dry | 10 YR 5/4 | yellowish brown |
| **Penetration** | | |
| Fines | N/A | v.soft soft med.stiff stiff |
| S&G | | v loose loose med.dense dense (v dense) Very/Compact |
| **Moisture** | | (dry) damp moist wet |
| **Size & Shape** | (shape=rounded, subrounded, subangular, angular) | |
| % clay | | <1% |
| & silt | | <5% |
| % sand | (v fine, fine, medium, coarse, v coarse) | v-f 79% |
| %gravel | (plus diam) | subangular C, up to 2" 5%; f up to 1cm 10% |
| **Sorting** | well -- poorly | Moderately-poorly |
| **Plasticity** | | (nonplastic) v.low low med high v.high |
| **Permeability** | | v.low low (mod) high v.high |

**Notes:**

## SAMPLE DESCRIPTION

| | | |
|---|---|---|
| **Sample ID #** | | SH-8 |
| **Location description** | | ~20' ESE of fence corner |
| **Geotech classification** | UNIT A SP | Sand w/ gravel |
| **Color** | **Munsell #** | **Descrption** |
| (Fresh) Wet | | grayish-dark brown |
| Dry | 10 YR 4/2 | dk grayish brown |
| **Penetration** | | |
| Fines | N/A | v.soft soft med.stiff stiff |
| S&G | | v loose loose (med.dense) dense v dense |
| **Moisture** | | dry (damp) moist wet |
| **Size & Shape** | (shape=rounded, subrounded, subangular, angular) | |
| % clay | | |
| & silt | | <2% |
| % sand | (v fine, fine, medium, coarse, v coarse) | f-m 80% |
| %gravel | (plus diam) | f up to 1" 15%, rounded c. up to 2" < 3% |
| **Sorting** | well -- poorly | Moderately-poorly |
| **Plasticity** | | (nonplastic) v.low low med high v.high |
| **Permeability** | | v.low low (mod) high v.high |

**Notes:**

## SAMPLE DESCRIPTION

| | | |
|---|---|---|
| **Sample ID #** | | SH-9 |
| **Location description** | | ~75'S of fenceline corner |
| **Geotech classification** | UNIT A SP | Sand w/ gravel |
| **Color** | **Munsell #** | **Descrption** |
| Fresh Wet | | light brown w/ multi colors |
| Dry | 10YR 4/2 | dk gray; SH brown |
| **Penetration Fines** | N/A | v.soft soft med.stiff stiff |
| **S&G** | | v loose loose med.dense dense v dense |
| **Moisture** | | dry damp moist wet |
| **Size & Shape** | (shape=rounded, subrounded, subangular, angular) | |
| **% clay** | | <1% |
| **& silt** | | <5% |
| **% sand** | (v fine, fine, medium, coarse, v coarse) | f-m 69%; c 10% |
| **%gravel** | (plus diam) | f up to 0.5cm 10%; Roundedof Subangular c up to 5% |
| **Sorting** | well -- poorly | Moderately-poorly |
| **Plasticity** | | nonplastic v.low low med high v.high |
| **Permeability** | | v.low low mod high v.high |

## SAMPLE DESCRIPTION

| | | |
|---|---|---|
| **Sample ID #** | | SH-10 |
| **Location description** | | In E Row; ~20' N of mail boxes |
| **Geotech classification** | UNIT A SP | Sand & gravel |
| **Color** | **Munsell #** | **Descrption** |
| Fresh Wet | 10YR 6/4 | light yellowish brown |
| Dry | 10YR 6/3 | pale brown (more pale than SH-4 |
| **Penetration Fines** | N/A | v.soft soft med.stiff stiff |
| **S&G** | | v loose loose med.dense dense v dense |
| **Moisture** | | dry damp moist wet |
| **Size & Shape** | (shape=rounded, subrounded, subangular, angular) | |
| **% clay** | | |
| **& silt** | | <2% |
| **% sand** | (v fine, fine, medium, coarse, v coarse) | v-f 10%; M-C 76% |
| **%gravel** | (plus diam) | f. 10%; c up to 1.5" 2% |
| **Sorting** | well -- poorly | Well |
| **Plasticity** | | nonplastic v.low low med high v.high |
| **Permeability** | | v.low low mod high v.high |

**Notes:**

similar to SH 5-8 for HC(R); very different in color from SH-1-9

on same slope as SH-1-9, 11-15

## SAMPLE DESCRIPTION

| | | |
|---|---|---|
| **Sample ID #** | | SH-11 |
| **Location description** | | ~5ft' SE of SH-8; NE of SH-9 |
| **Geotech classification** | UNIT A SP | Sand |
| **Color** | **Munsell #** | **Descrption** |
| Fresh (Wet) | 10 YR 6/4 | light yellowish brn |
| Dry | 2.5 Y 6/3 | light yellowish gray |
| **Penetration** | | |
| Fines | N/A | v.soft soft med.stiff stiff |
| S&G | | v loose loose (med.dense) dense v dense |
| **Moisture** | | (dry) damp moist wet |
| **Size & Shape** | (shape=rounded, subrounded, subangular, angular) | |
| % clay | | |
| & silt | | <1% |
| % sand | (v fine, fine, medium, coarse, v coarse) | vf-f 37%; m-c 55% |
| %gravel | (plus diam) | f. up to 0.5mm 5%; c. up to 2" subangular 2% |
| **Sorting** | well -- poorly | moderately-well |
| **Plasticity** | | (nonplastic) v.low low med high v.high |
| **Permeability** | | v.low low mod (high) v.high |

