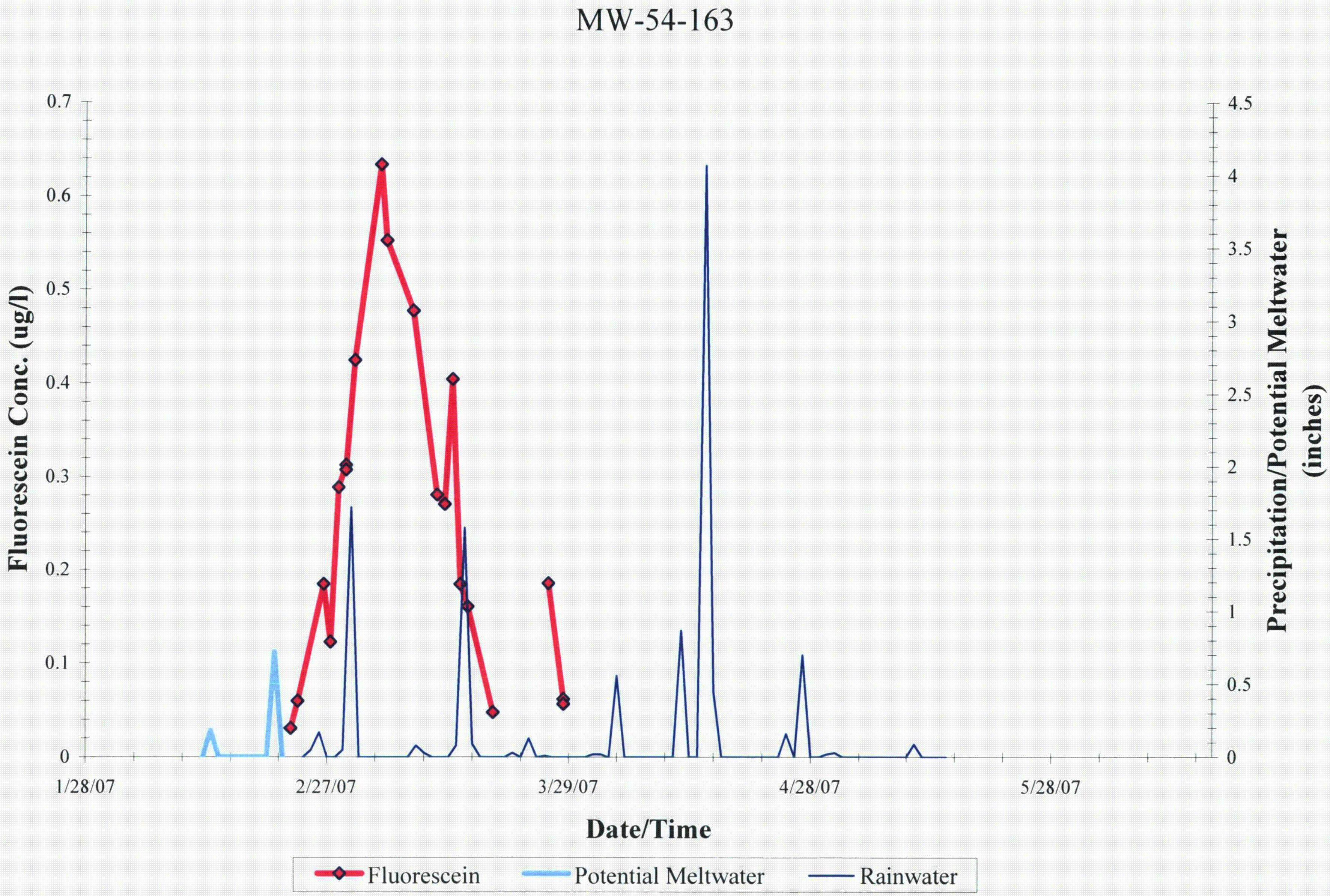
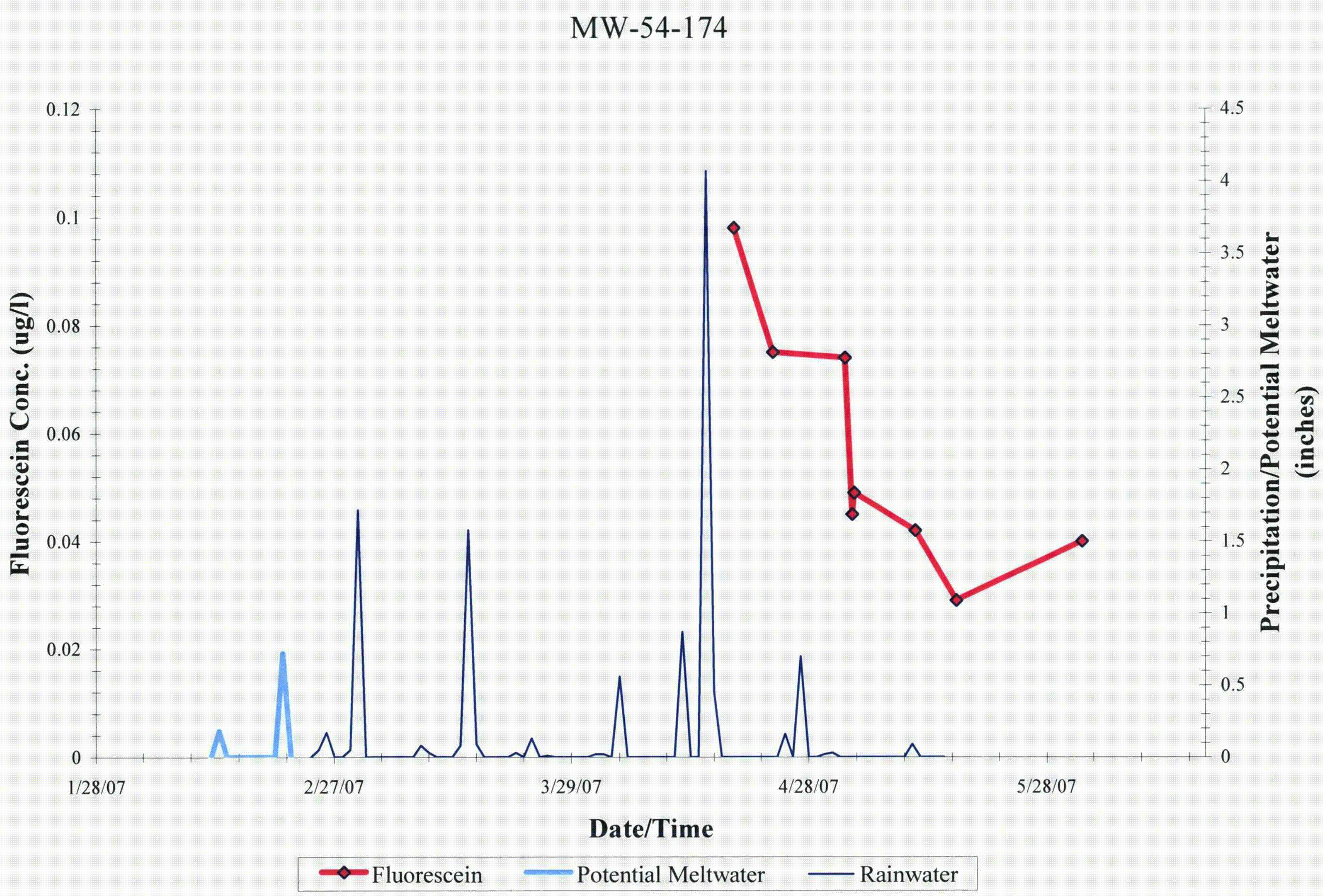
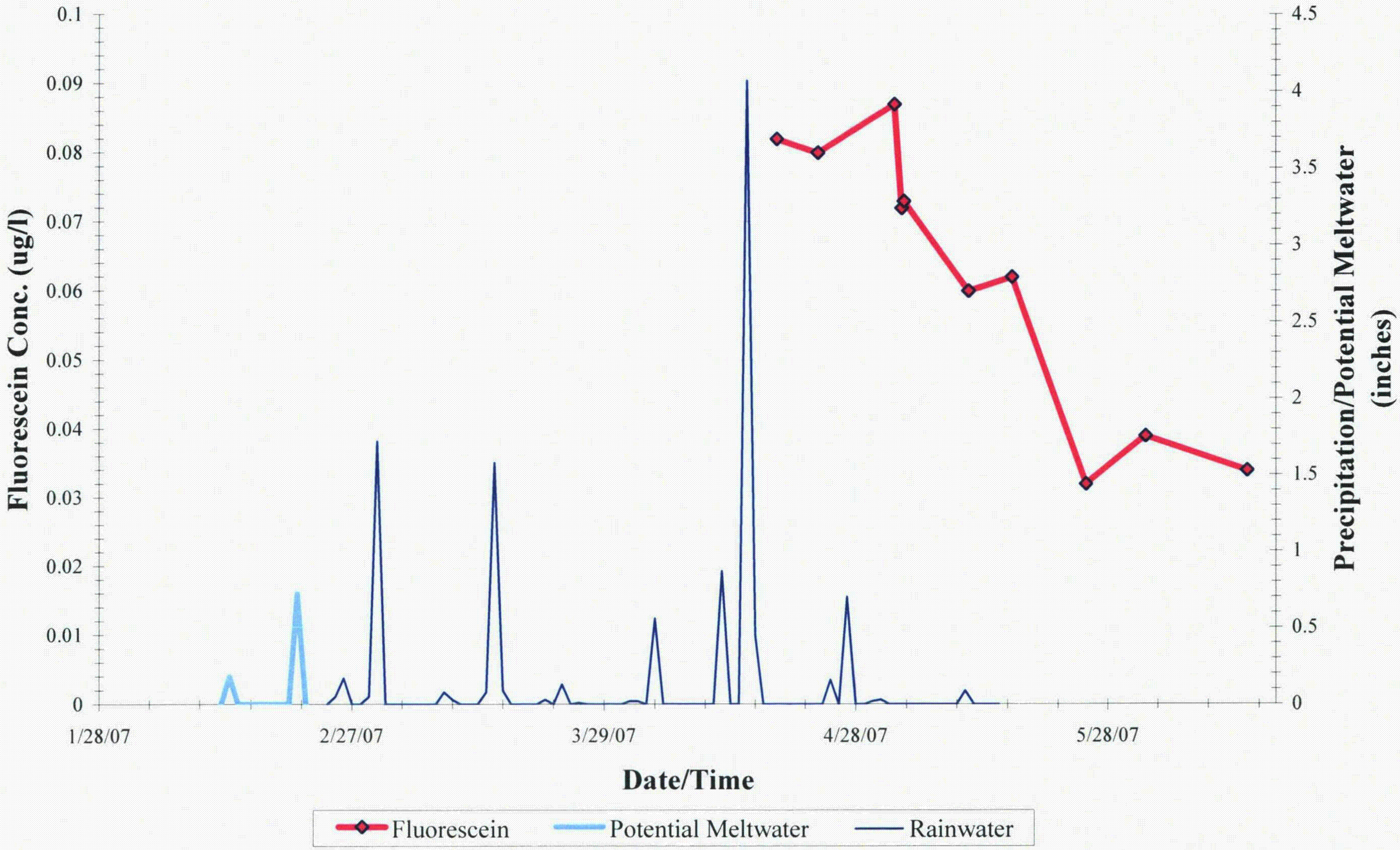
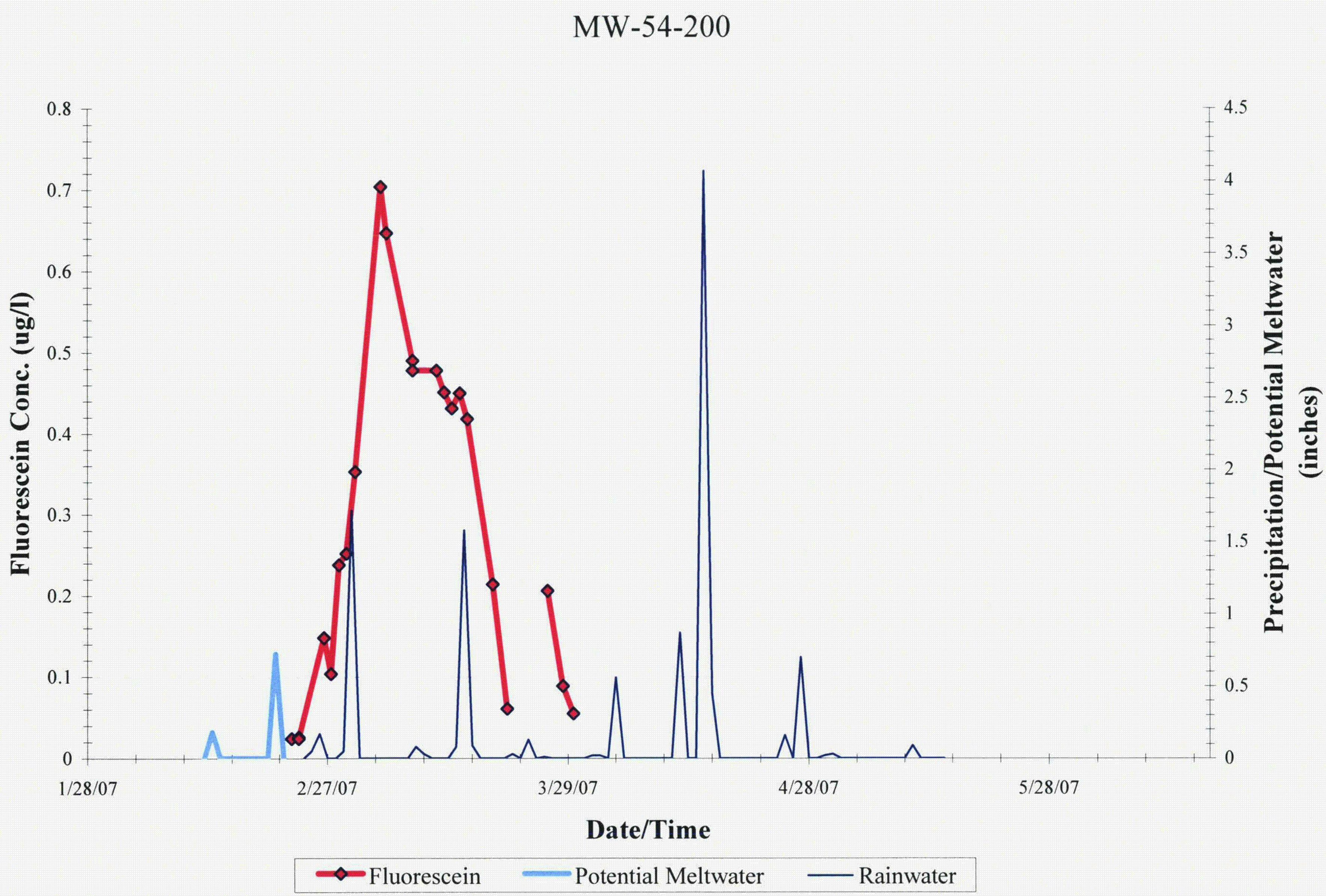

MW-54-163
Fluorescein Conc. (ug/l)
Precipitation/Potential Meltwater (inches)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
1/28/07
2/27/07
3/29/07
4/28/07
5/28/07
Date/Time
Fluorescein
Potential Meltwater
Rainwater


MW-54-174
Fluorescein Conc. (ug/l)
0.12
0.1
0.08
0.06
0.04
0.02
0
Precipitation/Potential Meltwater (inches)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
1/28/07
2/27/07
3/29/07
4/28/07
5/28/07
Date/Time
Fluorescein
Potential Meltwater
Rainwater

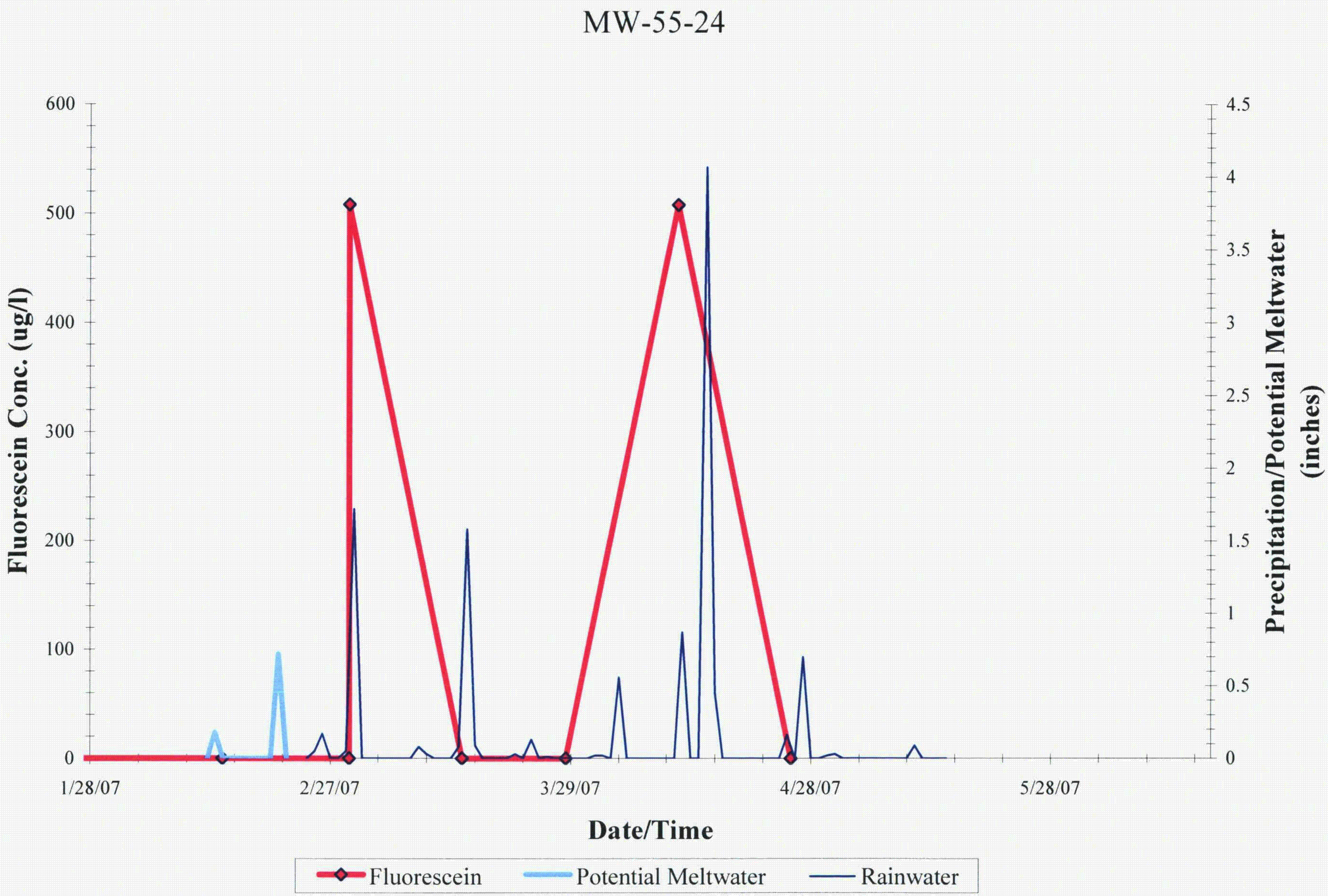
MW-54-192

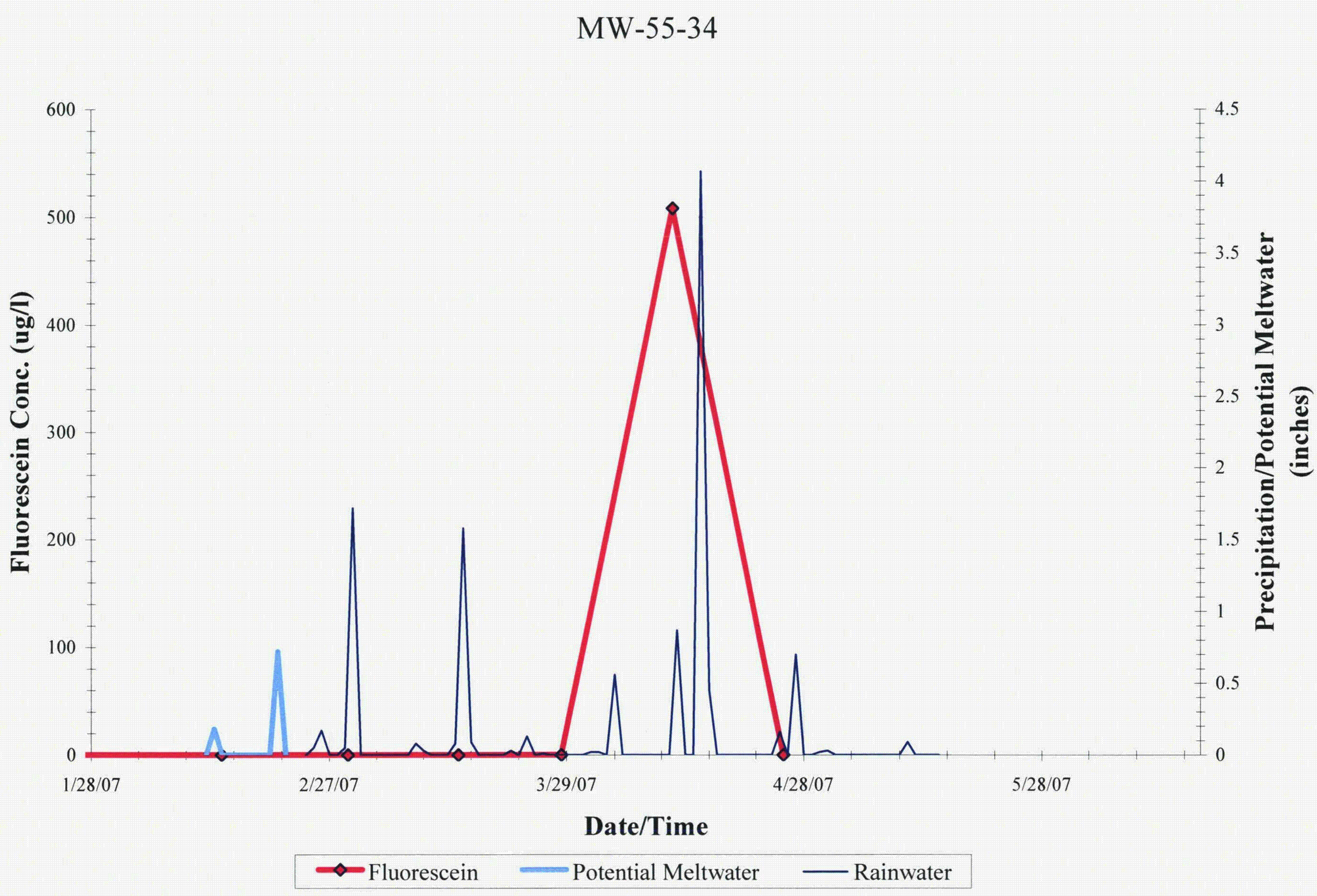


0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
Fluorescein Conc. (ug/l)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
Precipitation/Potential Meltwater (inches)
1/28/07
2/27/07
3/29/07
4/28/07
5/28/07
Date/Time
Fluorescein
Potential Meltwater
Rainwater

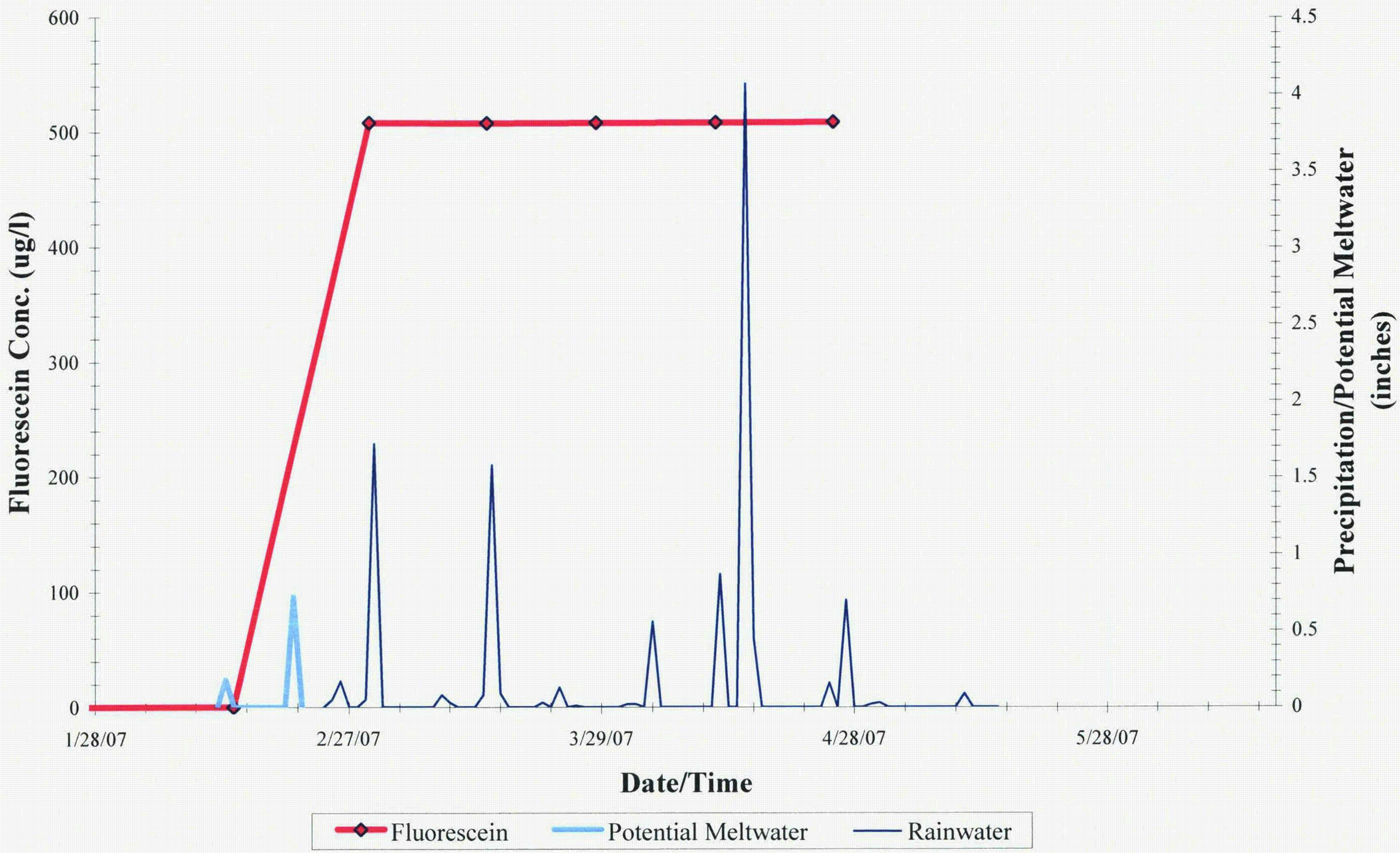


MW-54-200
Fluorescein Conc. (ug/l)
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
Precipitation/Potential Meltwater (inches)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
1/28/07
2/27/07
3/29/07
4/28/07
5/28/07
Date/Time
Fluorescein
Potential Meltwater
Rainwater


MW-55-24
Fluorescein Conc. (ug/l)
600
500
400
300
200
100
0
Precipitation/Potential Meltwater (inches)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
1/28/07
2/27/07
3/29/07
4/28/07
5/28/07
Date/Time
Fluorescein
Potential Meltwater
Rainwater

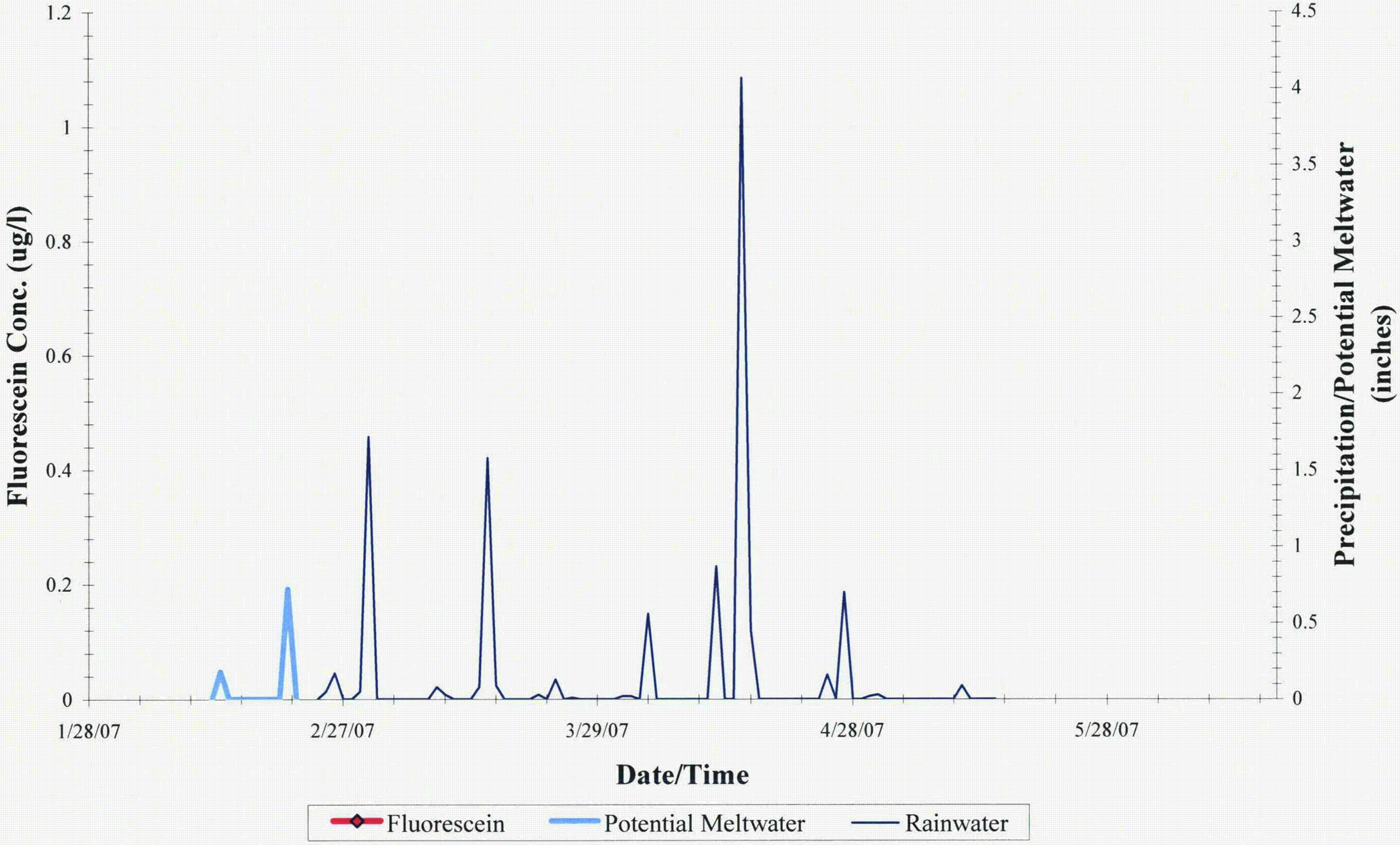

MW-55-34
600
500
400
300
200
100
0
Fluorescein Conc. (ug/l)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
Precipitation/Potential Meltwater (inches)
1/28/07
2/27/07
3/29/07
4/28/07
5/28/07
Date/Time
Fluorescein
Potential Meltwater
Rainwater

MW-55-54

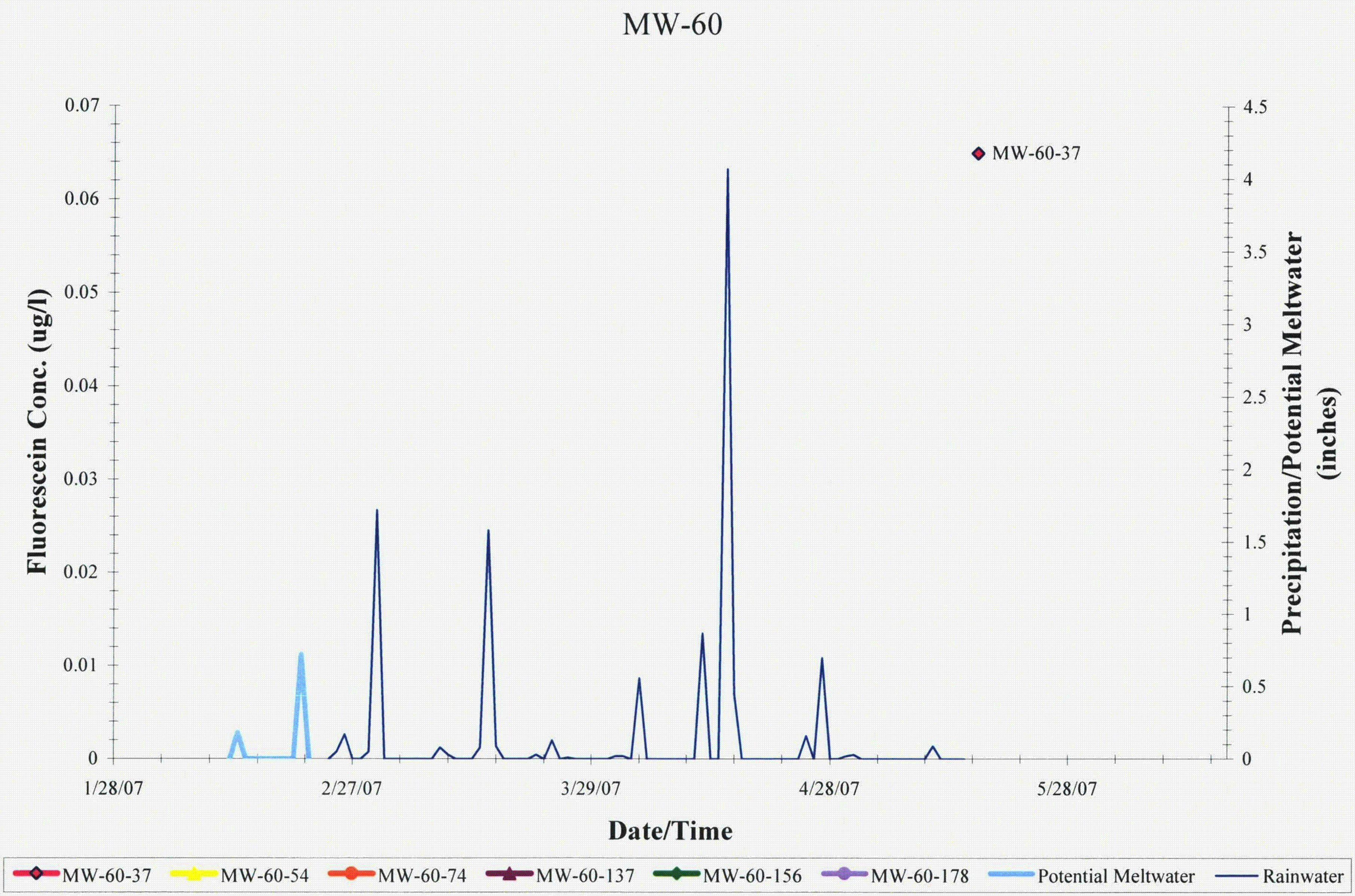


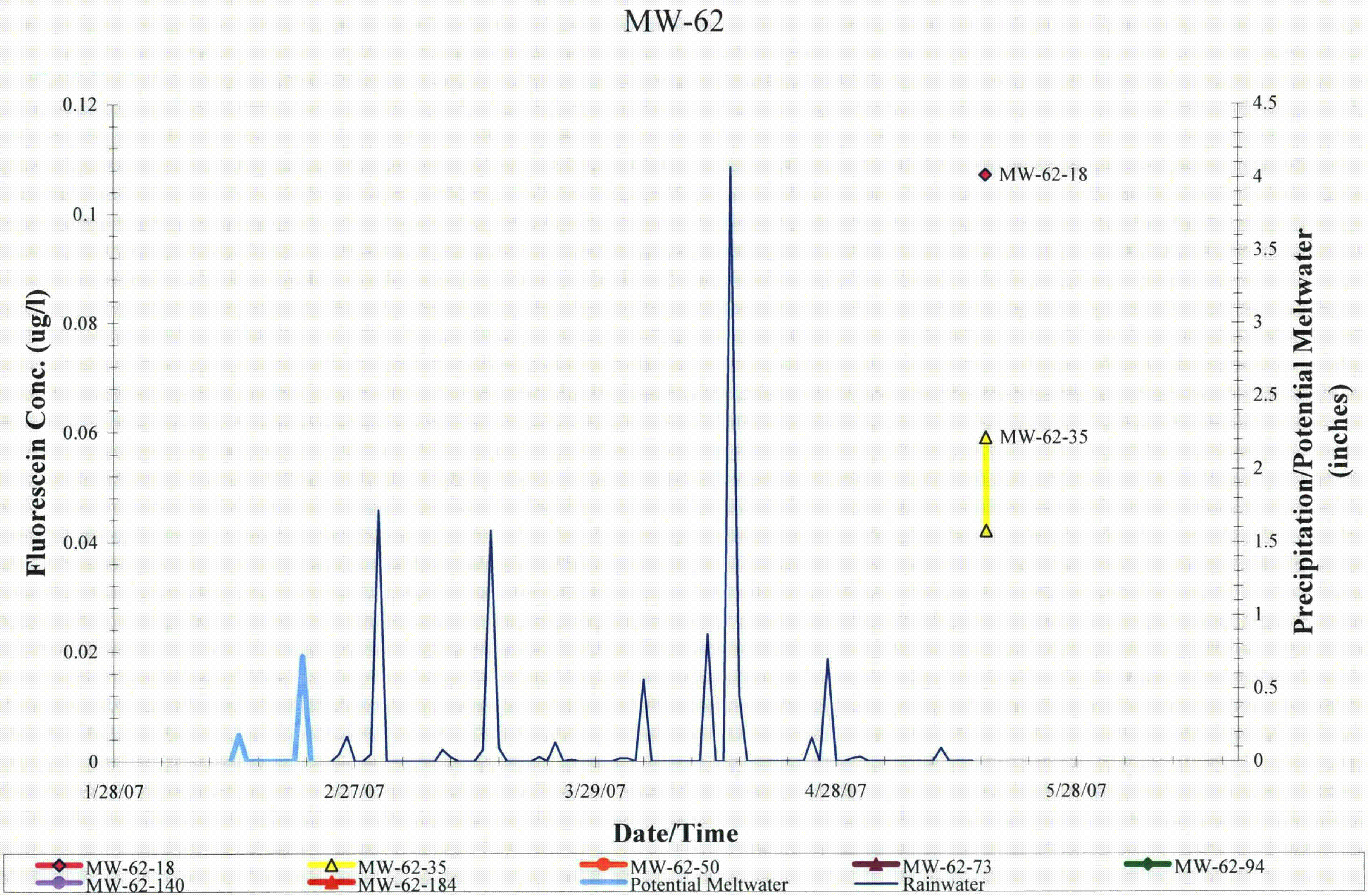
Fluorescein Conc. (ug/l)
600
500
400
300
200
100
0
Precipitation/Potential Meltwater (inches)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
1/28/07
2/27/07
3/29/07
4/28/07
5/28/07
Date/Time
Fluorescein
Potential Meltwater
Rainwater

MW-57-20

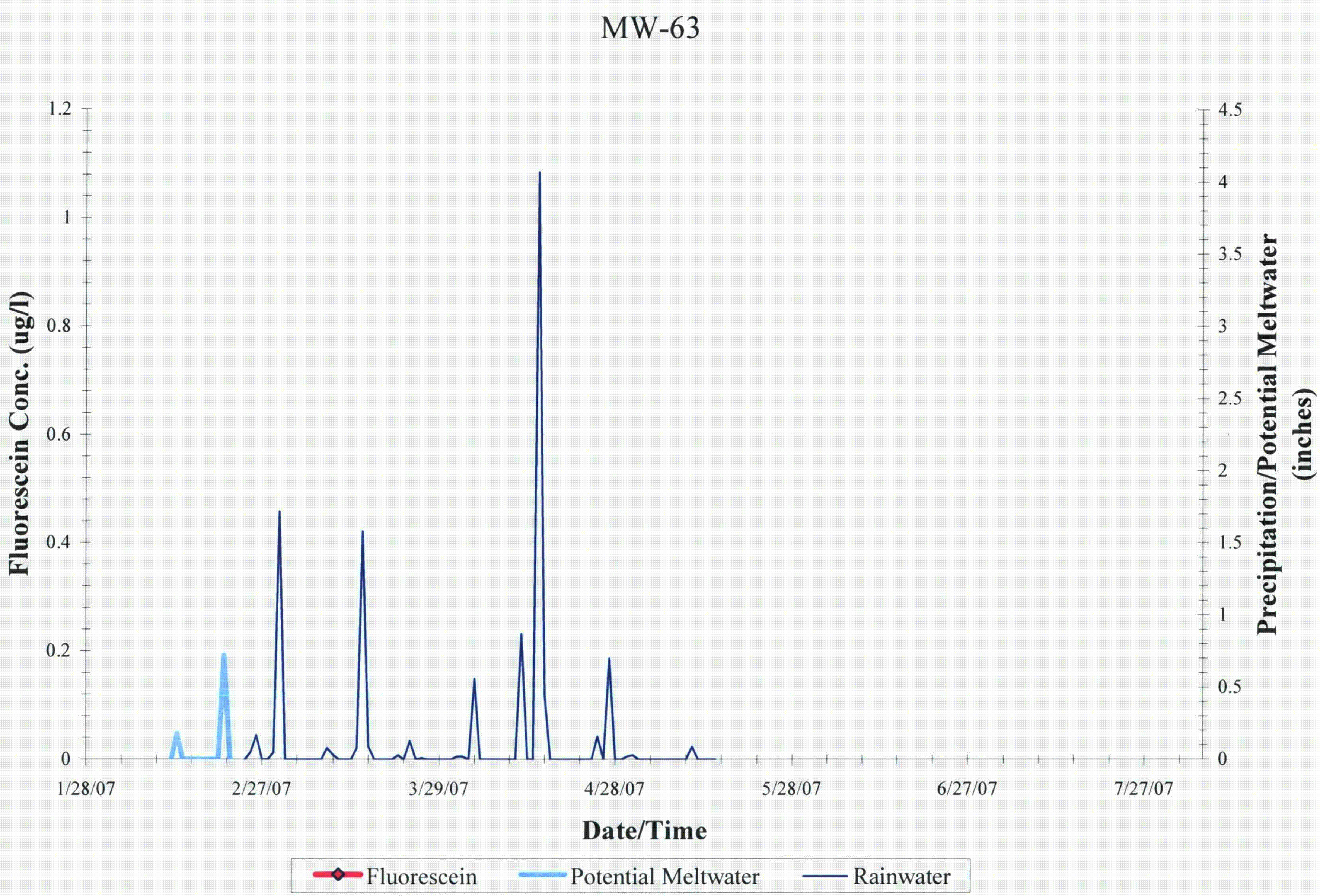


1.2
1
0.8
0.6
0.4
0.2
0
Fluorescein Conc. (ug/l)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
Precipitation/Potential Meltwater (inches)
1/28/07
2/27/07
3/29/07
4/28/07
5/28/07
Date/Time
Fluorescein
Potential Meltwater
Rainwater


MW-60
Fluorescein Conc. (ug/l)
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
Precipitation/Potential Meltwater (inches)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
MW-60-37
1/28/07
2/27/07
3/29/07
4/28/07
5/28/07
Date/Time
MW-60-37
MW-60-54
MW-60-74
MW-60-137
MW-60-156
MW-60-178
Potential Meltwater
Rainwater