**Notes:**

similar to SH-13

on same slope as SH-1-10, 12-15

-near top of steep slope

## SAMPLE DESCRIPTION

| | | |
|---|---|---|
| **Sample ID #** | | SH-12 |
| **Location description** | | ~50'S of SH-11; E of SH-3 |
| **Geotech classification** | UNIT A SP | Sand |
| **Color** | **Munsell #** | **Descrption** |
| Fresh (Wet) | 10 YR 5/3 | brown |
| Dry | 10 YR 4/4 | dark yellowish brown |
| **Penetration** | | |
| Fines | N/A | v.soft soft med.stiff stiff |
| S&G | | v loose loose (med.dense) dense v dense |
| **Moisture** | | (dry) damp moist wet |
| **Size & Shape** | (shape=rounded, subrounded, subangular, angular) | |
| % clay | | <1% |
| & silt | | <5% |
| % sand | (v fine, fine, medium, coarse, v coarse) | Vf-f 48%; m-c 40% |
| %gravel | (plus diam) | f. up to 0.75", subangular 5% |
| **Sorting** | well -- poorly | Moderately |
| **Plasticity** | | (nonplastic) v.low low med high v.high |
| **Permeability** | | v.low (low) mod high v.high |

**Notes:**

## SAMPLE DESCRIPTION

| | | |
|---|---|---|
| **Sample ID #** | | SH- 13 |
| **Location description** | | top of steep slope; ~60's of SH-9 |
| **Geotech classification** | UNIT A SP | sand w/gravel |
| **Color** | **Munsell #** | **Descrption** |
| Fresh (Wet) | 10 YR 4/2 | dark grayish brown; multicolored |
| Dry | 2.5 Y 5/3 | light olive brown |
| **Penetration** | | |
| Fines | N/A | v.soft soft med.stiff stiff |
| S&G | | v loose loose med.dense (dense) v dense |
| **Moisture** | | (dry) damp moist wet |
| **Size & Shape** | (shape=rounded, subrounded, subangular, angular) | |
| % clay | | |
| & silt | | <10% |
| % sand | (v fine, fine, medium, coarse, v coarse) | vf-f 39%; m-c 50% |
| %gravel | (plus diam) | c, subrounded up to 1.5cm 5%; f. <5% |
| **Sorting** | well – poorly | moderately |
| **Plasticity** | | (nonplastic) v.low low med high v.high |
| **Permeability** | | v.low low mod (high) v.high |

**Notes:**

similar to SH-11

on same slope as SH-1-12, 14-15

~near top of steep slope

## SAMPLE DESCRIPTION

| | | |
|---|---|---|
| **Sample ID #** | | SH- 14 |
| **Location description** | | 1st E Row; ~50' N of mailboxes |
| **Geotech classification** | UNIT A SM/SC | sand |
| **Color** | **Munsell #** | **Descrption** |
| Fresh (Wet) | 10 YR 3/2 | Very dark grayish brown |
| Dry | 10 YR 6/4 | light yellowish brown |
| **Penetration** | | |
| Fines | N/A | v.soft soft med.stiff stiff |
| S&G | | v loose loose (med.dense) dense v dense |
| **Moisture** | | (dry) damp moist wet |
| **Size & Shape** | (shape=rounded, subrounded, subangular, angular) | |
| % clay | | <2% |
| & silt | | <5% |
| % sand | (v fine, fine, medium, coarse, v coarse) | vf-f 53%; M-C 35% |
| %gravel | (plus diam) | f, subangular up to 0.75" 5% |
| **Sorting** | well – poorly | Moderately-well |
| **Plasticity** | | (nonplastic) v.low low med high v.high |
| **Permeability** | | v.low low mod (high) v.high |

**Notes:**

## SAMPLE DESCRIPTION

| | | |
|---|---|---|
| **Sample ID #** | | SH-15 |
| **Location description** | | ~50' E of ROW, ~20' N of prop. line |
| **Geotech classification** | UNIT A SP | Sand w/ gravel |
| **Color** | **Munsell #** | **Descrption** |
| Fresh (Wet) | 10 YR 4/2 | dk grayish brn., multicolored |
| Dry | 10 YR 5/4 | Yellowish brown |
| **Penetration** | | |
| Fines | N/A | v.soft soft med.stiff stiff |
| S&G | | v loose loose (med.dense) dense v dense |
| **Moisture** | | (dry) damp moist wet |
| **Size & Shape** | (shape=rounded, subrounded, subangular, angular) | |
| % clay | | <3% |
| & silt | | <5 % |
| % sand | (v fine, fine, medium, coarse, v coarse) | Vf-f 50 %; M-C 29 % |
| %gravel | (plus diam) | f. up to 1 cm 10%; C. subrounded up to 1.5" 3.% |
| **Sorting** | well -- poorly | moderately |
| **Plasticity** | | (nonplastic) v.low low med high v.high |
| **Permeability** | | v.low low (mod) high v.high |
| **Notes:** | | |

## SAMPLE DESCRIPTION

| | | |
|---|---|---|
| **Sample ID #** | | SH-16 |
| **Location description** | | ~60' NE of Sample pt. |
| **Geotech classification** | UNIT CC1 SW/SP | Sand |
| **Color** | **Munsell #** | **Descrption** |
| Fresh (Wet) | 10 YR 4/6 | dk yellowish brn |
| Dry | 10 YR 6/4 | light " " |
| **Penetration** | | |
| Fines | NA | v.soft soft med.stiff stiff |
| S&G | | (v loose) loose med.dense dense v dense |
| **Moisture** | | (dry) damp moist wet |
| **Size & Shape** | (shape=rounded, subrounded, subangular, angular) | |
| % clay | | |
| & silt | | <1% |
| % sand | (v fine, fine, medium, coarse, v coarse) | f-m 87%; C 10% |
| %gravel | (plus diam) | f un to 0.5cm 2% |
| **Sorting** | well -- poorly | Well - Moderately |
| **Plasticity** | | (nonplastic) v.low low med high v.high |
| **Permeability** | | v.low low mod high (v.high) |
| **Notes:** | | |

## SAMPLE DESCRIPTION

| | | |
|---|---|---|
| **Sample ID #** | | SH- 17 |
| **Location description** | | ~20' E of SH-16 |
| **Geotech classification** | UNIT B SW\|SP | Sand |
| **Color** | **Munsell #** | **Descrption** |
| Fresh (Wet) | 2.5Y 3/3 | dk olive brown, multicolored |
| Dry | 2.5Y 6/4 | light yellowish brn |
| **Penetration** | | |
| Fines | N/A | v.soft soft med.stiff stiff |
| S&G | | (v loose) loose med.dense dense v dense |
| **Moisture** | | dry (damp) moist wet |
| **Size & Shape** | (shape=rounded, subrounded, subangular, angular) | |
| % clay | | <1% |
| & silt | | <1% |
| % sand | (v fine, fine, medium, coarse, v coarse) | f 15%; m 80% |
| %gravel | (plus diam) | C. subrounded up to 2" 20% |
| **Sorting** | well – poorly | well-moderately |
| **Plasticity** | | (nonplastic) v.low low med high v.high |
| **Permeability** | | v.low low mod high (v.high) |

**Notes:**

## SAMPLE DESCRIPTION

| | | |
|---|---|---|
| **Sample ID #** | | SH- 18 |
| **Location description** | | ~15' E of SH-17 |
| **Geotech classification** | UNIT B SW | Sand |
| **Color** | **Munsell #** | **Descrption** |
| Fresh (Wet) | 10 YR 3/4 | dark yellowish Brn |
| Dry | 10 YR 5/6 | yellowish Brn |
| **Penetration** | | |
| Fines | N/A | v.soft soft med.stiff stiff |
| S&G | | (v loose) loose med.dense dense v dense |
| **Moisture** | | dry (damp) moist wet |
| **Size & Shape** | (shape=rounded, subrounded, subangular, angular) | |
| % clay | | |
| & silt | | 2% |
| % sand | (v fine, fine, medium, coarse, v coarse) | f 35%; m 60% |
| %gravel | (plus diam) | f. up to 1cm, subrounded 3% |
| **Sorting** | well – poorly | well |
| **Plasticity** | | (nonplastic) v.low low med high v.high |
| **Permeability** | | v.low low mod high (v.high) |

**Notes:**

similar to SH-19, 20 but finer

on same slope as SH-17, 21, 22

## SAMPLE DESCRIPTION

| | | |
|---|---|---|
| **Sample ID #** | | SH-19 |
| **Location description** | | ~20' E of SH-18 |
| **Geotech classification** | UNIT B SW | Sand |
| **Color** | **Munsell #** | **Descrption** |
| Fresh (Wet) | 10 YR 4/4 | dark yellowish brn; multicolored |
| Dry | 10 YR 6/6 | brownish yellow |
| **Penetration** | | |
| Fines | N/A | v.soft soft med.stiff stiff |
| S&G | | (v loose) loose med.dense dense v dense |
| **Moisture** | | dry damp moist wet |
| **Size & Shape** | (shape=rounded, subrounded, subangular, angular) | |
| % clay | | |
| & sil | | <2% |
| % sand | (v fine, fine, medium, coarse, v coarse) | f-10%; mc 85% |
| %gravel | (plus diam) | f subangular up to 1cm 3% |
| **Sorting** | well -- poorly | well |
| **Plasticity** | | nonplastic v.low low med high v.high |
| **Permeability** | | v.low low mod high (v.high) |

**Notes:**

similar to SH-18, 20

on same slope as SH-20, 23, 25, 26, 24, 27

## SAMPLE DESCRIPTION

| | | |
|---|---|---|
| **Sample ID #** | | SH-20 |
| **Location description** | | ~20 E of SH-19 |
| **Geotech classification** | UNIT B SW | Sand |
| **Color** | **Munsell #** | **Descrption** |
| Fresh (Wet) | 10 YR 4/6 | dark yellowish brn |
| Dry | 10 YR 6/6 | brownish yellow |
| **Penetration** | | |
| Fines | N/A | v.soft soft med.stiff stiff |
| S&G | | (v.loose) loose med.dense dense v dense |
| **Moisture** | | (dry) damp moist wet |
| **Size & Shape** | (shape=rounded, subrounded, subangular, angular) | |
| % clay | | |
| & silt | | 2% |
| % sand | (v fine, fine, medium, coarse, v coarse) | Vf-f- 75%; M-C 20% |
| %gravel | (plus diam) | f up to 2cm, subrounded <3% |
| **Sorting** | well -- poorly | well-moderately |
| **Plasticity** | | (nonplastic) v.low low med high v.high |
| **Permeability** | | v.low low mod high (v.high) |