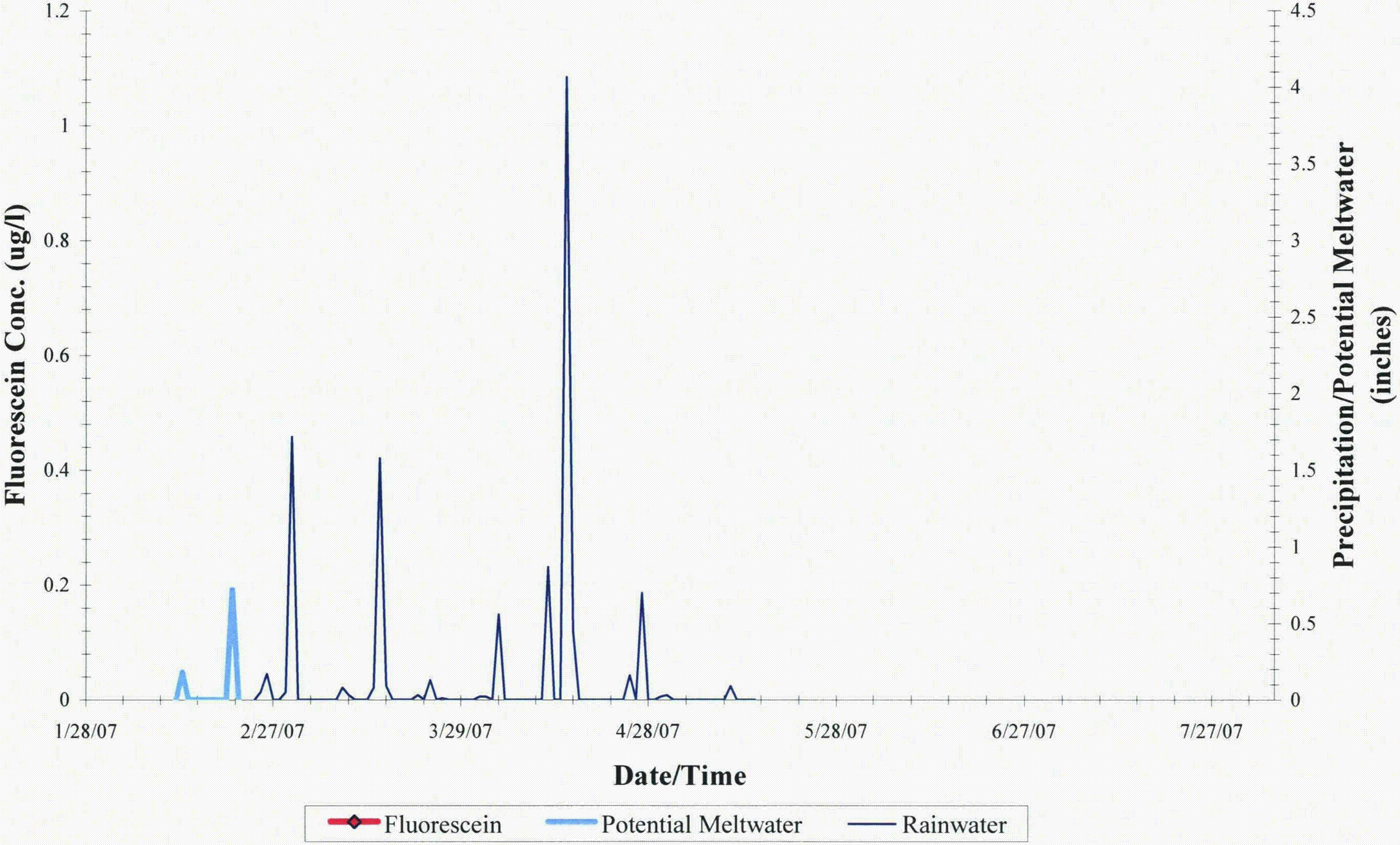


MW-62
Fluorescein Conc. (ug/l)
0.12
0.1
0.08
0.06
0.04
0.02
0
Precipitation/Potential Meltwater (inches)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
MW-62-18
MW-62-35
1/28/07
2/27/07
3/29/07
4/28/07
5/28/07
Date/Time
MW-62-18
MW-62-35
MW-62-50
MW-62-73
MW-62-94
MW-62-140
MW-62-184
Potential Meltwater
Rainwater

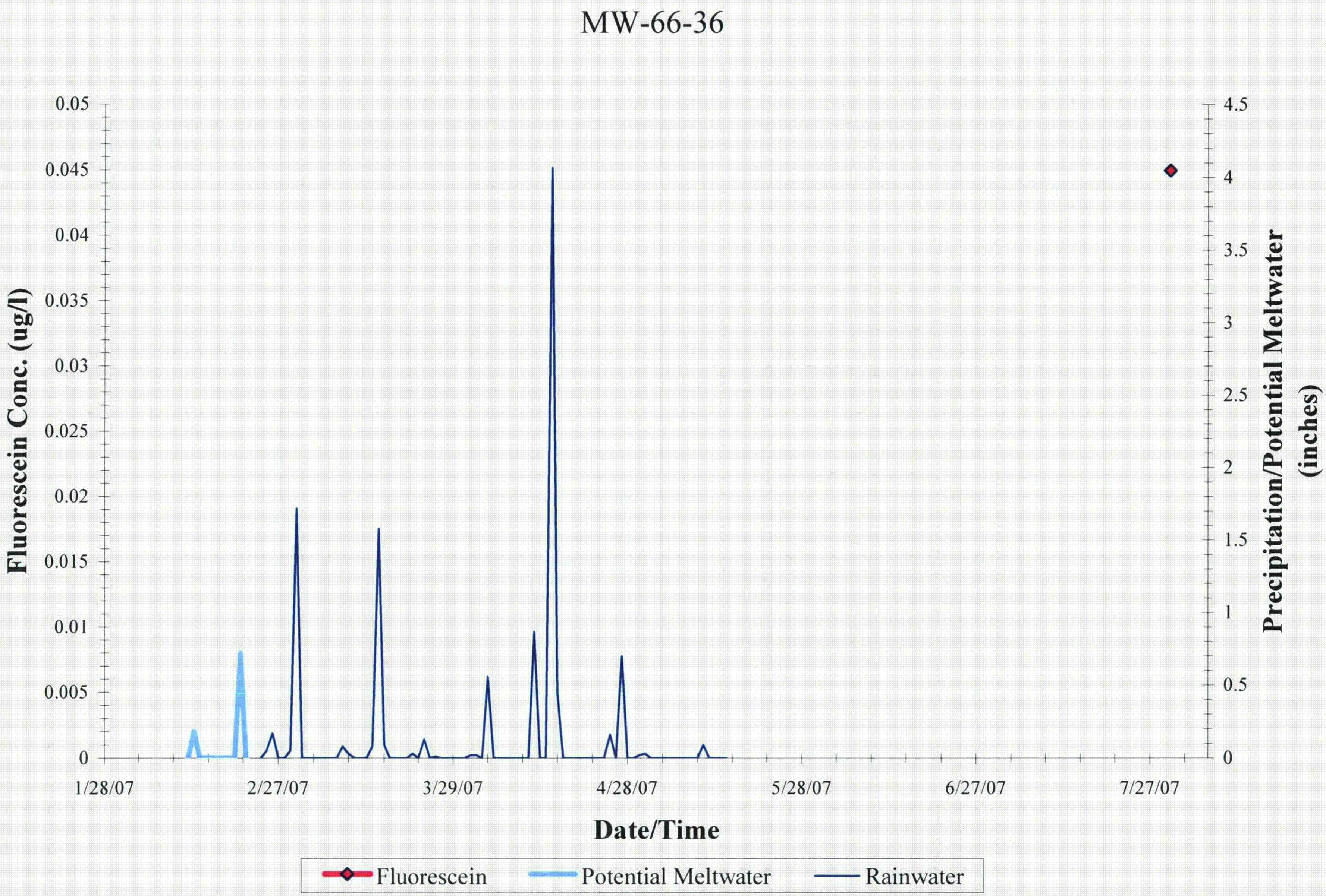


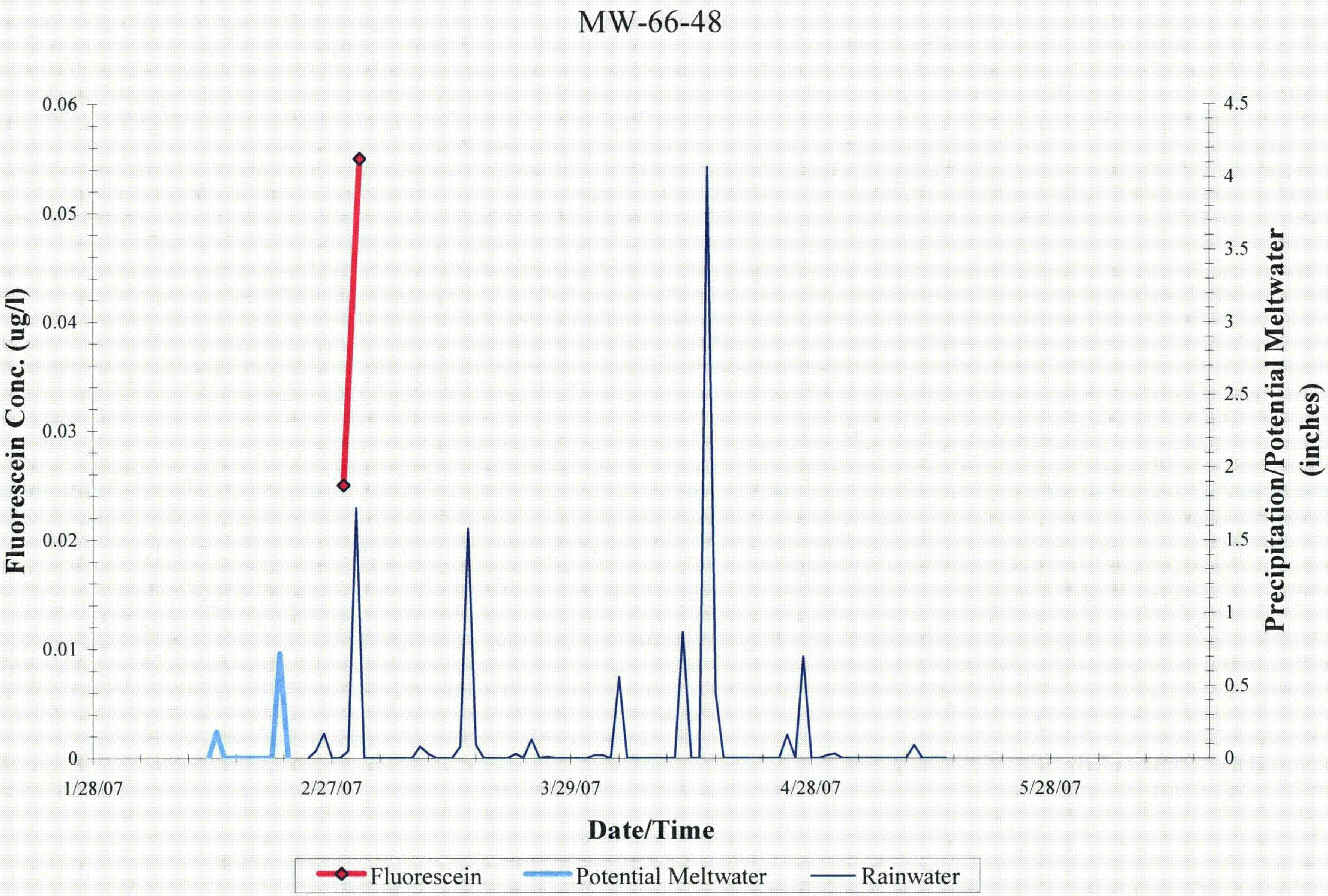
MW-63
Fluorescein Conc. (ug/l)
1.2
1
0.8
0.6
0.4
0.2
0
Precipitation/Potential Meltwater (inches)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
1/28/07
2/27/07
3/29/07
4/28/07
5/28/07
6/27/07
7/27/07
Date/Time
Fluorescein
Potential Meltwater
Rainwater

MW-66-21

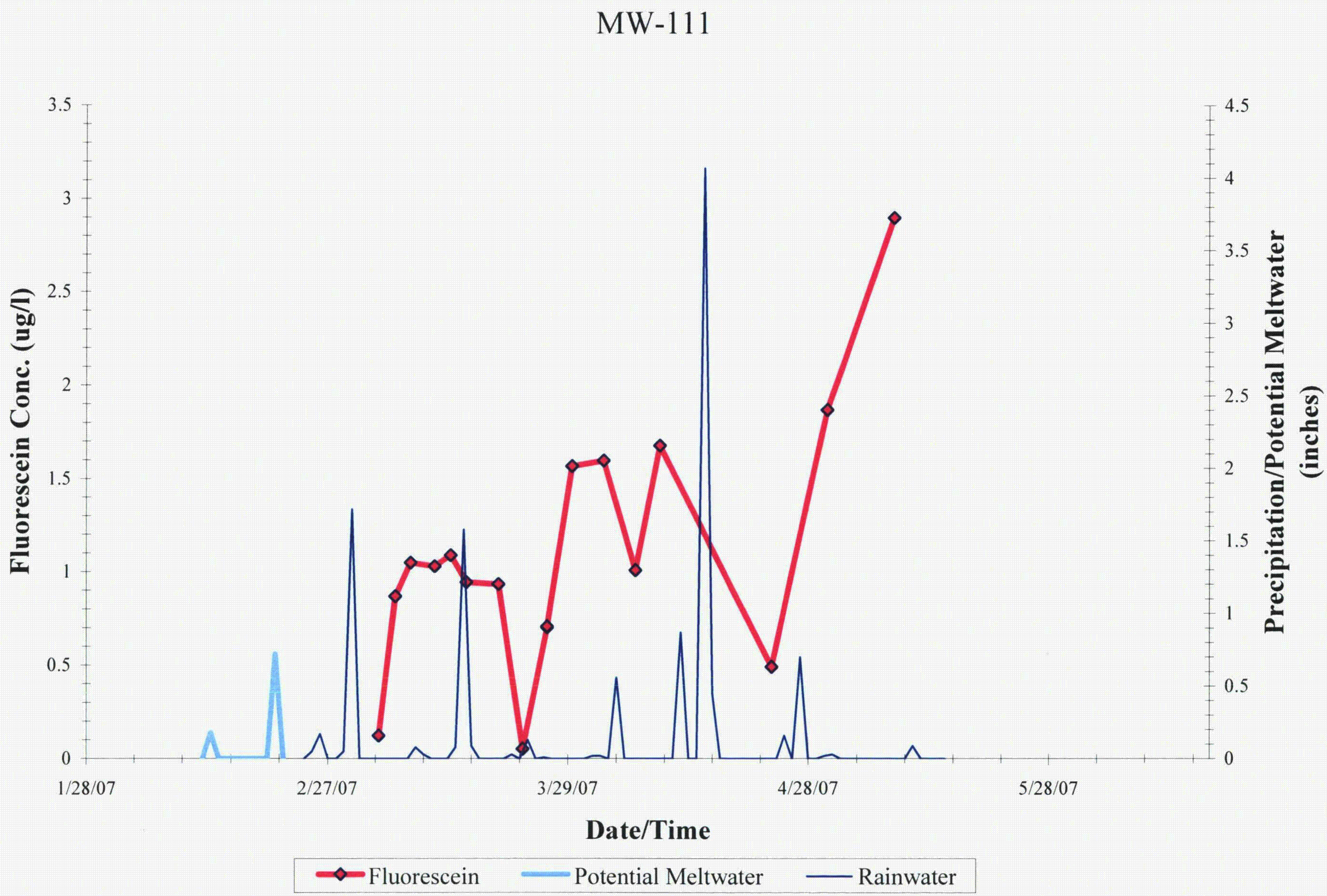


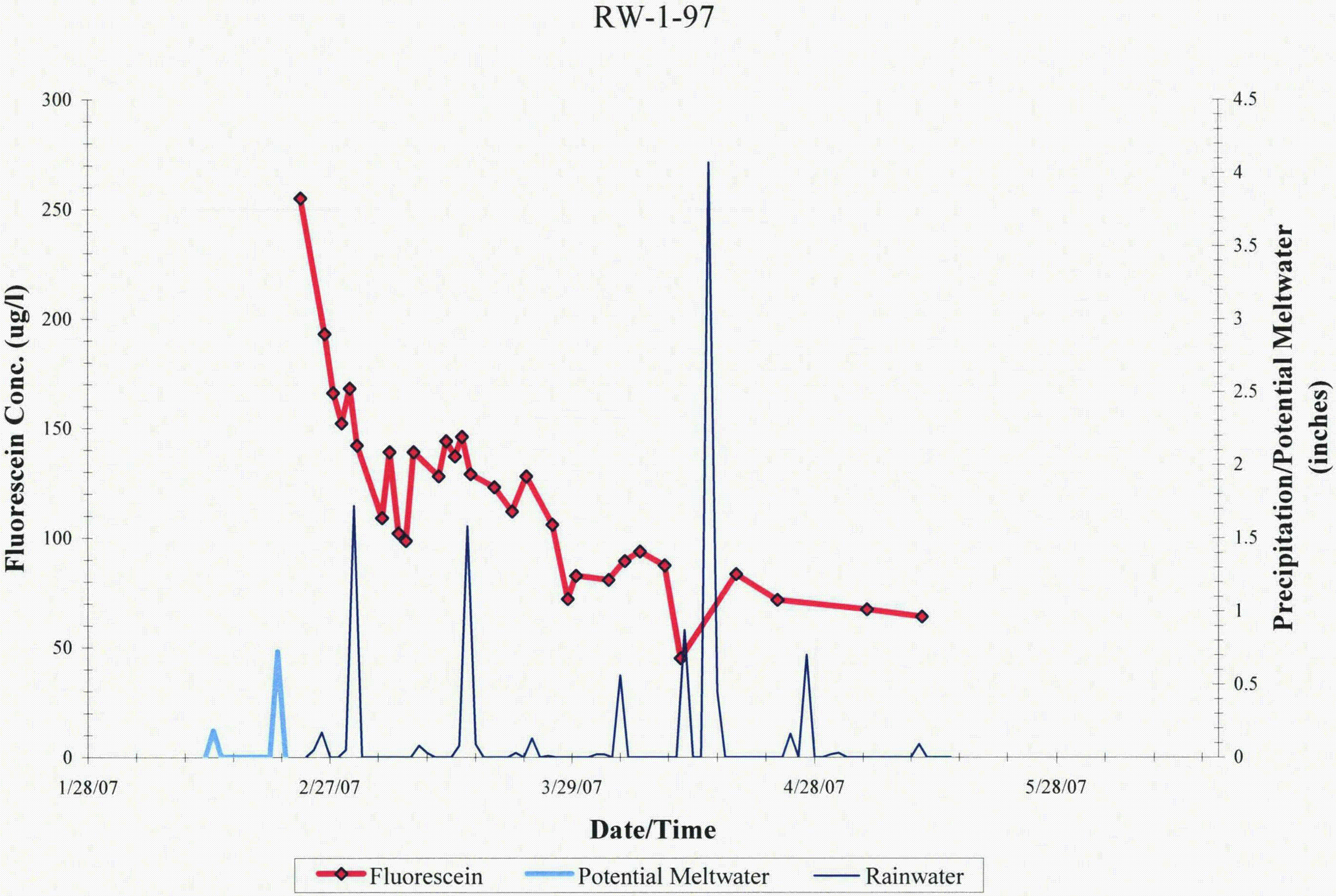
Fluorescein Conc. (ug/l)
1.2
1
0.8
0.6
0.4
0.2
0
Precipitation/Potential Meltwater (inches)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
1/28/07
2/27/07
3/29/07
4/28/07
5/28/07
6/27/07
7/27/07
Date/Time
Fluorescein
Potential Meltwater
Rainwater


MW-66-36
Fluorescein Conc. (ug/l)
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
Precipitation/Potential Meltwater (inches)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
1/28/07
2/27/07
3/29/07
4/28/07
5/28/07
6/27/07
7/27/07
Date/Time
Fluorescein
Potential Meltwater
Rainwater

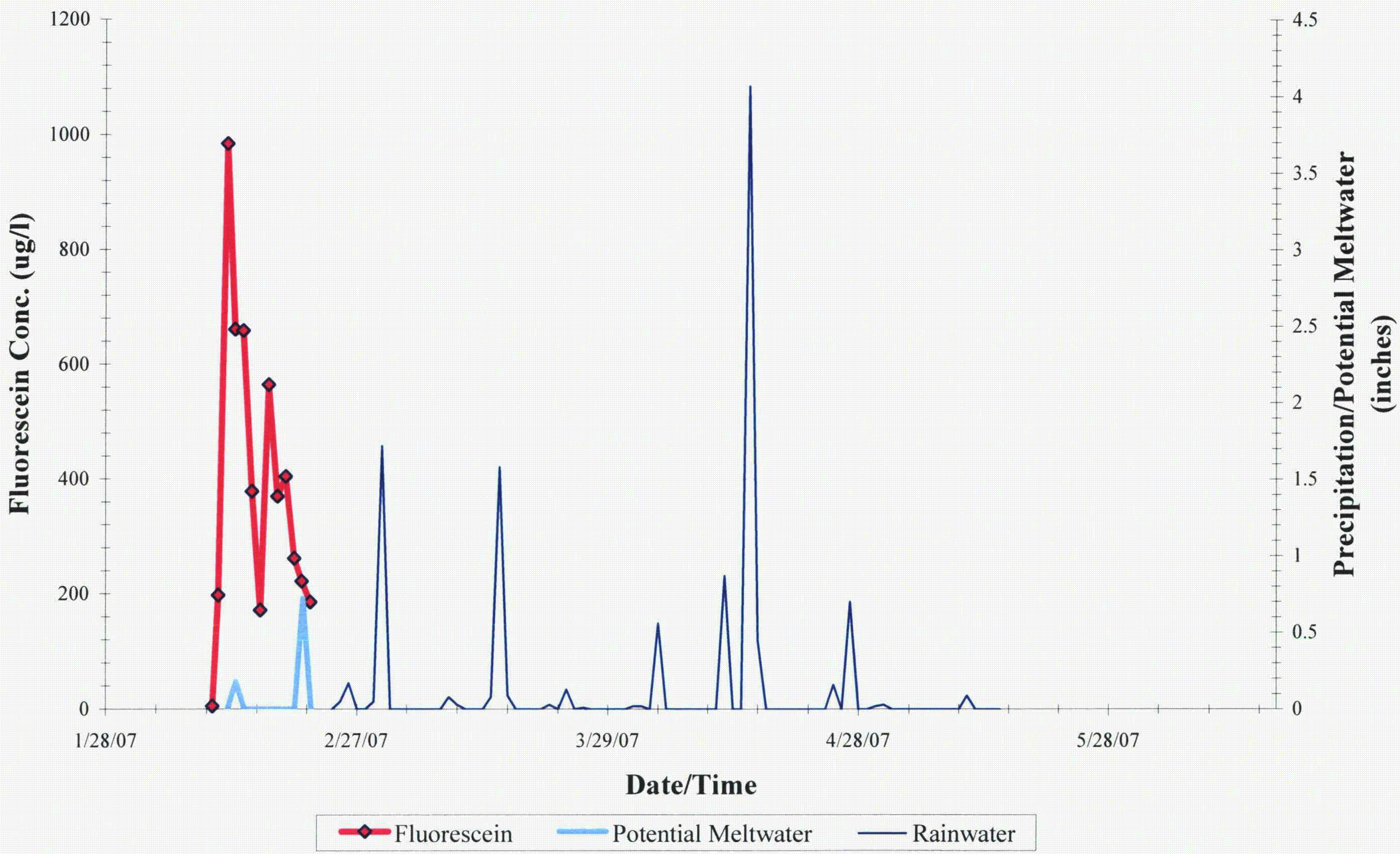


MW-66-48
0.06
0.05
0.04
0.03
0.02
0.01
0
Fluorescein Conc. (ug/l)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
Precipitation/Potential Meltwater (inches)
1/28/07
2/27/07
3/29/07
4/28/07
5/28/07
Date/Time
Fluorescein
Potential Meltwater
Rainwater

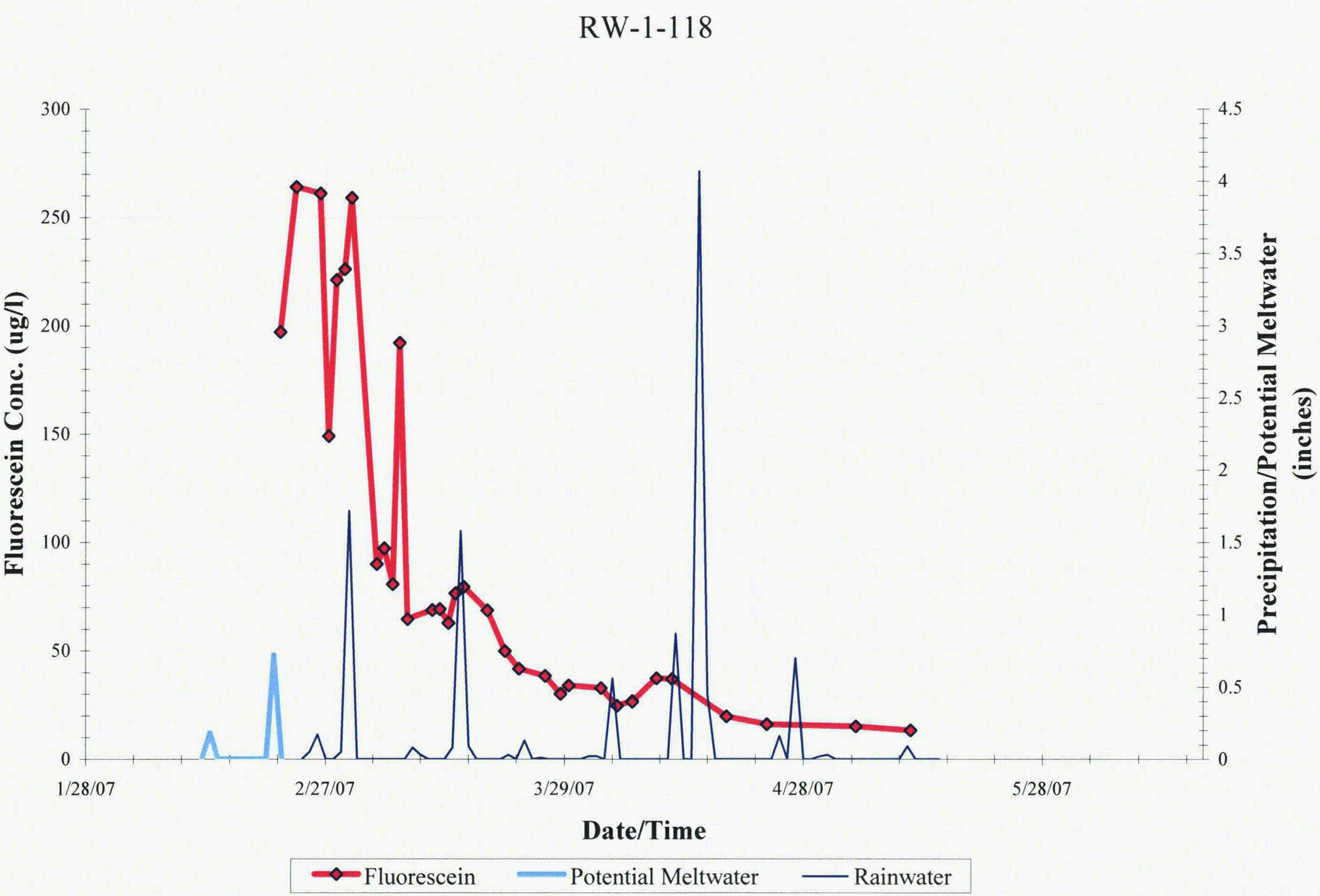

MW-111
Fluorescein Conc. (ug/l)
Precipitation/Potential Meltwater (inches)
Date/Time
1/28/07
2/27/07
3/29/07
4/28/07
5/28/07
0
0.5
1
1.5
2
2.5
3
3.5
4
4.5
Fluorescein
Potential Meltwater
Rainwater


RW-1-97
Fluorescein Conc. (ug/l)
300
250
200
150
100
50
0
Precipitation/Potential Meltwater (inches)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
1/28/07
2/27/07
3/29/07
4/28/07
5/28/07
Date/Time
Fluorescein
Potential Meltwater
Rainwater

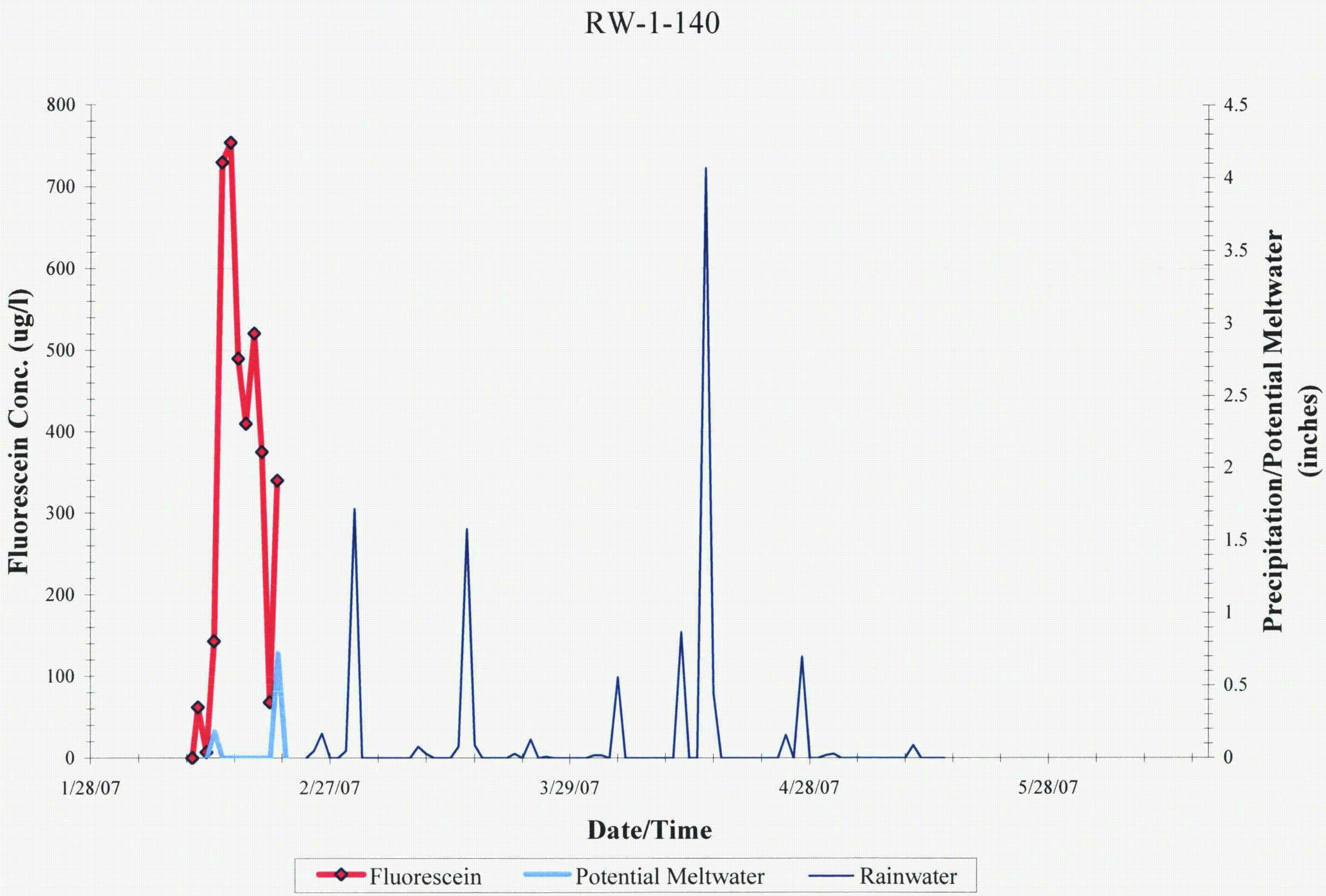
RW-1-110



1200
1000
800
600
400
200
0
Fluorescein Conc. (ug/l)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
Precipitation/Potential Meltwater (inches)
1/28/07
2/27/07
3/29/07
4/28/07
5/28/07
Date/Time
Fluorescein
Potential Meltwater
Rainwater



RW-1-118
Fluorescein Conc. (ug/l)
300
250
200
150
100
50
0
Precipitation/Potential Meltwater (inches)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
1/28/07
2/27/07
3/29/07
4/28/07
5/28/07
Date/Time
Fluorescein
Potential Meltwater
Rainwater


RW-1-140
Fluorescein Conc. (ug/l)
800
700
600
500
400
300
200
100
0
Precipitation/Potential Meltwater (inches)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
1/28/07
2/27/07
3/29/07
4/28/07
5/28/07
Date/Time
Fluorescein
Potential Meltwater
Rainwater

**Results**

**Charcoal Samplers**

**Table 1. Results for charcoal samplers analyzed for the presence of fluorescein, eosine and rhodamine WT (RWT) dyes. Peak wavelengths** are reported in nanometers (nm); dye concentrations are reported in parts per billion (ppb).