**Notes:**

similar to SH-18, 19

on same slope as SH-19, 23, 25, 26

## SAMPLE DESCRIPTION

| | | |
|---|---|---|
| **Sample ID #** | | SH-21 |
| **Location description** | | ~20' W of pond slope boulder |
| **Geotech classification** | UNIT CC1 SW | sand |
| **Color** | **Munsell #** | **Descrption** |
| Fresh (Wet) | 10 YR 3/4 | dark yellowish brn |
| Dry | 10 YR 6/4 | light " " |
| **Penetration** | | |
| Fines | N/A | v.soft soft med.stiff stiff |
| S&G | | v loose (loose) med.dense dense v dense |
| **Moisture** | | (dry) damp moist wet |
| **Size & Shape** | (shape=rounded, subrounded, subangular, angular) | |
| % clay | | 10% |
| & silt | | 5% |
| % sand | (v fine, fine, medium, coarse, v coarse) | vf-f 29%; M 50%; C 10% |
| %gravel | (plus diam) | f up to 1.5cm, subrnded 5% |
| **Sorting** | well -- poorly | moderately |
| **Plasticity** | | (nonplastic) v.low low med high v.high |
| **Permeability** | | v.low low (mod) high v.high |

**Notes:**

## SAMPLE DESCRIPTION

| | | |
|---|---|---|
| **Sample ID #** | | SH-22 |
| **Location description** | | ~20' W of SH-21 |
| **Geotech classification** | UNIT CC1 SW | sand w/ gravel |
| **Color** | **Munsell #** | **Descrption** |
| Fresh (Wet) | 10 YR 4/4 | dark yellowish Brn |
| Dry | 10 YR 6/4 | light yellowish brn |
| **Penetration** | | |
| Fines | N/A | v.soft soft med.stiff stiff |
| S&G | | v loose (loose) med.dense dense v dense |
| **Moisture** | | (dry) damp moist wet |
| **Size & Shape** | (shape=rounded, subrounded, subangular, angular) | |
| % clay | | 1% |
| & silt | | 5% |
| % sand | (v fine, fine, medium, coarse, v coarse) | vf-f 60%; M-C 25% |
| %gravel | (plus diam) | f, up to 2cm 9% |
| **Sorting** | well -- poorly | moderately |
| **Plasticity** | | (nonplastic) v.low low med high v.high |
| **Permeability** | | v.low low mod high (v.high) |

**Notes:** also similar to SH-18,19,20 but more gravels

similar to SH-12,23,24 (when wet too); finer than SH-26

on same slope as SH-24,27,

## SAMPLE DESCRIPTION

| | | |
|---|---|---|
| **Sample ID #** | | SH-23 |
| **Location description** | | ~30' W of SH-24 |
| **Geotech classification** | UNIT B SW | Sand |
| **Color** | **Munsell #** | **Descrption** |
| Fresh Wet | 10 YR 3/3 | dark brown |
| Dry | 10 YR 5/3 | brown (pale brown (olive)) |
| **Penetration** | | |
| Fines | N/A | v.soft soft med.stiff stiff |
| S&G | | (v loose) loose med.dense dense v dense |
| **Moisture** | | (dry) damp moist wet |
| **Size & Shape** | (shape=rounded, subrounded, subangular, angular) | |
| % clay | | <2% |
| & silt | | <10% |
| % sand | (v fine, fine, medium, coarse, v coarse) | f 50%; m-c 30% |
| %gravel | (plus diam) | f up to 2cm 8% 10% of gravel |
| **Sorting** | well – poorly | moderately |
| **Plasticity** | | (nonplastic) v.low low med high v.high |
| **Permeability** | | v.low low mod (high) v.high |

**Notes:**

similar to SH-25,26,27,24 but more fines ... (more closely like 27 than 27)

on same slope as SH-25,26,20,19

- Steepest slope

## SAMPLE DESCRIPTION

| | | |
|---|---|---|
| **Sample ID #** | | SH-24 |
| **Location description** | | ~20' W of SH-22 |
| **Geotech classification** | UNIT B SW | Sand |
| **Color** | **Munsell #** | **Descrption** |
| Fresh Wet | 2.5Y 4/3 | olive brown |
| Dry | 10 YR 6/3 or 2.5 Y 6/4 | pale brown to light yellowish brown |
| **Penetration** | | |
| Fines | N/A | v.soft soft med.stiff stiff |
| S&G | | v loose (loose) med.dense dense v dense |
| **Moisture** | | (dry) damp moist wet |
| **Size & Shape** | (shape=rounded, subrounded, subangular, angular) | |
| % clay | | <1% |
| & silt | | <5% |
| % sand | (v fine, fine, medium, coarse, v coarse) | f 60%; m-c 32% |
| %gravel | (plus diam) | f up to 1cm 3% |
| **Sorting** | well – poorly | moderately |
| **Plasticity** | | (nonplastic) v.low low med high v.high |
| **Permeability** | | v.low low mod high (v.high) |

**Notes:**

similar to SH 25,26,27 but less sparse

on same slope as SH-22,18,23,25,26

- Steepest slope

## SAMPLE DESCRIPTION

| | | |
|---|---|---|
| **Sample ID #** | | SH- 25 |
| **Location description** | | ~30' W of SH-23 |
| **Geotech classification** | UNIT B SW | Sand w/ gravel |
| **Color** | **Munsell #** | **Descrption** |
| Fresh Wet | 2.5Y 4/3 | olive brown |
| Dry | 2.5Y 5/4 | light olive brown |
| **Penetration** | N/A | |
| Fines | | v.soft soft med.stiff stiff |
| S&G | | v loose (loose) med.dense dense v dense |
| **Moisture** | | (dry) damp moist wet |
| **Size & Shape** | (shape=rounded, subrounded, subangular, angular) | |
| % clay | | <1 |
| & silt | | <3% |
| % sand | (v fine, fine, medium, coarse, v coarse) | f 60%; m-c 24% |
| %gravel | (plus diam) | f up to 5mm 10%; c subangular up to 2" 2% |
| **Sorting** | well -- poorly | Moderately |
| **Plasticity** | | (nonplastic) v.low low med high v.high |
| **Permeability** | | v.low low mod high (v.high) |

**Notes:**

similar to SH-27, 26 but has more gravel than both

on same slope as SH-26, 23, 20, 19

-- Steepest slope

## SAMPLE DESCRIPTION

| | | |
|---|---|---|
| **Sample ID #** | | SH- 26 |
| **Location description** | | ~30' E of SH-13 |
| **Geotech classification** | UNIT B SW | Sand |
| **Color** | **Munsell #** | **Descrption** |
| Fresh Wet | 2.5Y 4/2 | dk grayish brown |
| Dry | 2.5Y 5/3 | light olive brown |
| **Penetration** | N/A | |
| Fines | | v.soft soft med.stiff stiff |
| S&G | | v loose (loose) med.dense dense v dense |
| **Moisture** | | (dry) damp moist wet |
| **Size & Shape** | (shape=rounded, subrounded, subangular, angular) | 8TH |
| % clay | | <1% |
| & silt | | 2% |
| % sand | (v fine, fine, medium, coarse, v coarse) | f 10%; m 60%; c 22% |
| %gravel | (plus diam) | f up to 0.5cm 5% |
| **Sorting** | well -- poorly | well |
| **Plasticity** | | (nonplastic) v.low low med high v.high |
| **Permeability** | | v.low low mod high (v.high) |

**Notes:**

## SAMPLE DESCRIPTION

| | | |
|---|---|---|
| **Sample ID #** | | SH- 27 |
| **Location description** | | ~60' E of 26 |
| **Geotech classification** | UNIT B SM | Sand w/ silt |
| **Color** | **Munsell #** | **Descrption** |
| Fresh Wet | 2.5 Y 3/2 | V. dk grayish brown |
| Dry | 2.5 Y 5/3 | light olive brown |
| **Penetration** | | |
| Fines | N/A | v.soft soft med.stiff stiff |
| S&G | | v loose loose med.dense dense v dense |
| **Moisture** | | dry damp moist wet |
| **Size & Shape** | (shape=rounded, subrounded, subangular, angular) | |
| % clay | | ≤1% |
| & silt | | <10% |
| % sand | (v fine, fine, medium, coarse, v coarse) | f 30% ; m 50% ; c 5% |
| %gravel | (plus diam) | f up to 1.5cm 4% |
| **Sorting** | well – poorly | Moderately |
| **Plasticity** | | nonplastic v.low low med high v.high |
| **Permeability** | | v.low low mod high v.high |

**Notes:**

similar to SH-25, 26 but less gravels

on same slope as SH-26, 23, 25

near base of steep slope

# Appendix B

# Pictures

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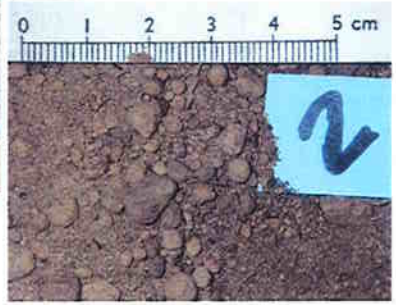
SH-01