Results reported through 8/3/07

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| **Q0766** | **10** | **CB5 (control point)** | **11/13/06 1437** | **11/20/06 0804** | **ND** | | **ND** | | **ND** | |
| Q0996 | 10 | CB5 (control point) | 11/20/06 0804 | 11/28/06 1335 | ND | | ND | | ND | |
| **Q0767** | **20** | **CB24 (control point)** | **11/13/06 1450** | **11/20/06 0758** | **516.2 *** | **0.434** | **ND** | | **571.8 *** | **2.95** |
| Q0767D | 20 | CB24 (control point) | 11/13/06 1450 | 11/20/06 0758 | 516.3 * | 1.49 | ND | | 570.6 * | 2.71 |
| Q0997 | 20 | CB24 (control point) | 11/20/06 0758 | 11/28/06 1330 | 512.6 * | 0.347 | ND | | ND | |
| Q0997D | 20 | CB24 (control point) | 11/20/06 0758 | 11/28/06 1330 | ND | | ND | | ND | |
| **Q0768** | **30** | **Hudson River downstream** | **11/14/06 1109** | **11/20/06 1101** | **516.4 *** | **0.508** | **ND** | | **572.0 *** | **1.60** |
| Q0998 | 30 | Hudson River downstream | 11/20/06 1101 | 11/27/06 1327 | 519.4 * | 0.476 | ND | | ND | |
| Q1221 | 30 | Hudson River downstream | 11/27/06 1327 | 12/4/06 0846 | ND | | ND | | ND | |
| Q1221D | 30 | Hudson River downstream | 11/27/06 1327 | 12/4/06 0846 | ND | | ND | | ND | |
| Q2070 | 30 | Hudson River downstream | 1/23/07 1155 | 2/2/07 1037 | 514.4 * | 0.405 | ND | | ND | |
| Q2469 | 30 | Hudson River downstream | 2/2/07 1037 | 2/8/07 1530 | 515.3 * | 0.419 | ND | | ND | |
| Q2398 | 30 | Hudson River downstream | 2/8/07 1530 | 2/9/07 1348 | ND | | ND | | ND | |
| Q2551 | 30 | Hudson River downstream | 2/9/07 1348 | 2/10/07 1248 | ND | | ND | | ND | |
| Q2514 | 30 | Hudson River downstream | 2/10/07 1248 | 2/11/07 1055 | ND | | ND | | ND | |
| Q2635 | 30 | Hudson River downstream | 2/11/07 1055 | 2/12/07 1429 | ND | | ND | | ND | |
| Q2850 | 30 | Hudson River downstream | 2/12/07 1429 | 2/13/07 1130 | ND | | ND | | ND | |
| Q2908 | 30 | Hudson River downstream | 2/13/07 1130 | 2/14/07 1156 | ND | | ND | | ND | |
| Q3229 | 30 | Hudson River downstream | 2/14/07 1156 | 2/16/07 1048 | ND | | ND | | ND | |
| Q3295 | 30 | Hudson River downstream | 2/16/07 1048 | 2/19/07 1155 | 516.2 * | 0.361 | ND | | ND | |
| Q3492 | 30 | Hudson River downstream | 2/19/07 1155 | 2/21/07 1435 | ND | | ND | | ND | |
| Q3838 | 30 | Hudson River downstream | 2/21/07 1435 | 2/23/07 1317 | ND | | ND | | ND | |
| Q3581 | 30 | Hudson River downstream | 2/23/07 1317 | 2/26/07 1405 | ND | | ND | | ND | |
| Q3929 | 30 | Hudson River downstream | 2/26/07 1405 | 2/28/07 1455 | ND | | ND | | ND | |
| Q3929D | 30 | Hudson River downstream | 2/26/07 1405 | 2/28/07 1455 | ND | | ND | | ND | |
| Q4154 | 30 | Hudson River downstream | 2/28/07 1455 | 3/2/07 1415 | ND | | ND | | ND | |
| Q4172 | 30 | Hudson River downstream | 3/2/07 1415 | 3/5/07 1505 | ND | | ND | | ND | |
| Q4172D | 30 | Hudson River downstream | 3/2/07 1415 | 3/5/07 1505 | 515.6 * | 0.382 | ND | | ND | |
| Q4543 | 30 | Hudson River downstream | 3/5/07 1505 | 3/7/07 1615 | ND | | ND | | ND | |
| Q4730 | 30 | Hudson River downstream | 3/7/07 1615 | 3/9/07 1330 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q4781 | 30 | Hudson River downstream | 3/9/07 1330 | 3/12/07 1355 | ND | | ND | | ND | |
| Q5041 | 30 | Hudson River downstream | 3/12/07 1355 | 3/14/07 1432 | ND | | ND | | ND | |
| Q5443 | 30 | Hudson River downstream | 3/14/07 1432 | 3/16/07 1025 | ND | | ND | | ND | |
| Q5443D | 30 | Hudson River downstream | 3/14/07 1432 | 3/16/07 1025 | ND | | ND | | ND | |
| Q5326 | 30 | Hudson River downstream | 3/16/07 1025 | 3/19/07 1423 | 515.0 * | 0.426 | ND | | ND | |
| Q5326D | 30 | Hudson River downstream | 3/16/07 1025 | 3/19/07 1423 | 514.4 * | 0.440 | ND | | ND | |
| Q5651 | 30 | Hudson River downstream | 3/19/07 1423 | 3/23/07 1415 | ND | | ND | | ND | |
| Q5752 | 30 | Hudson River downstream | 3/23/07 1415 | 3/26/07 1419 | 514.4 * | 0.613 | ND | | ND | |
| Q6139 | 30 | Hudson River downstream | 3/26/07 1419 | 3/29/07 1430 | ND | | ND | | ND | |
| Q6139D | 30 | Hudson River downstream | 3/26/07 1419 | 3/29/07 1430 | ND | | ND | | ND | |
| Q6289 | 30 | Hudson River downstream | 3/29/07 1430 | 4/2/07 1405 | ND | | ND | | ND | |
| Q6522 | 30 | Hudson River downstream | 4/2/07 1405 | 4/6/07 1400 | ND | | ND | | ND | |
| Q6683 | 30 | Hudson River downstream | 4/6/07 1400 | 4/10/07 1408 | ND | | ND | | ND | |
| Q6976 | 30 | Hudson River downstream | 4/10/07 1408 | 4/17/07 1532 | ND | | ND | | ND | |
| Q7293 | 30 | Hudson River downstream | 4/17/07 1532 | 4/24/07 1453 | ND | | ND | | ND | |
| Q7581 | 30 | Hudson River downstream | 4/24/07 1453 | 5/1/07 1310 | ND | | ND | | ND | |
| Q8208 | 30 | Hudson River downstream | 5/3/07 1510 | 5/10/07 1120 | ND | | ND | | ND | |
| **Q0999** | **40** | **Hudson River upstream** | **11/22/06 0905** | **11/28/06 1010** | **ND** | | **ND** | | **ND** | |
| Q0999D | 40 | Hudson River upstream | 11/22/06 0905 | 11/28/06 1010 | ND | | ND | | ND | |
| Q2045 | 40 | Hudson River upstream | 1/23/07 1045 | 2/1/07 1025 | 515.4 * | 0.361 | ND | | ND | |
| Q7393 | 40 | Hudson River upstream | 4/19/07 1340 | 4/26/07 1011 | ND | | ND | | ND | |
| Q8064 | 40 | Hudson River upstream | 4/26/07 1011 | 5/8/07 1030 | ND | | ND | | ND | |
| **Q0769** | **60** | **MH2** | **11/13/06 1357** | **11/20/06 0824** | **ND** | | **ND** | | **569.4 *** | **1.50** |
| Q1001 | 60 | MH2 | 11/20/06 0824 | 11/28/06 0815 | ND | | ND | | ND | |
| Q3926 | 60 | MH2 | 2/26/07 1302 | 2/28/07 1135 | ND | | ND | | ND | |
| Q4128 | 60 | MH2 | 2/28/07 1135 | 3/2/07 1033 | ND | | ND | | ND | |
| Q4128D | 60 | MH2 | 2/28/07 1135 | 3/2/07 1033 | ND | | ND | | ND | |
| Q4232 | 60 | MH2 | 3/2/07 1033 | 3/5/07 0926 | ND | | ND | | ND | |
| Q4605 | 60 | MH2 | 3/5/07 0926 | 3/7/07 1114 | ND | | ND | | ND | |
| Q4719 | 60 | MH2 | 3/7/07 1114 | 3/9/07 0742 | ND | | ND | | ND | |
| Q4719D | 60 | MH2 | 3/7/07 1114 | 3/9/07 0742 | ND | | ND | | ND | |
| Q4835 | 60 | MH2 | 3/9/07 0742 | 3/12/07 0925 | ND | | ND | | ND | |
| Q5007 | 60 | MH2 | 3/12/07 0925 | 3/14/07 0900 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q5409 | 60 | MH2 | 3/14/07 0900 | 3/16/07 0811 | ND | | ND | | ND | |
| Q5364 | 60 | MH2 | 3/16/07 0811 | 3/19/07 1135 | ND | | ND | | ND | |
| Q5689 | 60 | MH2 | 3/19/07 1135 | 3/23/07 0903 | ND | | ND | | ND | |
| Q5789 | 60 | MH2 | 3/23/07 0903 | 3/26/07 1132 | ND | | ND | | ND | |
| Q6105 | 60 | MH2 | 3/26/07 1132 | 3/29/07 1419 | ND | | ND | | ND | |
| Q6254 | 60 | MH2 | 3/29/07 1419 | 4/2/07 1045 | ND | | ND | | ND | |
| Q6558 | 60 | MH2 | 4/2/07 1045 | 4/6/07 0809 | ND | | ND | | ND | |
| Q6648 | 60 | MH2 | 4/6/07 0809 | 4/9/07 0850 | ND | | ND | | ND | |
| Q6943 | 60 | MH2 | 4/9/07 0850 | 4/16/07 0902 | ND | | ND | | ND | |
| Q7208 | 60 | MH2 | 4/16/07 0902 | 4/23/07 0824 | ND | | ND | | ND | |
| Q7461 | 60 | MH2 | 4/23/07 0824 | 4/30/07 0745 | ND | | ND | | ND | |
| Q8038 | 60 | MH2 | 5/3/07 0843 | 5/8/07 1441 | ND | | ND | | ND | |
| **Q0770** | **80** | **MH4** | **11/14/06 0838** | **11/20/06 0832** | **514.9** | **1.64** | **ND** | | **ND** | |
| Q1002 | 80 | MH4 | 11/20/06 0832 | 11/28/06 0810 | 515.1 | 2.17 | ND | | ND | |
| Q1002D | 80 | MH4 | 11/20/06 0832 | 11/28/06 0810 | 515.0 | 2.17 | ND | | ND | |
| Q3927 | 80 | MH4 | 2/26/07 1243 | 2/28/07 1007 | 515.9 | 883 | ND | | ND | |
| Q4129 | 80 | MH4 | 2/28/07 1007 | 3/2/07 0940 | 515.3 | 28.2 | ND | | ND | |
| Q4233 | 80 | MH4 | 3/2/07 0940 | 3/5/07 0906 | 515.5 | 8.42 | ND | | ND | |
| Q4233D | 80 | MH4 | 3/2/07 0940 | 3/5/07 0906 | 515.7 | 241 | ND | | ND | |
| Q4606 | 80 | MH4 | 3/5/07 0906 | 3/7/07 1051 | 515.4 | 3.80 | ND | | ND | |
| Q4606D | 80 | MH4 | 3/5/07 0906 | 3/7/07 1051 | 516.0 | 1.10 | ND | | ND | |
| Q4721 | 80 | MH4 | 3/7/07 1051 | 3/9/07 0754 | 513.4 ** | 1.01 | ND | | ND | |
| Q4721D | 80 | MH4 | 3/7/07 1051 | 3/9/07 0754 | 515.9 | 2.06 | ND | | ND | |
| Q4836 | 80 | MH4 | 3/9/07 0754 | 3/12/07 0845 | 515.4 | 11.2 | ND | | ND | |
| Q4836D | 80 | MH4 | 3/9/07 0754 | 3/12/07 0845 | 516.0 | 977 | ND | | ND | |
| Q5008 | 80 | MH4 | 3/12/07 0845 | 3/14/07 0830 | ND | | ND | | ND | |
| Q5008D | 80 | MH4 | 3/12/07 0845 | 3/14/07 0830 | ND | | ND | | ND | |
| Q5410 | 80 | MH4 | 3/14/07 0830 | 3/16/07 0820 | 515.7 | 15.8 | ND | | ND | |
| Q5365 | 80 | MH4 | 3/16/07 0820 | 3/19/07 1102 | 516.2 | 1.03 | ND | | ND | |
| Q5690 | 80 | MH4 | 3/19/07 1102 | 3/23/07 0819 | 515.3 | 41.4 | ND | | ND | |
| Q5790 | 80 | MH4 | 3/23/07 0819 | 3/26/07 0844 | 516.4 | 2,730 | ND | | ND | |
| Q6106 | 80 | MH4 | 3/26/07 0844 | 3/29/07 1141 | 514.7 | 3.23 | ND | | ND | |
| Q6255 | 80 | MH4 | 3/29/07 1141 | 4/2/07 0855 | 516.1 | 3,160 | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q6559 | 80 | MH4 | 4/2/07 0855 | 4/6/07 0842 | 516.5 | 916 | ND | | ND | |
| Q6649 | 80 | MH4 | 4/6/07 0842 | 4/9/07 0838 | ND | | ND | | ND | |
| Q6649D | 80 | MH4 | 4/6/07 0842 | 4/9/07 0838 | ND | | ND | | ND | |
| Q6944 | 80 | MH4 | 4/9/07 0838 | 4/16/07 0913 | 516.5 | 2,580 | ND | | ND | |
| Q7209 | 80 | MH4 | 4/16/07 0913 | 4/23/07 0839 | 515.3 | 33.0 | ND | | ND | |
| Q7209D | 80 | MH4 | 4/16/07 0913 | 4/23/07 0839 | 515.3 | 124 | ND | | ND | |
| Q7462 | 80 | MH4 | 4/23/07 0839 | 4/30/07 0759 | 515.5 | 17.4 | ND | | ND | |
| Q8039 | 80 | MH4 | 5/4/07 1009 | 5/8/07 1452 | 515.0 ** | 1.15 | ND | | ND | |
| **Q3928** | **90** | **MH4A** | **2/26/07 1255** | **2/28/07 1017** | **ND** | | **ND** | | **ND** | |
| Q4130 | 90 | MH4A | 2/28/07 1017 | 3/2/07 0945 | ND | | ND | | ND | |
| Q4130D | 90 | MH4A | 2/28/07 1017 | 3/2/07 0945 | ND | | ND | | ND | |
| Q4234 | 90 | MH4A | 3/2/07 0945 | 3/5/07 0902 | ND | | ND | | ND | |
| Q4607 | 90 | MH4A | 3/5/07 0902 | 3/7/07 1040 | ND | | ND | | ND | |
| Q4722 | 90 | MH4A | 3/7/07 1040 | 3/9/07 0816 | ND | | ND | | ND | |
| Q4722D | 90 | MH4A | 3/7/07 1040 | 3/9/07 0816 | ND | | ND | | ND | |
| Q4837 | 90 | MH4A | 3/9/07 0816 | 3/12/07 0850 | ND | | ND | | ND | |
| Q5009 | 90 | MH4A | 3/12/07 0850 | 3/14/07 0849 | ND | | ND | | ND | |
| Q5411 | 90 | MH4A | 3/14/07 0849 | 3/16/07 0754 | ND | | ND | | ND | |
| Q5366 | 90 | MH4A | 3/16/07 0754 | 3/20/07 0800 | ND | | ND | | ND | |
| Q5691 | 90 | MH4A | 3/20/07 0800 | 3/23/07 0815 | ND | | ND | | ND | |
| Q5791 | 90 | MH4A | 3/23/07 0815 | 3/26/07 0913 | ND | | ND | | ND | |
| Q6107 | 90 | MH4A | 3/26/07 0913 | 3/29/07 1140 | ND | | ND | | ND | |
| Q6256 | 90 | MH4A | 3/29/07 1114 | 4/2/07 0846 | ND | | ND | | ND | |
| Q6561 | 90 | MH4A | 4/2/07 0846 | 4/6/07 0831 | ND | | ND | | ND | |
| Q6650 | 90 | MH4A | 4/6/07 0831 | 4/9/07 0909 | ND | | ND | | ND | |
| Q6945 | 90 | MH4A | 4/9/07 0909 | 4/17/07 1127 | ND | | ND | | ND | |
| Q7210 | 90 | MH4A | 4/17/07 1127 | 4/23/07 0851 | ND | | ND | | ND | |
| Q7463 | 90 | MH4A | 4/23/07 0851 | 4/30/07 0807 | ND | | ND | | ND | |
| Q8041 | 90 | MH4A | 5/3/07 0853 | 5/8/07 1502 | ND | | ND | | ND | |
| **Q0771** | **100** | **MH5** | **11/14/06 1415** | **11/20/06 1000** | **514.2** | **0.919** | **ND** | | **ND** | |
| Q1003 | 100 | MH5 | 11/20/06 1000 | 11/27/06 0858 | 514.9 | 1.56 | ND | | ND | |
| Q1222 | 100 | MH5 | 11/28/06 0808 | 12/5/06 1030 | 516.0 | 0.970 | ND | | ND | |
| Q2046 | 100 | MH5 | 1/15/07 1320 | 2/1/07 0910 | 515.8 | 1.50 | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q2046D | 100 | MH5 | 1/15/07 1320 | 2/1/07 0910 | 515.4 | 1.25 | ND | | ND | |
| Q2434 | 100 | MH5 | 2/1/07 0910 | 2/8/07 1020 | 516.0 | 0.992 | ND | | ND | |
| Q2375 | 100 | MH5 | 2/8/07 1020 | 2/9/07 1100 | 515.4 * | 0.380 | ND | | ND | |
| Q2375D | 100 | MH5 | 2/8/07 1020 | 2/9/07 1100 | 514.5 * | 0.378 | ND | | ND | |
| Q2492 | 100 | MH5 | 2/9/07 1100 | 2/10/07 0853 | 516.2 | 1.18 | ND | | ND | |
| Q2492D | 100 | MH5 | 2/9/07 1100 | 2/10/07 0853 | 516.4 * | 0.373 | ND | | ND | |
| Q2586 | 100 | MH5 | 2/10/07 0853 | 2/11/07 0825 | 516.2 | 1.39 | ND | | ND | |
| Q2586D | 100 | MH5 | 2/10/07 0853 | 2/11/07 0825 | ND | | ND | | ND | |
| Q2612 | 100 | MH5 | 2/11/07 0825 | 2/12/07 0855 | 515.5 | 19.1 | ND | | ND | |
| Q2612D | 100 | MH5 | 2/11/07 0825 | 2/12/07 0855 | 515.5 | 23.5 | ND | | ND | |
| Q2827 | 100 | MH5 | 2/12/07 0855 | 2/13/07 0845 | 516.3 | 378 | ND | | ND | |
| Q2827D | 100 | MH5 | 2/12/07 0855 | 2/13/07 0845 | 515.6 | 285 | ND | | ND | |
| Q2885 | 100 | MH5 | 2/13/07 0845 | 2/14/07 0830 | 515.9 | 637 | ND | | ND | |
| Q2885D | 100 | MH5 | 2/13/07 0845 | 2/14/07 0830 | 516.1 | 944 | ND | | ND | |
| Q3207 | 100 | MH5 | 2/14/07 0830 | 2/16/07 0855 | 515.9 | 1,960 | ND | | ND | |
| Q3207D | 100 | MH5 | 2/14/07 0830 | 2/16/07 0855 | 516.2 | 1,250 | ND | | ND | |
| Q3330 | 100 | MH5 | 2/16/07 0855 | 2/19/07 0930 | 516.0 | 2,680 | ND | | ND | |
| Q3469 | 100 | MH5 | 2/19/07 0930 | 2/21/07 0843 | 515.3 | 4.59 | ND | | ND | |
| Q3815 | 100 | MH5 | 2/21/07 0743 | 2/23/07 0824 | 515.4 | 6.01 | ND | | ND | |
| Q3815D | 100 | MH5 | 2/21/07 0743 | 2/23/07 0824 | 514.7 | 16.1 | ND | | ND | |
| Q3557 | 100 | MH5 | 2/23/07 0824 | 2/26/07 1000 | 515.4 | 11.7 | ND | | ND | |
| Q3903 | 100 | MH5 | 2/26/07 1000 | 2/28/07 0957 | 515.2 | 9.03 | ND | | ND | |
| Q3903D | 100 | MH5 | 2/26/07 1000 | 2/28/07 0957 | 515.3 | 175 | ND | | ND | |
| Q4105 | 100 | MH5 | 2/28/07 0957 | 3/2/07 1000 | 515.6 | 10.2 | ND | | ND | |
| Q4105D | 100 | MH5 | 2/28/07 0957 | 3/2/07 1000 | 515.3 | 2.65 | ND | | ND | |
| Q4209D | 100 | MH5 | 3/2/07 1000 | 3/5/07 0813 | ND | | ND | | ND | |
| Q4209 | 100 | MH5 | 3/2/07 1000 | 3/5/07 0913 | ND | | ND | | ND | |
| Q4579 | 100 | MH5 | 3/5/07 0913 | 3/7/07 1046 | 515.1 | 29.6 | ND | | ND | |
| Q4579D | 100 | MH5 | 3/5/07 0913 | 3/7/07 1046 | 515.3 | 17.6 | ND | | ND | |
| Q4697 | 100 | MH5 | 3/7/07 1046 | 3/9/07 0820 | 515.3 | 188 | ND | | ND | |
| Q4697D | 100 | MH5 | 3/7/07 1046 | 3/9/07 0820 | 515.3 | 55.6 | ND | | ND | |
| Q4812 | 100 | MH5 | 3/9/07 0820 | 3/12/07 0906 | 516.4 | 0.878 | ND | | ND | |
| Q4812D | 100 | MH5 | 3/9/07 0820 | 3/12/07 0906 | 515.5 | 90.5 | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q5010 | 100 | MH5 | 3/12/07 0906 | 3/14/07 0853 | 514.9 | 66.5 | ND | | ND | |
| Q5412 | 100 | MH5 | 3/14/07 0853 | 3/16/07 0806 | 515.7 | 75.1 | ND | | ND | |
| Q5412D | 100 | MH5 | 3/14/07 0853 | 3/16/07 0806 | 515.5 | 40.6 | ND | | ND | |
| Q5367 | 100 | MH5 | 3/16/07 0806 | 3/19/07 1057 | 515.0 | 74.5 | ND | | ND | |
| Q5692 | 100 | MH5 | 3/19/07 1057 | 3/23/07 0826 | 515.3 | 34.4 | ND | | ND | |
| Q5692D | 100 | MH5 | 3/19/07 1057 | 3/23/07 0826 | 515.3 | 8.39 | ND | | ND | |
| Q5792 | 100 | MH5 | 3/23/07 0826 | 3/26/07 0854 | 515.1 | 241 | ND | | ND | |
| Q6108 | 100 | MH5 | 3/26/07 0854 | 3/29/07 1124 | 514.9 | 38.1 | ND | | ND | |
| Q6108D | 100 | MH5 | 3/26/07 0854 | 3/29/07 1124 | 515.2 | 125 | ND | | ND | |
| Q6257 | 100 | MH5 | 3/29/07 1124 | 4/2/07 0851 | 515.1 | 128 | ND | | ND | |
| Q6257D | 100 | MH5 | 3/29/07 1124 | 4/2/07 0851 | 515.1 | 62.8 | ND | | ND | |
| Q6562 | 100 | MH5 | 4/2/07 0851 | 4/6/07 0837 | 515.8 | 5.36 | ND | | ND | |
| Q6651 | 100 | MH5 | 4/6/07 0837 | 4/9/07 0904 | 515.5 | 5.10 | ND | | ND | |
| Q6651D | 100 | MH5 | 4/6/07 0837 | 4/9/07 0904 | 515.3 | 16.6 | ND | | ND | |
| Q6946 | 100 | MH5 | 4/9/07 0904 | 4/16/07 0922 | 515.4 | 40.8 | ND | | ND | |
| Q7211 | 100 | MH5 | 4/16/07 0922 | 4/23/07 0844 | 516.5 | 619 | ND | | ND | |
| Q7211D | 100 | MH5 | 4/16/07 0922 | 4/23/07 0844 | 515.2 | 195 | ND | | ND | |
| Q7464 | 100 | MH5 | 4/23/07 0844 | 4/30/07 0803 | 515.2 | 51.7 | ND | | ND | |
| Q8042 | 100 | MH5 | 5/3/07 0849 | 5/8/07 1456 | 516.8 * | 1.12 | ND | | ND | |
| Q8042D | 100 | MH5 | 5/3/07 0849 | 5/8/07 1456 | 514.8 * | 0.947 | ND | | ND | |
| **Q0772** | **120** | **MH6** | **11/13/06 1412** | **11/20/06 0837** | **ND** | | **ND** | | **ND** | |
| Q1004 | 120 | MH6 | 11/20/06 0837 | 11/28/06 0808 | ND | | ND | | ND | |
| Q1004D | 120 | MH6 | 11/20/06 0837 | 11/28/06 0808 | ND | | ND | | ND | |
| Q2071 | 120 | MH6 | 1/15/07 1314 | 2/1/07 0940 | ND | | ND | | ND | |
| Q2470 | 120 | MH6 | 2/1/07 0940 | 2/8/07 0826 | ND | | ND | | ND | |
| Q2470D | 120 | MH6 | 2/1/07 0940 | 2/8/07 0826 | ND | | ND | | ND | |
| Q2399 | 120 | MH6 | 2/8/07 0826 | 2/9/07 0830 | ND | | ND | | ND | |
| Q2552 | 120 | MH6 | 2/9/07 0830 | 2/10/07 0854 | ND | | ND | | ND | |
| Q2552D | 120 | MH6 | 2/9/07 0830 | 2/10/07 0854 | ND | | ND | | ND | |
| Q2515 | 120 | MH6 | 2/10/07 0854 | 2/11/07 0850 | ND | | ND | | ND | |
| Q2636 | 120 | MH6 | 2/11/07 0850 | 2/12/07 0821 | ND | | ND | | ND | |
| Q2636D | 120 | MH6 | 2/11/07 0850 | 2/12/07 0821 | ND | | ND | | ND | |
| Q2851 | 120 | MH6 | 2/12/07 0824 | 2/13/07 0753 | ND | | ND | | ND | |

Results

Charcoal Samplers

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q2851D | 120 | MH6 | 2/12/07 0824 | 2/13/07 0753 | ND | | ND | | ND | |
| Q2909 | 120 | MH6 | 2/13/07 0753 | 2/14/07 0817 | ND | | ND | | ND | |
| Q3230 | 120 | MH6 | 2/14/07 0817 | 2/16/07 0755 | ND | | ND | | ND | |
| Q3230D | 120 | MH6 | 2/14/07 0817 | 2/16/07 0755 | ND | | ND | | ND | |
| Q3296 | 120 | MH6 | 2/16/07 0755 | 2/19/07 0905 | ND | | ND | | ND | |
| Q3296D | 120 | MH6 | 2/16/07 0755 | 2/19/07 0905 | ND | | ND | | ND | |
| Q3493 | 120 | MH6 | 2/19/07 0905 | 2/21/07 0855 | ND | | ND | | ND | |
| Q3839 | 120 | MH6 | 2/21/07 0855 | 2/23/07 0755 | 515.3 | 25.0 | ND | | ND | |
| Q3582 | 120 | MH6 | 2/23/07 0755 | 2/26/07 0904 | 516.5 | 531 | ND | | ND | |
| Q3582D | 120 | MH6 | 2/23/07 0755 | 2/26/07 0904 | 516.3 | 399 | ND | | ND | |
| Q3930 | 120 | MH6 | 2/26/07 0804 | 2/28/07 0921 | 515.5 | 165 | ND | | ND | |
| Q4155 | 120 | MH6 | 2/28/07 0921 | 3/2/07 0839 | 516.1 | 374 | ND | | ND | |
| Q4155D | 120 | MH6 | 2/28/07 0921 | 3/2/07 0839 | 516.1 | 347 | ND | | ND | |
| Q4173 | 120 | MH6 | 3/2/07 0839 | 3/5/07 0905 | 515.4 | 13.0 | ND | | ND | |
| Q4544 | 120 | MH6 | 3/5/07 0905 | 3/7/07 0918 | 515.1 | 31.5 | ND | | ND | |
| Q4544D | 120 | MH6 | 3/5/07 0905 | 3/7/07 0918 | 515.1 | 5.92 | ND | | ND | |
| Q4731 | 120 | MH6 | 3/7/07 0818 | 3/9/07 0820 | 515.3 | 42.7 | ND | | ND | |
| Q4782 | 120 | MH6 | 3/9/07 0820 | 3/12/07 0820 | 515.5 | 47.6 | ND | | ND | |
| Q4782D | 120 | MH6 | 3/9/07 0820 | 3/12/07 0820 | 515.6 | 73.2 | ND | | ND | |
| Q5042 | 120 | MH6 | 3/12/07 0820 | 3/14/07 0850 | 515.5 | 98.6 | ND | | ND | |
| Q5444 | 120 | MH6 | 3/14/07 0850 | 3/16/07 0754 | 515.6 | 67.2 | ND | | ND | |
| Q5327 | 120 | MH6 | 3/16/07 0754 | 3/19/07 0830 | 515.3 | 75.0 | ND | | ND | |
| Q5652 | 120 | MH6 | 3/19/07 0830 | 3/23/07 0753 | 515.3 | 47.8 | ND | | ND | |
| Q5652D | 120 | MH6 | 3/19/07 0830 | 3/23/07 0753 | 515.1 | 42.4 | ND | | ND | |
| Q5753 | 120 | MH6 | 3/23/07 0753 | 3/26/07 0925 | 515.1 | 17.4 | ND | | ND | |
| Q5753D | 120 | MH6 | 3/23/07 0753 | 3/26/07 0925 | 515.1 | 18.7 | ND | | ND | |
| Q6141 | 120 | MH6 | 3/26/07 0925 | 3/29/07 0830 | 514.9 | 27.9 | ND | | ND | |
| Q6290 | 120 | MH6 | 3/29/07 0830 | 4/2/07 0812 | 515.1 | 71.3 | ND | | ND | |
| Q6290D | 120 | MH6 | 3/29/07 0830 | 4/2/07 0812 | 515.1 | 75.2 | ND | | ND | |
| Q6523 | 120 | MH6 | 4/2/07 0812 | 4/6/07 0833 | 515.1 | 230 | ND | | ND | |
| Q6523D | 120 | MH6 | 4/2/07 0812 | 4/6/07 0833 | 515.2 | 261 | ND | | ND | |
| Q6684 | 120 | MH6 | 4/6/07 0833 | 4/10/07 0900 | 515.1 | 87.9 | ND | | ND | |
| Q6684D | 120 | MH6 | 4/6/07 0833 | 4/10/07 0900 | 514.9 | 101 | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q6977 | 120 | MH6 | 4/10/07 0900 | 4/17/07 1123 | 515.1 | 95.3 | ND | | ND | |
| Q6977D | 120 | MH6 | 4/10/07 0900 | 4/17/07 1123 | 515.2 | 21.7 | ND | | ND | |
| Q7294 | 120 | MH6 | 4/17/07 1123 | 4/24/07 0801 | 515.3 | 122 | ND | | ND | |
| Q7294D | 120 | MH6 | 4/17/07 1123 | 4/24/07 0801 | 515.2 | 56.7 | ND | | ND | |
| Q7582 | 120 | MH6 | 4/24/07 0801 | 5/1/07 0757 | 515.1 | 260 | ND | | ND | |
| Q8066 | 120 | MH6 | 5/3/07 0851 | 5/9/07 1506 | 515.1 | 424 | ND | | ND | |
| **Q0773** | **320** | **MW-33** | **11/14/06 0923** | **11/20/06 1030** | **514.9** | **2.73** | **ND** | | **ND** | |
| Q1005 | 320 | MW-33 | 11/20/06 1030 | 11/27/06 0827 | 515.8 | 1.95 | ND | | ND | |
| Q1223 | 320 | MW-33 | 11/27/06 0827 | 12/4/06 1104 | 515.5 | 2.27 | ND | | ND | |
| Q2072 | 320 | MW-33 | 1/15/07 1325 | 2/1/07 0950 | 515.2 | 2.53 | ND | | ND | |
| Q2401 | 320 | MW-33 | 2/8/07 0842 | 2/9/07 0837 | ND | | ND | | ND | |
| Q2553 | 320 | MW-33 | 2/9/07 0837 | 2/10/07 0859 | ND | | ND | | ND | |
| Q2516 | 320 | MW-33 | 2/10/07 0859 | 2/11/07 0855 | ND | | ND | | ND | |
| Q2637 | 320 | MW-33 | 2/11/07 0855 | 2/12/07 0826 | ND | | ND | | ND | |
| Q2852 | 320 | MW-33 | 2/12/07 0826 | 2/13/07 0759 | ND | | ND | | ND | |
| Q2910 | 320 | MW-33 | 2/13/07 0759 | 2/14/07 0824 | ND | | ND | | ND | |
| Q3231 | 320 | MW-33 | 2/14/07 0824 | 2/16/07 0800 | 515.8 * | 0.491 | ND | | ND | |
| Q3297 | 320 | MW-33 | 2/16/07 0800 | 2/19/07 0910 | 515.6 | 0.687 | ND | | ND | |
| Q3494 | 320 | MW-33 | 2/19/07 0910 | 2/21/07 0904 | 516.0 * | 0.615 | ND | | ND | |
| Q3841 | 320 | MW-33 | 2/21/07 0904 | 2/23/07 0813 | 515.6 | 7.07 | ND | | ND | |
| Q3583 | 320 | MW-33 | 2/23/07 0813 | 2/26/07 0915 | 515.4 | 66.3 | ND | | ND | |
| Q3931 | 320 | MW-33 | 2/26/07 0815 | 2/28/07 0926 | 515.5 | 31.4 | ND | | ND | |
| Q4156 | 320 | MW-33 | 2/28/07 0926 | 3/2/07 0853 | 515.3 | 113 | ND | | ND | |
| Q4174 | 320 | MW-33 | 3/2/07 0853 | 3/5/07 0857 | 515.3 | 209 | ND | | ND | |
| Q4545 | 320 | MW-33 | 3/5/07 0857 | 3/7/07 0935 | 515.2 | 146 | ND | | ND | |
| Q4732 | 320 | MW-33 | 3/7/07 0935 | 3/9/07 0811 | 515.4 | 87.3 | ND | | ND | |
| Q4783 | 320 | MW-33 | 3/9/07 0811 | 3/12/07 0827 | 515.7 | 154 | ND | | ND | |
| Q5043 | 320 | MW-33 | 3/12/07 0827 | 3/14/07 0848 | 515.3 | 92.3 | ND | | ND | |
| Q5445 | 320 | MW-33 | 3/14/07 0848 | 3/16/07 0750 | 515.5 | 56.9 | ND | | ND | |
| Q5328 | 320 | MW-33 | 3/16/07 0750 | 3/20/07 0750 | 515.5 | 96.1 | ND | | ND | |
| Q5653 | 320 | MW-33 | 3/20/07 0759 | 3/23/07 0800 | 515.3 | 78.8 | ND | | ND | |
| Q5754 | 320 | MW-33 | 3/23/07 0800 | 3/26/07 0916 | 515.2 | 130 | ND | | ND | |
| Q6142 | 320 | MW-33 | 3/26/07 0916 | 3/29/07 0837 | 514.9 | 82.4 | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q6291 | 320 | MW-33 | 3/29/07 0837 | 4/2/07 0824 | 515.1 | 74.4 | ND | | ND | |
| Q6524 | 320 | MW-33 | 4/2/07 0824 | 4/6/07 0828 | 515.3 | 87.6 | ND | | ND | |
| Q6685 | 320 | MW-33 | 4/6/07 0828 | 4/10/07 0907 | 515.1 | 105 | ND | | ND | |
| Q6978 | 320 | MW-33 | 4/10/07 0907 | 4/17/07 1139 | 515.1 | 72.0 | ND | | ND | |
| Q7295 | 320 | MW-33 | 4/17/07 1139 | 4/24/07 0809 | 515.3 | 47.0 | ND | | ND | |
| Q7583 | 320 | MW-33 | 4/24/07 0809 | 5/1/07 0801 | 515.1 | 40.7 | ND | | ND | |
| Q8067 | 320 | MW-33 | 5/3/07 0901 | 5/9/07 1443 | 514.9 | 30.0 | ND | | ND | |
| R0055 | 320 | MW-33 | 5/9/07 1443 | 6/13/07 1235 | 514.9 | 63.6 | ND | | ND | |
| R1950 | 320 | MW-33 | 6/13/07 1235 | 8/3/07 0900 | 515.6 | 26.9 | ND | | ND | |
| **Q0774** | **330** | **MW-34** | **11/14/06 0934** | **11/20/06 1035** | **ND** | | **ND** | | **ND** | |
| Q1006 | 330 | MW-34 | 11/20/06 1035 | 11/27/06 0836 | ND | | ND | | ND | |
| Q1224 | 330 | MW-34 | 11/27/06 0836 | 12/4/06 1115 | ND | | ND | | ND | |
| Q2073 | 330 | MW-34 | 1/15/07 1330 | 2/1/07 0953 | ND | | ND | | ND | |
| Q2471 | 330 | MW-34 | 2/1/07 0953 | 2/8/07 0848 | ND | | ND | | ND | |
| Q2402 | 330 | MW-34 | 2/8/07 0848 | 2/9/07 0844 | ND | | ND | | ND | |
| Q2554 | 330 | MW-34 | 2/9/07 0844 | 2/10/07 0905 | ND | | ND | | ND | |
| Q2517 | 330 | MW-34 | 2/10/07 0905 | 2/11/07 0902 | ND | | ND | | ND | |
| Q2638 | 330 | MW-34 | 2/11/07 0902 | 2/12/07 0832 | ND | | ND | | ND | |
| Q2853 | 330 | MW-34 | 2/12/07 0832 | 2/13/07 0804 | ND | | ND | | ND | |
| Q2911 | 330 | MW-34 | 2/13/07 0804 | 2/14/07 0828 | ND | | ND | | ND | |
| Q3232 | 330 | MW-34 | 2/14/07 0828 | 2/16/07 0805 | ND | | ND | | ND | |
| Q3298 | 330 | MW-34 | 2/16/07 0805 | 2/19/07 0915 | ND | | ND | | ND | |
| Q3495 | 330 | MW-34 | 2/19/07 0915 | 2/21/07 0915 | ND | | ND | | ND | |
| Q3842 | 330 | MW-34 | 2/21/07 0915 | 2/23/07 0808 | ND | | ND | | ND | |
| Q3584 | 330 | MW-34 | 2/23/07 0808 | 2/26/07 0921 | ND | | ND | | ND | |
| Q3932 | 330 | MW-34 | 2/26/07 0821 | 2/28/07 0925 | ND | | ND | | ND | |
| Q4157 | 330 | MW-34 | 2/28/07 0925 | 3/2/07 0921 | ND | | ND | | ND | |
| Q4175 | 330 | MW-34 | 3/2/07 0921 | 3/5/07 0845 | ND | | ND | | ND | |
| Q4546 | 330 | MW-34 | 3/5/07 0845 | 3/7/07 1025 | ND | | ND | | ND | |
| Q4733 | 330 | MW-34 | 3/7/07 1025 | 3/9/07 0759 | ND | | ND | | ND | |
| Q4784 | 330 | MW-34 | 3/9/07 0759 | 3/12/07 0915 | ND | | ND | | ND | |
| Q5044 | 330 | MW-34 | 3/12/07 0915 | 3/14/07 0837 | ND | | ND | | ND | |
| Q5446 | 330 | MW-34 | 3/14/07 0837 | 3/16/07 0740 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q5329 | 330 | MW-34 | 3/16/07 0740 | 3/20/07 0753 | ND | | ND | | ND | |
| Q5654 | 330 | MW-34 | 3/20/07 0753 | 3/23/07 0805 | ND | | ND | | ND | |
| Q5755 | 330 | MW-34 | 3/23/07 0805 | 3/26/07 0905 | ND | | ND | | ND | |
| Q6143 | 330 | MW-34 | 3/26/07 0905 | 3/29/07 1120 | ND | | ND | | ND | |
| Q6292 | 330 | MW-34 | 3/29/07 1120 | 4/2/07 0834 | ND | | ND | | ND | |
| Q6525 | 330 | MW-34 | 4/2/07 0834 | 4/6/07 0819 | 516.5 * | 1.52 | ND | | ND | |
| Q6686 | 330 | MW-34 | 4/6/07 0819 | 4/10/07 0912 | ND | | ND | | ND | |
| Q6979 | 330 | MW-34 | 4/10/07 0912 | 4/16/07 1145 | ND | | ND | | ND | |
| Q7296 | 330 | MW-34 | 4/16/07 1145 | 4/24/07 0817 | ND | | ND | | ND | |
| Q7584 | 330 | MW-34 | 4/24/07 0817 | 5/1/07 0805 | 512.6 * | 0.980 | ND | | ND | |
| Q8068 | 330 | MW-34 | 5/3/07 0904 | 5/9/07 1446 | ND | | ND | | ND | |
| **Q0775** | **340** | **MW-35** | **11/14/06 0942** | **11/20/06 1040** | **ND** | | **ND** | | **ND** | |
| Q1007 | 340 | MW-35 | 11/20/06 1040 | 11/27/06 0845 | ND | | ND | | ND | |
| Q1225 | 340 | MW-35 | 11/27/06 0845 | 12/4/06 1120 | ND | | ND | | ND | |
| Q2047 | 340 | MW-35 | 1/15/07 1335 | 2/1/07 1359 | ND | | ND | | ND | |
| Q2435 | 340 | MW-35 | 2/1/07 1359 | 2/8/07 1000 | ND | | ND | | ND | |
| Q2376 | 340 | MW-35 | 2/8/07 1000 | 2/9/07 1048 | ND | | ND | | ND | |
| Q2493 | 340 | MW-35 | 2/9/07 1048 | 2/10/07 0840 | ND | | ND | | ND | |
| Q2587 | 340 | MW-35 | 2/10/07 0840 | 2/11/07 0810 | ND | | ND | | ND | |
| Q2613 | 340 | MW-35 | 2/11/07 0810 | 2/12/07 0913 | ND | | ND | | ND | |
| Q2828 | 340 | MW-35 | 2/12/07 0916 | 2/13/07 1055 | ND | | ND | | ND | |
| Q2886 | 340 | MW-35 | 2/13/07 1055 | 2/14/07 0815 | ND | | ND | | ND | |
| Q3208 | 340 | MW-35 | 2/14/07 0815 | 2/16/07 0820 | ND | | ND | | ND | |
| Q3331 | 340 | MW-35 | 2/16/07 0820 | 2/19/07 0920 | ND | | ND | | ND | |
| Q3470 | 340 | MW-35 | 2/19/07 0920 | 2/21/07 0835 | ND | | ND | | ND | |
| Q3816 | 340 | MW-35 | 2/21/07 0835 | 2/23/07 0804 | ND | | ND | | ND | |
| Q3558 | 340 | MW-35 | 2/23/07 0804 | 2/26/07 0953 | ND | | ND | | ND | |
| Q3904 | 340 | MW-35 | 2/26/07 0953 | 2/28/07 0930 | 516.8 * | 0.520 | ND | | ND | |
| Q4106 | 340 | MW-35 | 2/28/07 0930 | 3/2/07 0925 | ND | | ND | | ND | |
| Q4210 | 340 | MW-35 | 3/2/07 0925 | 3/5/07 0848 | 515.2 * | 0.495 | ND | | ND | |
| Q4581 | 340 | MW-35 | 3/5/07 0848 | 3/7/07 1028 | 516.2 * | 0.601 | ND | | ND | |
| Q4698 | 340 | MW-35 | 3/7/07 1028 | 3/9/07 0803 | ND | | ND | | ND | |
| Q4813 | 340 | MW-35 | 3/9/07 0803 | 3/12/07 0916 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q5011 | 340 | MW-35 | 3/12/07 0916 | 3/14/07 0840 | ND | | ND | | ND | |
| Q5413 | 340 | MW-35 | 3/14/07 0840 | 3/16/07 0743 | ND | | ND | | ND | |
| Q5368 | 340 | MW-35 | 3/16/07 0743 | 3/20/07 0756 | 517.2 * | 0.863 | ND | | ND | |
| Q5693 | 340 | MW-35 | 3/20/07 0756 | 3/23/07 0807 | 515.0 * | 0.837 | ND | | ND | |
| Q5793 | 340 | MW-35 | 3/23/07 0807 | 3/26/07 0859 | ND | | ND | | ND | |
| Q6109 | 340 | MW-35 | 3/26/07 0859 | 3/29/07 1136 | 516.2 * | 1.86 | ND | | ND | |
| Q6258 | 340 | MW-35 | 3/29/07 1136 | 4/2/07 0834 | ND | | ND | | ND | |
| Q6563 | 340 | MW-35 | 4/2/07 0834 | 4/6/07 0819 | ND | | ND | | ND | |
| Q6652 | 340 | MW-35 | 4/6/07 0819 | 4/9/07 0923 | ND | | ND | | ND | |
| Q7212 | 340 | MW-35 | 4/17/07 1153 | 4/23/07 0908 | 516.4 * | 1.34 | ND | | ND | |
| Q7465 | 340 | MW-35 | 4/23/07 0908 | 4/30/07 0815 | 515.4 * | 1.62 | ND | | ND | |
| Q8043 | 340 | MW-35 | 5/3/07 0904 | 5/9/07 1451 | 515.0 * | 0.988 | ND | | ND | |
| **Q0776** | **350** | **MW-36-26** | **11/14/06 1344** | **11/20/06 1130** | **ND** | | **ND** | | **ND** | |
| Q1008 | 350 | MW-36-26 | 11/20/06 1130 | 11/27/06 1110 | ND | | ND | | ND | |
| Q1226 | 350 | MW-36-26 | 11/27/06 1110 | 12/5/06 1135 | ND | | ND | | ND | |
| Q2048 | 350 | MW-36-26 | 1/15/07 1303 | 2/1/07 1059 | ND | | ND | | ND | |
| Q2436 | 350 | MW-36-26 | 2/1/07 1059 | 2/8/07 1045 | ND | | ND | | ND | |
| Q2377 | 350 | MW-36-26 | 2/8/07 1045 | 2/9/07 1114 | ND | | ND | | ND | |
| Q2494 | 350 | MW-36-26 | 2/9/07 1114 | 2/10/07 0908 | ND | | ND | | ND | |
| Q2588 | 350 | MW-36-26 | 2/10/07 0908 | 2/11/07 0835 | ND | | ND | | ND | |
| Q2614 | 350 | MW-36-26 | 2/11/07 0835 | 2/12/07 0935 | ND | | ND | | ND | |
| Q2829 | 350 | MW-36-26 | 2/12/07 0935 | 2/13/07 1435 | ND | | ND | | ND | |
| Q2887 | 350 | MW-36-26 | 2/13/07 1435 | 2/14/07 1050 | ND | | ND | | ND | |
| Q3209 | 350 | MW-36-26 | 2/14/07 1050 | 2/16/07 0905 | ND | | ND | | ND | |
| Q3332 | 350 | MW-36-26 | 2/16/07 0905 | 2/19/07 0945 | ND | | ND | | ND | |
| Q3471 | 350 | MW-36-26 | 2/19/07 0945 | 2/21/07 0852 | ND | | ND | | ND | |
| Q3817 | 350 | MW-36-26 | 2/21/07 0852 | 2/23/07 0833 | ND | | ND | | ND | |
| Q3559 | 350 | MW-36-26 | 2/23/07 0833 | 2/26/07 1008 | ND | | ND | | ND | |
| Q3905 | 350 | MW-36-26 | 2/26/07 1008 | 2/28/07 1027 | ND | | ND | | ND | |
| Q4107 | 350 | MW-36-26 | 2/28/07 1027 | 3/2/07 0900 | ND | | ND | | ND | |
| Q4211 | 350 | MW-36-26 | 3/2/07 0900 | 3/5/07 1103 | ND | | ND | | ND | |
| Q4582 | 350 | MW-36-26 | 3/5/07 1103 | 3/7/07 1345 | ND | | ND | | ND | |
| Q4699 | 350 | MW-36-26 | 3/7/07 1345 | 3/9/07 0940 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q4814 | 350 | MW-36-26 | 3/9/07 0940 | 3/12/07 1140 | ND | | ND | | ND | |
| Q5012 | 350 | MW-36-26 | 3/12/07 1140 | 3/14/07 1024 | ND | | ND | | ND | |
| Q5414 | 350 | MW-36-26 | 3/14/07 1024 | 3/16/07 1159 | ND | | ND | | ND | |
| Q5369 | 350 | MW-36-26 | 3/16/07 1159 | 3/19/07 1110 | ND | | ND | | ND | |
| Q5694 | 350 | MW-36-26 | 3/19/07 1110 | 3/23/07 1036 | ND | | ND | | ND | |
| Q5794 | 350 | MW-36-26 | 3/23/07 1036 | 3/26/07 0921 | ND | | ND | | ND | |
| Q6110 | 350 | MW-36-26 | 3/26/07 0921 | 3/29/07 1454 | ND | | ND | | ND | |
| Q6259 | 350 | MW-36-26 | 3/29/07 1454 | 4/2/07 0905 | ND | | ND | | ND | |
| Q6564 | 350 | MW-36-26 | 4/2/07 0905 | 4/6/07 1059 | ND | | ND | | ND | |
| Q6653 | 350 | MW-36-26 | 4/6/07 1059 | 4/9/07 1026 | ND | | ND | | ND | |
| Q6947 | 350 | MW-36-26 | 4/9/07 1026 | 4/16/07 0942 | ND | | ND | | ND | |
| Q7213 | 350 | MW-36-26 | 4/16/07 0942 | 4/23/07 1040 | 516.9 * | 1.18 | ND | | ND | |
| Q7466 | 350 | MW-36-26 | 4/23/07 1040 | 4/30/07 0824 | ND | | ND | | ND | |
| Q8044 | 350 | MW-36-26 | 5/3/07 0908 | 5/9/07 1343 | ND | | ND | | ND | |
| **Q0777** | **360** | **MW-36-41** | **11/14/06 1358** | **11/20/06 1140** | **ND** | | **ND** | | **ND** | |
| Q1009 | 360 | MW-36-41 | 11/20/06 1140 | 11/27/06 1106 | ND | | ND | | ND | |
| Q1227 | 360 | MW-36-41 | 11/27/06 1106 | 12/5/06 1121 | ND | | ND | | ND | |
| Q2049 | 360 | MW-36-41 | 1/15/07 1254 | 2/1/07 1106 | ND | | ND | | ND | |
| Q2437 | 360 | MW-36-41 | 2/1/07 1106 | 2/8/07 1050 | ND | | ND | | ND | |
| Q2378 | 360 | MW-36-41 | 2/8/07 1050 | 2/9/07 1117 | ND | | ND | | ND | |
| Q2495 | 360 | MW-36-41 | 2/9/07 1117 | 2/10/07 0913 | ND | | ND | | ND | |
| Q2589 | 360 | MW-36-41 | 2/10/07 0913 | 2/11/07 0839 | ND | | ND | | ND | |
| Q2615 | 360 | MW-36-41 | 2/11/07 0839 | 2/12/07 0940 | ND | | ND | | ND | |
| Q2830 | 360 | MW-36-41 | 2/12/07 0940 | 2/13/07 1440 | ND | | ND | | ND | |
| Q2888 | 360 | MW-36-41 | 2/13/07 1440 | 2/14/07 1055 | ND | | ND | | ND | |
| Q3210 | 360 | MW-36-41 | 2/14/07 1055 | 2/16/07 0910 | ND | | ND | | ND | |
| Q3333 | 360 | MW-36-41 | 2/16/07 0910 | 2/19/07 0948 | ND | | ND | | ND | |
| Q3472 | 360 | MW-36-41 | 2/19/07 0948 | 2/21/07 0856 | ND | | ND | | ND | |
| Q3818 | 360 | MW-36-41 | 2/21/07 0856 | 2/23/07 0830 | ND | | ND | | ND | |
| Q3561 | 360 | MW-36-41 | 2/23/07 0838 | 2/26/07 1012 | ND | | ND | | ND | |
| Q3906 | 360 | MW-36-41 | 2/26/07 1012 | 2/28/07 1031 | ND | | ND | | ND | |
| Q4108 | 360 | MW-36-41 | 2/28/07 1031 | 3/2/07 0903 | ND | | ND | | ND | |
| Q4212 | 360 | MW-36-41 | 3/2/07 0903 | 3/5/07 1107 | 515.8 * | 0.323 | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results Peak nm | Fluorescein Results Conc. ppb | Eosine Results Peak nm | Eosine Results Conc. ppb | RWT Results Peak nm | RWT Results Conc. ppb |
|---|---|---|---|---|---|---|---|---|---|---|
| Q4583 | 360 | MW-36-41 | 3/5/07 1107 | 3/7/07 1349 | ND | | ND | | ND | |
| Q4701 | 360 | MW-36-41 | 3/7/07 1349 | 3/9/07 0944 | ND | | ND | | ND | |
| Q4815 | 360 | MW-36-41 | 3/9/07 0944 | 3/12/07 1144 | ND | | ND | | ND | |
| Q5013 | 360 | MW-36-41 | 3/12/07 1144 | 3/14/07 1027 | ND | | ND | | ND | |
| Q5415 | 360 | MW-36-41 | 3/14/07 1027 | 3/16/07 1203 | ND | | ND | | ND | |
| Q5370 | 360 | MW-36-41 | 3/16/07 1203 | 3/19/07 1114 | ND | | ND | | ND | |
| Q5695 | 360 | MW-36-41 | 3/19/07 1114 | 3/23/07 1040 | ND | | ND | | ND | |
| Q5795 | 360 | MW-36-41 | 3/23/07 1040 | 3/26/07 0925 | ND | | ND | | ND | |
| Q6111 | 360 | MW-36-41 | 3/26/07 0925 | 3/29/07 1457 | ND | | ND | | ND | |
| Q6261 | 360 | MW-36-41 | 3/29/07 1457 | 4/2/07 0909 | ND | | ND | | ND | |
| Q6565 | 360 | MW-36-41 | 4/2/07 0909 | 4/6/07 1103 | ND | | ND | | ND | |
| Q6654 | 360 | MW-36-41 | 4/6/07 1103 | 4/9/07 1030 | ND | | ND | | ND | |
| Q6948 | 360 | MW-36-41 | 4/9/07 1030 | 4/16/07 0946 | 516.4 * | 0.732 | ND | | ND | |
| Q7214 | 360 | MW-36-41 | 4/16/07 0946 | 4/23/07 1044 | 515.3 | 5.17 | ND | | ND | |
| Q7467 | 360 | MW-36-41 | 4/23/07 1044 | 4/30/07 0827 | 516.2 | 1.37 | ND | | ND | |
| Q8045 | 360 | MW-36-41 | 5/3/07 0909 | 5/9/07 1336 | ND | | ND | | ND | |
| **Q0778** | **370** | **MW-36-53** | **11/14/06 1406** | **11/20/06 1150** | **ND** | | **ND** | | **ND** | |
| Q1010 | 370 | MW-36-53 | 11/20/06 1150 | 11/27/06 1058 | ND | | ND | | ND | |
| Q1228 | 370 | MW-36-53 | 11/27/06 1058 | 12/5/06 1125 | ND | | ND | | ND | |
| Q2050 | 370 | MW-36-53 | 1/15/07 1258 | 2/1/07 1102 | ND | | ND | | ND | |
| Q2438 | 370 | MW-36-53 | 2/1/07 1102 | 2/8/07 1055 | ND | | ND | | ND | |
| Q2379 | 370 | MW-36-53 | 2/8/07 1055 | 2/9/07 1121 | ND | | ND | | ND | |
| Q2496 | 370 | MW-36-53 | 2/9/07 1121 | 2/10/07 0918 | ND | | ND | | ND | |
| Q2590 | 370 | MW-36-53 | 2/10/07 0918 | 2/11/07 0843 | ND | | ND | | ND | |
| Q2616 | 370 | MW-36-53 | 2/11/07 0843 | 2/12/07 0945 | ND | | ND | | ND | |
| Q2831 | 370 | MW-36-53 | 2/12/07 0945 | 2/13/07 1445 | ND | | ND | | ND | |
| Q2889 | 370 | MW-36-53 | 2/13/07 1445 | 2/14/07 1100 | ND | | ND | | ND | |
| Q3211 | 370 | MW-36-53 | 2/14/07 1100 | 2/16/07 0915 | ND | | ND | | ND | |
| Q3334 | 370 | MW-36-53 | 2/16/07 0915 | 2/19/07 0953 | ND | | ND | | ND | |
| Q3473 | 370 | MW-36-53 | 2/19/07 0953 | 2/21/07 0900 | ND | | ND | | ND | |
| Q3819 | 370 | MW-36-53 | 2/21/07 0900 | 2/23/07 0843 | ND | | ND | | ND | |
| Q3562 | 370 | MW-36-53 | 2/23/07 0843 | 2/26/07 1017 | ND | | ND | | ND | |
| Q3907 | 370 | MW-36-53 | 2/26/07 1017 | 2/28/07 1036 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q4109 | 370 | MW-36-53 | 2/28/07 1036 | 3/2/07 0907 | ND | | ND | | ND | |
| Q4213 | 370 | MW-36-53 | 3/2/07 0907 | 3/5/07 1112 | ND | | ND | | ND | |
| Q4584 | 370 | MW-36-53 | 3/5/07 1112 | 3/7/07 1354 | ND | | ND | | ND | |
| Q4702 | 370 | MW-36-53 | 3/7/07 1354 | 3/9/07 0948 | ND | | ND | | ND | |
| Q4816 | 370 | MW-36-53 | 3/9/07 0948 | 3/12/07 1148 | ND | | ND | | ND | |
| Q5014 | 370 | MW-36-53 | 3/12/07 1148 | 3/14/07 1031 | ND | | ND | | ND | |
| Q5416 | 370 | MW-36-53 | 3/14/07 1031 | 3/16/07 1208 | ND | | ND | | ND | |
| Q5371 | 370 | MW-36-53 | 3/16/07 1208 | 3/19/07 1119 | ND | | ND | | ND | |
| Q5696 | 370 | MW-36-53 | 3/19/07 1119 | 3/23/07 1045 | ND | | ND | | ND | |
| Q5796 | 370 | MW-36-53 | 3/23/07 1045 | 3/26/07 0930 | ND | | ND | | ND | |
| Q6112 | 370 | MW-36-53 | 3/26/07 0930 | 3/29/07 1459 | ND | | ND | | ND | |
| Q6262 | 370 | MW-36-53 | 3/29/07 1459 | 4/2/07 0914 | ND | | ND | | ND | |
| Q6566 | 370 | MW-36-53 | 4/2/07 0914 | 4/6/07 1108 | ND | | ND | | ND | |
| Q6655 | 370 | MW-36-53 | 4/6/07 1108 | 4/9/07 1035 | ND | | ND | | ND | |
| Q6949 | 370 | MW-36-53 | 4/9/07 1035 | 4/16/07 0951 | ND | | ND | | ND | |
| Q7215 | 370 | MW-36-53 | 4/16/07 0951 | 4/23/07 1049 | ND | | ND | | ND | |
| Q7468 | 370 | MW-36-53 | 4/23/07 1049 | 4/30/07 0830 | ND | | ND | | ND | |
| Q8046 | 370 | MW-36-53 | 5/3/07 0910 | 5/9/07 1340 | ND | | ND | | ND | |
| **Q0779** | **380** | **MW-37-22** | **11/14/06 1424** | **11/20/06 1026** | **ND** | | **ND** | | **ND** | |
| Q1011 | 380 | MW-37-22 | 11/20/06 1026 | 11/27/06 1049 | ND | | ND | | ND | |
| Q1229 | 380 | MW-37-22 | 11/27/06 1049 | 12/4/06 1337 | ND | | ND | | ND | |
| Q2074 | 380 | MW-37-22 | 1/15/07 1242 | 2/1/07 1016 | ND | | ND | | ND | |
| Q2472 | 380 | MW-37-22 | 2/1/07 1016 | 2/8/07 1000 | ND | | ND | | ND | |
| Q2403 | 380 | MW-37-22 | 2/8/07 1000 | 2/9/07 0854 | ND | | ND | | ND | |
| Q2555 | 380 | MW-37-22 | 2/9/07 0854 | 2/10/07 0915 | ND | | ND | | ND | |
| Q2518 | 380 | MW-37-22 | 2/10/07 0915 | 2/11/07 0912 | ND | | ND | | ND | |
| Q2639 | 380 | MW-37-22 | 2/11/07 0912 | 2/12/07 0840 | ND | | ND | | ND | |
| Q2854 | 380 | MW-37-22 | 2/12/07 0840 | 2/13/07 0811 | ND | | ND | | ND | |
| Q2912 | 380 | MW-37-22 | 2/13/07 0811 | 2/14/07 0837 | ND | | ND | | ND | |
| Q3233 | 380 | MW-37-22 | 2/14/07 0837 | 2/16/07 0818 | ND | | ND | | ND | |
| Q3299 | 380 | MW-37-22 | 2/16/07 0818 | 2/19/07 0925 | ND | | ND | | ND | |
| Q3496 | 380 | MW-37-22 | 2/19/07 0925 | 2/21/07 0857 | ND | | ND | | ND | |
| Q3843 | 380 | MW-37-22 | 2/21/07 0957 | 2/23/07 0825 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q3585 | 380 | MW-37-22 | 2/23/07 0825 | 2/26/07 0935 | 517.0 * | 0.716 | ND | | ND | |
| Q3933 | 380 | MW-37-22 | 2/26/07 0835 | 2/28/07 0948 | 515.8 | 2.91 | ND | | ND | |
| Q4158 | 380 | MW-37-22 | 2/28/07 0948 | 3/2/07 0804 | 515.2 | 10.0 | ND | | ND | |
| Q4176 | 380 | MW-37-22 | 3/2/07 0804 | 3/5/07 0912 | 515.1 | 28.9 | ND | | ND | |
| Q4547 | 380 | MW-37-22 | 3/5/07 0912 | 3/7/07 1040 | 515.0 | 90.0 | ND | | ND | |
| Q4734 | 380 | MW-37-22 | 3/7/07 1040 | 3/9/07 0830 | 515.3 | 99.8 | ND | | ND | |
| Q4785 | 380 | MW-37-22 | 3/9/07 0830 | 3/12/07 0837 | 515.7 | 168 | ND | | ND | |
| Q5045 | 380 | MW-37-22 | 3/12/07 0837 | 3/14/07 0916 | 515.3 | 209 | ND | | ND | |
| Q5447 | 380 | MW-37-22 | 3/14/07 0916 | 3/16/07 0805 | 515.6 | 256 | ND | | ND | |
| Q5330 | 380 | MW-37-22 | 3/16/07 0805 | 3/19/07 0842 | 515.4 | 287 | ND | | ND | |
| Q5655 | 380 | MW-37-22 | 3/19/07 0842 | 3/23/07 0814 | 515.5 | 429 | ND | | ND | |
| Q5756 | 380 | MW-37-22 | 3/23/07 0814 | 3/26/07 0930 | 516.5 | 550 | ND | | ND | |
| Q6144 | 380 | MW-37-22 | 3/26/07 0930 | 3/29/07 0848 | 516.7 | 539 | ND | | ND | |
| Q6293 | 380 | MW-37-22 | 3/29/07 0848 | 4/2/07 0844 | 516.3 | 506 | ND | | ND | |
| Q6526 | 380 | MW-37-22 | 4/2/07 0844 | 4/6/07 0841 | 515.2 | 455 | ND | | ND | |
| Q6687 | 380 | MW-37-22 | 4/6/07 0841 | 4/10/07 0840 | 515.1 | 394 | ND | | ND | |
| Q6981 | 380 | MW-37-22 | 4/10/07 0840 | 4/16/07 1005 | 516.3 | 616 | ND | | ND | |
| Q7297 | 380 | MW-37-22 | 4/16/07 1005 | 4/24/07 1041 | 516.2 | 433 | ND | | ND | |
| Q7585 | 380 | MW-37-22 | 4/24/07 1041 | 5/1/07 0903 | 515.1 | 232 | ND | | ND | |
| Q8069 | 380 | MW-37-22 | 5/3/07 0917 | 5/9/07 1512 | 514.9 | 165 | ND | | ND | |
| **Q0781** | **390** | **MW-37-32** | **11/14/06 1434** | **11/20/06 1018** | **ND** | | **ND** | | **ND** | |
| Q1012 | 390 | MW-37-32 | 11/20/06 1018 | 11/27/06 1018 | ND | | ND | | ND | |
| Q1230 | 390 | MW-37-32 | 11/27/06 1018 | 12/4/06 1328 | ND | | ND | | ND | |
| Q2075 | 390 | MW-37-32 | 1/15/07 1213 | 2/1/07 1009 | ND | | ND | | ND | |
| Q2473 | 390 | MW-37-32 | 2/1/07 1009 | 2/8/07 1004 | ND | | ND | | ND | |
| Q2404 | 390 | MW-37-32 | 2/8/07 1004 | 2/9/07 0856 | ND | | ND | | ND | |
| Q2556 | 390 | MW-37-32 | 2/9/07 0856 | 2/10/07 0917 | ND | | ND | | ND | |
| Q2519 | 390 | MW-37-32 | 2/10/07 0917 | 2/11/07 0913 | ND | | ND | | ND | |
| Q2641 | 390 | MW-37-32 | 2/11/07 0913 | 2/12/07 0842 | ND | | ND | | ND | |
| Q2855 | 390 | MW-37-32 | 2/12/07 0842 | 2/13/07 0814 | ND | | ND | | ND | |
| Q2913 | 390 | MW-37-32 | 2/13/07 0814 | 2/14/07 0839 | ND | | ND | | ND | |
| Q3234 | 390 | MW-37-32 | 2/14/07 0839 | 2/16/07 0820 | ND | | ND | | ND | |
| Q3301 | 390 | MW-37-32 | 2/16/07 0820 | 2/19/07 0930 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q3497 | 390 | MW-37-32 | 2/19/07 0930 | 2/21/07 0959 | ND | | ND | | ND | |
| Q3844 | 390 | MW-37-32 | 2/21/07 0959 | 2/23/07 0829 | ND | | ND | | ND | |
| Q3586 | 390 | MW-37-32 | 2/23/07 0829 | 2/26/07 0935 | ND | | ND | | ND | |
| Q3934 | 390 | MW-37-32 | 2/26/07 0835 | 2/28/07 0952 | ND | | ND | | ND | |
| Q4159 | 390 | MW-37-32 | 2/28/07 0952 | 3/2/07 0808 | ND | | ND | | ND | |
| Q4177 | 390 | MW-37-32 | 3/2/07 0808 | 3/5/07 0917 | 515.8 | 0.831 | ND | | ND | |
| Q4548 | 390 | MW-37-32 | 3/5/07 0917 | 3/7/07 1043 | 516.1 * | 0.767 | ND | | ND | |
| Q4735 | 390 | MW-37-32 | 3/7/07 1043 | 3/9/07 0835 | 515.7 | 1.80 | ND | | ND | |
| Q4786 | 390 | MW-37-32 | 3/9/07 0835 | 3/12/07 0845 | 515.7 | 4.79 | ND | | ND | |
| Q5046 | 390 | MW-37-32 | 3/12/07 0845 | 3/14/07 0920 | 515.5 | 4.35 | ND | | ND | |
| Q5448 | 390 | MW-37-32 | 3/14/07 0920 | 3/16/07 0808 | 515.7 | 4.00 | ND | | ND | |
| Q5331 | 390 | MW-37-32 | 3/16/07 0808 | 3/19/07 0847 | 515.3 | 5.98 | ND | | ND | |
| Q5656 | 390 | MW-37-32 | 3/19/07 0847 | 3/23/07 0820 | 515.3 | 16.7 | ND | | ND | |
| Q5757 | 390 | MW-37-32 | 3/23/07 0820 | 3/26/07 0935 | 515.3 | 23.7 | ND | | ND | |
| Q6145 | 390 | MW-37-32 | 3/26/07 0935 | 3/29/07 0852 | 515.0 | 15.6 | ND | | ND | |
| Q6294 | 390 | MW-37-32 | 3/29/07 0852 | 4/2/07 0849 | 515.1 | 5.95 | ND | | ND | |
| Q6527 | 390 | MW-37-32 | 4/2/07 0849 | 4/6/07 0845 | 515.8 | 2.41 | ND | | ND | |
| Q6688 | 390 | MW-37-32 | 4/6/07 0845 | 4/10/07 0844 | 516.2 | 0.859 | ND | | ND | |
| Q6982 | 390 | MW-37-32 | 4/10/07 0844 | 4/16/07 1008 | 516.6 | 0.870 | ND | | ND | |
| Q7298 | 390 | MW-37-32 | 4/16/07 1008 | 4/24/07 1037 | 517.4 ** | 0.866 | ND | | ND | |
| Q7586 | 390 | MW-37-32 | 4/24/07 1037 | 5/1/07 0906 | 516.0 ** | 0.568 | ND | | ND | |
| Q8070 | 390 | MW-37-32 | 5/3/07 0918 | 5/9/07 1515 | ND | | ND | | ND | |
| **Q0782** | **400** | **MW-37-40** | **11/14/06 1444** | **11/20/06 0958** | **ND** | | **ND** | | **ND** | |
| Q1013 | 400 | MW-37-40 | 11/20/06 0958 | 11/27/06 1038 | ND | | ND | | ND | |
| Q1231 | 400 | MW-37-40 | 11/27/06 1038 | 12/4/06 1140 | ND | | ND | | ND | |
| Q2076 | 400 | MW-37-40 | 1/15/07 1234 | 2/1/07 1021 | ND | | ND | | ND | |
| Q2474 | 400 | MW-37-40 | 2/1/07 1021 | 2/8/07 1011 | ND | | ND | | ND | |
| Q2405 | 400 | MW-37-40 | 2/8/07 1011 | 2/9/07 0900 | ND | | ND | | ND | |
| Q2557 | 400 | MW-37-40 | 2/9/07 0900 | 2/10/07 0921 | ND | | ND | | ND | |
| Q2521 | 400 | MW-37-40 | 2/10/07 0921 | 2/11/07 0916 | ND | | ND | | ND | |
| Q2642 | 400 | MW-37-40 | 2/11/07 0916 | 2/12/07 0845 | ND | | ND | | ND | |
| Q2856 | 400 | MW-37-40 | 2/12/07 0845 | 2/13/07 0816 | ND | | ND | | ND | |
| Q2914 | 400 | MW-37-40 | 2/13/07 0816 | 2/14/07 0842 | ND | | ND | | ND | |