SH-01


SH-02


SH-02



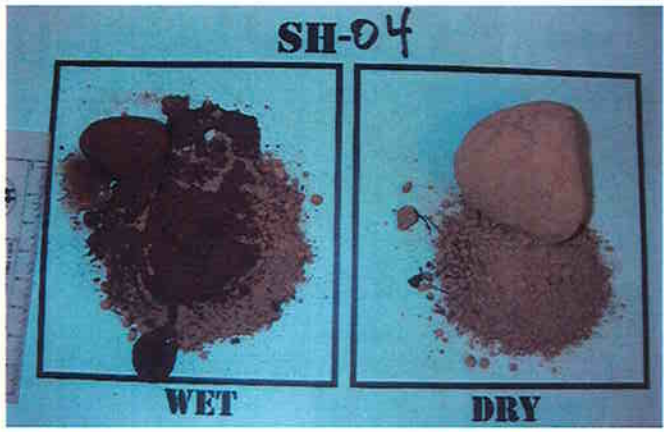

SH-03

SH-03



SH-03


SH-04




SH-04


SH-05


SH-05

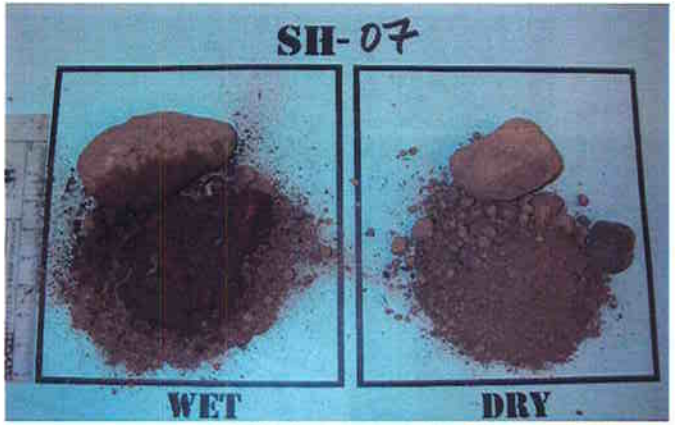

SH-06

SH-06



SH-06

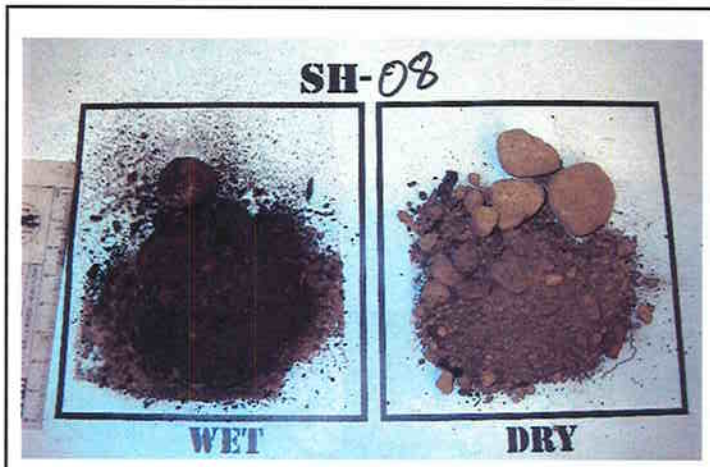

SH-07





SH-07


SH-08



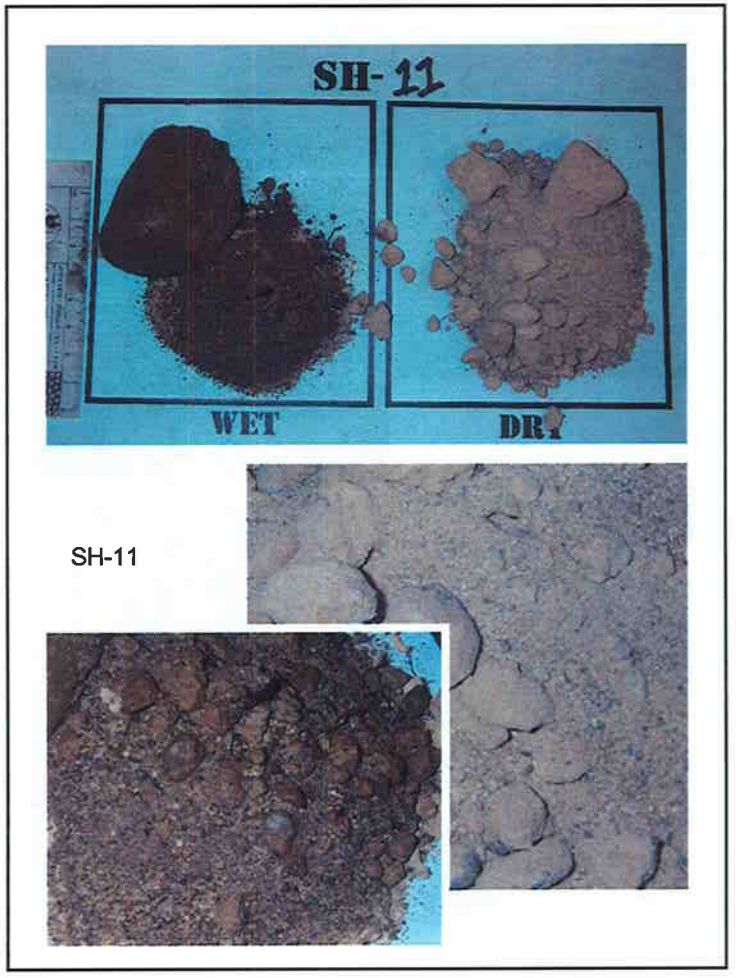


SH-08


SH-09

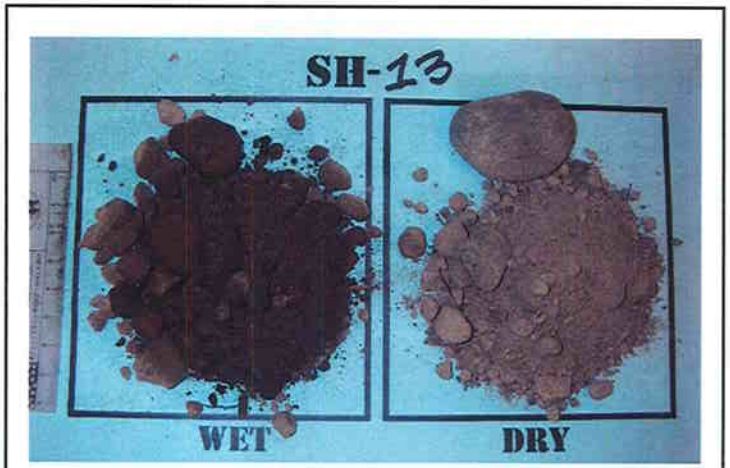

SH-09


SH-10




SH-11


SH-12

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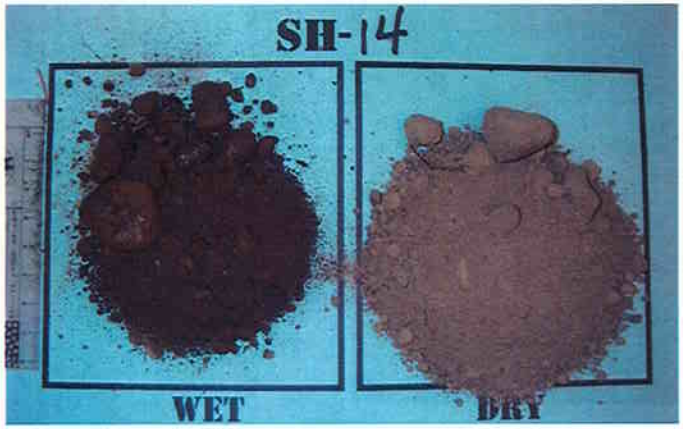