Results

Charcoal Samplers

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q3235 | 400 | MW-37-40 | 2/14/07 0842 | 2/16/07 0822 | ND | | ND | | ND | |
| Q3302 | 400 | MW-37-40 | 2/16/07 0822 | 2/19/07 0933 | ND | | ND | | ND | |
| Q3498 | 400 | MW-37-40 | 2/19/07 0933 | 2/21/07 1005 | ND | | ND | | ND | |
| Q3845 | 400 | MW-37-40 | 2/21/07 1005 | 2/23/07 0833 | ND | | ND | | ND | |
| Q3587 | 400 | MW-37-40 | 2/23/07 0833 | 2/26/07 0943 | ND | | ND | | ND | |
| Q3935 | 400 | MW-37-40 | 2/26/07 0843 | 2/28/07 0958 | ND | | ND | | ND | |
| Q4161 | 400 | MW-37-40 | 2/28/07 0958 | 3/2/07 0813 | ND | | ND | | ND | |
| Q4178 | 400 | MW-37-40 | 3/2/07 0813 | 3/5/07 0921 | ND | | ND | | ND | |
| Q4549 | 400 | MW-37-40 | 3/5/07 0921 | 3/7/07 1051 | ND | | ND | | ND | |
| Q4736 | 400 | MW-37-40 | 3/7/07 1051 | 3/9/07 0841 | ND | | ND | | ND | |
| Q4787 | 400 | MW-37-40 | 3/9/07 0841 | 3/12/07 0851 | ND | | ND | | ND | |
| Q5047 | 400 | MW-37-40 | 3/12/07 0851 | 3/14/07 0930 | ND | | ND | | ND | |
| Q5449 | 400 | MW-37-40 | 3/14/07 0830 | 3/16/07 0814 | ND | | ND | | ND | |
| Q5332 | 400 | MW-37-40 | 3/16/07 0814 | 3/19/07 0900 | ND | | ND | | ND | |
| Q5657 | 400 | MW-37-40 | 3/19/07 0900 | 3/23/07 0827 | ND | | ND | | ND | |
| Q5657R | 400 | MW-37-40 | 3/19/07 0900 | 3/23/07 0827 | ND | | ND | | ND | |
| Q5758 | 400 | MW-37-40 | 3/23/07 0827 | 3/26/07 0940 | ND | | ND | | ND | |
| Q6146 | 400 | MW-37-40 | 3/26/07 0940 | 3/29/07 0857 | ND | | ND | | ND | |
| Q6295 | 400 | MW-37-40 | 3/29/07 0851 | 4/2/07 0855 | ND | | ND | | ND | |
| Q6528 | 400 | MW-37-40 | 4/2/07 0855 | 4/6/07 0851 | ND | | ND | | ND | |
| Q6689 | 400 | MW-37-40 | 4/6/07 0851 | 4/10/07 0849 | ND | | ND | | ND | |
| Q6983 | 400 | MW-37-40 | 4/10/07 0849 | 4/16/07 1013 | ND | | ND | | ND | |
| Q7299 | 400 | MW-37-40 | 4/16/07 1013 | 4/24/07 1033 | ND | | ND | | ND | |
| Q7587 | 400 | MW-37-40 | 4/24/07 1033 | 5/1/07 0909 | ND | | ND | | ND | |
| Q8071 | 400 | MW-37-40 | 5/3/07 0921 | 5/9/07 1519 | ND | | ND | | ND | |
| **Q0783** | **410** | **MW-37-57** | **11/14/06 1456** | **11/20/06 1011** | **ND** | | **ND** | | **ND** | |
| Q1014 | 410 | MW-37-57 | 11/20/06 1011 | 11/27/06 1032 | ND | | ND | | ND | |
| Q1232 | 410 | MW-37-57 | 11/27/06 1032 | 12/4/06 1148 | ND | | ND | | ND | |
| Q2077 | 410 | MW-37-57 | 1/15/07 1221 | 2/1/07 1041 | ND | | ND | | ND | |
| Q2475 | 410 | MW-37-57 | 2/1/07 1041 | 2/8/07 1047 | ND | | ND | | ND | |
| Q2406 | 410 | MW-37-57 | 2/8/07 1047 | 2/9/07 0904 | ND | | ND | | ND | |
| Q2558 | 410 | MW-37-57 | 2/9/07 0904 | 2/10/07 0935 | ND | | ND | | ND | |
| Q2522 | 410 | MW-37-57 | 2/10/07 0935 | 2/11/07 0920 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q2643 | 410 | MW-37-57 | 2/11/07 0920 | 2/12/07 0850 | ND | | ND | | ND | |
| Q2857 | 410 | MW-37-57 | 2/12/07 0850 | 2/13/07 0820 | ND | | ND | | ND | |
| Q2915 | 410 | MW-37-57 | 2/13/07 0820 | 2/14/07 0845 | ND | | ND | | ND | |
| Q3236 | 410 | MW-37-57 | 2/14/07 0845 | 2/16/07 0825 | ND | | ND | | ND | |
| Q3303 | 410 | MW-37-57 | 2/16/07 0825 | 2/19/07 0935 | ND | | ND | | ND | |
| Q3499 | 410 | MW-37-57 | 2/19/07 0935 | 2/21/07 1010 | ND | | ND | | ND | |
| Q3846 | 410 | MW-37-57 | 2/21/07 1010 | 2/23/07 0840 | ND | | ND | | ND | |
| Q3588 | 410 | MW-37-57 | 2/23/07 0840 | 2/26/07 0948 | ND | | ND | | ND | |
| Q3936 | 410 | MW-37-57 | 2/26/07 0848 | 2/28/07 1004 | ND | | ND | | ND | |
| Q4162 | 410 | MW-37-57 | 2/28/07 1004 | 3/2/07 0817 | ND | | ND | | ND | |
| Q4179 | 410 | MW-37-57 | 3/2/07 0817 | 3/5/07 0938 | ND | | ND | | ND | |
| Q4550 | 410 | MW-37-57 | 3/5/07 0938 | 3/7/07 1057 | ND | | ND | | ND | |
| Q4737 | 410 | MW-37-57 | 3/7/07 1057 | 3/9/07 0847 | ND | | ND | | ND | |
| Q4788 | 410 | MW-37-57 | 3/9/07 0847 | 3/12/07 0855 | ND | | ND | | ND | |
| Q5048 | 410 | MW-37-57 | 3/12/07 0855 | 3/14/07 0934 | 516.6 * | 0.425 | ND | | ND | |
| Q5450 | 410 | MW-37-57 | 3/14/07 0734 | 3/16/07 0819 | 516.2 * | 0.440 | ND | | ND | |
| Q5333 | 410 | MW-37-57 | 3/16/07 0819 | 3/19/07 0907 | 517.2 * | 0.387 | ND | | ND | |
| Q5658 | 410 | MW-37-57 | 3/19/07 0907 | 3/23/07 0834 | 515.6 * | 0.445 | ND | | ND | |
| Q5759 | 410 | MW-37-57 | 3/23/07 0834 | 3/26/07 0948 | ND | | ND | | ND | |
| Q6147 | 410 | MW-37-57 | 3/26/07 0948 | 3/29/07 0903 | ND | | ND | | ND | |
| Q6296 | 410 | MW-37-57 | 3/29/07 0903 | 4/2/07 0901 | ND | | ND | | ND | |
| Q6529 | 410 | MW-37-57 | 4/2/07 0901 | 4/6/07 0859 | ND | | ND | | ND | |
| Q6690 | 410 | MW-37-57 | 4/6/07 0859 | 4/10/07 0853 | ND | | ND | | ND | |
| Q6984 | 410 | MW-37-57 | 4/10/07 0853 | 4/16/07 1018 | ND | | ND | | ND | |
| Q7301 | 410 | MW-37-57 | 4/16/07 1018 | 4/24/07 1028 | ND | | ND | | ND | |
| Q7588 | 410 | MW-37-57 | 4/24/07 1028 | 5/1/07 0912 | ND | | ND | | ND | |
| Q8072 | 410 | MW-37-57 | 5/3/07 0922 | 5/9/07 1523 | ND | | ND | | ND | |
| **Q0784** | **420** | **MW-38** | **11/14/06 1109** | **11/20/06 1053** | **ND** | | **ND** | | **567.6 *** | **1.34** |
| Q1015 | 420 | MW-38 | 11/20/06 1053 | 11/27/06 1317 | ND | | ND | | ND | |
| Q1233 | 420 | MW-38 | 11/27/06 1317 | 12/4/06 0856 | ND | | ND | | ND | |
| Q1913 | 420 | MW-38 | 1/12/07 1330 | 1/17/07 1441 | ND | | ND | | ND | |
| Q3264 | 420 | MW-38 | 1/17/07 1441 | 2/15/07 1055 | ND | | ND | | ND | |
| Q4084 | 420 | MW-38 | 2/15/07 1055 | 3/1/07 1400 | 514.2 * | 0.663 | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results Peak nm | Fluorescein Results Conc. ppb | Eosine Results Peak nm | Eosine Results Conc. ppb | RWT Results Peak nm | RWT Results Conc. ppb |
|---|---|---|---|---|---|---|---|---|---|---|
| Q5398 | 420 | MW-38 | 3/1/07 1400 | 3/12/07 1405 | ND | | ND | | ND | |
| Q5969 | 420 | MW-38 | 3/12/07 1405 | 3/27/07 0842 | 514.9 * | 0.762 | ND | | ND | |
| Q6735 | 420 | MW-38 | 3/27/07 0842 | 4/10/07 1516 | ND | | ND | | ND | |
| Q7323 | 420 | MW-38 | 4/10/07 1516 | 4/25/07 1445 | ND | | ND | | ND | |
| Q8198 | 420 | MW-38 | 4/25/07 1445 | 5/10/07 1141 | ND | | ND | | ND | |
| **Q0785** | **440** | **MW-39A (67')** | **11/17/06 1403** | **11/21/06 0826** | **ND** | | **ND** | | **ND** | |
| Q1016 | 440 | MW-39A (67') | 11/21/06 0826 | 11/28/06 1114 | ND | | ND | | ND | |
| Q1234 | 440 | MW-39A (67') | 11/28/06 1114 | 12/6/06 1423 | ND | | ND | | ND | |
| Q1914 | 440 | MW-39A (67') | 1/10/07 1040 | 1/24/07 1040 | ND | | ND | | ND | |
| Q3265 | 440 | MW-39A (67') | 1/24/07 1040 | 2/8/07 1130 | ND | | ND | | ND | |
| **Q0786** | **450** | **MW-39B (86')** | **11/17/06 1400** | **11/21/06 0829** | **ND** | | **ND** | | **ND** | |
| Q1017 | 450 | MW-39B (86') | 11/21/06 0829 | 11/28/06 1122 | ND | | ND | | ND | |
| Q1235 | 450 | MW-39B (86') | 11/28/06 1122 | 12/6/06 1424 | ND | | ND | | ND | |
| Q1915 | 450 | MW-39B (86') | 1/10/07 1040 | 1/24/07 1040 | ND | | ND | | ND | |
| Q3266 | 450 | MW-39B (86') | 1/24/07 1040 | 2/8/07 1130 | ND | | ND | | ND | |
| **Q0787** | **460** | **MW-39C (100')** | **11/17/06 1355** | **11/21/06 0850** | **ND** | | **ND** | | **ND** | |
| Q1018 | 460 | MW-39C (100') | 11/21/06 0850 | 11/28/06 1126 | ND | | ND | | ND | |
| Q1236 | 460 | MW-39C (100') | 11/28/06 1126 | 12/6/06 1425 | ND | | ND | | ND | |
| Q1916 | 460 | MW-39C (100') | 1/10/07 1040 | 1/24/07 1040 | ND | | ND | | ND | |
| Q3267 | 460 | MW-39C (100') | 1/24/07 1040 | 2/8/07 1130 | ND | | ND | | ND | |
| **Q1237** | **470** | **MW-39D (105')** | **11/28/06 1130** | **12/6/06 1426** | **ND** | | **ND** | | **ND** | |
| Q1917 | 470 | MW-39D (105') | 1/10/07 1040 | 1/24/07 1040 | ND | | ND | | ND | |
| Q3268 | 470 | MW-39D (105') | 1/24/07 1040 | 2/8/07 1130 | ND | | ND | | ND | |
| **Q0825** | **473** | **MW-41-15** | **11/15/06 1130** | **11/20/06 1400** | **ND** | | **ND** | | **ND** | |
| Q1057 | 473 | MW-41-15 | 11/20/06 1400 | 11/27/06 1425 | ND | | ND | | ND | |
| Q1238 | 473 | MW-41-15 | 11/27/06 1425 | 12/7/06 1101 | ND | | ND | | ND | |
| Q1918 | 473 | MW-41-15 | 1/16/07 0819 | 1/24/07 1126 | ND | | ND | | ND | |
| Q3269 | 473 | MW-41-15 | 1/24/07 1126 | 2/15/07 1325 | ND | | ND | | ND | |
| Q6739 | 473 | MW-41-15 | 2/15/07 1325 | 4/11/07 1120 | ND | | ND | | ND | |
| Q7327 | 473 | MW-41-15 | 4/11/07 1120 | 4/25/07 0827 | ND | | ND | | ND | |
| Q8022 | 473 | MW-41-15 | 4/25/07 0827 | 5/8/07 1130 | ND | | ND | | ND | |
| **Q0827** | **474** | **MW-41-42** | **11/15/06 1200** | **11/20/06 1408** | **ND** | | **ND** | | **ND** | |
| Q1058 | 474 | MW-41-42 | 11/20/06 1404 | 11/27/06 1430 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q1239 | 474 | MW-41-42 | 11/27/06 1430 | 12/7/06 1122 | ND | | ND | | ND | |
| Q1919 | 474 | MW-41-42 | 1/16/07 0817 | 1/24/07 1130 | ND | | ND | | ND | |
| Q3270 | 474 | MW-41-42 | 1/24/07 1130 | 2/15/07 1330 | ND | | ND | | ND | |
| Q6741 | 474 | MW-41-42 | 2/15/07 1325 | 4/11/07 1123 | ND | | ND | | ND | |
| Q7328 | 474 | MW-41-42 | 4/11/07 1123 | 4/25/07 0830 | ND | | ND | | ND | |
| Q8023 | 474 | MW-41-42 | 4/25/07 0830 | 5/8/07 1134 | ND | | ND | | ND | |
| **Q0826** | **475** | **MW-41-64** | **11/15/06 1140** | **11/20/06 1404** | **ND** | | **ND** | | **ND** | |
| Q1059 | 475 | MW-41-64 | 11/20/06 1408 | 11/27/06 1420 | ND | | ND | | ND | |
| Q1241 | 475 | MW-41-64 | 11/27/06 1420 | 12/7/06 1106 | ND | | ND | | ND | |
| Q1921 | 475 | MW-41-64 | 1/16/07 0811 | 1/24/07 1135 | ND | | ND | | ND | |
| Q3271 | 475 | MW-41-64 | 1/24/07 1135 | 2/15/07 1315 | ND | | ND | | ND | |
| Q6742 | 475 | MW-41-64 | 2/15/07 1325 | 4/11/07 1310 | ND | | ND | | ND | |
| Q7329 | 475 | MW-41-64 | 4/11/07 1310 | 4/25/07 0835 | ND | | ND | | ND | |
| Q8024 | 475 | MW-41-64 | 4/25/07 0835 | 5/8/07 1138 | ND | | ND | | ND | |
| **Q0788** | **480** | **MW-42-51** | **11/16/06 1500** | **11/21/06 0938** | **ND** | | **ND** | | **ND** | |
| Q1019 | 480 | MW-42-51 | 11/21/06 0938 | 11/28/06 1320 | ND | | ND | | ND | |
| Q1242 | 480 | MW-42-51 | 11/28/06 1320 | 12/6/06 1327 | ND | | ND | | ND | |
| Q1922 | 480 | MW-42-51 | 1/9/07 1428 | 1/24/07 1307 | ND | | ND | | ND | |
| Q3272 | 480 | MW-42-51 | 1/24/07 1307 | 2/15/07 0825 | ND | | ND | | ND | |
| Q4085 | 480 | MW-42-51 | 2/15/07 0825 | 3/1/07 1510 | 515.4 | 173 | ND | | ND | |
| Q4152 | 480 | MW-42-51 | 3/1/07 1510 | 3/2/07 1332 | 515.3 | 6.92 | ND | | ND | |
| Q4207 | 480 | MW-42-51 | 3/2/07 1332 | 3/5/07 1343 | 515.8 | 0.926 | ND | | ND | |
| Q4577 | 480 | MW-42-51 | 3/5/07 1343 | 3/7/07 1540 | 515.2 | 1.36 | ND | | ND | |
| Q4758 | 480 | MW-42-51 | 3/7/07 1540 | 3/9/07 1151 | 516.3 | 0.720 | ND | | ND | |
| Q4809 | 480 | MW-42-51 | 3/9/07 1151 | 3/12/07 1253 | 516.6 | 0.884 | ND | | ND | |
| Q5049 | 480 | MW-42-51 | 3/12/07 1253 | 3/14/07 1352 | 515.8 * | 0.795 | ND | | ND | |
| Q5451 | 480 | MW-42-51 | 3/14/07 1352 | 3/16/07 1145 | 515.7 | 1.37 | ND | | ND | |
| Q5334 | 480 | MW-42-51 | 3/16/07 1145 | 3/20/07 0917 | 515.6 | 1.35 | ND | | ND | |
| Q5659 | 480 | MW-42-51 | 3/20/07 0917 | 3/23/07 1310 | 517.8 | 0.424 | ND | | ND | |
| Q5659R | 480 | MW-42-51 | 3/20/07 0917 | 3/23/07 1310 | 516.8 * | 0.437 | ND | | ND | |
| Q5761 | 480 | MW-42-51 | 3/23/07 1310 | 3/26/07 1334 | 515.6 | 1.57 | ND | | ND | |
| Q6148 | 480 | MW-42-51 | 3/26/07 1334 | 3/29/07 1300 | 514.4 | 2.61 | ND | | ND | |
| Q6297 | 480 | MW-42-51 | 3/29/07 1300 | 4/2/07 1255 | 515.6 | 3.79 | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q6530 | 480 | MW-42-51 | 4/2/07 1255 | 4/6/07 1254 | 515.6 | 2.77 | ND | | ND | |
| Q6691 | 480 | MW-42-51 | 4/6/07 1254 | 4/10/07 1129 | 515.8 | 1.81 | ND | | ND | |
| Q6985 | 480 | MW-42-51 | 4/10/07 1129 | 4/17/07 1356 | 515.7 | 2.66 | ND | | ND | |
| Q7302 | 480 | MW-42-51 | 4/17/07 1356 | 4/24/07 0737 | 514.9 | 7.41 | ND | | ND | |
| Q7589 | 480 | MW-42-51 | 4/24/07 0737 | 5/1/07 0950 | 514.6 | 2.55 | ND | | ND | |
| Q8209 | 480 | MW-42-51 | 5/3/07 1030 | 5/10/07 0918 | 515.3 | 2.11 | ND | | ND | |
| **Q0789** | **490** | **MW-42-79** | **11/16/06 1059** | **11/21/06 0943** | **ND** | | **ND** | | **ND** | |
| Q1021 | 490 | MW-42-79 | 11/21/06 0943 | 11/28/06 1312 | ND | | ND | | ND | |
| Q1243 | 490 | MW-42-79 | 11/28/06 1312 | 12/6/06 1310 | ND | | ND | | ND | |
| Q1923 | 490 | MW-42-79 | 1/9/07 1433 | 1/24/07 1314 | ND | | ND | | ND | |
| Q3273 | 490 | MW-42-79 | 1/24/07 1314 | 2/15/07 0830 | 515.3 | 18.4 | ND | | ND | |
| Q4086 | 490 | MW-42-79 | 2/15/07 0830 | 3/1/07 1515 | 515.3 | 63.4 | ND | | ND | |
| Q4153 | 490 | MW-42-79 | 3/1/07 1515 | 3/2/07 1338 | 515.5 | 4.25 | ND | | ND | |
| Q4208 | 490 | MW-42-79 | 3/2/07 1338 | 3/5/07 1350 | 515.3 | 19.1 | ND | | ND | |
| Q4578 | 490 | MW-42-79 | 3/5/07 1350 | 3/7/07 1548 | 515.2 | 54.9 | ND | | ND | |
| Q4759 | 490 | MW-42-79 | 3/7/07 1548 | 3/9/07 1200 | 515.1 | 26.7 | ND | | ND | |
| Q4810 | 490 | MW-42-79 | 3/9/07 1200 | 3/12/07 1303 | 515.5 | 39.3 | ND | | ND | |
| Q5050 | 490 | MW-42-79 | 3/12/07 1303 | 3/14/07 1358 | 515.3 | 17.7 | ND | | ND | |
| Q5452 | 490 | MW-42-79 | 3/14/07 1358 | 3/16/07 1151 | 515.2 | 14.0 | ND | | ND | |
| Q5335 | 490 | MW-42-79 | 3/16/07 1151 | 3/20/07 0920 | 515.4 | 11.7 | ND | | ND | |
| Q5661 | 490 | MW-42-79 | 3/20/07 0920 | 3/23/07 1318 | 515.3 | 15.9 | ND | | ND | |
| Q5762 | 490 | MW-42-79 | 3/23/07 1318 | 3/26/07 1341 | 515.3 | 71.2 | ND | | ND | |
| Q6149 | 490 | MW-42-79 | 3/26/07 1341 | 3/29/07 1307 | 514.8 | 25.7 | ND | | ND | |
| Q6298 | 490 | MW-42-79 | 3/29/07 1307 | 4/2/07 1308 | 515.3 | 11.1 | ND | | ND | |
| Q6531 | 490 | MW-42-79 | 4/2/07 1308 | 4/6/07 1303 | 515.3 | 6.07 | ND | | ND | |
| Q6692 | 490 | MW-42-79 | 4/6/07 1303 | 4/10/07 1134 | 515.1 | 7.58 | ND | | ND | |
| Q6986 | 490 | MW-42-79 | 4/10/07 1134 | 4/17/07 1401 | 515.0 | 48.4 | ND | | ND | |
| Q7303 | 490 | MW-42-79 | 4/17/07 1401 | 4/24/07 0742 | 515.4 | 17.1 | ND | | ND | |
| Q7590 | 490 | MW-42-79 | 4/24/07 0742 | 5/1/07 0953 | 515.3 | 10.4 | ND | | ND | |
| Q8210 | 490 | MW-42-79 | 5/3/07 1033 | 5/10/07 0922 | 514.9 | 22.5 | ND | | ND | |
| **Q0790** | **510** | **MW-47-56** | **11/16/06 0925** | **11/21/06 1000** | **ND** | | **ND** | | **ND** | |
| Q1022 | 510 | MW-47-56 | 11/21/06 1000 | 11/28/06 1050 | ND | | ND | | ND | |
| Q1244 | 510 | MW-47-56 | 11/28/06 1050 | 12/6/06 1408 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q1929 | 510 | MW-47-56 | 1/12/07 1447 | 1/24/07 1143 | ND | | ND | | ND | |
| Q3274 | 510 | MW-47-56 | 1/24/07 1143 | 2/15/07 0955 | ND | | ND | | ND | |
| Q4089 | 510 | MW-47-56 | 2/15/07 0955 | 3/1/07 1509 | ND | | ND | | ND | |
| Q4596 | 510 | MW-47-56 | NDT | 3/7/07 0918 | ND | | ND | | ND | |
| Q4728 | 510 | MW-47-56 | 3/7/07 0923 | 3/9/07 1057 | ND | | ND | | ND | |
| Q4844 | 510 | MW-47-56 | 3/9/07 1057 | 3/12/07 1121 | ND | | ND | | ND | |
| Q5015 | 510 | MW-47-56 | 3/12/07 1121 | 3/14/07 1059 | ND | | ND | | ND | |
| Q5417 | 510 | MW-47-56 | 3/14/07 1059 | 3/16/07 0939 | ND | | ND | | ND | |
| Q5372 | 510 | MW-47-56 | 3/16/07 0939 | 3/20/07 0937 | ND | | ND | | ND | |
| Q5697 | 510 | MW-47-56 | 3/20/07 0937 | 3/23/07 1438 | ND | | ND | | ND | |
| Q5797 | 510 | MW-47-56 | 3/23/07 1438 | 3/26/07 1054 | ND | | ND | | ND | |
| Q6113 | 510 | MW-47-56 | 3/26/07 1054 | 3/29/07 1324 | ND | | ND | | ND | |
| Q6263 | 510 | MW-47-56 | 3/29/07 1324 | 4/2/07 1133 | ND | | ND | | ND | |
| Q6567 | 510 | MW-47-56 | 4/2/07 1133 | 4/6/07 0950 | ND | | ND | | ND | |
| Q6656 | 510 | MW-47-56 | 4/6/07 0950 | 4/9/07 1128 | ND | | ND | | ND | |
| Q6950 | 510 | MW-47-56 | 4/9/07 1128 | 4/17/07 1324 | ND | | ND | | ND | |
| Q7216 | 510 | MW-47-56 | 4/17/07 1324 | 4/23/07 0753 | ND | | ND | | ND | |
| Q7469 | 510 | MW-47-56 | 4/23/07 0753 | 4/30/07 0935 | ND | | ND | | ND | |
| Q8047 | 510 | MW-47-56 | 5/3/07 1014 | 5/8/07 1336 | ND | | ND | | ND | |
| **Q0791** | **520** | **MW-47-80** | **11/16/06 0934** | **11/21/06 1008** | **ND** | | **ND** | | **ND** | |
| Q1023 | 520 | MW-47-80 | 11/21/06 1008 | 11/28/06 1045 | ND | | ND | | ND | |
| Q1245 | 520 | MW-47-80 | 11/28/06 1045 | 12/6/06 1358 | ND | | ND | | ND | |
| Q1930 | 520 | MW-47-80 | 1/12/07 1500 | 1/24/07 1151 | ND | | ND | | ND | |
| Q3275 | 520 | MW-47-80 | 1/24/07 1151 | 2/13/07 1000 | ND | | ND | | ND | |
| Q4090 | 520 | MW-47-80 | 2/13/07 1000 | 3/1/07 1514 | ND | | ND | | ND | |
| Q4595 | 520 | MW-47-80 | NDT | 3/7/07 0923 | ND | | ND | | ND | |
| Q4729 | 520 | MW-47-80 | 3/7/07 0918 | 3/9/07 1101 | ND | | ND | | ND | |
| Q4845 | 520 | MW-47-80 | 3/9/07 1101 | 3/12/07 1125 | ND | | ND | | ND | |
| Q5016 | 520 | MW-47-80 | 3/12/07 1125 | 3/14/07 1103 | ND | | ND | | ND | |
| Q5418 | 520 | MW-47-80 | 3/14/07 1103 | 3/16/07 0943 | ND | | ND | | ND | |
| Q5373 | 520 | MW-47-80 | 3/16/07 0943 | 3/20/07 0941 | ND | | ND | | ND | |
| Q5698 | 520 | MW-47-80 | 3/20/07 0941 | 3/23/07 1442 | ND | | ND | | ND | |
| Q5798 | 520 | MW-47-80 | 3/23/07 1442 | 3/26/07 1058 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q6114 | 520 | MW-47-80 | 3/26/07 1058 | 3/29/07 1327 | ND | | ND | | ND | |
| Q6264 | 520 | MW-47-80 | 3/29/07 1327 | 4/2/07 1137 | ND | | ND | | ND | |
| Q6568 | 520 | MW-47-80 | 4/2/07 1137 | 4/6/07 0954 | ND | | ND | | ND | |
| Q6657 | 520 | MW-47-80 | 4/6/07 0954 | 4/9/07 1133 | ND | | ND | | ND | |
| Q6951 | 520 | MW-47-80 | 4/9/07 1133 | 4/17/07 1328 | ND | | ND | | ND | |
| Q7217 | 520 | MW-47-80 | 4/17/07 1328 | 4/23/07 0757 | ND | | ND | | ND | |
| Q7470 | 520 | MW-47-80 | 4/23/07 0757 | 4/30/07 0938 | ND | | ND | | ND | |
| Q8048 | 520 | MW-47-80 | 5/3/07 1016 | 5/8/07 1340 | ND | | ND | | ND | |
| **Q1246** | **550** | **MW-49-26** | **11/29/06 1126** | **12/7/06 0840** | **ND** | | **ND** | | **ND** | |
| Q2051 | 550 | MW-49-26 | 1/15/07 1402 | 2/1/07 1328 | ND | | ND | | ND | |
| Q2439 | 550 | MW-49-26 | 2/1/07 1328 | 2/8/07 1515 | ND | | ND | | ND | |
| Q2381 | 550 | MW-49-26 | 2/8/07 1515 | 2/9/07 1335 | ND | | ND | | ND | |
| Q2497 | 550 | MW-49-26 | 2/9/07 1335 | 2/10/07 0950 | ND | | ND | | ND | |
| Q2591 | 550 | MW-49-26 | 2/10/07 0950 | 2/11/07 0925 | ND | | ND | | ND | |
| Q2617 | 550 | MW-49-26 | 2/11/07 0925 | 2/12/07 1405 | ND | | ND | | ND | |
| Q2832 | 550 | MW-49-26 | 2/12/07 1405 | 2/13/07 1145 | ND | | ND | | ND | |
| Q2890 | 550 | MW-49-26 | 2/13/07 1145 | 2/14/07 0840 | ND | | ND | | ND | |
| Q3212 | 550 | MW-49-26 | 2/14/07 0840 | 2/16/07 1310 | ND | | ND | | ND | |
| Q3335 | 550 | MW-49-26 | 2/16/07 1310 | 2/19/07 1012 | ND | | ND | | ND | |
| Q3474 | 550 | MW-49-26 | 2/19/07 1012 | 2/21/07 0955 | ND | | ND | | ND | |
| Q3821 | 550 | MW-49-26 | 2/21/07 0955 | 2/23/07 0900 | ND | | ND | | ND | |
| Q3563 | 550 | MW-49-26 | 2/23/07 0900 | 2/26/07 0830 | ND | | ND | | ND | |
| Q3908 | 550 | MW-49-26 | 2/26/07 0830 | 2/28/07 1310 | ND | | ND | | ND | |
| Q4110 | 550 | MW-49-26 | 2/28/07 1310 | 3/2/07 1320 | ND | | ND | | ND | |
| Q4214 | 550 | MW-49-26 | 3/2/07 1320 | 3/5/07 1000 | ND | | ND | | ND | |
| Q4585 | 550 | MW-49-26 | 3/5/07 1000 | 3/7/07 0949 | ND | | ND | | ND | |
| Q4703 | 550 | MW-49-26 | 3/7/07 0949 | 3/9/07 1005 | ND | | ND | | ND | |
| Q4817 | 550 | MW-49-26 | 3/9/07 1005 | 3/12/07 0957 | ND | | ND | | ND | |
| Q5017 | 550 | MW-49-26 | 3/12/07 0957 | 3/14/07 0927 | ND | | ND | | ND | |
| Q5419 | 550 | MW-49-26 | 3/14/07 0927 | 3/16/07 0850 | ND | | ND | | ND | |
| Q5374 | 550 | MW-49-26 | 3/16/07 0850 | 3/19/07 0955 | ND | | ND | | ND | |
| Q5699 | 550 | MW-49-26 | 3/19/07 0955 | 3/23/07 0855 | ND | | ND | | ND | |
| Q5799 | 550 | MW-49-26 | 3/23/07 0855 | 3/26/07 0945 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q6115 | 550 | MW-49-26 | 3/26/07 0945 | 3/29/07 1438 | ND | | ND | | ND | |
| Q6265 | 550 | MW-49-26 | 3/29/07 1438 | 4/2/07 1053 | ND | | ND | | ND | |
| Q6569 | 550 | MW-49-26 | 4/2/07 1053 | 4/6/07 0855 | ND | | ND | | ND | |
| Q6658 | 550 | MW-49-26 | 4/6/07 0855 | 4/9/07 1059 | ND | | ND | | ND | |
| Q6952 | 550 | MW-49-26 | 4/9/07 1059 | 4/17/07 0810 | ND | | ND | | ND | |
| Q7218 | 550 | MW-49-26 | 4/17/07 0810 | 4/23/07 0922 | ND | | ND | | ND | |
| Q7471 | 550 | MW-49-26 | 4/23/07 0922 | 4/30/07 0910 | 516.6 * | 0.859 | ND | | ND | |
| Q8049 | 550 | MW-49-26 | 5/3/07 0803 | 5/9/07 0743 | 516.4 * | 1.36 | ND | | ND | |
| **Q1247** | **560** | **MW-49-42** | **11/29/06 1136** | **12/7/06 0836** | **ND** | | **ND** | | **ND** | |
| Q2052 | 560 | MW-49-42 | 1/15/07 1411 | 2/1/07 1338 | ND | | ND | | ND | |
| Q2441 | 560 | MW-49-42 | 2/1/07 1338 | 2/8/07 1520 | ND | | ND | | ND | |
| Q2382 | 560 | MW-49-42 | 2/8/07 1520 | 2/9/07 1325 | ND | | ND | | ND | |
| Q2592 | 560 | MW-49-42 | 2/10/07 0954 | 2/11/07 0930 | ND | | ND | | ND | |
| Q2611 | 560 | MW-49-42 | 2/9/07 1325 | 2/11/07 1425 | ND | | ND | | ND | |
| Q2618 | 560 | MW-49-42 | 2/11/07 0930 | 2/12/07 1410 | ND | | ND | | ND | |
| Q2833 | 560 | MW-49-42 | 2/12/07 1410 | 2/13/07 1150 | ND | | ND | | ND | |
| Q2891 | 560 | MW-49-42 | 2/13/07 1150 | 2/14/07 0845 | ND | | ND | | ND | |
| Q3213 | 560 | MW-49-42 | 2/14/07 0845 | 2/16/07 1315 | ND | | ND | | ND | |
| Q3336 | 560 | MW-49-42 | 2/16/07 1315 | 2/19/07 1008 | ND | | ND | | ND | |
| Q3475 | 560 | MW-49-42 | 2/19/07 1208 | 2/21/07 1000 | ND | | ND | | ND | |
| Q3822 | 560 | MW-49-42 | 2/21/07 1000 | 2/23/07 0905 | ND | | ND | | ND | |
| Q3564 | 560 | MW-49-42 | 2/23/07 0905 | 2/26/07 0835 | ND | | ND | | ND | |
| Q3909 | 560 | MW-49-42 | 2/26/07 0835 | 2/28/07 1315 | ND | | ND | | ND | |
| Q4111 | 560 | MW-49-42 | 2/28/07 1315 | 3/2/07 1325 | ND | | ND | | ND | |
| Q4215 | 560 | MW-49-42 | 3/2/07 1325 | 3/5/07 1005 | ND | | ND | | ND | |
| Q4586 | 560 | MW-49-42 | 3/5/07 1005 | 3/7/07 0953 | ND | | ND | | ND | |
| Q4704 | 560 | MW-49-42 | 3/7/07 0953 | 3/9/07 1010 | ND | | ND | | ND | |
| Q4818 | 560 | MW-49-42 | 3/9/07 1010 | 3/12/07 1001 | ND | | ND | | ND | |
| Q5018 | 560 | MW-49-42 | 3/12/07 1001 | 3/14/07 0931 | ND | | ND | | ND | |
| Q5421 | 560 | MW-49-42 | 3/14/07 0931 | 3/16/07 0855 | ND | | ND | | ND | |
| Q5375 | 560 | MW-49-42 | 3/16/07 0855 | 3/19/07 1000 | ND | | ND | | ND | |
| Q5701 | 560 | MW-49-42 | 3/19/07 1000 | 3/23/07 0900 | ND | | ND | | ND | |
| Q5801 | 560 | MW-49-42 | 3/23/07 0900 | 3/26/07 0949 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q6116 | 560 | MW-49-42 | 3/26/07 0949 | 3/29/07 1443 | ND | | ND | | ND | |
| Q6266 | 560 | MW-49-42 | 3/29/07 1443 | 4/2/07 1057 | ND | | ND | | ND | |
| Q6570 | 560 | MW-49-42 | 4/2/07 1057 | 4/6/07 0900 | ND | | ND | | ND | |
| Q6659 | 560 | MW-49-42 | 4/6/07 0900 | 4/9/07 1103 | ND | | ND | | ND | |
| Q6953 | 560 | MW-49-42 | 4/9/07 1103 | 4/17/07 0814 | ND | | ND | | ND | |
| Q7219 | 560 | MW-49-42 | 4/17/07 0814 | 4/23/07 0926 | ND | | ND | | ND | |
| Q7472 | 560 | MW-49-42 | 4/23/07 0926 | 4/30/07 0913 | ND | | ND | | ND | |
| Q8050 | 560 | MW-49-42 | 5/3/07 0805 | 5/9/07 0746 | ND | | ND | | ND | |
| **Q1248** | **570** | **MW-49-65** | **11/29/06 1142** | **12/7/06 0825** | **ND** | | **ND** | | **ND** | |
| Q2053 | 570 | MW-49-65 | 1/15/07 1406 | 2/1/07 1330 | ND | | ND | | ND | |
| Q2442 | 570 | MW-49-65 | 2/1/07 1330 | 2/8/07 1525 | ND | | ND | | ND | |
| Q2383 | 570 | MW-49-65 | 2/8/07 1525 | 2/9/07 1328 | ND | | ND | | ND | |
| Q2498 | 570 | MW-49-65 | 2/9/07 1328 | 2/10/07 0958 | ND | | ND | | ND | |
| Q2593 | 570 | MW-49-65 | 2/10/07 0958 | 2/11/07 0935 | ND | | ND | | ND | |
| Q2619 | 570 | MW-49-65 | 2/11/07 0935 | 2/12/07 1415 | ND | | ND | | ND | |
| Q2834 | 570 | MW-49-65 | 2/12/07 1415 | 2/13/07 1155 | ND | | ND | | ND | |
| Q2892 | 570 | MW-49-65 | 2/13/07 1155 | 2/14/07 0850 | ND | | ND | | ND | |
| Q3214 | 570 | MW-49-65 | 2/14/07 0850 | 2/16/07 1320 | ND | | ND | | ND | |
| Q3337 | 570 | MW-49-65 | 2/16/07 1320 | 2/19/07 1024 | ND | | ND | | ND | |
| Q3476 | 570 | MW-49-65 | 2/19/07 1024 | 2/21/07 1005 | ND | | ND | | ND | |
| Q3823 | 570 | MW-49-65 | 2/21/07 1005 | 2/23/07 0910 | ND | | ND | | ND | |
| Q3565 | 570 | MW-49-65 | 2/23/07 0910 | 2/26/07 0840 | ND | | ND | | ND | |
| Q3910 | 570 | MW-49-65 | 2/26/07 0840 | 2/28/07 1320 | ND | | ND | | ND | |
| Q4112 | 570 | MW-49-65 | 2/28/07 1320 | 3/2/07 1330 | ND | | ND | | ND | |
| Q4216 | 570 | MW-49-65 | 3/2/07 1330 | 3/5/07 1010 | ND | | ND | | ND | |
| Q4587 | 570 | MW-49-65 | 3/5/07 1010 | 3/7/07 0959 | ND | | ND | | ND | |
| Q4705 | 570 | MW-49-65 | 3/7/07 0959 | 3/9/07 1015 | ND | | ND | | ND | |
| Q4819 | 570 | MW-49-65 | 3/9/07 1015 | 3/12/07 1006 | ND | | ND | | ND | |
| Q5019 | 570 | MW-49-65 | 3/12/07 1006 | 3/14/07 0936 | ND | | ND | | ND | |
| Q5422 | 570 | MW-49-65 | 3/14/07 0936 | 3/16/07 0900 | ND | | ND | | ND | |
| Q5376 | 570 | MW-49-65 | 3/16/07 0900 | 3/19/07 1005 | ND | | ND | | ND | |
| Q5702 | 570 | MW-49-65 | 3/19/07 1005 | 3/23/07 0905 | ND | | ND | | ND | |
| Q5802 | 570 | MW-49-65 | 3/23/07 0905 | 3/26/07 0954 | ND | | ND | | ND | |

Results
Charcoal Samplers

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q6117 | 570 | MW-49-65 | 3/26/07 0954 | 3/29/07 1448 | ND | | ND | | ND | |
| Q6267 | 570 | MW-49-65 | 3/29/07 1448 | 4/2/07 1102 | ND | | ND | | ND | |
| Q6571 | 570 | MW-49-65 | 4/2/07 1102 | 4/6/07 0905 | ND | | ND | | ND | |
| Q6661 | 570 | MW-49-65 | 4/6/07 0905 | 4/9/07 1108 | ND | | ND | | ND | |
| Q6954 | 570 | MW-49-65 | 4/9/07 1108 | 4/17/07 0818 | ND | | ND | | ND | |
| Q7221 | 570 | MW-49-65 | 4/17/07 0818 | 4/23/07 0930 | ND | | ND | | ND | |
| Q7473 | 570 | MW-49-65 | 4/23/07 0930 | 4/30/07 0916 | ND | | ND | | ND | |
| Q8051 | 570 | MW-49-65 | 5/3/07 0807 | 5/9/07 0749 | ND | | ND | | ND | |
| **Q0792** | **580** | **MW-50-42** | **11/14/06 1450** | **11/20/06 0840** | **ND** | | **ND** | | **ND** | |
| Q1024 | 580 | MW-50-42 | 11/20/06 0840 | 11/27/06 0931 | ND | | ND | | ND | |
| Q1249 | 580 | MW-50-42 | 11/27/06 0951 | 12/5/06 1425 | ND | | ND | | ND | |
| Q2078 | 580 | MW-50-42 | 1/15/07 1020 | 2/1/07 1049 | ND | | ND | | ND | |
| Q2476 | 580 | MW-50-42 | 2/1/07 1049 | 2/8/07 1114 | ND | | ND | | ND | |
| Q2407 | 580 | MW-50-42 | 2/8/07 1114 | 2/9/07 1040 | ND | | ND | | ND | |
| Q2559 | 580 | MW-50-42 | 2/9/07 1040 | 2/10/07 0946 | ND | | ND | | ND | |
| Q2523 | 580 | MW-50-42 | 2/10/07 0946 | 2/11/07 0929 | ND | | ND | | ND | |
| Q2644 | 580 | MW-50-42 | 2/11/07 0929 | 2/12/07 1057 | ND | | ND | | ND | |
| Q2858 | 580 | MW-50-42 | 2/12/07 1057 | 2/13/07 0828 | ND | | ND | | ND | |
| Q2916 | 580 | MW-50-42 | 2/13/07 0828 | 2/14/07 0854 | ND | | ND | | ND | |
| Q3237 | 580 | MW-50-42 | 2/14/07 0854 | 2/16/07 0833 | ND | | ND | | ND | |
| Q3304 | 580 | MW-50-42 | 2/16/07 0833 | 2/19/07 0940 | ND | | ND | | ND | |
| Q3501 | 580 | MW-50-42 | 2/19/07 0940 | 2/21/07 1023 | ND | | ND | | ND | |
| Q3847 | 580 | MW-50-42 | 2/21/07 1023 | 2/23/07 0851 | ND | | ND | | ND | |
| Q3589 | 580 | MW-50-42 | 2/23/07 0851 | 2/26/07 1001 | ND | | ND | | ND | |
| Q3937 | 580 | MW-50-42 | 2/26/07 1001 | 2/28/07 1016 | ND | | ND | | ND | |
| Q4163 | 580 | MW-50-42 | 2/28/07 1016 | 3/2/07 0904 | ND | | ND | | ND | |
| Q4181 | 580 | MW-50-42 | 3/2/07 0904 | 3/5/07 0950 | ND | | ND | | ND | |
| Q4551 | 580 | MW-50-42 | 3/5/07 0950 | 3/7/07 1120 | ND | | ND | | ND | |
| Q4738 | 580 | MW-50-42 | 3/7/07 1120 | 3/9/07 0940 | ND | | ND | | ND | |
| Q4789 | 580 | MW-50-42 | 3/9/07 0940 | 3/12/07 0934 | ND | | ND | | ND | |
| Q5051 | 580 | MW-50-42 | 3/12/07 0834 | 3/14/07 0949 | ND | | ND | | ND | |
| Q5453 | 580 | MW-50-42 | 3/14/07 0949 | 3/16/07 0835 | ND | | ND | | ND | |
| Q5336 | 580 | MW-50-42 | 3/16/07 0835 | 3/19/07 1320 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q5662 | 580 | MW-50-42 | 3/19/07 1320 | 3/23/07 0850 | ND | | ND | | ND | |
| Q5763 | 580 | MW-50-42 | 3/23/07 0850 | 3/26/07 1017 | ND | | ND | | ND | |
| Q6150 | 580 | MW-50-42 | 3/26/07 1017 | 3/29/07 0918 | ND | | ND | | ND | |
| Q6299 | 580 | MW-50-42 | 3/29/07 0918 | 4/2/07 0915 | ND | | ND | | ND | |
| Q6532 | 580 | MW-50-42 | 4/2/07 0915 | 4/6/07 1046 | ND | | ND | | ND | |
| Q6693 | 580 | MW-50-42 | 4/6/07 1046 | 4/10/07 1059 | ND | | ND | | ND | |
| Q6987 | 580 | MW-50-42 | 4/10/07 1059 | 4/16/07 1025 | ND | | ND | | ND | |
| Q7304 | 580 | MW-50-42 | 4/16/07 1025 | 4/24/07 1012 | ND | | ND | | ND | |
| Q7591 | 580 | MW-50-42 | 4/24/07 1012 | 5/1/07 0919 | ND | | ND | | ND | |
| Q8073 | 580 | MW-50-42 | 5/3/07 0816 | 5/9/07 1054 | ND | | ND | | ND | |
| **Q0793** | **590** | **MW-50-67** | **11/14/06 1440** | **11/20/06 0820** | **ND** | | **ND** | | **ND** | |
| Q1025 | 590 | MW-50-67 | 11/20/06 0820 | 11/27/06 1004 | ND | | ND | | ND | |
| Q1250 | 590 | MW-50-67 | 11/27/06 1004 | 12/5/06 1422 | ND | | ND | | ND | |
| Q2079 | 590 | MW-50-67 | 1/15/07 1035 | 2/1/07 1101 | ND | | ND | | ND | |
| Q2477 | 590 | MW-50-67 | 2/1/07 1101 | 2/8/07 1121 | ND | | ND | | ND | |
| Q2408 | 590 | MW-50-67 | 2/8/07 1121 | 2/9/07 1042 | ND | | ND | | ND | |
| Q2561 | 590 | MW-50-67 | 2/9/07 1042 | 2/10/07 0948 | ND | | ND | | ND | |
| Q2524 | 590 | MW-50-67 | 2/10/07 0948 | 2/11/07 0933 | ND | | ND | | ND | |
| Q2645 | 590 | MW-50-67 | 2/11/07 0933 | 2/12/07 1102 | ND | | ND | | ND | |
| Q2859 | 590 | MW-50-67 | 2/12/07 1102 | 2/13/07 0831 | ND | | ND | | ND | |
| Q2917 | 590 | MW-50-67 | 2/13/07 0831 | 2/14/07 0855 | ND | | ND | | ND | |
| Q3238 | 590 | MW-50-67 | 2/14/07 0855 | 2/16/07 0835 | ND | | ND | | ND | |
| Q3305 | 590 | MW-50-67 | 2/16/07 0835 | 2/19/07 0945 | ND | | ND | | ND | |
| Q3502 | 590 | MW-50-67 | 2/19/07 0945 | 2/21/07 1028 | ND | | ND | | ND | |
| Q3848 | 590 | MW-50-67 | 2/21/07 1028 | 2/23/07 0858 | ND | | ND | | ND | |
| Q3590 | 590 | MW-50-67 | 2/23/07 0858 | 2/26/07 1004 | ND | | ND | | ND | |
| Q3938 | 590 | MW-50-67 | 2/26/07 1004 | 2/28/07 1021 | ND | | ND | | ND | |
| Q4164 | 590 | MW-50-67 | 2/28/07 1021 | 3/2/07 0909 | ND | | ND | | ND | |
| Q4182 | 590 | MW-50-67 | 3/2/07 0909 | 3/5/07 1302 | ND | | ND | | ND | |
| Q4552 | 590 | MW-50-67 | 3/5/07 1302 | 3/7/07 1128 | ND | | ND | | ND | |
| Q4739 | 590 | MW-50-67 | 3/7/07 1128 | 3/9/07 0945 | ND | | ND | | ND | |
| Q4790 | 590 | MW-50-67 | 3/9/07 0945 | 3/12/07 0938 | ND | | ND | | ND | |
| Q5052 | 590 | MW-50-67 | 3/12/07 0838 | 3/14/07 1000 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q5454 | 590 | MW-50-67 | 3/14/07 1000 | 3/16/07 0840 | ND | | ND | | ND | |
| Q5337 | 590 | MW-50-67 | 3/16/07 0840 | 3/19/07 1324 | ND | | ND | | ND | |
| Q5663 | 590 | MW-50-67 | 3/19/07 1324 | 3/23/07 0855 | ND | | ND | | ND | |
| Q5764 | 590 | MW-50-67 | 3/23/07 0855 | 3/26/07 1023 | ND | | ND | | ND | |
| Q6151 | 590 | MW-50-67 | 3/26/07 1023 | 3/29/07 0923 | ND | | ND | | ND | |
| Q6301 | 590 | MW-50-67 | 3/29/07 0923 | 4/2/07 0919 | ND | | ND | | ND | |
| Q6533 | 590 | MW-50-67 | 4/2/07 0919 | 4/6/07 1050 | ND | | ND | | ND | |
| Q6694 | 590 | MW-50-67 | 4/6/07 1050 | 4/10/07 1104 | ND | | ND | | ND | |
| Q6988 | 590 | MW-50-67 | 4/10/07 1104 | 4/16/07 1029 | ND | | ND | | ND | |
| Q7305 | 590 | MW-50-67 | 4/16/07 1029 | 4/24/07 1016 | ND | | ND | | ND | |
| Q7592 | 590 | MW-50-67 | 4/24/07 1016 | 5/1/07 0922 | ND | | ND | | ND | |
| Q8074 | 590 | MW-50-67 | 5/3/07 0814 | 5/9/07 1058 | ND | | ND | | ND | |
| **Q0794** | **610** | **MW-52A (21')** | **11/14/06 1405** | **11/20/06 1107** | **ND** | | **ND** | | **ND** | |
| Q1026 | 610 | MW-52A (21') | 11/20/06 1107 | 11/27/06 0905 | ND | | ND | | ND | |
| Q1251 | 610 | MW-52A (21') | 11/27/06 0905 | 12/4/06 1309 | ND | | ND | | ND | |
| Q2106 | 610 | MW-52A (21') | 1/15/07 1350 | 1/22/07 1300 | ND | | ND | | ND | |
| **Q0795** | **620** | **MW-52B (51')** | **11/14/06 1350** | **11/20/06 1112** | **ND** | | **ND** | | **ND** | |
| Q1027 | 620 | MW-52B (51') | 11/20/06 1112 | 11/27/06 0911 | ND | | ND | | ND | |
| Q1252 | 620 | MW-52B (51') | 11/27/06 0911 | 12/4/06 1310 | ND | | ND | | ND | |
| Q2107 | 620 | MW-52B (51') | 1/15/07 1350 | 1/22/07 1302 | ND | | ND | | ND | |
| **Q1253** | **625** | **MW-52C (66')** | **11/30/06 1320** | **12/4/06 1311** | **ND** | | **ND** | | **ND** | |
| Q2108 | 625 | MW-52C (66') | 1/15/07 1350 | 1/22/07 1305 | ND | | ND | | ND | |
| **Q1254** | **630** | **MW-52D (120')** | **11/30/06 1321** | **12/4/06 1312** | **ND** | | **ND** | | **ND** | |
| Q2109 | 630 | MW-52D (120') | 1/15/07 1350 | 1/22/07 1308 | ND | | ND | | ND | |
| **Q1255** | **635** | **MW-52E (125')** | **11/30/06 1322** | **12/4/06 1314** | **ND** | | **ND** | | **ND** | |
| Q2110 | 635 | MW-52E (125') | 1/15/07 1350 | 1/22/07 1310 | ND | | ND | | ND | |
| **Q0796** | **640** | **MW-52-12** | **11/14/06 1345** | **11/20/06 1115** | **ND** | | **ND** | | **ND** | |
| Q1028 | 640 | MW-52-12 | 11/20/06 1115 | 11/27/06 0901 | ND | | ND | | ND | |
| Q1256 | 640 | MW-52-12 | 11/27/06 0901 | 12/4/06 1315 | ND | | ND | | ND | |
| Q2094 | 640 | MW-52-12 | 1/15/07 1347 | 2/1/07 1124 | ND | | ND | | ND | |
| Q2423 | 640 | MW-52-12 | 2/1/07 1124 | 2/8/07 1554 | ND | | ND | | ND | |
| Q2457 | 640 | MW-52-12 | 2/8/07 1554 | 2/9/07 1132 | ND | | ND | | ND | |
| Q2549 | 640 | MW-52-12 | 2/9/07 1132 | 2/10/07 1526 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q2550 | 640 | MW-52-12 | 2/10/07 1526 | 2/11/07 1408 | ND | | ND | | ND | |
| Q2670 | 640 | MW-52-12 | 2/11/07 1408 | 2/12/07 1501 | ND | | ND | | ND | |
| Q2826 | 640 | MW-52-12 | 2/12/07 1501 | 2/13/07 1415 | ND | | ND | | ND | |
| Q2943 | 640 | MW-52-12 | 2/13/07 1415 | 2/14/07 1405 | ND | | ND | | ND | |
| Q3205 | 640 | MW-52-12 | 2/14/07 1405 | 2/15/07 1422 | ND | | ND | | ND | |
| Q3206 | 640 | MW-52-12 | 2/15/07 1422 | 2/16/07 1303 | ND | | ND | | ND | |
| Q3294 | 640 | MW-52-12 | 2/16/07 1303 | 2/19/07 1400 | ND | | ND | | ND | |
| Q3468 | 640 | MW-52-12 | 2/19/07 1400 | 2/21/07 1400 | ND | | ND | | ND | |
| Q3873 | 640 | MW-52-12 | 2/21/07 1400 | 2/23/07 1050 | ND | | ND | | ND | |
| Q3556 | 640 | MW-52-12 | 2/23/07 1050 | 2/26/07 1353 | ND | | ND | | ND | |
| Q3902 | 640 | MW-52-12 | 2/26/07 1353 | 2/28/07 0916 | ND | | ND | | ND | |
| Q4104 | 640 | MW-52-12 | 2/28/07 0916 | 3/2/07 1443 | ND | | ND | | ND | |
| Q4171 | 640 | MW-52-12 | 3/2/07 1442 | 3/5/07 1355 | ND | | ND | | ND | |
| Q4542 | 640 | MW-52-12 | 3/5/07 1355 | 3/7/07 1410 | ND | | ND | | ND | |
| Q4696 | 640 | MW-52-12 | 3/7/07 1410 | 3/9/07 1500 | ND | | ND | | ND | |
| Q4923 | 640 | MW-52-12 | 3/9/07 1500 | 3/12/07 1400 | ND | | ND | | ND | |
| Q5078 | 640 | MW-52-12 | 3/12/07 1400 | 3/14/07 1302 | ND | | ND | | ND | |
| Q5397 | 640 | MW-52-12 | 3/14/07 1302 | 3/16/07 0916 | ND | | ND | | ND | |
| Q5325 | 640 | MW-52-12 | 3/16/07 0916 | 3/19/07 1415 | ND | | ND | | ND | |
| Q5650 | 640 | MW-52-12 | 3/19/07 1415 | 3/23/07 1355 | ND | | ND | | ND | |
| Q5751 | 640 | MW-52-12 | 3/23/07 1355 | 3/26/07 1135 | ND | | ND | | ND | |
| Q6104 | 640 | MW-52-12 | 3/26/07 1135 | 3/29/07 1456 | ND | | ND | | ND | |
| Q6253 | 640 | MW-52-12 | 3/29/07 1456 | 4/2/07 1012 | ND | | ND | | ND | |
| Q6521 | 640 | MW-52-12 | 4/2/07 1012 | 4/6/07 0820 | ND | | ND | | ND | |
| Q6647 | 640 | MW-52-12 | 4/6/07 0810 | 4/9/07 1416 | ND | | ND | | ND | |
| Q6975 | 640 | MW-52-12 | 4/9/07 1416 | 4/16/07 0908 | ND | | ND | | ND | |
| Q7222 | 640 | MW-52-12 | 4/16/07 0908 | 4/23/07 0833 | ND | | ND | | ND | |
| Q7474 | 640 | MW-52-12 | 4/23/07 0833 | 4/30/07 0754 | ND | | ND | | ND | |
| Q8052 | 640 | MW-52-12 | 5/3/07 0846 | 5/8/07 1449 | ND | | ND | | ND | |
| **Q0797** | **650** | **MW-53-82** | **11/15/06 1353** | **11/20/06 1336** | **ND** | | **ND** | | **ND** | |
| Q1029 | 650 | MW-53-82 | 11/20/06 1336 | 11/27/06 1149 | ND | | ND | | ND | |
| Q1257 | 650 | MW-53-82 | 11/27/06 1149 | 12/6/06 1118 | ND | | ND | | ND | |
| Q2081 | 650 | MW-53-80 | 1/16/07 0922 | 2/1/07 1420 | ND | | 542.8 | 5.25 | ND | |

Results

Charcoal Samplers

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q2478 | 650 | MW-53-80 | 2/1/07 1420 | 2/8/07 1447 | ND | | ND | | ND | |
| Q2409 | 650 | MW-53-80 | 2/8/07 1447 | 2/9/07 1318 | ND | | ND | | ND | |
| Q2562 | 650 | MW-53-80 | 2/9/07 1318 | 2/10/07 1106 | ND | | ND | | ND | |
| Q2525 | 650 | MW-53-80 | 2/10/07 1106 | 2/11/07 1010 | ND | | ND | | ND | |
| Q2646 | 650 | MW-53-80 | 2/11/07 1010 | 2/12/07 1346 | ND | | ND | | ND | |
| Q2861 | 650 | MW-53-80 | 2/12/07 1346 | 2/13/07 1055 | 515.4 | 0.923 | ND | | ND | |
| Q2918 | 650 | MW-53-80 | 2/13/07 1055 | 2/14/07 1121 | 515.6 | 3.89 | ND | | ND | |
| Q3239 | 650 | MW-53-80 | 2/14/07 1121 | 2/16/07 1010 | 515.5 | 20.3 | ND | | ND | |
| Q3306 | 650 | MW-53-80 | 2/16/07 1010 | 2/19/07 1105 | 515.4 | 90.1 | ND | | ND | |
| Q3503 | 650 | MW-53-80 | 2/19/07 1105 | 2/21/07 1155 | 515.3 | 85.3 | ND | | ND | |
| Q3849 | 650 | MW-53-80 | 2/21/07 1155 | 2/23/07 1145 | 515.5 | 66.1 | ND | | ND | |
| Q3591 | 650 | MW-53-80 | 2/23/07 1145 | 2/26/07 1329 | 515.3 | 162 | ND | | ND | |
| Q3939 | 650 | MW-53-80 | 2/26/07 1329 | 2/28/07 1420 | 515.3 | 71.0 | ND | | ND | |
| Q4165 | 650 | MW-53-80 | 2/28/07 1420 | 3/2/07 1311 | 515.1 | 45.4 | ND | | ND | |
| Q4183 | 650 | MW-53-80 | 3/2/07 1311 | 3/5/07 1328 | 515.1 | 2.73 | ND | | ND | |
| Q4553 | 650 | MW-53-80 | 3/5/07 1328 | 3/7/07 1518 | 515.3 | 4.60 | ND | | ND | |
| Q4741 | 650 | MW-53-80 | 3/7/07 1518 | 3/9/07 1118 | 515.8 | 2.43 | ND | | ND | |
| Q4791 | 650 | MW-53-80 | 3/9/07 1118 | 3/12/07 1130 | 515.0 | 0.788 | ND | | ND | |
| Q5053 | 650 | MW-53-80 | 3/12/07 1130 | 3/14/07 1333 | 515.7 | 1.77 | ND | | ND | |
| Q5455 | 650 | MW-53-80 | 3/14/07 1333 | 3/16/07 1120 | 517.8 ** | 0.570 | ND | | ND | |
| Q5338 | 650 | MW-53-80 | 3/16/07 1120 | 3/20/07 0900 | 516.4 | 0.715 | ND | | ND | |
| Q5664 | 650 | MW-53-80 | 3/20/07 0900 | 3/23/07 1135 | 517.0 ** | 0.406 | ND | | ND | |
| Q5765 | 650 | MW-53-80 | 3/23/07 1135 | 3/26/07 1317 | ND | | ND | | ND | |
| Q6152 | 650 | MW-53-80 | 3/26/07 1317 | 3/29/07 1242 | ND | | ND | | ND | |
| Q6302 | 650 | MW-53-80 | 3/29/07 1242 | 4/2/07 1143 | ND | | ND | | ND | |
| Q6534 | 650 | MW-53-80 | 4/2/07 1143 | 4/6/07 1133 | ND | | ND | | ND | |
| Q6695 | 650 | MW-53-80 | 4/6/07 1133 | 4/10/07 1148 | ND | | ND | | ND | |
| Q6989 | 650 | MW-53-80 | 4/10/07 1148 | 4/17/07 1338 | ND | | ND | | ND | |
| Q7306 | 650 | MW-53-80 | 4/17/07 1338 | 4/24/07 1111 | ND | | ND | | ND | |
| Q7593 | 650 | MW-53-80 | 4/24/07 1111 | 5/1/07 0936 | ND | | ND | | ND | |
| Q8211 | 650 | MW-53-80 | 5/3/07 1023 | 5/10/07 0908 | ND | | ND | | ND | |
| **Q0798** | **660** | **MW-53-120** | **11/15/06 1340** | **11/20/06 1325** | **ND** | | **ND** | | **ND** | |
| Q1030 | 660 | MW-53-120 | 11/20/06 1325 | 11/27/06 1140 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results Peak nm | Fluorescein Results Conc. ppb | Eosine Results Peak nm | Eosine Results Conc. ppb | RWT Results Peak nm | RWT Results Conc. ppb |
|---|---|---|---|---|---|---|---|---|---|---|
| Q1258 | 660 | MW-53-120 | 11/27/06 1140 | 12/6/06 1057 | ND | | ND | | ND | |
| Q2082 | 660 | MW-53-120 | 1/16/07 0915 | 2/1/07 1425 | ND | | ND | | ND | |
| Q2479 | 660 | MW-53-120 | 2/1/07 1425 | 2/8/07 1450 | ND | | ND | | ND | |
| Q2410 | 660 | MW-53-120 | 2/8/07 1450 | 2/9/07 1320 | ND | | ND | | ND | |
| Q2563 | 660 | MW-53-120 | 2/9/07 1320 | 2/10/07 1109 | ND | | ND | | ND | |
| Q2526 | 660 | MW-53-120 | 2/10/07 1109 | 2/11/07 1011 | ND | | ND | | ND | |
| Q2647 | 660 | MW-53-120 | 2/11/07 1011 | 2/12/07 1349 | ND | | ND | | ND | |
| Q2862 | 660 | MW-53-120 | 2/12/07 1349 | 2/13/07 1058 | ND | | ND | | ND | |
| Q2919 | 660 | MW-53-120 | 2/13/07 1058 | 2/14/07 1123 | ND | | ND | | ND | |
| Q3241 | 660 | MW-53-120 | 2/14/07 1123 | 2/16/07 1015 | ND | | ND | | ND | |
| Q3307 | 660 | MW-53-120 | 2/16/07 1015 | 2/19/07 1110 | ND | | ND | | ND | |
| Q3504 | 660 | MW-53-120 | 2/19/07 1110 | 2/21/07 1159 | ND | | ND | | ND | |
| Q3850 | 660 | MW-53-120 | 2/21/07 1159 | 2/23/07 1149 | ND | | ND | | ND | |
| Q3592 | 660 | MW-53-120 | 2/23/07 1149 | 2/26/07 1333 | ND | | ND | | ND | |
| Q3941 | 660 | MW-53-120 | 2/26/07 1333 | 2/28/07 1427 | ND | | ND | | ND | |
| Q4166 | 660 | MW-53-120 | 2/28/07 1427 | 3/2/07 1317 | ND | | ND | | ND | |
| Q4184 | 660 | MW-53-120 | 3/2/07 1317 | 3/5/07 1332 | ND | | ND | | ND | |
| Q4554 | 660 | MW-53-120 | 3/5/07 1332 | 3/7/07 1523 | ND | | ND | | ND | |
| Q4742 | 660 | MW-53-120 | 3/7/07 1523 | 3/9/07 1122 | ND | | ND | | ND | |
| Q4792 | 660 | MW-53-120 | 3/9/07 1122 | 3/12/07 1136 | ND | | ND | | ND | |
| Q5054 | 660 | MW-53-120 | 3/12/07 1136 | 3/14/07 1340 | ND | | ND | | ND | |
| Q5456 | 660 | MW-53-120 | 3/14/07 1340 | 3/16/07 1124 | ND | | ND | | ND | |
| Q5339 | 660 | MW-53-120 | 3/16/07 1124 | 3/20/07 0903 | ND | | ND | | ND | |
| Q5665 | 660 | MW-53-120 | 3/20/07 0903 | 3/23/07 1142 | ND | | ND | | ND | |
| Q5766 | 660 | MW-53-120 | 3/23/07 1142 | 3/26/07 1322 | ND | | ND | | ND | |
| Q6153 | 660 | MW-53-120 | 3/26/07 1322 | 3/29/07 1250 | ND | | ND | | ND | |
| Q6303 | 660 | MW-53-120 | 3/29/07 1250 | 4/2/07 1148 | ND | | ND | | ND | |
| Q6535 | 660 | MW-53-120 | 4/2/07 1148 | 4/6/07 1140 | ND | | ND | | ND | |
| Q6696 | 660 | MW-53-120 | 4/6/07 1140 | 4/10/07 1154 | ND | | ND | | ND | |
| Q6990 | 660 | MW-53-120 | 4/10/07 1154 | 4/17/07 1343 | ND | | ND | | ND | |
| Q7307 | 660 | MW-53-120 | 4/17/07 1343 | 4/24/07 1116 | ND | | ND | | ND | |
| Q7594 | 660 | MW-53-120 | 4/24/07 1116 | 5/1/07 0940 | ND | | ND | | ND | |
| Q8212 | 660 | MW-53-120 | 5/3/07 1025 | 5/10/07 0913 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| **Q0799** | **670** | **MW-54A (37')** | **11/15/06 0845** | **11/20/06 1335** | **ND** | | **ND** | | **ND** | |
| Q1031 | 670 | MW-54A (37') | 11/20/06 1335 | 11/28/06 1002 | ND | | ND | | ND | |
| Q1259 | 670 | MW-54A (37') | 11/28/06 1002 | 12/5/06 1148 | ND | | ND | | ND | |
| Q2111 | 670 | MW-54A (37') | 1/22/07 1315 | 1/22/07 1015 | ND | | ND | | ND | |
| **Q0801** | **680** | **MW-54B (145')** | **11/15/06 0840** | **11/20/06 1330** | **ND** | | **ND** | | **ND** | |
| Q1032 | 680 | MW-54B (145') | 11/20/06 1330 | 11/28/06 1004 | ND | | ND | | ND | |
| Q1261 | 680 | MW-54B (145') | 11/28/06 1004 | 12/5/06 1150 | ND | | ND | | ND | |
| Q2112 | 680 | MW-54B (145') | 1/22/07 1315 | 1/22/07 1017 | ND | | ND | | ND | |
| **Q0802** | **690** | **MW-54C (175')** | **11/15/06 0913** | **11/20/06 1320** | **ND** | | **ND** | | **ND** | |
| Q1033 | 690 | MW-54C (175') | 11/20/06 1320 | 11/28/06 1006 | ND | | ND | | ND | |
| Q1262 | 690 | MW-54C (175') | 11/28/06 1006 | 12/5/06 1151 | ND | | ND | | ND | |
| Q2113 | 690 | MW-54C (175') | 1/22/07 1315 | 1/22/07 1017 | ND | | ND | | ND | |
| **Q1263** | **700** | **MW-54D (191')** | **11/28/06 1008** | **12/5/06 1152** | **ND** | | **ND** | | **ND** | |
| Q2114 | 700 | MW-54D (191') | 1/22/07 1315 | 1/22/07 1018 | ND | | ND | | ND | |
| **Q0803** | **710** | **MW-55-24** | **11/14/06 1000** | **11/20/06 1045** | **514.6 *** | **0.953** | **ND** | | **ND** | |
| Q1034 | 710 | MW-55-24 | 11/20/06 1045 | 11/27/06 0838 | 515.6 * | 1.13 | ND | | ND | |
| Q1264 | 710 | MW-55-24 | 11/27/06 0838 | 12/5/06 1000 | 517.0 * | 0.454 | ND | | ND | |
| Q1931 | 710 | MW-55-24 | 1/12/07 1424 | 1/24/07 1027 | 515.6 * | 0.623 | ND | | ND | |
| Q3276 | 710 | MW-55-24 | 1/24/07 1027 | 2/13/07 1035 | 517.7 * | 0.421 | ND | | ND | |
| Q4091 | 710 | MW-55-24 | 2/13/07 1035 | 3/1/07 0855 | 514.8 | 1.23 | ND | | ND | |
| Q5403 | 710 | MW-55-24 | 3/1/07 0855 | 3/15/07 0858 | 515.7 | 3.55 | ND | | ND | |
| Q5981 | 710 | MW-55-24 | 3/15/07 0858 | 3/28/07 0759 | 514.6 | 6.26 | ND | | ND | |
| Q6751 | 710 | MW-55-24 | 3/28/07 0759 | 4/11/07 1026 | 515.3 | 5.50 | ND | | ND | |
| Q7338 | 710 | MW-55-24 | 4/11/07 1026 | 4/25/07 1034 | 515.2 | 3.72 | ND | | ND | |
| Q8030 | 710 | MW-55-24 | 4/25/07 1034 | 5/9/07 1455 | 518.0 * | 0.785 | ND | | ND | |
| **Q0804** | **720** | **MW-55-34** | **11/14/06 1013** | **11/20/06 1047** | **ND** | | **ND** | | **ND** | |
| Q1035 | 720 | MW-55-34 | 11/20/06 1047 | 11/27/06 0815 | ND | | ND | | ND | |
| Q1265 | 720 | MW-55-34 | 11/27/06 0815 | 12/5/06 0956 | 517.0 * | 0.412 | ND | | ND | |
| Q1932 | 720 | MW-55-34 | 1/12/07 1418 | 1/24/07 1010 | ND | | ND | | ND | |
| Q3277 | 720 | MW-55-34 | 1/24/07 1010 | 2/13/07 1030 | 517.8 * | 0.488 | ND | | ND | |
| Q4092 | 720 | MW-55-34 | 2/13/07 1030 | 3/1/07 0851 | 515.5 | 0.754 | ND | | ND | |
| Q5404 | 720 | MW-55-34 | 3/1/07 0851 | 3/15/07 0901 | 515.3 | 6.08 | ND | | ND | |
| Q5982 | 720 | MW-55-34 | 3/15/07 0901 | 3/28/07 0805 | 514.6 | 7.87 | ND | | ND | |