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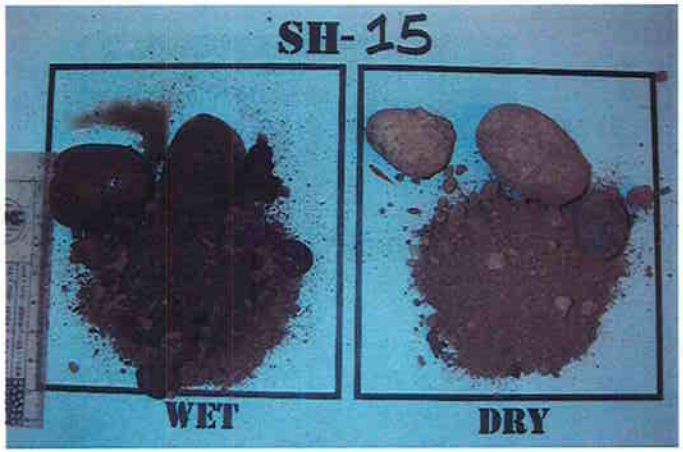



SH-15


SH-16

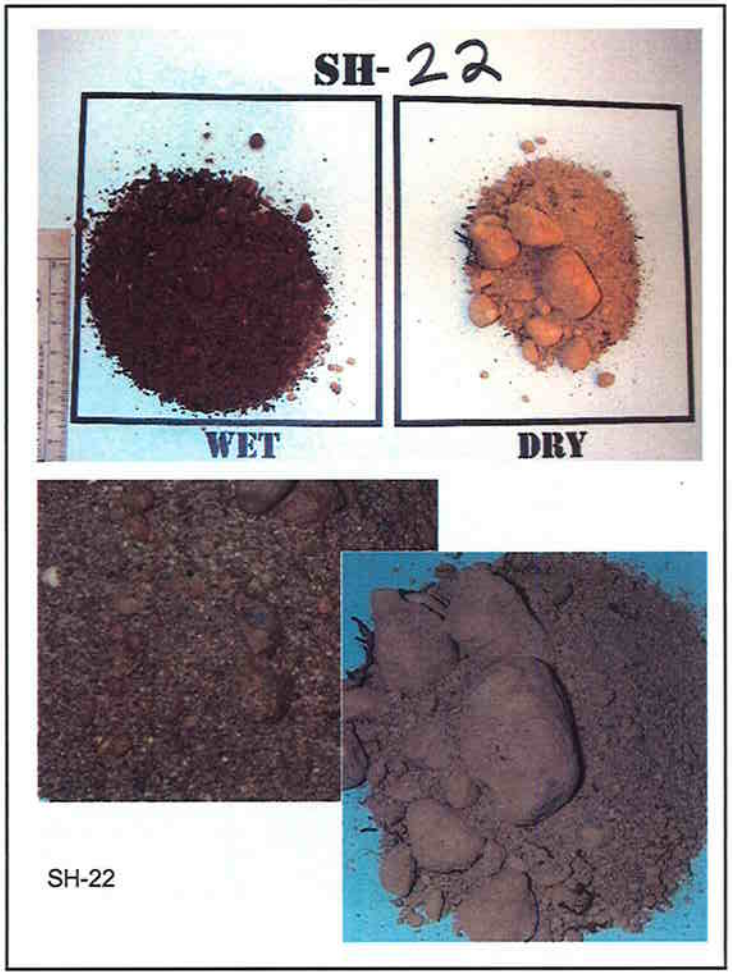

SH-17


SH-18