Results

Charcoal Samplers

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q6752 | 720 | MW-55-34 | 3/28/07 0805 | 4/11/07 1031 | 514.9 | 4.33 | ND | | ND | |
| Q7339 | 720 | MW-55-34 | 4/11/07 1031 | 4/25/07 1030 | 515.6 | 2.94 | ND | | ND | |
| Q8031 | 720 | MW-55-34 | 4/25/07 1030 | 5/9/07 1500 | 515.6 | 1.38 | ND | | ND | |
| **Q0805** | **730** | **MW-55-54** | **11/14/06 1022** | **11/20/06 1049** | **ND** | | **ND** | | **ND** | |
| Q1036 | 730 | MW-55-54 | 11/20/06 1049 | 11/27/06 0830 | ND | | ND | | ND | |
| Q1266 | 730 | MW-55-54 | 11/27/06 0830 | 12/5/06 0958 | ND | | ND | | ND | |
| Q1933 | 730 | MW-55-54 | 1/12/07 1423 | 1/24/07 1019 | ND | | ND | | ND | |
| Q3278 | 730 | MW-55-54 | 1/24/07 1019 | 2/13/07 1025 | ND | | ND | | ND | |
| Q4093 | 730 | MW-55-54 | 2/13/07 1025 | 3/1/07 0847 | 515.2 | 23.1 | ND | | ND | |
| Q5405 | 730 | MW-55-54 | 3/1/07 0847 | 3/15/07 0905 | 515.5 | 27.7 | ND | | ND | |
| Q5983 | 730 | MW-55-54 | 3/15/07 0905 | 3/28/07 0812 | 515.1 | 28.7 | ND | | ND | |
| Q6753 | 730 | MW-55-54 | 3/28/07 0812 | 4/11/07 1036 | 515.7 | 4.24 | ND | | ND | |
| Q7341 | 730 | MW-55-54 | 4/11/07 1036 | 4/25/07 1025 | 515.8 | 5.86 | ND | | ND | |
| Q8032 | 730 | MW-55-54 | 4/25/07 1025 | 5/9/07 1457 | 516.2 | 1.83 | ND | | ND | |
| **Q0806** | **740** | **MW-56A (55')** | **11/15/06 1416** | **11/20/06 1310** | **ND** | | **ND** | | **ND** | |
| Q1037 | 740 | MW-56A (55') | 11/20/06 1310 | 11/27/06 1350 | ND | | ND | | ND | |
| Q1934 | 740 | MW-56-54 | 1/10/07 0957 | 1/24/07 1137 | ND | | ND | | ND | |
| Q3279 | 740 | MW 56-54 | 1/24/07 1137 | 2/15/07 0940 | ND | | ND | | ND | |
| Q4094 | 740 | MW-56-54 | 2/15/07 0940 | 3/1/07 1454 | ND | | ND | | ND | |
| Q4131 | 740 | MW-56-54 | 3/1/07 1454 | 3/2/07 1245 | ND | | ND | | ND | |
| Q4235 | 740 | MW-56-54 | 3/2/07 1245 | 3/5/07 1404 | ND | | ND | | ND | |
| Q4608 | 740 | MW-56-54 | 3/5/07 1404 | 3/7/07 0906 | ND | | ND | | ND | |
| Q4723 | 740 | MW-56-54 | 3/7/07 0906 | 3/9/07 1048 | ND | | ND | | ND | |
| Q4838 | 740 | MW-56-54 | 3/9/07 1048 | 3/12/07 1109 | ND | | ND | | ND | |
| Q5021 | 740 | MW-56-54 | 3/12/07 1109 | 3/14/07 1047 | ND | | ND | | ND | |
| Q5423 | 740 | MW-56-54 | 3/14/07 1047 | 3/16/07 0928 | ND | | ND | | ND | |
| Q5377 | 740 | MW-56-54 | 3/16/07 0928 | 3/20/07 1256 | ND | | ND | | ND | |
| Q5703 | 740 | MW-56-54 | 3/20/07 1256 | 3/23/07 1424 | ND | | ND | | ND | |
| Q5803 | 740 | MW-56-54 | 3/23/07 1424 | 3/26/07 1047 | ND | | ND | | ND | |
| Q6118 | 740 | MW-56-54 | 3/26/07 1047 | 3/29/07 1340 | ND | | ND | | ND | |
| Q6268 | 740 | MW-56-54 | 3/29/07 1340 | 4/2/07 1120 | ND | | ND | | ND | |
| Q6572 | 740 | MW-56-54 | 4/2/07 1120 | 4/6/07 0939 | ND | | ND | | ND | |
| Q6662 | 740 | MW-56-54 | 4/6/07 0939 | 4/9/07 1119 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q6955 | 740 | MW-56-54 | 4/9/07 1119 | 4/17/07 1310 | ND | | ND | | ND | |
| Q7223 | 740 | MW-56-54 | 4/17/07 1310 | 4/23/07 0809 | ND | | ND | | ND | |
| Q7475 | 740 | MW-56-54 | 4/23/07 0809 | 4/30/07 0929 | ND | | ND | | ND | |
| Q8053 | 740 | MW-56-54 | 5/3/07 1007 | 5/8/07 1348 | ND | | ND | | ND | |
| **Q0807** | **750** | **MW-56B (75')** | **11/15/06 1422** | **11/20/06 1302** | **ND** | | **ND** | | **ND** | |
| Q1038 | 750 | MW-56B (75') | 11/20/06 1302 | 11/27/06 1355 | ND | | ND | | ND | |
| Q1267 | 750 | MW-56B (75') | 11/27/06 1355 | 12/5/06 0842 | ND | | ND | | ND | |
| Q1935 | 750 | MW-56-85 | 1/10/07 1012 | 1/24/07 1132 | ND | | ND | | ND | |
| Q3281 | 750 | MW-56-85 | 1/24/07 1132 | 2/15/07 0945 | ND | | ND | | ND | |
| Q4095 | 750 | MW-56-85 | 2/15/07 0945 | 3/1/07 1500 | ND | | ND | | ND | |
| Q4132 | 750 | MW-56-85 | 3/1/07 1500 | 3/2/07 1249 | ND | | ND | | ND | |
| Q4236 | 750 | MW-56-85 | 3/2/07 1249 | 3/5/07 1410 | ND | | ND | | ND | |
| Q4609 | 750 | MW-56-85 | 3/5/07 1410 | 3/7/07 0910 | ND | | ND | | ND | |
| Q4724 | 750 | MW-56-85 | 3/7/07 0910 | 3/9/07 1051 | ND | | ND | | ND | |
| Q4839 | 750 | MW-56-85 | 3/9/07 1051 | 3/12/07 1112 | ND | | ND | | ND | |
| Q5022 | 750 | MW-56-85 | 3/12/07 1112 | 3/14/07 1050 | ND | | ND | | ND | |
| Q5424 | 750 | MW-56-85 | 3/14/07 1050 | 3/16/07 0932 | ND | | ND | | ND | |
| Q5378 | 750 | MW-56-85 | 3/16/07 0932 | 3/20/07 1301 | ND | | ND | | ND | |
| Q5704 | 750 | MW-56-85 | 3/20/07 1301 | 3/23/07 1428 | ND | | ND | | ND | |
| Q5804 | 750 | MW-56-85 | 3/23/07 1428 | 3/26/07 1043 | ND | | ND | | ND | |
| Q6119 | 750 | MW-56-85 | 3/26/07 1043 | 3/29/07 1344 | ND | | ND | | ND | |
| Q6269 | 750 | MW-56-85 | 3/29/07 1344 | 4/2/07 1124 | ND | | ND | | ND | |
| Q6573 | 750 | MW-56-85 | 4/2/07 1124 | 4/6/07 0943 | ND | | ND | | ND | |
| Q6663 | 750 | MW-56-85 | 4/6/07 0943 | 4/9/07 1124 | ND | | ND | | ND | |
| Q6956 | 750 | MW-56-85 | 4/9/07 1124 | 4/17/07 1314 | ND | | ND | | ND | |
| Q7224 | 750 | MW-56-85 | 4/17/07 1314 | 4/23/07 0813 | ND | | ND | | ND | |
| Q7476 | 750 | MW-56-85 | 4/23/07 0813 | 4/30/07 0932 | ND | | ND | | ND | |
| Q8054 | 750 | MW-56-85 | 5/3/07 1010 | 5/8/07 1352 | ND | | ND | | ND | |
| **Q0808** | **770** | **MW-57-11** | **11/15/06 0755** | **11/20/06 1306** | **ND** | | **ND** | | **ND** | |
| Q1039 | 770 | MW-57-11 | 11/20/06 1306 | 11/27/06 1124 | ND | | ND | | ND | |
| Q1268 | 770 | MW-57-11 | 11/27/06 1124 | 12/4/06 1046 | ND | | ND | | ND | |
| Q2054 | 770 | MW-57-11 | 1/15/07 1204 | 2/1/07 1006 | ND | | ND | | ND | |
| Q2443 | 770 | MW-57-11 | 2/1/07 1006 | 2/8/07 1500 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q2384 | 770 | MW-57-11 | 2/8/07 1500 | 2/9/07 1405 | ND | | ND | | ND | |
| Q2499 | 770 | MW-57-11 | 2/9/07 1405 | 2/10/07 1118 | ND | | ND | | ND | |
| Q2594 | 770 | MW-57-11 | 2/10/07 1118 | 2/11/07 1530 | ND | | ND | | ND | |
| Q2621 | 770 | MW-57-11 | 2/11/07 1330 | 2/12/07 1050 | ND | | ND | | ND | |
| Q2835 | 770 | MW-57-11 | 2/12/07 1050 | 2/13/07 1310 | ND | | ND | | ND | |
| Q2893 | 770 | MW-57-11 | 2/13/07 1310 | 2/14/07 1040 | ND | | ND | | ND | |
| Q3215 | 770 | MW-57-11 | 2/14/07 1040 | 2/16/07 1038 | ND | | ND | | ND | |
| Q3338 | 770 | MW-57-11 | 2/16/07 1038 | 2/19/07 1056 | ND | | ND | | ND | |
| Q3477 | 770 | MW-57-11 | 2/19/07 1056 | 2/21/07 1034 | ND | | ND | | ND | |
| Q3824 | 770 | MW-57-11 | 2/21/07 1034 | 2/23/07 1009 | ND | | ND | | ND | |
| Q3566 | 770 | MW-57-11 | 2/23/07 1009 | 2/26/07 1040 | 515.5 | 7.20 | ND | | ND | |
| Q3911 | 770 | MW-57-11 | 2/26/07 1040 | 2/28/07 1358 | 515.2 | 12.6 | ND | | ND | |
| Q4113 | 770 | MW-57-11 | 2/28/07 1358 | 3/2/07 0847 | 515.3 | 19.8 | ND | | ND | |
| Q4217 | 770 | MW-57-11 | 3/2/07 0847 | 3/5/07 1041 | 515.3 | 16.7 | ND | | ND | |
| Q4588 | 770 | MW-57-11 | 3/5/07 1041 | 3/7/07 1413 | 515.3 | 28.8 | ND | | ND | |
| Q4706 | 770 | MW-57-11 | 3/7/07 1413 | 3/9/07 0912 | 515.1 | 17.2 | ND | | ND | |
| Q4821 | 770 | MW-57-11 | 3/9/07 0912 | 3/12/07 1035 | 515.5 | 32.5 | ND | | ND | |
| Q5023 | 770 | MW-57-11 | 3/12/07 1035 | 3/14/07 1000 | 515.1 | 24.5 | ND | | ND | |
| Q5425 | 770 | MW-57-11 | 3/14/07 1000 | 3/16/07 1144 | 515.5 | 25.2 | ND | | ND | |
| Q5379 | 770 | MW-57-11 | 3/16/07 1144 | 3/19/07 1029 | 515.5 | 19.0 | ND | | ND | |
| Q5705 | 770 | MW-57-11 | 3/19/07 1029 | 3/23/07 1018 | 515.6 | 27.3 | ND | | ND | |
| Q5805 | 770 | MW-57-11 | 3/23/07 1018 | 3/26/07 1018 | 515.3 | 6.67 | ND | | ND | |
| Q6121 | 770 | MW-57-11 | 3/26/07 1018 | 3/29/07 1504 | 515.3 | 5.31 | ND | | ND | |
| Q6270 | 770 | MW-57-11 | 3/29/07 1504 | 4/2/07 0940 | 515.8 | 2.66 | ND | | ND | |
| Q6574 | 770 | MW-57-11 | 4/2/07 0940 | 4/6/07 1128 | 515.8 | 2.86 | ND | | ND | |
| Q6664 | 770 | MW-57-11 | 4/6/07 1128 | 4/9/07 0953 | 515.0 | 1.61 | ND | | ND | |
| Q6957 | 770 | MW-57-11 | 4/9/07 0953 | 4/16/07 1047 | 516.1 | 4.10 | ND | | ND | |
| Q7225 | 770 | MW-57-11 | 4/16/07 1047 | 4/23/07 0951 | 517.2 ** | 0.728 | ND | | ND | |
| Q7477 | 770 | MW-57-11 | 4/23/07 0951 | 4/30/07 0847 | 518.4 ** | 1.16 | ND | | ND | |
| Q8055 | 770 | MW-57-11 | 5/3/07 0824 | 5/9/07 1525 | 518.0 * | 0.740 | ND | | ND | |
| **Q0809** | **780** | **MW-57-20** | **11/15/06 0805** | **11/20/06 1307** | **ND** | | **ND** | | **ND** | |
| Q1041 | 780 | MW-57-20 | 11/20/06 1307 | 11/27/06 1127 | ND | | ND | | ND | |
| Q1269 | 780 | MW-57-20 | 11/27/06 1127 | 12/4/06 1041 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results Peak nm | Fluorescein Results Conc. ppb | Eosine Results Peak nm | Eosine Results Conc. ppb | RWT Results Peak nm | RWT Results Conc. ppb |
|---|---|---|---|---|---|---|---|---|---|---|
| Q2055 | 780 | MW-57-20 | 1/15/07 1155 | 2/1/07 1002 | ND | | ND | | ND | |
| Q2444 | 780 | MW-57-20 | 2/1/07 1002 | 2/8/07 1455 | ND | | ND | | ND | |
| Q2385 | 780 | MW-57-20 | 2/8/07 1455 | 2/9/07 1408 | ND | | ND | | ND | |
| Q2501 | 780 | MW-57-20 | 2/9/07 1408 | 2/10/07 1114 | ND | | ND | | ND | |
| Q2595 | 780 | MW-57-20 | 2/10/07 1114 | 2/11/07 1050 | ND | | ND | | ND | |
| Q2622 | 780 | MW-57-20 | 2/11/07 1050 | 2/12/07 1045 | ND | | ND | | ND | |
| Q2836 | 780 | MW-57-20 | 2/12/07 1045 | 2/13/07 1305 | ND | | ND | | ND | |
| Q2894 | 780 | MW-57-20 | 2/13/07 1305 | 2/14/07 1035 | ND | | ND | | ND | |
| Q3216 | 780 | MW-57-20 | 2/14/07 1035 | 2/16/07 1035 | ND | | ND | | ND | |
| Q3339 | 780 | MW-57-20 | 2/16/07 1035 | 2/19/07 1053 | ND | | ND | | ND | |
| Q3478 | 780 | MW-57-20 | 2/19/07 1053 | 2/21/07 1030 | ND | | ND | | ND | |
| Q3825 | 780 | MW-57-20 | 2/21/07 1030 | 2/23/07 1005 | ND | | ND | | ND | |
| Q3567 | 780 | MW-57-20 | 2/23/07 1005 | 2/26/07 1036 | ND | | ND | | ND | |
| Q3912 | 780 | MW-57-20 | 2/26/07 1036 | 2/28/07 1402 | ND | | ND | | ND | |
| Q4114 | 780 | MW-57-20 | 2/28/07 1402 | 3/2/07 0844 | ND | | ND | | ND | |
| Q4218 | 780 | MW-57-20 | 3/2/07 0844 | 3/5/07 1038 | ND | | ND | | ND | |
| Q4589 | 780 | MW-57-20 | 3/5/07 1038 | 3/7/07 1411 | ND | | ND | | ND | |
| Q4707 | 780 | MW-57-20 | 3/7/07 1411 | 3/9/07 0909 | ND | | ND | | ND | |
| Q4822 | 780 | MW-57-20 | 3/9/07 0909 | 3/12/07 1032 | ND | | ND | | ND | |
| Q5024 | 780 | MW-57-20 | 3/12/07 1032 | 3/14/07 0957 | ND | | ND | | ND | |
| Q5426 | 780 | MW-57-20 | 3/14/07 0957 | 3/16/07 1140 | ND | | ND | | ND | |
| Q5381 | 780 | MW-57-20 | 3/16/07 1140 | 3/19/07 1026 | ND | | ND | | ND | |
| Q5706 | 780 | MW-57-20 | 3/19/07 1026 | 3/23/07 1014 | ND | | ND | | ND | |
| Q5806 | 780 | MW-57-20 | 3/23/07 1014 | 3/26/07 1014 | ND | | ND | | ND | |
| Q6122 | 780 | MW-57-20 | 3/26/07 1014 | 3/29/07 1505 | ND | | ND | | ND | |
| Q6271 | 780 | MW-57-20 | 3/29/07 1505 | 4/2/07 0936 | ND | | ND | | ND | |
| Q6575 | 780 | MW-57-20 | 4/2/07 0936 | 4/6/07 1124 | ND | | ND | | ND | |
| Q6665 | 780 | MW-57-20 | 4/6/07 1124 | 4/9/07 0949 | ND | | ND | | ND | |
| Q6958 | 780 | MW-57-20 | 4/9/07 0949 | 4/16/07 1044 | ND | | ND | | ND | |
| Q7226 | 780 | MW-57-20 | 4/16/07 1044 | 4/23/07 0948 | ND | | ND | | ND | |
| Q7478 | 780 | MW-57-20 | 4/23/07 0948 | 4/30/07 0844 | ND | | ND | | ND | |
| Q8056 | 780 | MW-57-20 | 5/3/07 0822 | 5/9/07 1528 | ND | | ND | | ND | |
| **Q0810** | **790** | **MW-57-45** | **11/15/06 0813** | **11/20/06 1305** | **ND** | | **ND** | | **ND** | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q1042 | 790 | MW-57-45 | 11/20/06 1305 | 11/27/06 1120 | ND | | ND | | ND | |
| Q1270 | 790 | MW-57-45 | 11/27/06 1120 | 12/4/06 1038 | ND | | ND | | ND | |
| Q2056 | 790 | MW-57-45 | 1/15/07 1159 | 2/1/07 0958 | ND | | ND | | ND | |
| Q2445 | 790 | MW-57-45 | 2/1/07 0958 | 2/8/07 1450 | ND | | ND | | ND | |
| Q2386 | 790 | MW-57-45 | 2/8/07 1450 | 2/9/07 1412 | ND | | ND | | ND | |
| Q2502 | 790 | MW-57-45 | 2/9/07 1412 | 2/10/07 1110 | ND | | ND | | ND | |
| Q2596 | 790 | MW-57-45 | 2/10/07 1110 | 2/11/07 1043 | ND | | ND | | ND | |
| Q2623 | 790 | MW-57-45 | 2/11/07 1043 | 2/12/07 1040 | ND | | ND | | ND | |
| Q2837 | 790 | MW-57-45 | 2/12/07 1040 | 2/13/07 1300 | ND | | ND | | ND | |
| Q2895 | 790 | MW-57-45 | 2/13/07 1300 | 2/14/07 1030 | ND | | ND | | ND | |
| Q3217 | 790 | MW-57-45 | 2/14/07 1030 | 2/16/07 1030 | ND | | ND | | ND | |
| Q3341 | 790 | MW-57-45 | 2/16/07 1030 | 2/19/07 1047 | ND | | ND | | ND | |
| Q3479 | 790 | MW-57-45 | 2/19/07 1047 | 2/21/07 1025 | ND | | ND | | ND | |
| Q3826 | 790 | MW-57-45 | 2/21/07 1025 | 2/23/07 1002 | ND | | ND | | ND | |
| Q3568 | 790 | MW-57-45 | 2/23/07 1002 | 2/26/07 1032 | ND | | ND | | ND | |
| Q3913 | 790 | MW-57-45 | 2/26/07 1032 | 2/28/07 1407 | ND | | ND | | ND | |
| Q4115 | 790 | MW-57-45 | 2/28/07 1407 | 3/2/07 0840 | ND | | ND | | ND | |
| Q4219 | 790 | MW-57-45 | 3/2/07 0840 | 3/5/07 1034 | ND | | ND | | ND | |
| Q4590 | 790 | MW-57-45 | 3/5/07 1034 | 3/7/07 1407 | ND | | ND | | ND | |
| Q4708 | 790 | MW-57-45 | 3/7/07 1407 | 3/9/07 0906 | ND | | ND | | ND | |
| Q4823 | 790 | MW-57-45 | 3/9/07 0906 | 3/12/07 1028 | ND | | ND | | ND | |
| Q5025 | 790 | MW-57-45 | 3/12/07 1028 | 3/14/07 0953 | ND | | ND | | ND | |
| Q5427 | 790 | MW-57-45 | 3/14/07 0953 | 3/16/07 1136 | ND | | ND | | ND | |
| Q5382 | 790 | MW-57-45 | 3/16/07 1136 | 3/19/07 1022 | ND | | ND | | ND | |
| Q5707 | 790 | MW-57-45 | 3/19/07 1022 | 3/23/07 1010 | ND | | ND | | ND | |
| Q5807 | 790 | MW-57-45 | 3/23/07 1010 | 3/26/07 1010 | ND | | ND | | ND | |
| Q6123 | 790 | MW-57-45 | 3/26/07 1010 | 3/29/07 1503 | ND | | ND | | ND | |
| Q6272 | 790 | MW-57-45 | 3/29/07 1503 | 4/2/07 0932 | ND | | ND | | ND | |
| Q6576 | 790 | MW-57-45 | 4/2/07 0932 | 4/6/07 1119 | ND | | ND | | ND | |
| Q6666 | 790 | MW-57-45 | 4/6/07 1119 | 4/9/07 0945 | ND | | ND | | ND | |
| Q6959 | 790 | MW-57-45 | 4/9/07 0945 | 4/16/07 1039 | ND | | ND | | ND | |
| Q7227 | 790 | MW-57-45 | 4/16/07 1039 | 4/23/07 0944 | ND | | ND | | ND | |
| Q7479 | 790 | MW-57-45 | 4/23/07 0944 | 4/30/07 0841 | ND | | ND | | ND | |

Results

Charcoal Samplers

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q8057 | 790 | MW-57-45 | 5/3/07 0820 | 5/9/07 1531 | ND | | ND | | ND | |
| **Q1271** | **800** | **MW-58-26** | **11/29/06 1336** | **12/5/06 1316** | **515.2 *** | **1.09** | **ND** | | **ND** | |
| Q2057 | 800 | MW-58-26 | 1/16/07 0950 | 2/1/07 1019 | 515.7 * | 2.42 | ND | | ND | |
| Q2446 | 800 | MW-58-26 | 2/1/07 1019 | 2/8/07 1435 | 516.0 * | 1.11 | ND | | ND | |
| Q2387 | 800 | MW-58-26 | 2/8/07 1435 | 2/9/07 1350 | ND | | ND | | ND | |
| Q2597 | 800 | MW-58-26 | 2/10/07 1053 | 2/11/07 1025 | ND | | ND | | ND | |
| Q2610 | 800 | MW-58-26 | 2/9/07 1350 | 2/11/07 1434 | ND | | ND | | ND | |
| Q2624 | 800 | MW-58-26 | 2/11/07 1025 | 2/12/07 1020 | ND | | ND | | ND | |
| Q2838 | 800 | MW-58-26 | 2/12/07 1020 | 2/13/07 1115 | ND | | ND | | ND | |
| Q2896 | 800 | MW-58-26 | 2/13/07 1115 | 2/14/07 1010 | ND | | ND | | ND | |
| Q3218 | 800 | MW-58-26 | 2/14/07 1010 | 2/16/07 0945 | ND | | ND | | ND | |
| Q3342 | 800 | MW-58-26 | 2/16/07 0945 | 2/19/07 1105 | ND | | ND | | ND | |
| Q3481 | 800 | MW-58-26 | 2/19/07 1105 | 2/21/07 1042 | ND | | ND | | ND | |
| Q3827 | 800 | MW-58-26 | 2/21/07 1042 | 2/23/07 0942 | ND | | ND | | ND | |
| Q3569 | 800 | MW-58-26 | 2/23/07 0942 | 2/26/07 0855 | ND | | ND | | ND | |
| Q3914 | 800 | MW-58-26 | 2/26/07 0855 | 2/28/07 1335 | ND | | ND | | ND | |
| Q4116 | 800 | MW-58-26 | 2/28/07 1335 | 3/2/07 1308 | ND | | ND | | ND | |
| Q4221 | 800 | MW-58-26 | 3/2/07 1308 | 3/5/07 1046 | 515.9 * | 1.39 | ND | | ND | |
| Q4591 | 800 | MW-58-26 | 3/5/07 1046 | 3/7/07 1333 | 516.3 * | 0.933 | ND | | ND | |
| Q4709 | 800 | MW-58-26 | 3/7/07 1333 | 3/9/07 0920 | 516.1 * | 1.09 | ND | | ND | |
| Q4824 | 800 | MW-58-26 | 3/9/07 0920 | 3/12/07 1043 | 516.4 * | 0.991 | ND | | ND | |
| Q5026 | 800 | MW-58-26 | 3/12/07 1043 | 3/14/07 1008 | 515.0 * | 0.581 | ND | | ND | |
| Q5428 | 800 | MW-58-26 | 3/14/07 1008 | 3/16/07 0913 | 514.2 * | 0.676 | ND | | ND | |
| Q5383 | 800 | MW-58-26 | 3/16/07 0913 | 3/19/07 1038 | 515.8 * | 0.704 | ND | | ND | |
| Q5708 | 800 | MW-58-26 | 3/19/07 1038 | 3/23/07 0955 | 514.4 * | 2.38 | ND | | ND | |
| Q5808 | 800 | MW-58-26 | 3/23/07 0955 | 3/26/07 1026 | 515.2 * | 1.09 | ND | | ND | |
| Q5808D | 800 | MW-58-26 | 3/23/07 0955 | 3/26/07 1026 | 514.8 * | 1.01 | ND | | ND | |
| Q6124 | 800 | MW-58-26 | 3/26/07 1026 | 3/29/07 1515 | 515.6 * | 2.04 | ND | | ND | |
| Q6273 | 800 | MW-58-26 | 3/29/07 1515 | 4/2/07 0957 | 516.0 * | 0.807 | ND | | ND | |
| Q6577 | 800 | MW-58-26 | 4/2/07 0957 | 4/6/07 0919 | ND | | ND | | ND | |
| Q6667 | 800 | MW-58-26 | 4/6/07 0919 | 4/9/07 1009 | ND | | ND | | ND | |
| Q6961 | 800 | MW-58-26 | 4/9/07 1009 | 4/17/07 1044 | 514.8 * | 1.50 | ND | | ND | |
| Q7228 | 800 | MW-58-26 | 4/17/07 1044 | 4/23/07 1006 | 515.0 * | 1.08 | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results Peak nm | Fluorescein Results Conc. ppb | Eosine Results Peak nm | Eosine Results Conc. ppb | RWT Results Peak nm | RWT Results Conc. ppb |
|---|---|---|---|---|---|---|---|---|---|---|
| Q7481 | 800 | MW-58-26 | 4/23/07 1006 | 4/30/07 0855 | 516.2 * | 1.11 | ND | | ND | |
| Q8203 | 800 | MW-58-26 | 5/3/07 0832 | 5/10/07 0828 | ND | | ND | | ND | |
| **Q1272** | **810** | **MW-58-65** | **11/29/06 1342** | **12/5/06 1314** | **ND** | | **ND** | | **ND** | |
| Q2058 | 810 | MW-58-65 | 1/16/07 0945 | 2/1/07 1021 | 517.2 * | 1.31 | ND | | ND | |
| Q2447 | 810 | MW-58-65 | 2/1/07 1021 | 2/8/07 1440 | 517.2 * | 0.913 | ND | | ND | |
| Q2388 | 810 | MW-58-65 | 2/8/07 1440 | 2/9/07 1355 | ND | | ND | | ND | |
| Q2503 | 810 | MW-58-65 | 2/9/07 1355 | 2/10/07 1057 | ND | | ND | | ND | |
| Q2598 | 810 | MW-58-65 | 2/10/07 1057 | 2/11/07 1030 | ND | | ND | | ND | |
| Q2625 | 810 | MW-58-65 | 2/11/07 1030 | 2/12/07 1025 | ND | | ND | | ND | |
| Q2839 | 810 | MW-58-65 | 2/12/07 1025 | 2/13/07 1120 | ND | | ND | | ND | |
| Q2897 | 810 | MW-58-65 | 2/13/07 1120 | 2/14/07 1015 | ND | | ND | | ND | |
| Q3219 | 810 | MW-58-65 | 2/14/07 1015 | 2/16/07 0950 | 517.8 * | 0.401 | ND | | ND | |
| Q3343 | 810 | MW-58-65 | 2/16/07 0950 | 2/19/07 1110 | ND | | ND | | ND | |
| Q3482 | 810 | MW-58-65 | 2/19/07 1110 | 2/21/07 1046 | ND | | ND | | ND | |
| Q3828 | 810 | MW-58-65 | 2/21/07 1046 | 2/23/07 0947 | ND | | ND | | ND | |
| Q3570 | 810 | MW-58-65 | 2/23/07 0947 | 2/26/07 0900 | ND | | ND | | ND | |
| Q3915 | 810 | MW-58-65 | 2/26/07 0900 | 2/28/07 1340 | ND | | ND | | ND | |
| Q4117 | 810 | MW-58-65 | 2/28/07 1340 | 3/2/07 1313 | ND | | ND | | ND | |
| Q4222 | 810 | MW-58-65 | 3/2/07 1313 | 3/5/07 1050 | 515.6 * | 0.824 | ND | | ND | |
| Q4592 | 810 | MW-58-65 | 3/5/07 1050 | 3/7/07 1338 | 516.4 * | 0.849 | ND | | ND | |
| Q4710 | 810 | MW-58-65 | 3/7/07 1338 | 3/9/07 0925 | ND | | ND | | ND | |
| Q4825 | 810 | MW-58-65 | 3/9/07 0925 | 3/12/07 1047 | 515.8 * | 0.792 | ND | | ND | |
| Q5027 | 810 | MW-58-65 | 3/12/07 1047 | 3/14/07 1012 | ND | | ND | | ND | |
| Q5429 | 810 | MW-58-65 | 3/14/07 1012 | 3/16/07 0918 | ND | | ND | | ND | |
| Q5384 | 810 | MW-58-65 | 3/16/07 0918 | 3/19/07 1043 | 518.2 * | 0.832 | ND | | ND | |
| Q5709 | 810 | MW-58-65 | 3/19/07 1043 | 3/23/07 0959 | 515.6 * | 1.05 | ND | | ND | |
| Q5809 | 810 | MW-58-65 | 3/23/07 0959 | 3/26/07 1030 | 517.1 * | 0.838 | ND | | ND | |
| Q6125 | 810 | MW-58-65 | 3/26/07 1030 | 3/29/07 1518 | ND | | ND | | ND | |
| Q6274 | 810 | MW-58-65 | 3/29/07 1518 | 4/2/07 1001 | 515.8 * | 0.918 | ND | | ND | |
| Q6578 | 810 | MW-58-65 | 4/2/07 1001 | 4/6/07 0924 | ND | | ND | | ND | |
| Q6668 | 810 | MW-58-65 | 4/6/07 0924 | 4/9/07 1014 | ND | | ND | | ND | |
| Q6962 | 810 | MW-58-65 | 4/9/07 1014 | 4/17/07 1048 | 517.8 * | 1.01 | ND | | ND | |
| Q7229 | 810 | MW-58-65 | 4/17/07 1048 | 4/23/07 1009 | ND | | ND | | ND | |

Results
Charcoal Samplers

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results Peak nm | Fluorescein Results Conc. ppb | Eosine Results Peak nm | Eosine Results Conc. ppb | RWT Results Peak nm | RWT Results Conc. ppb |
|---|---|---|---|---|---|---|---|---|---|---|
| Q7482 | 810 | MW-58-65 | 4/23/07 1009 | 4/30/07 0859 | 516.8 * | 1.09 | ND | | ND | |
| Q8204 | 810 | MW-58-65 | 5/3/07 0834 | 5/10/07 0832 | 514.6 * | 1.14 | ND | | ND | |
| **Q1273** | **830** | **MW-59-31** | **11/29/06 1257** | **12/5/06 1339** | **516.2 *** | **0.474** | **ND** | | **ND** | |
| Q2083 | 830 | MW-59-31 | 1/16/07 1008 | 2/1/07 1321 | 519.8 * | 0.497 | ND | | ND | |
| Q2481 | 830 | MW-59-31 | 2/1/07 1321 | 2/8/07 1420 | 515.0 * | 0.942 | ND | | ND | |
| Q2411 | 830 | MW-59-31 | 2/8/07 1420 | 2/9/07 1134 | ND | | ND | | ND | |
| Q2564 | 830 | MW-59-31 | 2/9/07 1134 | 2/10/07 1046 | ND | | ND | | ND | |
| Q2527 | 830 | MW-59-31 | 2/10/07 1046 | 2/11/07 0745 | ND | | ND | | ND | |
| Q2648 | 830 | MW-59-31 | 2/11/07 0745 | 2/12/07 1326 | ND | | ND | | ND | |
| Q2863 | 830 | MW-59-31 | 2/12/07 1326 | 2/13/07 1034 | ND | | ND | | ND | |
| Q2921 | 830 | MW-59-31 | 2/13/07 1034 | 2/14/07 1055 | ND | | ND | | ND | |
| Q3242 | 830 | MW-59-31 | 2/14/07 1055 | 2/16/07 0910 | ND | | ND | | ND | |
| Q3308 | 830 | MW-59-31 | 2/16/07 0910 | 2/19/07 1045 | ND | | ND | | ND | |
| Q3505 | 830 | MW-59-31 | 2/19/07 1045 | 2/21/07 1129 | ND | | ND | | ND | |
| Q3851 | 830 | MW-59-31 | 2/21/07 1129 | 2/23/07 1044 | ND | | ND | | ND | |
| Q3593 | 830 | MW-59-31 | 2/23/07 1044 | 2/26/07 1146 | ND | | ND | | ND | |
| Q3942 | 830 | MW-59-31 | 2/26/07 1146 | 2/28/07 1342 | ND | | ND | | ND | |
| Q4167 | 830 | MW-59-31 | 2/28/07 1342 | 3/2/07 1117 | ND | | ND | | ND | |
| Q4185 | 830 | MW-59-31 | 3/2/07 1117 | 3/5/07 1116 | ND | | ND | | ND | |
| Q4555 | 830 | MW-59-31 | 3/5/07 1116 | 3/7/07 1426 | ND | | ND | | ND | |
| Q4743 | 830 | MW-59-31 | 3/7/07 1426 | 3/9/07 1006 | ND | | ND | | ND | |
| Q4793 | 830 | MW-59-31 | 3/9/07 1006 | 3/12/07 1026 | ND | | ND | | ND | |
| Q5055 | 830 | MW-59-31 | 3/12/07 1026 | 3/14/07 1136 | ND | | ND | | ND | |
| Q5457 | 830 | MW-59-31 | 3/14/07 1136 | 3/16/07 1013 | ND | | ND | | ND | |
| Q5341 | 830 | MW-59-31 | 3/16/07 1013 | 3/19/07 1125 | ND | | ND | | ND | |
| Q5666 | 830 | MW-59-31 | 3/19/07 1125 | 3/23/07 1043 | ND | | ND | | ND | |
| Q5767 | 830 | MW-59-31 | 3/23/07 1043 | 3/26/07 1102 | ND | | ND | | ND | |
| Q6154 | 830 | MW-59-31 | 3/26/07 1102 | 3/29/07 1135 | ND | | ND | | ND | |
| Q6304 | 830 | MW-59-31 | 3/29/07 1135 | 4/2/07 1046 | ND | | ND | | ND | |
| Q6536 | 830 | MW-59-31 | 4/2/07 1046 | 4/6/07 1048 | ND | | ND | | ND | |
| Q6697 | 830 | MW-59-31 | 4/6/07 1048 | 4/10/07 1016 | ND | | ND | | ND | |
| Q6991 | 830 | MW-59-31 | 4/10/07 1016 | 4/17/07 0940 | ND | | ND | | ND | |
| Q7308 | 830 | MW-59-31 | 4/17/07 0940 | 4/24/07 0949 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q7595 | 830 | MW-59-31 | 4/24/07 0949 | 5/1/07 0827 | 515.0 * | 1.09 | ND | | ND | |
| Q8213 | 830 | MW-59-31 | 5/3/07 0942 | 5/10/07 0841 | ND | | ND | | ND | |
| **Q1274** | **840** | **MW-59-45** | **11/29/06 1311** | **12/5/06 1346** | **ND** | | **ND** | | **ND** | |
| Q2084 | 840 | MW-59-45 | 1/16/07 1004 | 2/1/07 1339 | 514.2 * | 0.770 | ND | | ND | |
| Q2482 | 840 | MW-59-45 | 2/1/07 1339 | 2/8/07 1428 | ND | | ND | | ND | |
| Q2412 | 840 | MW-59-45 | 2/8/07 1428 | 2/9/07 1136 | ND | | ND | | ND | |
| Q2565 | 840 | MW-59-45 | 2/9/07 1136 | 2/10/07 1050 | ND | | ND | | ND | |
| Q2528 | 840 | MW-59-45 | 2/10/07 1050 | 2/11/07 0748 | ND | | ND | | ND | |
| Q2649 | 840 | MW-59-45 | 2/11/07 0748 | 2/12/07 1329 | ND | | ND | | ND | |
| Q2864 | 840 | MW-59-45 | 2/12/07 1329 | 2/13/07 1037 | ND | | ND | | ND | |
| Q2922 | 840 | MW-59-45 | 2/13/07 1037 | 2/14/07 1050 | ND | | ND | | ND | |
| Q3243 | 840 | MW-59-45 | 2/14/07 1059 | 2/16/07 0921 | ND | | ND | | ND | |
| Q3309 | 840 | MW-59-45 | 2/16/07 0921 | 2/19/07 1047 | ND | | ND | | ND | |
| Q3506 | 840 | MW-59-45 | 2/19/07 1047 | 2/21/07 1136 | ND | | ND | | ND | |
| Q3852 | 840 | MW-59-45 | 2/21/07 1136 | 2/23/07 1049 | ND | | ND | | ND | |
| Q3594 | 840 | MW-59-45 | 2/23/07 1049 | 2/26/07 1151 | ND | | ND | | ND | |
| Q3943 | 840 | MW-59-45 | 2/26/07 1151 | 2/28/07 1349 | ND | | ND | | ND | |
| Q4168 | 840 | MW-59-45 | 2/28/07 1340 | 3/2/07 1120 | ND | | ND | | ND | |
| Q4186 | 840 | MW-59-45 | 3/2/07 1120 | 3/5/07 1124 | ND | | ND | | ND | |
| Q4556 | 840 | MW-59-45 | 3/5/07 1124 | 3/7/07 1433 | ND | | ND | | ND | |
| Q4744 | 840 | MW-59-45 | 3/7/07 1433 | 3/9/07 1010 | ND | | ND | | ND | |
| Q4794 | 840 | MW-59-45 | 3/9/07 1010 | 3/12/07 1031 | ND | | ND | | ND | |
| Q5056 | 840 | MW-59-45 | 3/12/07 1031 | 3/14/07 1145 | ND | | ND | | ND | |
| Q5458 | 840 | MW-59-45 | 3/14/07 1145 | 3/16/07 1020 | ND | | ND | | ND | |
| Q5342 | 840 | MW-59-45 | 3/16/07 1020 | 3/19/07 1130 | ND | | ND | | ND | |
| Q5667 | 840 | MW-59-45 | 3/19/07 1130 | 3/23/07 1048 | ND | | ND | | ND | |
| Q6155 | 840 | MW-59-45 | 3/26/07 1107 | 3/29/07 1145 | ND | | ND | | ND | |
| Q6305 | 840 | MW-59-45 | 3/29/07 1145 | 4/2/07 1057 | ND | | ND | | ND | |
| Q6537 | 840 | MW-59-45 | 4/2/07 1057 | 4/6/07 1054 | ND | | ND | | ND | |
| Q6698 | 840 | MW-59-45 | 4/6/07 1054 | 4/10/07 1020 | ND | | ND | | ND | |
| Q6992 | 840 | MW-59-45 | 4/10/07 1020 | 4/17/07 0935 | ND | | ND | | ND | |
| Q7309 | 840 | MW-59-45 | 4/17/07 0935 | 4/24/07 0954 | ND | | ND | | ND | |
| Q7596 | 840 | MW-59-45 | 4/24/07 0954 | 5/1/07 0830 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q8214 | 840 | MW-59-45 | 5/3/07 0940 | 5/10/07 0845 | ND | | ND | | ND | |
| **Q0811** | **850** | **MW-60A (37')** | **11/14/06 1320** | **11/20/06 0816** | **ND** | | **ND** | | **ND** | |
| Q1043 | 850 | MW-60A (37') | 11/20/06 0816 | 11/27/06 0906 | ND | | ND | | ND | |
| Q1936 | 850 | MW-60A (37') | 1/12/07 1105 | 1/17/07 1020 | ND | | ND | | ND | |
| Q2059 | 850 | MW-60A (37') | 1/17/07 1020 | 2/1/07 1037 | ND | | ND | | ND | |
| Q2448 | 850 | MW-60A (37') | 2/1/07 1037 | 2/8/07 0900 | ND | | ND | | ND | |
| Q2389 | 850 | MW-60A (37') | 2/8/07 0900 | 2/9/07 1005 | ND | | ND | | ND | |
| Q2504 | 850 | MW-60A (37') | 2/9/07 1005 | 2/10/07 0810 | ND | | ND | | ND | |
| Q2599 | 850 | MW-60A (37') | 2/10/07 0810 | 2/11/07 0745 | ND | | ND | | ND | |
| Q2626 | 850 | MW-60A (37') | 2/11/07 0745 | 2/12/07 0810 | ND | | ND | | ND | |
| Q2841 | 850 | MW-60A (37') | 2/12/07 0840 | 2/13/07 0825 | ND | | ND | | ND | |
| Q2898 | 850 | MW-60A (37') | 2/13/07 0825 | 2/14/07 0945 | ND | | ND | | ND | |
| Q3221 | 850 | MW-60A (37') | 2/14/07 0945 | 2/16/07 1015 | ND | | ND | | ND | |
| Q3344 | 850 | MW-60A (37') | 2/16/07 1015 | 2/19/07 0845 | ND | | ND | | ND | |
| Q3483 | 850 | MW-60A (37') | 2/19/07 0845 | 2/21/07 1105 | ND | | ND | | ND | |
| Q3829 | 850 | MW-60A (37') | 2/21/07 1105 | 2/23/07 1025 | ND | | ND | | ND | |
| Q3571 | 850 | MW-60A (37') | 2/23/07 1025 | 2/26/07 0930 | ND | | ND | | ND | |
| Q3916 | 850 | MW-60A (37') | 2/26/07 0930 | 2/28/07 1115 | ND | | ND | | ND | |
| Q4118 | 850 | MW-60A (37') | 2/28/07 1115 | 3/2/07 1405 | ND | | ND | | ND | |
| Q4223 | 850 | MW-60A (37') | 3/2/07 1405 | 3/5/07 0940 | ND | | ND | | ND | |
| Q4593 | 850 | MW-60A (37') | 3/5/07 0940 | 3/7/07 1125 | ND | | ND | | ND | |
| Q4711 | 850 | MW-60A (37') | 3/7/07 1125 | 3/9/07 0843 | ND | | ND | | ND | |
| Q4826 | 850 | MW-60A (37') | 3/9/07 0843 | 3/12/07 0938 | ND | | ND | | ND | |
| Q5028 | 850 | MW-60A (37') | 3/12/07 0938 | 3/14/07 0912 | ND | | ND | | ND | |
| Q5430 | 850 | MW-60A (37') | 3/14/07 0912 | 3/16/07 0815 | ND | | ND | | ND | |
| Q5385 | 850 | MW-60A (37') | 3/16/07 0815 | 3/19/07 1145 | ND | | ND | | ND | |
| Q5710 | 850 | MW-60A (37') | 3/19/07 1145 | 3/23/07 1115 | ND | | ND | | ND | |
| Q5810 | 850 | MW-60A (37') | 3/23/07 1115 | 3/26/07 1138 | ND | | ND | | ND | |
| Q6126 | 850 | MW-60A (37') | 3/26/07 1138 | 3/29/07 1406 | ND | | ND | | ND | |
| Q6275 | 850 | MW-60A (37') | 3/29/07 1406 | 4/2/07 1031 | ND | | ND | | ND | |
| Q6579 | 850 | MW-60A (37') | 4/2/07 1031 | 4/6/07 0753 | ND | | ND | | ND | |
| Q6669 | 850 | MW-60A (37') | 4/6/07 0753 | 4/9/07 0835 | ND | | ND | | ND | |
| Q6963 | 850 | MW-60A (37') | 4/9/07 0835 | 4/17/07 0742 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| **Q0812** | **860** | **MW-60B (55')** | **11/14/06 1340** | **11/20/06 0820** | **ND** | | **ND** | | **ND** | |
| Q1044 | 860 | MW-60B (55') | 11/20/06 0820 | 11/27/06 0911 | ND | | ND | | ND | |
| Q1937 | 860 | MW-60B (55') | 1/12/07 1105 | 1/17/07 1020 | ND | | ND | | ND | |
| Q2061 | 860 | MW-60B (55') | 1/17/07 1020 | 2/1/07 1037 | ND | | ND | | ND | |
| Q2449 | 860 | MW-60B (55') | 2/1/07 1037 | 2/8/07 0900 | ND | | ND | | ND | |
| Q2390 | 860 | MW-60B (55') | 2/8/07 0900 | 2/9/07 1005 | ND | | ND | | ND | |
| Q2505 | 860 | MW-60B (55') | 2/9/07 1005 | 2/10/07 0810 | ND | | ND | | ND | |
| Q2601 | 860 | MW-60B (55') | 2/10/07 0810 | 2/11/07 0745 | ND | | ND | | ND | |
| Q2627 | 860 | MW-60B (55') | 2/11/07 0745 | 2/12/07 0840 | ND | | ND | | ND | |
| Q2842 | 860 | MW-60B (55') | 2/12/07 0840 | 2/13/07 0825 | ND | | ND | | ND | |
| Q2899 | 860 | MW-60B (55') | 2/13/07 0825 | 2/14/07 0945 | ND | | ND | | ND | |
| Q3222 | 860 | MW-60B (55') | 2/14/07 0945 | 2/16/07 1015 | ND | | ND | | ND | |
| Q3345 | 860 | MW-60B (55') | 2/16/07 1015 | 2/19/07 0845 | ND | | ND | | ND | |
| Q3484 | 860 | MW-60B (55') | 2/19/07 0845 | 2/21/07 1105 | ND | | ND | | ND | |
| Q3830 | 860 | MW-60B (55') | 2/21/07 1105 | 2/23/07 1025 | ND | | ND | | ND | |
| Q3572 | 860 | MW-60B (55') | 2/23/07 1025 | 2/26/07 0930 | ND | | ND | | ND | |
| Q3917 | 860 | MW-60B (55') | 2/26/07 0930 | 2/28/07 1115 | ND | | ND | | ND | |
| Q4119 | 860 | MW-60B (55') | 2/28/07 1115 | 3/2/07 1405 | ND | | ND | | ND | |
| Q4224 | 860 | MW-60B (55') | 3/2/07 1405 | 3/5/07 0940 | ND | | ND | | ND | |
| Q4594 | 860 | MW-60B (55') | 3/5/07 0940 | 3/7/07 1125 | ND | | ND | | ND | |
| Q4712 | 860 | MW-60B (55') | 3/7/07 1125 | 3/9/07 0843 | ND | | ND | | ND | |
| Q4827 | 860 | MW-60B (55') | 3/9/07 0843 | 3/12/07 0938 | ND | | ND | | ND | |
| Q5029 | 860 | MW-60B (55') | 3/12/07 0938 | 3/14/07 0912 | ND | | ND | | ND | |
| Q5431 | 860 | MW-60B (55') | 3/14/07 0912 | 3/16/07 0815 | ND | | ND | | ND | |
| Q5386 | 860 | MW-60B (55') | 3/16/07 0815 | 3/19/07 1145 | ND | | ND | | ND | |
| Q5711 | 860 | MW-60B (55') | 3/19/07 1145 | 3/23/07 1115 | ND | | ND | | ND | |
| Q5811 | 860 | MW-60B (55') | 3/23/07 1115 | 3/26/07 1138 | ND | | ND | | ND | |
| Q6127 | 860 | MW-60B (55') | 3/26/07 1138 | 3/29/07 1406 | ND | | ND | | ND | |
| Q6276 | 860 | MW-60B (55') | 3/29/07 1406 | 4/2/07 1031 | ND | | ND | | ND | |
| Q6581 | 860 | MW-60B (55') | 4/2/07 1031 | 4/6/07 0753 | ND | | ND | | ND | |
| Q6670 | 860 | MW-60B (55') | 4/6/07 0753 | 4/9/07 0835 | ND | | ND | | ND | |
| Q6964 | 860 | MW-60B (55') | 4/9/07 0835 | 4/17/07 0742 | ND | | ND | | ND | |
| **Q1938** | **870** | **MW-60C (75')** | **1/12/07 1105** | **1/17/07 1020** | **ND** | | **ND** | | **ND** | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q2062 | 870 | MW-60C (75') | 1/17/07 1020 | 2/1/07 1037 | ND | | ND | | ND | |
| Q2450 | 870 | MW-60C (75') | 2/1/07 1037 | 2/8/07 0900 | ND | | ND | | ND | |
| Q2391 | 870 | MW-60C (75') | 2/8/07 0900 | 2/9/07 1005 | ND | | ND | | ND | |
| Q2506 | 870 | MW-60C (75') | 2/9/07 1005 | 2/10/07 0810 | ND | | ND | | ND | |
| Q2602 | 870 | MW-60C (75') | 2/10/07 0810 | 2/11/07 0745 | ND | | ND | | ND | |
| Q2628 | 870 | MW-60C (75') | 2/11/07 0745 | 2/12/07 0840 | ND | | ND | | ND | |
| Q2944 | 870 | MW-60C (75') | 2/12/07 0840 | 2/13/07 0825 | ND | | ND | | ND | |
| Q2901 | 870 | MW-60C (75') | 2/13/07 0825 | 2/14/07 0943 | ND | | ND | | ND | |
| Q3223 | 870 | MW-60C (75') | 2/14/07 0945 | 2/16/07 1015 | ND | | ND | | ND | |
| Q3346 | 870 | MW-60C (75') | 2/16/07 1015 | 2/19/07 0845 | ND | | ND | | ND | |
| Q3485 | 870 | MW-60C (75') | 2/19/07 0845 | 2/21/07 1105 | ND | | ND | | ND | |
| Q3831 | 870 | MW-60C (75') | 2/21/07 1105 | 2/23/07 1025 | ND | | ND | | ND | |
| Q3573 | 870 | MW-60C (75') | 2/23/07 1025 | 2/26/07 0930 | ND | | ND | | ND | |
| Q3918 | 870 | MW-60C (75') | 2/26/07 0930 | 2/28/07 1115 | ND | | ND | | ND | |
| Q4121 | 870 | MW-60C (75') | 2/28/07 1115 | 3/2/07 1405 | ND | | ND | | ND | |
| Q4225 | 870 | MW-60C (75') | 3/2/07 1405 | 3/5/07 0940 | ND | | ND | | ND | |
| Q4597 | 870 | MW-60C (75') | 3/5/07 0940 | 3/7/07 1125 | ND | | ND | | ND | |
| Q4713 | 870 | MW-60C (75') | 3/7/07 1125 | 3/9/07 0843 | ND | | ND | | ND | |
| Q4828 | 870 | MW-60C (75') | 3/9/07 0843 | 3/12/07 0938 | ND | | ND | | ND | |
| Q5030 | 870 | MW-60C (75') | 3/12/07 0938 | 3/14/07 0912 | ND | | ND | | ND | |
| Q5432 | 870 | MW-60C (75') | 3/14/07 0912 | 3/16/07 0815 | ND | | ND | | ND | |
| Q5387 | 870 | MW-60C (75') | 3/16/07 0815 | 3/19/07 1145 | ND | | ND | | ND | |
| Q5712 | 870 | MW-60C (75') | 3/19/07 1145 | 3/23/07 1115 | ND | | ND | | ND | |
| Q5812 | 870 | MW-60C (75') | 3/23/07 1115 | 3/26/07 1138 | ND | | ND | | ND | |
| Q6128 | 870 | MW-60C (75') | 3/26/07 1138 | 3/29/07 1406 | ND | | ND | | ND | |
| Q6277 | 870 | MW-60C (75') | 3/29/07 1406 | 4/2/07 1031 | ND | | ND | | ND | |
| Q6582 | 870 | MW-60C (75') | 4/2/07 1031 | 4/6/07 0753 | ND | | ND | | ND | |
| Q6671 | 870 | MW-60C (75') | 4/6/07 0753 | 4/9/07 0835 | ND | | ND | | ND | |
| Q6965 | 870 | MW-60C (75') | 4/9/07 0835 | 4/17/07 0742 | ND | | ND | | ND | |
| **Q1939** | **880** | **MW-60D (136')** | **1/12/07 1105** | **1/17/07 1020** | **ND** | | **ND** | | **ND** | |
| Q2063 | 880 | MW-60D (136') | 1/17/07 1020 | 2/1/07 1037 | ND | | ND | | ND | |
| Q2451 | 880 | MW-60D (136') | 2/1/07 1037 | 2/8/07 0900 | ND | | ND | | ND | |
| Q2392 | 880 | MW-60D (136') | 2/8/07 0900 | 2/9/07 1005 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q2507 | 880 | MW-60D (136') | 2/9/07 1005 | 2/10/07 0810 | ND | | ND | | ND | |
| Q2603 | 880 | MW-60D (136') | 2/10/07 0810 | 2/11/07 0745 | ND | | ND | | ND | |
| Q2629 | 880 | MW-60D (136') | 2/11/07 0745 | 2/12/07 0840 | ND | | ND | | ND | |
| Q2843 | 880 | MW-60D (136') | 2/12/07 0840 | 2/13/07 0825 | ND | | ND | | ND | |
| Q2902 | 880 | MW-60D (136') | 2/13/07 0825 | 2/14/07 0945 | ND | | ND | | ND | |
| Q3224 | 880 | MW-60D (136') | 2/14/07 0945 | 2/16/07 1015 | ND | | ND | | ND | |
| Q3347 | 880 | MW-60D (136') | 2/16/07 1015 | 2/19/07 0845 | ND | | ND | | ND | |
| Q3486 | 880 | MW-60D (136') | 2/19/07 0845 | 2/21/07 1105 | ND | | ND | | ND | |
| Q3832 | 880 | MW-60D (136') | 2/21/07 1105 | 2/23/07 1025 | ND | | ND | | ND | |
| Q3574 | 880 | MW-60D (136') | 2/23/07 1025 | 2/26/07 0930 | ND | | ND | | ND | |
| Q3919 | 880 | MW-60D (136') | 2/26/07 0930 | 2/28/07 1115 | ND | | ND | | ND | |
| Q4122 | 880 | MW-60D (136') | 2/28/07 1115 | 3/2/07 1405 | ND | | ND | | ND | |
| Q4226 | 880 | MW-60D (136') | 3/2/07 1405 | 3/5/07 0940 | ND | | ND | | ND | |
| Q4598 | 880 | MW-60D (136') | 3/5/07 0940 | 3/7/07 1125 | ND | | ND | | ND | |
| Q4714 | 880 | MW-60D (136') | 3/7/07 1125 | 3/9/07 0843 | ND | | ND | | ND | |
| Q4829 | 880 | MW-60D (136') | 3/9/07 0843 | 3/12/07 0938 | ND | | ND | | ND | |
| Q5031 | 880 | MW-60D (136') | 3/12/07 0938 | 3/14/07 0912 | ND | | ND | | ND | |
| Q5433 | 880 | MW-60D (136') | 3/14/07 0912 | 3/16/07 0815 | ND | | ND | | ND | |
| Q5388 | 880 | MW-60D (136') | 3/16/07 0815 | 3/19/07 1145 | ND | | ND | | ND | |
| Q5713 | 880 | MW-60D (136') | 3/19/07 1145 | 3/23/07 1115 | ND | | ND | | ND | |
| Q5813 | 880 | MW-60D (136') | 3/23/07 1115 | 3/26/07 1138 | ND | | ND | | ND | |
| Q6129 | 880 | MW-60D (136') | 3/26/07 1138 | 3/29/07 1406 | ND | | ND | | ND | |
| Q6278 | 880 | MW-60D (136') | 3/29/07 1406 | 4/2/07 1031 | ND | | ND | | ND | |
| Q6583 | 880 | MW-60D (136') | 4/2/07 1031 | 4/6/07 0753 | ND | | ND | | ND | |
| Q6672 | 880 | MW-60D (136') | 4/6/07 0753 | 4/9/07 0835 | ND | | ND | | ND | |
| Q6966 | 880 | MW-60D (136') | 4/9/07 0835 | 4/17/07 0742 | ND | | ND | | ND | |
| **Q1941** | **890** | **MW-60E (175')** | **1/12/07 1105** | **1/17/07 1020** | **ND** | | **ND** | | **ND** | |
| Q2064 | 890 | MW-60E (175') | 1/17/07 1020 | 2/1/07 1037 | ND | | ND | | ND | |
| Q2452 | 890 | MW-60E (175') | 2/1/07 1037 | 2/8/07 0900 | ND | | ND | | ND | |
| Q2393 | 890 | MW-60E (175') | 2/8/07 0900 | 2/9/07 1005 | ND | | ND | | ND | |
| Q2508 | 890 | MW-60E (175') | 2/9/07 1005 | 2/10/07 0810 | ND | | ND | | ND | |
| Q2604 | 890 | MW-60E (175') | 2/10/07 0810 | 2/11/07 0745 | ND | | ND | | ND | |
| Q2630 | 890 | MW-60E (175') | 2/11/07 0745 | 2/12/07 0840 | ND | | ND | | ND | |

Results

Charcoal Samplers

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q2844 | 890 | MW-60E (175') | 2/12/07 0840 | 2/13/07 0825 | ND | | ND | | ND | |
| Q2903 | 890 | MW-60E (175') | 2/13/07 0825 | 2/14/07 0945 | ND | | ND | | ND | |
| Q3225 | 890 | MW-60E (175') | 2/14/07 0945 | 2/16/07 1015 | ND | | ND | | ND | |
| Q3348 | 890 | MW-60E (175') | 2/16/07 1015 | 2/19/07 0845 | ND | | ND | | ND | |
| Q3487 | 890 | MW-60E (175') | 2/19/07 0845 | 2/21/07 1105 | ND | | ND | | ND | |
| Q3833 | 890 | MW-60E (175') | 2/21/07 1105 | 2/23/07 1025 | ND | | ND | | ND | |
| Q3575 | 890 | MW-60E (175') | 2/23/07 1025 | 2/26/07 0930 | ND | | ND | | ND | |
| Q3921 | 890 | MW-60E (175') | 2/26/07 0930 | 2/28/07 1115 | ND | | ND | | ND | |
| Q4123 | 890 | MW-60E (175') | 2/28/07 1115 | 3/2/07 1405 | ND | | ND | | ND | |
| Q4227 | 890 | MW-60E (175') | 3/2/07 1405 | 3/5/07 0940 | ND | | ND | | ND | |
| Q4599 | 890 | MW-60E (175') | 3/5/07 0940 | 3/7/07 1125 | ND | | ND | | ND | |
| Q4715 | 890 | MW-60E (175') | 3/7/07 1125 | 3/9/07 0843 | ND | | ND | | ND | |
| Q4830 | 890 | MW-60E (175') | 3/9/07 0843 | 3/12/07 0938 | ND | | ND | | ND | |
| Q5032 | 890 | MW-60E (175') | 3/12/07 0938 | 3/14/07 0912 | ND | | ND | | ND | |
| Q5434 | 890 | MW-60E (175') | 3/14/07 0912 | 3/16/07 0815 | ND | | ND | | ND | |
| Q5389 | 890 | MW-60E (175') | 3/16/07 0815 | 3/19/07 1145 | ND | | ND | | ND | |
| Q5714 | 890 | MW-60E (175') | 3/19/07 1145 | 3/23/07 1115 | ND | | ND | | ND | |
| Q5814 | 890 | MW-60E (175') | 3/23/07 1115 | 3/26/07 1138 | ND | | ND | | ND | |
| Q6130 | 890 | MW-60E (175') | 3/26/07 1138 | 3/29/07 1406 | ND | | ND | | ND | |
| Q6279 | 890 | MW-60E (175') | 3/29/07 1406 | 4/2/07 1031 | ND | | ND | | ND | |
| Q6584 | 890 | MW-60E (175') | 4/2/07 1031 | 4/6/07 0753 | ND | | ND | | ND | |
| Q6673 | 890 | MW-60E (175') | 4/6/07 0753 | 4/9/07 0835 | ND | | ND | | ND | |
| Q6967 | 890 | MW-60E (175') | 4/9/07 0835 | 4/17/07 0742 | ND | | ND | | ND | |
| **Q1275** | **900** | **MW-59-68** | **11/29/06 1319** | **12/5/06 1333** | **ND** | | **ND** | | **ND** | |
| Q2085 | 900 | MW-59-68 | 1/16/07 0958 | 2/1/07 1357 | 517.4 * | 0.655 | ND | | ND | |
| Q2483 | 900 | MW-59-68 | 2/1/07 1357 | 2/8/07 1432 | 518.2 * | 0.530 | ND | | ND | |
| Q2413 | 900 | MW-59-68 | 2/8/07 1432 | 2/9/07 1142 | ND | | ND | | ND | |
| Q2566 | 900 | MW-59-68 | 2/9/07 1142 | 2/10/07 1051 | ND | | ND | | ND | |
| Q2529 | 900 | MW-59-68 | 2/10/07 1051 | 2/11/07 0751 | ND | | ND | | ND | |
| Q2650 | 900 | MW-59-68 | 2/11/07 0751 | 2/12/07 1332 | ND | | ND | | ND | |
| Q2865 | 900 | MW-59-68 | 2/12/07 1332 | 2/13/07 1038 | ND | | ND | | ND | |
| Q2923 | 900 | MW-59-68 | 2/13/07 1038 | 2/14/07 1100 | ND | | ND | | ND | |
| Q3244 | 900 | MW-59-68 | 2/14/07 1100 | 2/16/07 0925 | ND | | ND | | ND | |

Results

Charcoal Samplers

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q3310 | 900 | MW-59-68 | 2/16/07 0925 | 2/19/07 1050 | ND | | ND | | ND | |
| Q3507 | 900 | MW-59-68 | 2/19/07 1050 | 2/21/07 1140 | ND | | ND | | ND | |
| Q3853 | 900 | MW-59-68 | 2/21/07 1140 | 2/23/07 1056 | ND | | ND | | ND | |
| Q3595 | 900 | MW-59-68 | 2/23/07 1056 | 2/26/07 1157 | ND | | ND | | ND | |
| Q3944 | 900 | MW-59-68 | 2/26/07 1157 | 2/28/07 1555 | ND | | ND | | ND | |
| Q4169 | 900 | MW-59-68 | 2/28/07 1355 | 3/2/07 1130 | ND | | ND | | ND | |
| Q4187 | 900 | MW-59-68 | 3/2/07 1130 | 3/5/07 1130 | ND | | ND | | ND | |
| Q4557 | 900 | MW-59-68 | 3/5/07 1130 | 3/7/07 1440 | ND | | ND | | ND | |
| Q4745 | 900 | MW-59-68 | 3/7/07 1440 | 3/9/07 1016 | ND | | ND | | ND | |
| Q4795 | 900 | MW-59-68 | 3/9/07 1016 | 3/12/07 1036 | ND | | ND | | ND | |
| Q5057 | 900 | MW-59-68 | 3/12/07 1036 | 3/14/07 1148 | ND | | ND | | ND | |
| Q5459 | 900 | MW-59-68 | 3/14/07 1148 | 3/16/07 1025 | ND | | ND | | ND | |
| Q5343 | 900 | MW-59-68 | 3/16/07 1025 | 3/19/07 1136 | ND | | ND | | ND | |
| Q5668 | 900 | MW-59-68 | 3/19/07 1136 | 3/23/07 1052 | ND | | ND | | ND | |
| Q5768 | 900 | MW-59-68 | 3/23/07 1052 | 3/26/07 1142 | ND | | ND | | ND | |
| Q6156 | 900 | MW-59-68 | 3/26/07 1142 | 3/29/07 1154 | ND | | ND | | ND | |
| Q6306 | 900 | MW-59-68 | 3/29/07 1154 | 4/2/07 1103 | ND | | ND | | ND | |
| Q6538 | 900 | MW-59-68 | 4/2/07 1103 | 4/6/07 1103 | ND | | ND | | ND | |
| Q6699 | 900 | MW-59-68 | 4/6/07 1103 | 4/10/07 1025 | ND | | ND | | ND | |
| Q6993 | 900 | MW-59-68 | 4/10/07 1025 | 4/17/07 0930 | ND | | ND | | ND | |
| Q7310 | 900 | MW-59-68 | 4/17/07 0930 | 4/24/07 1000 | ND | | ND | | ND | |
| Q7597 | 900 | MW-59-68 | 4/24/07 1000 | 5/1/07 0833 | ND | | ND | | ND | |
| Q8215 | 900 | MW-59-68 | 5/3/07 0940 | 5/10/07 0849 | ND | | ND | | ND | |
| **Q2102** | **910** | **MW-66A (50')** | **1/22/07 1345** | **2/1/07 0940** | **ND** | | **ND** | | **ND** | |
| Q2430 | 910 | MW-66A (50') | 2/1/07 1016 | 2/8/07 1325 | ND | | ND | | ND | |
| Q2465 | 910 | MW-66A (50') | 2/8/07 1325 | 2/9/07 0945 | ND | | ND | | ND | |
| Q2582 | 910 | MW-66A (50') | 2/9/07 1325 | 2/10/07 0755 | ND | | ND | | ND | |
| Q2545 | 910 | MW-66A (50') | 2/10/07 0755 | 2/11/07 0803 | ND | | ND | | ND | |
| Q2666 | 910 | MW-66A (50') | 2/11/07 0803 | 2/12/07 0937 | ND | | ND | | ND | |
| Q2881 | 910 | MW-66A (50') | 2/12/07 0937 | 2/13/07 0940 | ND | | ND | | ND | |
| Q2938 | 910 | MW-66A (50') | 2/13/07 0940 | 2/14/07 0947 | ND | | ND | | ND | |
| Q3259 | 910 | MW-66A (50') | 2/14/07 0947 | 2/16/07 1315 | ND | | ND | | ND | |
| Q3326 | 910 | MW-66A (50') | 2/16/07 1315 | 2/19/07 0843 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q3523 | 910 | MW-66A (50') | 2/19/07 0843 | 2/21/07 0802 | ND | | ND | | ND | |
| Q3869 | 910 | MW-66A (50') | 2/21/07 0802 | 2/23/07 0913 | ND | | ND | | ND | |
| Q3611 | 910 | MW-66A (50') | 2/23/07 0913 | 2/26/07 1020 | ND | | ND | | ND | |
| Q3959 | 910 | MW-66A (50') | 2/26/07 1020 | 2/28/07 1041 | 516.0 (3) | 4.07 | ND | | ND | |
| Q4148 | 910 | MW-66A (50') | 2/28/07 1041 | 3/2/07 1023 | ND | | ND | | ND | |
| Q4203 | 910 | MW-66A (50') | 3/2/07 1023 | 3/5/07 0827 | ND | | ND | | ND | |
| Q4573 | 910 | MW-66A (50') | 3/5/07 0827 | 3/7/07 0959 | ND | | ND | | ND | |
| Q4754 | 910 | MW-66A (50') | 3/7/07 0959 | 3/9/07 0742 | ND | | ND | | ND | |
| Q4805 | 910 | MW-66A (50') | 3/9/07 0742 | 3/12/07 0805 | ND | | ND | | ND | |
| Q5071 | 910 | MW-66A (50') | 3/12/07 0805 | 3/14/07 1015 | ND | | ND | | ND | |
| Q5473 | 910 | MW-66A (50') | 3/14/07 1015 | 3/16/07 0854 | ND | | ND | | ND | |
| Q5356 | 910 | MW-66A (50') | 3/16/07 0854 | 3/19/07 1008 | ND | | ND | | ND | |
| Q5682 | 910 | MW-66A (50') | 3/19/07 1008 | 3/23/07 0918 | 518.6 * | 1.00 | ND | | ND | |
| Q5782 | 910 | MW-66A (50') | 3/23/07 0918 | 3/26/07 0819 | ND | | ND | | ND | |
| Q6170 | 910 | MW-66A (50') | 3/26/07 0819 | 3/29/07 0943 | ND | | ND | | ND | |
| Q6319 | 910 | MW-66A (50') | 3/29/07 0943 | 4/2/07 0941 | ND | | ND | | ND | |
| Q6551 | 910 | MW-66A (50') | 4/2/07 0941 | 4/6/07 0925 | ND | | ND | | ND | |
| Q6713 | 910 | MW-66A (50') | 4/6/07 0925 | 4/10/07 0827 | ND | | ND | | ND | |
| Q7003 | 910 | MW-66A (50') | 4/10/07 0827 | 4/17/07 0754 | ND | | ND | | ND | |
| Q7315 | 910 | MW-66A (50') | 4/17/07 0754 | 4/24/07 0838 | ND | | ND | | ND | |
| Q7603 | 910 | MW-66A (50') | 4/24/07 0838 | 5/1/07 1034 | ND | | ND | | ND | |
| Q8216 | 910 | MW-66A (50') | 5/3/07 0751 | 5/10/07 1053 | ND | | ND | | ND | |
| **Q2103** | **920** | **MW-66B (115')** | **1/22/07 1345** | **2/1/07 0940** | **ND** | | **ND** | | **ND** | |
| Q2431 | 920 | MW-66B (115') | 2/1/07 0940 | 2/8/07 1325 | ND | | ND | | ND | |
| Q2466 | 920 | MW-66B (115') | 2/8/07 1325 | 2/9/07 0947 | ND | | ND | | ND | |
| Q2583 | 920 | MW-66B (115') | 2/9/07 1325 | 2/10/07 0755 | ND | | ND | | ND | |
| Q2546 | 920 | MW-66B (115') | 2/10/07 0755 | 2/11/07 0803 | ND | | ND | | ND | |
| Q2667 | 920 | MW-66B (115') | 2/11/07 0803 | 2/12/07 0937 | ND | | ND | | ND | |
| Q2882 | 920 | MW-66B (115') | 2/12/07 0937 | 2/13/07 0940 | ND | | ND | | ND | |
| Q2939 | 920 | MW-66B (115') | 2/13/07 0940 | 2/14/07 0947 | ND | | ND | | ND | |
| Q3261 | 920 | MW-66B (115') | 2/14/07 0947 | 2/16/07 1315 | ND | | ND | | ND | |
| Q3327 | 920 | MW-66B (115') | 2/16/07 1315 | 2/19/07 0843 | ND | | ND | | ND | |
| Q3524 | 920 | MW-66B (115') | 2/19/07 0843 | 2/21/07 0802 | ND | | ND | | ND | |

Results

Charcoal Samplers

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q3870 | 920 | MW-66B (115') | 2/21/07 0802 | 2/23/07 0913 | ND | | ND | | ND | |
| Q3612 | 920 | MW-66B (115') | 2/23/07 0913 | 2/26/07 1020 | ND | | ND | | ND | |
| Q3961 | 920 | MW-66B (115') | 2/26/07 1020 | 2/28/07 1041 | 517.9 * | 1.07 | ND | | ND | |
| Q4149 | 920 | MW-66B (115') | 2/28/07 1041 | 3/2/07 1023 | ND | | ND | | ND | |
| Q4204 | 920 | MW-66B (115') | 3/2/07 1023 | 3/5/07 0827 | ND | | ND | | ND | |
| Q4574 | 920 | MW-66B (115') | 3/5/07 0827 | 3/7/07 0959 | ND | | ND | | ND | |
| Q4755 | 920 | MW-66B (115') | 3/7/07 0959 | 3/9/07 0742 | ND | | ND | | ND | |
| Q4806 | 920 | MW-66B (115') | 3/9/07 0742 | 3/12/07 0805 | ND | | ND | | ND | |
| Q5072 | 920 | MW-66B (115') | 3/12/07 0805 | 3/14/07 1015 | ND | | ND | | ND | |
| Q5474 | 920 | MW-66B (115') | 3/14/07 1015 | 3/16/07 0854 | ND | | ND | | ND | |
| Q5357 | 920 | MW-66B (115') | 3/16/07 0854 | 3/19/07 1008 | ND | | ND | | ND | |
| Q5683 | 920 | MW-66B (115') | 3/19/07 1008 | 3/23/07 0918 | ND | | ND | | ND | |
| Q5783 | 920 | MW-66B (115') | 3/23/07 0918 | 3/26/07 0819 | ND | | ND | | ND | |
| Q6171 | 920 | MW-66B (115') | 3/26/07 0819 | 3/29/07 0943 | ND | | ND | | ND | |
| Q6321 | 920 | MW-66B (115') | 3/29/07 0943 | 4/2/07 0941 | ND | | ND | | ND | |
| Q6552 | 920 | MW-66B (115') | 4/2/07 0941 | 4/6/07 0925 | ND | | ND | | ND | |
| Q6714 | 920 | MW-66B (115') | 4/6/07 0925 | 4/10/07 0827 | ND | | ND | | ND | |
| Q7004 | 920 | MW-66B (115') | 4/10/07 0827 | 4/17/07 0754 | ND | | ND | | ND | |
| Q7316 | 920 | MW-66B (115') | 4/17/07 0754 | 4/24/07 0838 | ND | | ND | | ND | |
| Q7604 | 920 | MW-66B (115') | 4/24/07 0838 | 5/1/07 1034 | ND | | ND | | ND | |
| Q8217 | 920 | MW-66B (115') | 5/3/07 0751 | 5/10/07 1053 | ND | | ND | | ND | |
| **Q2104** | **930** | **MW-66C (135')** | **1/22/07 1345** | **2/1/07 0940** | **ND** | | **ND** | | **ND** | |
| Q2432 | 930 | MW-66C (135') | 2/1/07 0940 | 2/8/07 1325 | ND | | ND | | ND | |
| Q2467 | 930 | MW-66C (135') | 2/8/07 1325 | 2/9/07 0949 | ND | | ND | | ND | |
| Q2584 | 930 | MW-66C (135') | 2/9/07 1325 | 2/10/07 0755 | ND | | ND | | ND | |
| Q2547 | 930 | MW-66C (135') | 2/10/07 0755 | 2/11/07 0803 | ND | | ND | | ND | |
| Q2668 | 930 | MW-66C (135') | 2/11/07 0803 | 2/12/07 0937 | ND | | ND | | ND | |
| Q2883 | 930 | MW-66C (135') | 2/12/07 0937 | 2/13/07 0940 | ND | | ND | | ND | |
| Q2941 | 930 | MW-66C (135') | 2/13/07 0940 | 2/14/07 0947 | ND | | ND | | ND | |
| Q3262 | 930 | MW-66C (135') | 2/14/07 0947 | 2/16/07 1315 | ND | | ND | | ND | |
| Q3328 | 930 | MW-66C (135') | 2/16/07 1315 | 2/19/07 0843 | ND | | ND | | ND | |
| Q3525 | 930 | MW-66C (135') | 2/19/07 0843 | 2/21/07 0802 | ND | | ND | | ND | |
| Q3871 | 930 | MW-66C (135') | 2/21/07 0802 | 2/23/07 0913 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q3613 | 930 | MW-66C (135') | 2/23/07 0913 | 2/26/07 1020 | ND | | ND | | ND | |
| Q3962 | 930 | MW-66C (135') | 2/26/07 1020 | 2/28/07 1041 | ND | | ND | | ND | |
| Q4150 | 930 | MW-66C (135') | 2/28/07 1041 | 3/2/07 1023 | ND | | ND | | ND | |
| Q4205 | 930 | MW-66C (135') | 3/2/07 1023 | 3/5/07 0827 | ND | | ND | | ND | |
| Q4575 | 930 | MW-66C (135') | 3/5/07 0827 | 3/7/07 0959 | ND | | ND | | ND | |
| Q4756 | 930 | MW-66C (135') | 3/7/07 0959 | 3/9/07 0742 | ND | | ND | | ND | |
| Q4807 | 930 | MW-66C (135') | 3/9/07 0742 | 3/12/07 0805 | ND | | ND | | ND | |
| Q5073 | 930 | MW-66C (135') | 3/12/07 0805 | 3/14/07 1015 | ND | | ND | | ND | |
| Q5475 | 930 | MW-66C (135') | 3/14/07 1015 | 3/16/07 0854 | ND | | ND | | ND | |
| Q5358 | 930 | MW-66C (135') | 3/16/07 0854 | 3/19/07 1008 | ND | | ND | | ND | |
| Q5684 | 930 | MW-66C (135') | 3/19/07 1008 | 3/23/07 0918 | ND | | ND | | ND | |
| Q5784 | 930 | MW-66C (135') | 3/23/07 0918 | 3/26/07 0819 | ND | | ND | | ND | |
| Q6172 | 930 | MW-66C (135') | 3/26/07 0819 | 3/29/07 0943 | ND | | ND | | ND | |
| Q6322 | 930 | MW-66C (135') | 3/29/07 0943 | 4/2/07 0941 | ND | | ND | | ND | |
| Q6553 | 930 | MW-66C (135') | 4/2/07 0941 | 4/6/07 0925 | ND | | ND | | ND | |
| Q6715 | 930 | MW-66C (135') | 4/6/07 0925 | 4/10/07 0827 | ND | | ND | | ND | |
| Q7005 | 930 | MW-66C (135') | 4/10/07 0827 | 4/17/07 0754 | ND | | ND | | ND | |
| Q7317 | 930 | MW-66C (135') | 4/17/07 0754 | 4/24/07 0838 | ND | | ND | | ND | |
| Q7605 | 930 | MW-66C (135') | 4/24/07 0838 | 5/1/07 1034 | ND | | ND | | ND | |
| Q8195 | 930 | MW-66C (135') | 5/3/07 0751 | 5/10/07 1053 | ND | | ND | | ND | |
| **Q2105** | **940** | **MW-66D (190')** | **1/23/07 0845** | **2/1/07 0940** | **ND** | | **ND** | | **ND** | |
| Q2433 | 940 | MW-66D (190') | 2/1/07 0940 | 2/8/07 1325 | ND | | ND | | ND | |
| Q2468 | 940 | MW-66D (190') | 2/8/07 1325 | 2/9/07 0950 | ND | | ND | | ND | |
| Q2585 | 940 | MW-66D (190') | 2/9/07 1325 | 2/10/07 0755 | ND | | ND | | ND | |
| Q2548 | 940 | MW-66D (190) | 2/10/07 0755 | 2/11/07 0803 | ND | | ND | | ND | |
| Q2669 | 940 | MW-66D (190') | 2/11/07 0803 | 2/12/07 0937 | ND | | ND | | ND | |
| Q2884 | 940 | MW-66D (190') | 2/12/07 0937 | 2/13/07 0940 | ND | | ND | | ND | |
| Q2942 | 940 | MW-66D (190') | 2/13/07 0940 | 2/14/07 0947 | ND | | ND | | ND | |
| Q3263 | 940 | MW-66D (190') | 2/14/07 0947 | 2/16/07 1315 | ND | | ND | | ND | |
| Q3329 | 940 | MW-66D (190') | 2/16/07 1315 | 2/19/07 0843 | ND | | ND | | ND | |
| Q3526 | 940 | MW-66D (190') | 2/19/07 0843 | 2/21/07 0802 | ND | | ND | | ND | |
| Q3872 | 940 | MW-66D (190') | 2/21/07 0802 | 2/23/07 0913 | ND | | ND | | ND | |
| Q3614 | 940 | MW-66D (190') | 2/23/07 0913 | 2/26/07 1020 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q3963 | 940 | MW-66D (190') | 2/26/07 1020 | 2/28/07 1041 | ND | | ND | | ND | |
| Q4151 | 940 | MW-66D (190') | 2/28/07 1041 | 3/2/07 1023 | ND | | ND | | ND | |
| Q4206 | 940 | MW-66D (190') | 3/2/07 1023 | 3/5/07 0827 | ND | | ND | | ND | |
| Q4576 | 940 | MW-66D (190') | 3/5/07 0827 | 3/7/07 0959 | ND | | ND | | ND | |
| Q4757 | 940 | MW-66D (190') | 3/7/07 0959 | 3/9/07 0742 | ND | | ND | | ND | |
| Q4808 | 940 | MW-66D (190') | 3/9/07 0742 | 3/12/07 0805 | ND | | ND | | ND | |
| Q5074 | 940 | MW-66D (190') | 3/12/07 0805 | 3/14/07 1015 | ND | | ND | | ND | |
| Q5476 | 940 | MW-66D (190') | 3/14/07 1015 | 3/16/07 0854 | ND | | ND | | ND | |
| Q5359 | 940 | MW-66D (190') | 3/16/07 0854 | 3/19/07 1008 | ND | | ND | | ND | |
| Q5685 | 940 | MW-66D (190') | 3/19/07 1008 | 3/23/07 0918 | ND | | ND | | ND | |
| Q5785 | 940 | MW-66D (190') | 3/23/07 0918 | 3/26/07 0819 | ND | | ND | | ND | |
| Q6173 | 940 | MW-66D (190') | 3/26/07 0819 | 3/29/07 0943 | ND | | ND | | ND | |
| Q6323 | 940 | MW-66D (190') | 3/29/07 0943 | 4/2/07 0941 | ND | | ND | | ND | |
| Q6554 | 940 | MW-66D (190') | 4/2/07 0941 | 4/6/07 0925 | ND | | ND | | ND | |
| Q6716 | 940 | MW-66D (190') | 4/6/07 0925 | 4/10/07 0827 | ND | | ND | | ND | |
| Q7006 | 940 | MW-66D (190') | 4/10/07 0827 | 4/17/07 0754 | ND | | ND | | ND | |
| Q7318 | 940 | MW-66D (190') | 4/17/07 0754 | 4/24/07 0838 | ND | | ND | | ND | |
| Q7606 | 940 | MW-66D (190') | 4/24/07 0838 | 5/1/07 1034 | ND | | ND | | ND | |
| Q8196 | 940 | MW-66D (190') | 5/3/07 0751 | 5/10/07 1053 | ND | | ND | | ND | |
| **Q2066** | **950** | **I-2** | **1/16/07 0800** | **2/1/07 1418** | **ND** | | **ND** | | **ND** | |
| Q2454 | 950 | I-2 | 2/1/07 1418 | 2/8/07 0825 | ND | | ND | | ND | |
| Q2395 | 950 | I-2 | 2/8/07 0825 | 2/9/07 0839 | ND | | ND | | ND | |
| Q2510 | 950 | I-2 | 2/9/07 0839 | 2/10/07 0745 | ND | | ND | | ND | |
| Q2606 | 950 | I-2 | 2/10/07 0745 | 2/11/07 0723 | ND | | ND | | ND | |
| Q2632 | 950 | I-2 | 2/11/07 0723 | 2/12/07 0825 | ND | | ND | | ND | |
| Q2846 | 950 | I-2 | 2/12/07 0825 | 2/13/07 0800 | ND | | ND | | ND | |
| Q2905 | 950 | I-2 | 2/13/07 0800 | 2/14/07 0800 | ND | | ND | | ND | |
| Q3227 | 950 | I-2 | 2/14/07 0800 | 2/16/07 0750 | ND | | ND | | ND | |
| Q3350 | 950 | I-2 | 2/16/07 0750 | 2/19/07 0745 | ND | | ND | | ND | |
| Q3489 | 950 | I-2 | 2/19/07 0745 | 2/21/07 0804 | ND | | ND | | ND | |
| Q3835 | 950 | I-2 | 2/21/07 0804 | 2/23/07 0755 | ND | | ND | | ND | |
| Q3577 | 950 | I-2 | 2/23/07 0755 | 2/26/07 1100 | ND | | ND | | ND | |
| Q3923 | 950 | I-2 | 2/26/07 1100 | 2/28/07 0830 | ND | | ND | | ND | |