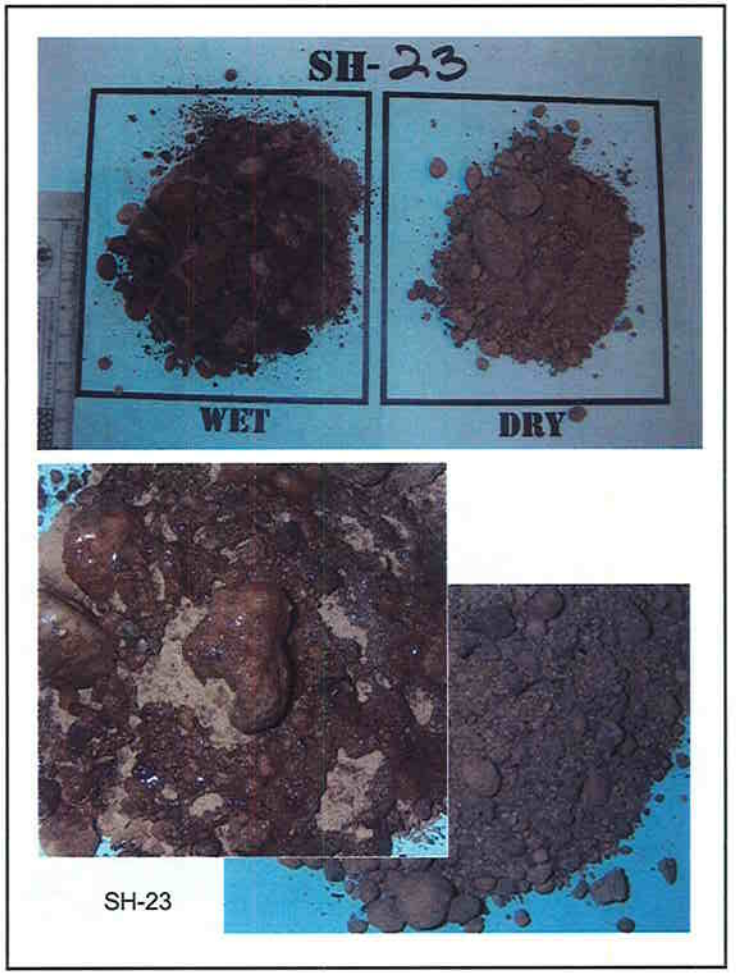

SH-19

SH-20


SH-21



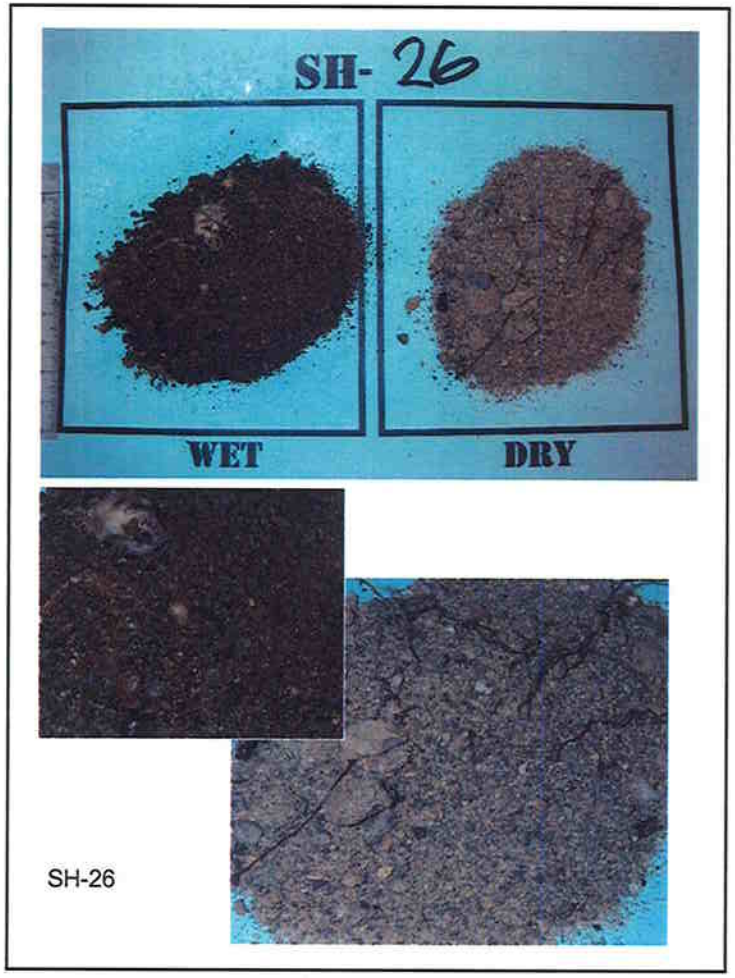

SH-22



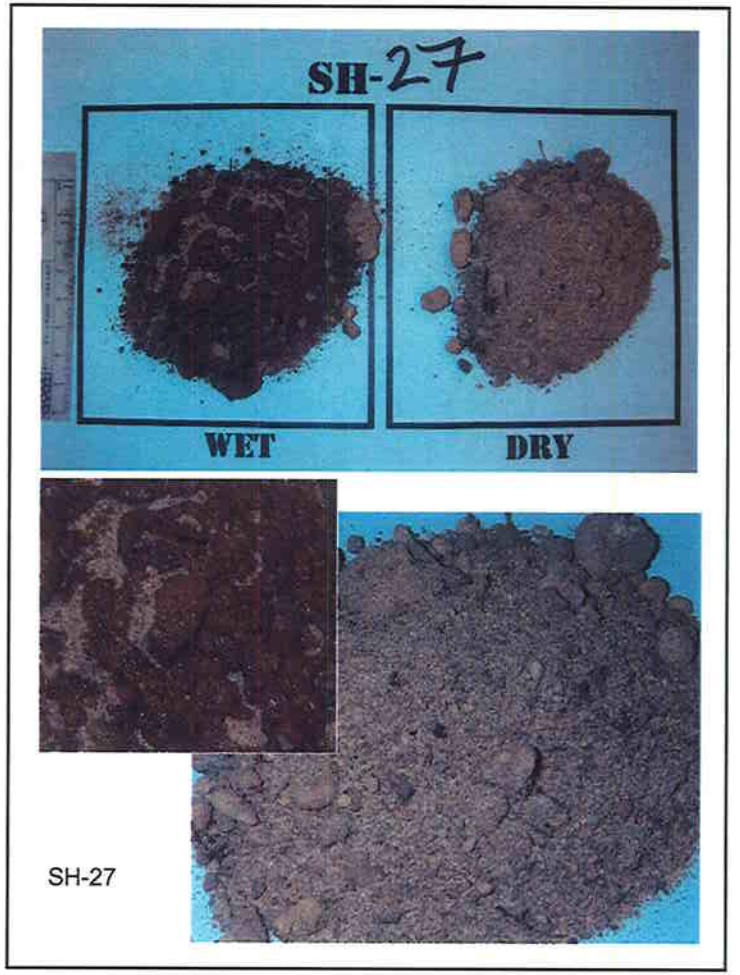

SH-23


SH-24


SH-25




SH-26




SH-27