Results

Charcoal Samplers

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q4125 | 950 | I-2 | 2/28/07 0830 | 3/2/07 1100 | ND | | ND | | ND | |
| Q4229 | 950 | I-2 | 3/2/07 1100 | 3/5/07 1420 | ND | | ND | | ND | |
| Q4602 | 950 | I-2 | 3/5/07 1420 | 3/7/07 0840 | ND | | ND | | ND | |
| Q4717 | 950 | I-2 | 3/7/07 0840 | 3/9/07 0733 | ND | | ND | | ND | |
| Q4832 | 950 | I-2 | 3/9/07 0733 | 3/12/07 0742 | ND | | ND | | ND | |
| Q5034 | 950 | I-2 | 3/12/07 0742 | 3/14/07 0818 | ND | | ND | | ND | |
| Q5436 | 950 | I-2 | 3/14/07 0818 | 3/16/07 0728 | ND | | ND | | ND | |
| Q5391 | 950 | I-2 | 3/16/07 0728 | 3/19/07 0838 | ND | | ND | | ND | |
| Q5716 | 950 | I-2 | 3/19/07 0838 | 3/23/07 0752 | ND | | ND | | ND | |
| Q5816 | 950 | I-2 | 3/23/07 0752 | 3/26/07 1126 | ND | | ND | | ND | |
| Q6132 | 950 | I-2 | 3/26/07 1126 | 3/29/07 1103 | ND | | ND | | ND | |
| Q6282 | 950 | I-2 | 3/29/07 1103 | 4/2/07 1327 | ND | | ND | | ND | |
| Q6586 | 950 | I-2 | 4/3/07 1355 | 4/6/07 0754 | ND | | ND | | ND | |
| Q6675 | 950 | I-2 | 4/6/07 0754 | 4/9/07 0808 | ND | | ND | | ND | |
| Q6969 | 950 | I-2 | 4/9/07 0808 | 4/16/07 0851 | ND | | ND | | ND | |
| Q7231 | 950 | I-2 | 4/16/07 0851 | 4/23/07 0733 | ND | | ND | | ND | |
| Q7484 | 950 | I-2 | 4/23/07 0733 | 4/30/07 0738 | ND | | ND | | ND | |
| Q8059 | 950 | I-2 | 5/3/07 0856 | 5/8/07 1307 | ND | | ND | | ND | |
| **Q2067** | **960** | **U2-C1** | **1/15/07 1247** | **2/1/07 1345** | **515.8 *** | **0.512** | **ND** | | **ND** | |
| Q2455 | 960 | U2-C1 | 2/1/07 1345 | 2/8/07 1033 | 515.2 * | 0.571 | ND | | ND | |
| Q2396 | 960 | U2-C1 | 2/8/07 1033 | 2/9/07 1128 | ND | | ND | | ND | |
| Q2511 | 960 | U2-C1 | 2/9/07 1128 | 2/10/07 0927 | ND | | ND | | ND | |
| Q2607 | 960 | U2-C1 | 2/10/07 0927 | 2/11/07 0905 | ND | | ND | | ND | |
| Q2633 | 960 | U2-C1 | 2/11/07 0905 | 2/12/07 0953 | ND | | ND | | ND | |
| Q2847 | 960 | U2-C1 | 2/12/07 0953 | 2/13/07 1454 | ND | | ND | | ND | |
| Q2906 | 960 | U2-C1 | 2/13/07 1454 | 2/14/07 1105 | ND | | ND | | ND | |
| Q3228 | 960 | U2-C1 | 2/14/07 1105 | 2/16/07 1050 | 515.2 * | 0.349 | ND | | ND | |
| Q3228D | 960 | U2-C1 | 2/14/07 1105 | 2/16/07 1050 | 517.2 * | 0.324 | ND | | ND | |
| Q3351 | 960 | U2-C1 | 2/16/07 1050 | 2/19/07 1000 | 516.9 * | 0.393 | ND | | ND | |
| Q3351D | 960 | U2-C1 | 2/16/07 1050 | 2/19/07 1000 | ND | | ND | | ND | |
| Q3490 | 960 | U2-C1 | 2/19/07 1000 | 2/21/07 0905 | 516.2 * | 0.465 | ND | | ND | |
| Q3836 | 960 | U2-C1 | 2/21/07 0905 | 2/23/07 0848 | ND | | ND | | ND | |
| Q3578 | 960 | U2-C1 | 2/23/07 0848 | 2/26/07 1023 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q3578D | 960 | U2-C1 | 2/23/07 0848 | 2/26/07 1023 | ND | | ND | | ND | |
| Q3924 | 960 | U2-C1 | 2/26/07 1023 | 2/28/07 1040 | ND | | ND | | ND | |
| Q3924D | 960 | U2-C1 | 2/26/07 1023 | 2/28/07 1040 | ND | | ND | | ND | |
| Q4126 | 960 | U2-C1 | 2/28/07 1040 | 3/2/07 1020 | 516.1 * | 0.364 | ND | | ND | |
| Q4230 | 960 | U2-C1 | 3/2/07 1020 | 3/5/07 1114 | 515.0 * | 0.603 | ND | | ND | |
| Q4603 | 960 | U2-C1 | 3/5/07 1114 | 3/7/07 1400 | 514.6 * | 0.457 | ND | | ND | |
| Q4718 | 960 | U2-C1 | 3/7/07 1400 | 3/9/07 0903 | ND | | ND | | ND | |
| Q4833 | 960 | U2-C1 | 3/9/07 0903 | 3/12/07 1152 | ND | | ND | | ND | |
| Q5035 | 960 | U2-C1 | 3/12/07 1152 | 3/14/07 1036 | ND | | ND | | ND | |
| Q5437 | 960 | U2-C1 | 3/14/07 1036 | 3/16/07 1211 | 515.0 * | 0.456 | ND | | ND | |
| Q5437D | 960 | U2-C1 | 3/14/07 1036 | 3/16/07 1211 | 516.5 * | 0.384 | ND | | ND | |
| Q5392 | 960 | U2-C1 | 3/16/07 1211 | 3/19/07 1125 | ND | | ND | | ND | |
| Q5717 | 960 | U2-C1 | 3/19/07 1125 | 3/23/07 1047 | 516.8 * | 0.474 | ND | | ND | |
| Q5717D | 960 | U2-C1 | 3/19/07 1125 | 3/23/07 1047 | 515.2 * | 1.15 | ND | | ND | |
| Q5817 | 960 | U2-C1 | 3/23/07 1047 | 3/26/07 0933 | ND | | ND | | ND | |
| Q6133 | 960 | U2-C1 | 3/26/07 0933 | 3/29/07 1148 | ND | | ND | | ND | |
| Q6133D | 960 | U2-C1 | 3/26/07 0933 | 3/29/07 1148 | 516.0 * | 1.60 | ND | | ND | |
| Q6283 | 960 | U2-C1 | 3/29/07 1118 | 4/2/07 0920 | ND | | ND | | ND | |
| Q6283D | 960 | U2-C1 | 3/29/07 1118 | 4/2/07 0920 | ND | | ND | | ND | |
| Q6587 | 960 | U2-C1 | 4/2/07 0920 | 4/6/07 1111 | ND | | ND | | ND | |
| Q6587D | 960 | U2-C1 | 4/2/07 0920 | 4/6/07 1111 | ND | | ND | | ND | |
| Q6676 | 960 | U2-C1 | 4/6/07 1111 | 4/9/07 1043 | ND | | ND | | ND | |
| Q6970 | 960 | U2-C1 | 4/9/07 1043 | 4/16/07 0954 | ND | | ND | | ND | |
| Q6970D | 960 | U2-C1 | 4/9/07 1043 | 4/16/07 0954 | ND | | ND | | ND | |
| Q7232 | 960 | U2-C1 | 4/16/07 0954 | 4/23/07 1053 | ND | | ND | | ND | |
| Q7485 | 960 | U2-C1 | 4/23/07 1053 | 4/30/07 0833 | 515.4 * | 0.754 | ND | | ND | |
| Q8061 | 960 | U2-C1 | 5/3/07 0913 | 5/9/07 1350 | 514.2 * | 0.782 | ND | | ND | |
| **Q0813** | **970** | **MW-62A (55')** | **11/16/06 1428** | **11/21/06 0758** | **ND** | | **ND** | | **ND** | |
| Q1045 | 970 | MW-62A (55') | 11/21/06 0758 | 11/28/06 0832 | ND | | ND | | ND | |
| Q1276 | 970 | MW-62A (55') | 11/28/06 0832 | 12/5/06 1045 | ND | | ND | | ND | |
| Q2095 | 970 | MW-62A (55') | 1/16/07 1335 | 2/1/07 1005 | ND | | ND | | ND | |
| Q2424 | 970 | MW-62A (55') | 2/1/07 1005 | 2/8/07 1400 | ND | | ND | | ND | |
| Q2458 | 970 | MW-62A (55') | 2/8/07 1400 | 2/9/07 1008 | ND | | ND | | ND | |

Results

Charcoal Samplers

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q2575 | 970 | MW-62A (55') | 2/9/07 1400 | 2/10/07 0818 | ND | | ND | | ND | |
| Q2538 | 970 | MW-62A (55') | 2/10/07 0818 | 2/11/07 0821 | ND | | ND | | ND | |
| Q2659 | 970 | MW-62A (55') | 2/11/07 0821 | 2/12/07 1005 | ND | | ND | | ND | |
| Q2874 | 970 | MW-62A (55') | 2/12/07 1255 | 2/13/07 1000 | ND | | ND | | ND | |
| Q2932 | 970 | MW-62A (55') | 2/13/07 1000 | 2/14/07 1010 | ND | | ND | | ND | |
| Q3253 | 970 | MW-62A (55') | 2/14/07 1010 | 2/16/07 1158 | ND | | ND | | ND | |
| Q3319 | 970 | MW-62A (55') | 2/16/07 1158 | 2/19/07 0816 | ND | | ND | | ND | |
| Q3516 | 970 | MW-62A (55') | 2/19/07 0816 | 2/21/07 0830 | ND | | ND | | ND | |
| Q3863 | 970 | MW-62A (55') | 2/21/07 0830 | 2/23/07 0940 | ND | | ND | | ND | |
| Q3605 | 970 | MW-62A (55') | 2/23/07 0940 | 2/26/07 1058 | ND | | ND | | ND | |
| Q3953 | 970 | MW-62A (55') | 2/26/07 1059 | 2/28/07 1112 | ND | | ND | | ND | |
| Q4142 | 970 | MW-62A (55') | 2/28/07 1112 | 3/2/07 1005 | ND | | ND | | ND | |
| Q4196 | 970 | MW-62A (55') | 3/2/07 1005 | 3/5/07 1025 | ND | | ND | | ND | |
| Q4567 | 970 | MW-62A (55') | 3/5/07 1025 | 3/7/07 1158 | ND | | ND | | ND | |
| Q4748 | 970 | MW-62A (55') | 3/7/07 1159 | 3/9/07 0920 | ND | | ND | | ND | |
| Q4798 | 970 | MW-62A (55') | 3/9/07 0920 | 3/12/07 1004 | ND | | ND | | ND | |
| Q5065 | 970 | MW-62A (55') | 3/12/07 1004 | 3/14/07 1052 | ND | | ND | | ND | |
| Q5467 | 970 | MW-62A (55') | 3/14/07 1114 | 3/16/07 0928 | ND | | ND | | ND | |
| Q5350 | 970 | MW-62A (55') | 3/16/07 0928 | 3/19/07 1038 | ND | | ND | | ND | |
| Q5675 | 970 | MW-62A (55') | 3/19/07 1038 | 3/23/07 0952 | ND | | ND | | ND | |
| Q5775 | 970 | MW-62A (55') | 3/23/07 0952 | 3/26/07 0849 | ND | | ND | | ND | |
| Q6164 | 970 | MW-62A (55') | 3/26/07 0849 | 3/29/07 1022 | ND | | ND | | ND | |
| Q6313 | 970 | MW-62A (55') | 3/29/07 1022 | 4/2/07 1009 | ND | | ND | | ND | |
| Q6546 | 970 | MW-62A (55') | 4/2/07 1009 | 4/6/07 0953 | ND | | ND | | ND | |
| Q6707 | 970 | MW-62A (55') | 4/6/07 0953 | 4/10/07 0809 | ND | | ND | | ND | |
| **Q0814** | **980** | **MW-62B (83')** | **11/16/06 1422** | **11/21/06 0800** | **ND** | | **ND** | | **ND** | |
| Q1046 | 980 | MW-62B (83') | 11/21/06 0800 | 11/28/06 0835 | ND | | ND | | ND | |
| Q1277 | 980 | MW-62B (83') | 11/28/06 0835 | 12/5/06 1050 | ND | | ND | | ND | |
| Q2096 | 980 | MW-62B (83') | 1/16/07 1335 | 2/1/07 1005 | ND | | ND | | ND | |
| Q2425 | 980 | MW-62B (83') | 2/1/07 1005 | 2/8/07 1400 | ND | | ND | | ND | |
| Q2459 | 980 | MW-62B (83') | 2/8/07 1400 | 2/9/07 1009 | ND | | ND | | ND | |
| Q2576 | 980 | MW-62B (83') | 2/9/07 1400 | 2/10/07 0818 | ND | | ND | | ND | |
| Q2539 | 980 | MW-62B (83') | 2/10/07 0818 | 2/11/07 0821 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q2661 | 980 | MW-62B (83') | 2/11/07 0821 | 2/12/07 1005 | ND | | ND | | ND | |
| Q2875 | 980 | MW-62B (83') | 2/12/07 1005 | 2/13/07 1000 | ND | | ND | | ND | |
| Q2933 | 980 | MW-62B (83') | 2/13/07 1000 | 2/14/07 1010 | ND | | ND | | ND | |
| Q3254 | 980 | MW-62B (83') | 2/14/07 1010 | 2/16/07 1158 | ND | | ND | | ND | |
| Q3321 | 980 | MW-62B (83') | 2/16/07 1158 | 2/19/07 0816 | ND | | ND | | ND | |
| Q3517 | 980 | MW-62B (83') | 2/19/07 0816 | 2/21/07 0830 | ND | | ND | | ND | |
| Q3864 | 980 | MW-62B (83') | 2/21/07 0830 | 2/23/07 0940 | ND | | ND | | ND | |
| Q3606 | 980 | MW-62B (83') | 2/23/07 0940 | 2/26/07 1058 | ND | | ND | | ND | |
| Q3954 | 980 | MW-62B (83') | 2/26/07 1059 | 2/28/07 1112 | ND | | ND | | ND | |
| Q4143 | 980 | MW-62B (83') | 2/28/07 1112 | 3/2/07 1005 | ND | | ND | | ND | |
| Q4197 | 980 | MW-62B (83') | 3/2/07 1005 | 3/5/07 1025 | ND | | ND | | ND | |
| Q4568 | 980 | MW-62B (83') | 3/5/07 1025 | 3/7/07 1159 | ND | | ND | | ND | |
| Q4749 | 980 | MW-62B (83') | 3/7/07 1159 | 3/9/07 0920 | ND | | ND | | ND | |
| Q4799 | 980 | MW-62B (83') | 3/9/07 0920 | 3/12/07 1004 | ND | | ND | | ND | |
| Q5066 | 980 | MW-62B (83') | 3/12/07 1004 | 3/14/07 1052 | ND | | ND | | ND | |
| Q5468 | 980 | MW-62B (83') | 3/14/07 1052 | 3/16/07 0928 | ND | | ND | | ND | |
| Q5351 | 980 | MW-62B (83') | 3/16/07 0928 | 3/19/07 1038 | ND | | ND | | ND | |
| Q5676 | 980 | MW-62B (83') | 3/19/07 1038 | 3/23/07 0952 | ND | | ND | | ND | |
| Q5776 | 980 | MW-62B (83') | 3/23/07 0952 | 3/26/07 0849 | ND | | ND | | ND | |
| Q6165 | 980 | MW-62B (83') | 3/26/07 0849 | 3/29/07 1022 | ND | | ND | | ND | |
| Q6314 | 980 | MW-62B (83') | 3/29/07 1022 | 4/2/07 1009 | ND | | ND | | ND | |
| Q6547 | 980 | MW-62B (83') | 4/2/07 1009 | 4/6/07 0953 | ND | | ND | | ND | |
| Q6708 | 980 | MW-62B (83') | 4/6/07 0953 | 4/10/07 0809 | ND | | ND | | ND | |
| **Q0815** | **990** | **MW-62-18** | **11/16/06 1406** | **11/21/06 0805** | **ND** | | **ND** | | **ND** | |
| Q1281 | 990 | MW-62-18 | 11/28/06 0826 | 12/5/06 1054 | ND | | ND | | ND | |
| Q2099 | 990 | MW-62-18 | 1/16/07 1325 | 2/1/07 1029 | ND | | ND | | ND | |
| Q2428 | 990 | MW-62-18 | 2/1/07 1029 | 2/8/07 1345 | ND | | ND | | ND | |
| Q2463 | 990 | MW-62-18 | 2/8/07 1345 | 2/9/07 1019 | ND | | ND | | ND | |
| Q2579 | 990 | MW-62-18 | 2/9/07 1345 | 2/10/07 0810 | ND | | ND | | ND | |
| Q2543 | 990 | MW-62-18 | 2/10/07 0810 | 2/11/07 0816 | ND | | ND | | ND | |
| Q2664 | 990 | MW-62-18 | 2/11/07 0816 | 2/12/07 0950 | ND | | ND | | ND | |
| Q2878 | 990 | MW-62-18 | 2/12/07 0950 | 2/13/07 0955 | ND | | ND | | ND | |
| Q2936 | 990 | MW-62-18 | 2/13/07 0955 | 2/14/07 1002 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q3257 | 990 | MW-62-18 | 2/14/07 1002 | 2/16/07 1146 | ND | | ND | | ND | |
| Q3324 | 990 | MW-62-18 | 2/16/07 1146 | 2/19/07 0802 | ND | | ND | | ND | |
| Q3521 | 990 | MW-62-18 | 2/19/07 0802 | 2/21/07 0820 | ND | | ND | | ND | |
| Q3867 | 990 | MW-62-18 | 2/21/07 0826 | 2/23/07 0932 | ND | | ND | | ND | |
| Q3609 | 990 | MW-62-18 | 2/23/07 0932 | 2/26/07 1045 | ND | | ND | | ND | |
| Q3957 | 990 | MW-62-18 | 2/26/07 1045 | 2/28/07 1056 | ND | | ND | | ND | |
| Q4146 | 990 | MW-62-18 | 2/28/07 1056 | 3/2/07 0956 | ND | | ND | | ND | |
| Q4201 | 990 | MW-62-18 | 3/2/07 0956 | 3/5/07 1015 | ND | | ND | | ND | |
| Q4571 | 990 | MW-62-18 | 3/5/07 1015 | 3/7/07 1145 | ND | | ND | | ND | |
| Q4752 | 990 | MW-62-18 | 3/7/07 1145 | 3/9/07 0911 | ND | | ND | | ND | |
| Q4803 | 990 | MW-62-18 | 3/9/07 0911 | 3/12/07 0953 | ND | | ND | | ND | |
| Q5069 | 990 | MW-62-18 | 3/12/07 0953 | 3/14/07 1040 | ND | | ND | | ND | |
| Q5471 | 990 | MW-62-18 | 3/14/07 1040 | 3/16/07 0917 | ND | | ND | | ND | |
| Q5354 | 990 | MW-62-18 | 3/16/07 0928 | 3/19/07 1027 | ND | | ND | | ND | |
| Q5679 | 990 | MW-62-18 | 3/19/07 1027 | 3/23/07 0936 | ND | | ND | | ND | |
| Q5779 | 990 | MW-62-18 | 3/23/07 0936 | 3/26/07 0835 | ND | | ND | | ND | |
| Q6168 | 990 | MW-62-18 | 3/26/07 0835 | 3/29/07 1010 | ND | | ND | | ND | |
| Q6317 | 990 | MW-62-18 | 3/29/07 1010 | 4/2/07 0957 | ND | | ND | | ND | |
| Q6549 | 990 | MW-62-18 | 4/2/07 0957 | 4/6/07 0940 | ND | | ND | | ND | |
| Q6711 | 990 | MW-62-18 | 4/6/07 0940 | 4/10/07 0756 | ND | | ND | | ND | |
| Q7001 | 990 | MW-62-18 | 4/10/07 0756 | 4/17/07 1109 | ND | | ND | | ND | |
| Q7311 | 990 | MW-62-18 | 4/17/07 0900 | 4/23/07 1341 | ND | | ND | | ND | |
| Q7598 | 990 | MW-62-18 | 4/24/07 1341 | 5/1/07 1023 | ND | | ND | | ND | |
| Q8075 | 990 | MW-62-18 | 5/3/07 0757 | 5/9/07 1024 | ND | | ND | | ND | |
| Q8329 | 990 | MW-62-18 | 5/9/07 1024 | 5/16/07 1345 | ND | | ND | | ND | |
| **Q0816** | **1000** | **MW-62-35** | **11/16/06 1415** | **11/21/06 0800** | **ND** | | **ND** | | **ND** | |
| Q1282 | 1000 | MW-62-35 | 11/28/06 0829 | 12/5/06 1102 | ND | | ND | | ND | |
| Q2101 | 1000 | MW-62-35 | 1/16/07 1330 | 2/1/07 1035 | ND | | ND | | ND | |
| Q2429 | 1000 | MW-62-35 | 2/1/07 1035 | 2/8/07 1350 | ND | | ND | | ND | |
| Q2464 | 1000 | MW-62-35 | 2/8/07 1350 | 2/9/07 1024 | ND | | ND | | ND | |
| Q2581 | 1000 | MW-62-35 | 2/9/07 1345 | 2/10/07 0815 | ND | | ND | | ND | |
| Q2544 | 1000 | MW-62-35 | 2/10/07 0813 | 2/11/07 0817 | ND | | ND | | ND | |
| Q2665 | 1000 | MW-62-35 | 2/11/07 0817 | 2/12/07 1000 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q2879 | 1000 | MW-62-35 | 2/12/07 1000 | 2/13/07 0957 | ND | | ND | | ND | |
| Q2937 | 1000 | MW-62-35 | 2/13/07 0957 | 2/14/07 1005 | ND | | ND | | ND | |
| Q3258 | 1000 | MW-62-35 | 2/14/07 1005 | 2/16/07 1150 | ND | | ND | | ND | |
| Q3325 | 1000 | MW-62-35 | 2/16/07 1150 | 2/19/07 0808 | ND | | ND | | ND | |
| Q3522 | 1000 | MW-62-35 | 2/19/07 0808 | 2/21/07 0826 | ND | | ND | | ND | |
| Q3868 | 1000 | MW-62-35 | 2/21/07 0828 | 2/23/07 0935 | ND | | ND | | ND | |
| Q3610 | 1000 | MW-62-35 | 2/23/07 0933 | 2/26/07 1050 | ND | | ND | | ND | |
| Q3958 | 1000 | MW-62-35 | 2/26/07 1050 | 2/28/07 1105 | ND | | ND | | ND | |
| Q4147 | 1000 | MW-62-35 | 2/28/07 1105 | 3/2/07 1000 | ND | | ND | | ND | |
| Q4202 | 1000 | MW-62-35 | 3/2/07 1000 | 3/5/07 1019 | ND | | ND | | ND | |
| Q4572 | 1000 | MW-62-35 | 3/5/07 1019 | 3/5/07 1150 | ND | | ND | | ND | |
| Q4753 | 1000 | MW-62-35 | 3/7/07 1150 | 3/9/07 0914 | ND | | ND | | ND | |
| Q4804 | 1000 | MW-62-35 | 3/9/07 0919 | 3/12/07 0956 | ND | | ND | | ND | |
| Q5070 | 1000 | MW-62-35 | 3/12/07 0956 | 3/14/07 1044 | ND | | ND | | ND | |
| Q5472 | 1000 | MW-62-35 | 3/14/07 1044 | 3/16/07 0920 | ND | | ND | | ND | |
| Q5355 | 1000 | MW-62-35 | 3/16/07 0917 | 3/19/07 1030 | ND | | ND | | ND | |
| Q5681 | 1000 | MW-62-35 | 3/19/07 1030 | 3/23/07 0941 | ND | | ND | | ND | |
| Q5781 | 1000 | MW-62-35 | 3/23/07 0941 | 3/26/07 0840 | ND | | ND | | ND | |
| Q6169 | 1000 | MW-62-35 | 3/26/07 0840 | 3/29/07 1012 | ND | | ND | | ND | |
| Q6318 | 1000 | MW-62-35 | 3/29/07 1012 | 4/2/07 1000 | ND | | ND | | ND | |
| Q6550 | 1000 | MW-62-35 | 4/2/07 1000 | 4/6/07 0943 | ND | | ND | | ND | |
| Q6712 | 1000 | MW-62-35 | 4/6/07 0943 | 4/10/07 0801 | ND | | ND | | ND | |
| Q7002 | 1000 | MW-62-35 | 4/10/07 0801 | 4/17/07 1114 | ND | | ND | | ND | |
| Q7312 | 1000 | MW-62-35 | 4/17/07 0905 | 4/23/07 1345 | ND | | ND | | ND | |
| Q7599 | 1000 | MW-62-35 | 4/24/07 1345 | 5/1/07 1026 | ND | | ND | | ND | |
| Q8076 | 1000 | MW-62-35 | 5/3/07 0759 | 5/9/07 1028 | ND | | ND | | ND | |
| Q8330 | 1000 | MW-62-35 | 5/9/07 1028 | 5/16/07 1345 | 521.4 (3) | 10.9 | ND | | ND | |
| **Q1047** | **1010** | **MW-62C (138')** | **11/21/06 0805** | **11/28/06 0826** | **ND** | | **ND** | | **ND** | |
| Q1278 | 1010 | MW-62C (138') | 11/30/06 1500 | 12/5/06 1051 | ND | | ND | | ND | |
| Q2097 | 1010 | MW-62C (138') | 1/16/07 1335 | 2/1/07 1005 | ND | | ND | | ND | |
| Q2426 | 1010 | MW-62C (138') | 2/1/07 1005 | 2/8/07 1400 | ND | | ND | | ND | |
| Q2461 | 1010 | MW-62C (138') | 2/8/07 1400 | 2/9/07 1011 | ND | | ND | | ND | |
| Q2577 | 1010 | MW-62C (138') | 2/9/07 1400 | 2/10/07 0818 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q2541 | 1010 | MW-62C (138') | 2/10/07 0818 | 2/11/07 0821 | ND | | ND | | ND | |
| Q2662 | 1010 | MW-62C (138') | 2/11/07 0821 | 2/12/07 1005 | ND | | ND | | ND | |
| Q2876 | 1010 | MW-62C (138') | 2/12/07 1005 | 2/13/07 1000 | ND | | ND | | ND | |
| Q2934 | 1010 | MW-62C (138') | 2/13/07 1000 | 2/14/07 1010 | ND | | ND | | ND | |
| Q3255 | 1010 | MW-62C (138') | 2/14/07 1010 | 2/16/07 1158 | ND | | ND | | ND | |
| Q3322 | 1010 | MW-62C (138') | 2/16/07 1158 | 2/19/07 0816 | ND | | ND | | ND | |
| Q3518 | 1010 | MW-62C (138') | 2/19/07 0816 | 2/21/07 0830 | ND | | ND | | ND | |
| Q3865 | 1010 | MW-62C (138') | 2/21/07 0830 | 2/23/07 0940 | ND | | ND | | ND | |
| Q3607 | 1010 | MW-62C (138') | 2/23/07 0940 | 2/26/07 1058 | ND | | ND | | ND | |
| Q3955 | 1010 | MW-62C (138') | 2/26/07 1059 | 2/28/07 1112 | ND | | ND | | ND | |
| Q4144 | 1010 | MW-62C (138') | 2/28/07 1112 | 3/2/07 1005 | ND | | ND | | ND | |
| Q4198 | 1010 | MW-62C (138') | 3/2/07 1005 | 3/5/07 1025 | ND | | ND | | ND | |
| Q4569 | 1010 | MW-62C (138') | 3/5/07 1025 | 3/7/07 1159 | ND | | ND | | ND | |
| Q4750 | 1010 | MW-62C (138') | 3/7/07 1159 | 3/9/07 0920 | ND | | ND | | ND | |
| Q4801 | 1010 | MW-62C (138') | 3/9/07 0920 | 3/12/07 1004 | ND | | ND | | ND | |
| Q5067 | 1010 | MW-62C (138') | 3/12/07 1004 | 3/14/07 1052 | ND | | ND | | ND | |
| Q5469 | 1010 | MW-62C (138') | 3/14/07 1052 | 3/16/07 0928 | ND | | ND | | ND | |
| Q5352 | 1010 | MW-62C (138') | 3/16/07 0928 | 3/19/07 1038 | ND | | ND | | ND | |
| Q5677 | 1010 | MW-62C (138') | 3/19/07 1038 | 3/23/07 0952 | ND | | ND | | ND | |
| Q5777 | 1010 | MW-62C (138') | 3/23/07 0952 | 3/26/07 0849 | ND | | ND | | ND | |
| Q6166 | 1010 | MW-62C (138') | 3/26/07 0849 | 3/29/07 1022 | ND | | ND | | ND | |
| Q6315 | 1010 | MW-62C (138') | 3/29/07 1022 | 4/2/07 1009 | ND | | ND | | ND | |
| Q6709 | 1010 | MW-62C (138') | 4/6/07 0953 | 4/10/07 0809 | ND | | ND | | ND | |
| **Q1048** | **1020** | **MW-62D (182')** | **11/21/06 0802** | **11/28/06 0829** | **ND** | | **ND** | | **ND** | |
| Q1279 | 1020 | MW-62D (182') | 11/30/06 1501 | 12/5/06 1052 | ND | | ND | | ND | |
| Q2098 | 1020 | MW-62D (182') | 1/16/07 1335 | 2/1/07 1005 | ND | | ND | | ND | |
| Q2427 | 1020 | MW-62D (182') | 2/1/07 1005 | 2/8/07 1400 | ND | | ND | | ND | |
| Q2462 | 1020 | MW-62D (182') | 2/8/07 1400 | 2/9/07 1015 | ND | | ND | | ND | |
| Q2578 | 1020 | MW-62D (182') | 2/9/07 1400 | 2/10/07 0818 | ND | | ND | | ND | |
| Q2542 | 1020 | MW-62D (182') | 2/10/07 0818 | 2/11/07 0821 | ND | | ND | | ND | |
| Q2663 | 1020 | MW-62D (182') | 2/11/07 0821 | 2/12/07 1005 | ND | | ND | | ND | |
| Q2877 | 1020 | MW-62D (182') | 2/12/07 1005 | 2/13/07 1000 | ND | | ND | | ND | |
| Q2935 | 1020 | MW-62D (182') | 2/13/07 1000 | 2/14/07 1010 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q3256 | 1020 | MW-62D (182') | 2/14/07 1010 | 2/16/07 1158 | ND | | ND | | ND | |
| Q3323 | 1020 | MW-62D (182') | 2/16/07 1158 | 2/19/07 0816 | ND | | ND | | ND | |
| Q3519 | 1020 | MW-62D (182') | 2/19/07 0816 | 2/21/07 0830 | ND | | ND | | ND | |
| Q3866 | 1020 | MW-62D (182') | 2/21/07 0830 | 2/23/07 0940 | ND | | ND | | ND | |
| Q3608 | 1020 | MW-62D (182') | 2/23/07 0940 | 2/26/07 1058 | ND | | ND | | ND | |
| Q3956 | 1020 | MW-62D (182') | 2/26/07 1059 | 2/28/07 1112 | ND | | ND | | ND | |
| Q4145 | 1020 | MW-62D (182') | 2/28/07 1112 | 3/2/07 1005 | ND | | ND | | ND | |
| Q4199 | 1020 | MW-62D (182') | 3/2/07 1005 | 3/5/07 1025 | ND | | ND | | ND | |
| Q4570 | 1020 | MW-62D (182') | 3/5/07 1025 | 3/7/07 1159 | ND | | ND | | ND | |
| Q4751 | 1020 | MW-62D (182') | 3/7/07 1159 | 3/9/07 0920 | ND | | ND | | ND | |
| Q4802 | 1020 | MW-62D (182') | 3/9/07 0920 | 3/12/07 1004 | ND | | ND | | ND | |
| Q5068 | 1020 | MW-62D (182') | 3/12/07 1004 | 3/14/07 1052 | ND | | ND | | ND | |
| Q5470 | 1020 | MW-62D (182') | 3/14/07 1052 | 3/16/07 0928 | ND | | ND | | ND | |
| Q5353 | 1020 | MW-62D (182') | 3/16/07 0928 | 3/19/07 1038 | ND | | ND | | ND | |
| Q5678 | 1020 | MW-62D (182') | 3/19/07 1038 | 3/23/07 0952 | ND | | ND | | ND | |
| Q5778 | 1020 | MW-62D (182') | 3/23/07 0952 | 3/26/07 0849 | ND | | ND | | ND | |
| Q6167 | 1020 | MW-62D (182') | 3/26/07 0849 | 3/29/07 1022 | ND | | ND | | ND | |
| Q6316 | 1020 | MW-62D (182') | 3/29/07 1022 | 4/2/07 1009 | ND | | ND | | ND | |
| Q6548 | 1020 | MW-62D (182') | 4/2/07 1009 | 4/6/07 0953 | ND | | ND | | ND | |
| Q6710 | 1020 | MW-62D (182') | 4/6/07 0953 | 4/10/07 0809 | ND | | ND | | ND | |
| **Q0817** | **1030** | **MW-63A (52')** | **11/15/06 1025** | **11/20/06 1345** | **ND** | | **ND** | | **ND** | |
| Q1049 | 1030 | MW-63A (52') | 11/20/06 1345 | 11/28/06 0855 | ND | | ND | | ND | |
| Q1283 | 1030 | MW-63A (52') | 11/28/06 0855 | 12/5/06 1410 | ND | | ND | | ND | |
| Q1942 | 1030 | MW-63A (52') | 1/12/07 1403 | 1/23/07 1411 | 516.0 * | 0.689 | ND | | ND | |
| Q2086 | 1030 | MW-63A (52') | 1/23/07 1411 | 2/1/07 1145 | ND | | ND | | ND | |
| Q2484 | 1030 | MW-63A (52') | 2/1/07 1145 | 2/8/07 1207 | ND | | ND | | ND | |
| Q2414 | 1030 | MW-63A (52') | 2/8/07 1207 | 2/9/07 1059 | ND | | ND | | ND | |
| Q2567 | 1030 | MW-63A (52') | 2/9/07 1059 | 2/10/07 1012 | ND | | ND | | ND | |
| Q2530 | 1030 | MW-63A (52') | 2/10/07 1012 | 2/11/07 0737 | ND | | ND | | ND | |
| Q2651 | 1030 | MW-63A (52') | 2/11/07 0737 | 2/12/07 1141 | ND | | ND | | ND | |
| Q2866 | 1030 | MW-63A (52') | 2/12/07 1141 | 2/13/07 0832 | ND | | ND | | ND | |
| Q2924 | 1030 | MW-63A (52') | 2/13/07 0852 | 2/14/07 0911 | ND | | ND | | ND | |
| Q3245 | 1030 | MW-63A (52') | 2/14/07 0911 | 2/16/07 1300 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q3311 | 1030 | MW-63A (52') | 2/16/07 1300 | 2/19/07 1006 | ND | | ND | | ND | |
| Q3508 | 1030 | MW-63A (52') | 2/19/07 1006 | 2/21/07 1052 | ND | | ND | | ND | |
| Q3854 | 1030 | MW-63A (52') | 2/21/07 1052 | 2/23/07 1027 | ND | | ND | | ND | |
| Q3596 | 1030 | MW-63A (52') | 2/23/07 1027 | 2/26/07 1127 | ND | | ND | | ND | |
| Q3945 | 1030 | MW-63A (52') | 2/26/07 1127 | 2/28/07 1140 | ND | | ND | | ND | |
| Q4170 | 1030 | MW-63A (52') | 2/28/07 1148 | 3/2/07 1054 | ND | | ND | | ND | |
| Q4188 | 1030 | MW-63A (52') | 3/2/07 1054 | 3/5/07 1053 | ND | | ND | | ND | |
| Q4558 | 1030 | MW-63A (52') | 3/5/07 1053 | 3/7/07 1348 | ND | | ND | | ND | |
| Q5058 | 1030 | MW-63A (52') | 3/7/07 1348 | 3/14/07 1122 | ND | | ND | | ND | |
| Q5461 | 1030 | MW-63A (52') | 3/7/07 1122 | 3/16/07 0956 | ND | | ND | | ND | |
| Q5344 | 1030 | MW-63A (52') | 3/16/07 0956 | 3/19/07 1107 | ND | | ND | | ND | |
| Q5669 | 1030 | MW-63A (52') | 3/19/07 1107 | 3/23/07 1027 | ND | | ND | | ND | |
| Q5769 | 1030 | MW-63A (52') | 3/23/07 1027 | 3/26/07 1047 | ND | | ND | | ND | |
| Q6157 | 1030 | MW-63A (52') | 3/26/07 1047 | 3/29/07 1103 | 516.2 * | 0.384 | ND | | ND | |
| Q6307 | 1030 | MW-63A (52') | 3/29/07 1103 | 4/2/07 1034 | ND | | ND | | ND | |
| Q6539 | 1030 | MW-63A (52') | 4/2/07 1034 | 4/6/07 1020 | ND | | ND | | ND | |
| Q6701 | 1030 | MW-63A (52') | 4/6/07 1020 | 4/10/07 1000 | ND | | ND | | ND | |
| Q6994 | 1030 | MW-63A (52') | 4/10/07 1000 | 4/17/07 0910 | ND | | ND | | ND | |
| **Q1943** | **1040** | **MW-63B (85')** | **1/12/07 1403** | **1/23/07 1411** | **515.8 *** | **0.472** | **ND** | | **ND** | |
| Q2087 | 1040 | MW-63B (85') | 1/23/07 1411 | 2/1/07 1151 | ND | | ND | | ND | |
| Q2485 | 1040 | MW-63B (85') | 2/1/07 1151 | 2/8/07 1208 | ND | | ND | | ND | |
| Q2415 | 1040 | MW-63B (85') | 2/8/07 1208 | 2/9/07 1059 | ND | | ND | | ND | |
| Q2568 | 1040 | MW-63B (85') | 2/9/07 1059 | 2/10/07 1012 | ND | | ND | | ND | |
| Q2531 | 1040 | MW-63B (85') | 2/10/07 1012 | 2/11/07 0737 | ND | | ND | | ND | |
| Q2652 | 1040 | MW-63B (85') | 2/11/07 0737 | 2/12/07 1141 | ND | | ND | | ND | |
| Q2867 | 1040 | MW-63B (85') | 2/12/07 1141 | 2/13/07 0852 | ND | | ND | | ND | |
| Q2925 | 1040 | MW-63B (85') | 2/13/07 0852 | 2/14/07 0911 | ND | | ND | | ND | |
| Q3246 | 1040 | MW-63B (85') | 2/14/07 0911 | 2/16/07 1300 | ND | | ND | | ND | |
| Q3312 | 1040 | MW-63B (85') | 2/16/07 1300 | 2/19/07 1006 | ND | | ND | | ND | |
| Q3509 | 1040 | MW-63B (85') | 2/19/07 1006 | 2/21/07 1052 | ND | | ND | | ND | |
| Q3855 | 1040 | MW-63B (85') | 2/21/07 1052 | 2/23/07 1027 | ND | | ND | | ND | |
| Q3597 | 1040 | MW-63B (85') | 2/23/07 1027 | 2/26/07 1127 | ND | | ND | | ND | |
| Q3946 | 1040 | MW-63B (85') | 2/26/07 1127 | 2/28/07 1148 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q4134 | 1040 | MW-63B (85') | 2/28/07 1148 | 3/2/07 1054 | ND | | ND | | ND | |
| Q4189 | 1040 | MW-63B (85') | 3/2/07 1054 | 3/5/07 1053 | ND | | ND | | ND | |
| Q4559 | 1040 | MW-63B (85') | 3/5/07 1053 | 3/7/07 1348 | ND | | ND | | ND | |
| Q5059 | 1040 | MW-63B (85') | 3/7/07 1348 | 3/14/07 1122 | ND | | ND | | ND | |
| Q5462 | 1040 | MW-63B (85') | 3/7/07 1122 | 3/16/07 0956 | ND | | ND | | ND | |
| Q5345 | 1040 | MW-63B (85') | 3/16/07 0956 | 3/19/07 1107 | ND | | ND | | ND | |
| Q5670 | 1040 | MW-63B (85') | 3/19/07 1107 | 3/23/07 1027 | ND | | ND | | ND | |
| Q5770 | 1040 | MW-63B (85') | 3/23/07 1027 | 3/26/07 1047 | ND | | ND | | ND | |
| Q6158 | 1040 | MW-63B (85') | 3/26/07 1047 | 3/29/07 1103 | ND | | ND | | ND | |
| Q6308 | 1040 | MW-63B (85') | 3/29/07 1103 | 4/2/07 1034 | ND | | ND | | ND | |
| Q6541 | 1040 | MW-63B (85') | 4/2/07 1034 | 4/6/07 1020 | ND | | ND | | ND | |
| Q6702 | 1040 | MW-63B (85') | 4/6/07 1020 | 4/10/07 1000 | ND | | ND | | ND | |
| Q6995 | 1040 | MW-63B (85') | 4/10/07 1000 | 4/17/07 0910 | ND | | ND | | ND | |
| **Q0819** | **1050** | **MW-63-18** | **11/15/06 0955** | **11/20/06 1400** | **ND** | | **ND** | | **ND** | |
| Q1051 | 1050 | MW-63-18 | 11/20/06 1400 | 11/28/06 0849 | ND | | ND | | ND | |
| Q1285 | 1050 | MW-63-18 | 11/28/06 0849 | 12/5/06 1405 | ND | | ND | | ND | |
| Q1946 | 1050 | MW-63-18 | 1/12/07 1352 | 1/23/07 1407 | ND | | ND | | ND | |
| Q2090 | 1050 | MW-63-18 | 1/23/07 1407 | 2/1/07 1133 | ND | | ND | | ND | |
| Q2488 | 1050 | MW-63-18 | 2/1/07 1133 | 2/8/07 1149 | ND | | ND | | ND | |
| Q2418 | 1050 | MW-63-18 | 2/8/07 1149 | 2/9/07 1052 | ND | | ND | | ND | |
| Q2571 | 1050 | MW-63-18 | 2/9/07 1052 | 2/10/07 1003 | ND | | ND | | ND | |
| Q2534 | 1050 | MW-63-18 | 2/10/07 1003 | 2/11/07 0729 | ND | | ND | | ND | |
| Q2655 | 1050 | MW-63-18 | 2/11/07 0729 | 2/12/07 1111 | ND | | ND | | ND | |
| Q2870 | 1050 | MW-63-18 | 2/12/07 1111 | 2/13/07 0846 | ND | | ND | | ND | |
| Q2928 | 1050 | MW-63-18 | 2/13/07 0846 | 2/14/07 0904 | ND | | ND | | ND | |
| Q3249 | 1050 | MW-63-18 | 2/14/07 0904 | 2/16/07 1250 | ND | | ND | | ND | |
| Q3315 | 1050 | MW-63-18 | 2/16/07 1250 | 2/19/07 0955 | ND | | ND | | ND | |
| Q3512 | 1050 | MW-63-18 | 2/19/07 0955 | 2/21/07 1040 | ND | | ND | | ND | |
| Q3858 | 1050 | MW-63-18 | 2/21/07 1040 | 2/23/07 1014 | ND | | ND | | ND | |
| Q3601 | 1050 | MW-63-18 | 2/23/07 1014 | 2/26/07 1115 | ND | | ND | | ND | |
| Q3949 | 1050 | MW-63-18 | 2/26/07 1115 | 2/28/07 1132 | ND | | ND | | ND | |
| Q4137 | 1050 | MW-63-18 | 2/28/07 1132 | 3/2/07 1045 | ND | | ND | | ND | |
| Q4192 | 1050 | MW-63-18 | 3/2/07 1045 | 3/5/07 1043 | ND | | ND | | ND | |

Results

Charcoal Samplers

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q4563 | 1050 | MW-63-18 | 3/5/07 1043 | 3/7/07 1336 | ND | | ND | | ND | |
| Q5063 | 1050 | MW-63-18 | 3/7/07 1336 | 3/14/07 1109 | ND | | ND | | ND | |
| Q5465 | 1050 | MW-63-18 | 3/7/07 1118 | 3/16/07 0945 | ND | | ND | | ND | |
| Q5348 | 1050 | MW-63-18 | 3/16/07 0945 | 3/19/07 1055 | ND | | ND | | ND | |
| Q5673 | 1050 | MW-63-18 | 3/19/07 1055 | 3/23/07 1013 | ND | | ND | | ND | |
| Q5773 | 1050 | MW-63-18 | 3/23/07 1013 | 3/26/07 1035 | ND | | ND | | ND | |
| Q6162 | 1050 | MW-63-18 | 3/26/07 1035 | 3/29/07 1051 | ND | | ND | | ND | |
| Q6311 | 1050 | MW-63-18 | 3/29/07 1051 | 4/2/07 1023 | ND | | ND | | ND | |
| Q6544 | 1050 | MW-63-18 | 4/2/07 1023 | 4/6/07 1008 | ND | | ND | | ND | |
| Q6705 | 1050 | MW-63-18 | 4/6/07 1008 | 4/10/07 0945 | ND | | ND | | ND | |
| Q6998 | 1050 | MW-63-18 | 4/10/07 0945 | 4/17/07 0900 | ND | | ND | | ND | |
| Q7313 | 1050 | MW-63-18 | 4/17/07 1109 | 4/24/07 0849 | ND | | ND | | ND | |
| Q7601 | 1050 | MW-63-18 | 4/24/07 0849 | 5/1/07 0817 | ND | | ND | | ND | |
| Q8077 | 1050 | MW-63-18 | 5/3/07 0932 | 5/9/07 0939 | ND | | ND | | ND | |
| Q8331 | 1050 | MW-63-18 | 5/9/07 0939 | 5/16/07 0924 | ND | | ND | | ND | |
| **Q0821** | **1060** | **MW-63-35** | **11/15/06 1005** | **11/20/06 1405** | **ND** | | **ND** | | **ND** | |
| Q1052 | 1060 | MW-63-35 | 11/20/06 1405 | 11/28/06 0853 | ND | | ND | | ND | |
| Q1286 | 1060 | MW-63-35 | 11/28/06 0853 | 12/5/06 1400 | ND | | ND | | ND | |
| Q1947 | 1060 | MW-63-35 | 1/12/07 1347 | 1/23/07 1400 | ND | | ND | | ND | |
| Q2091 | 1060 | MW-63-35 | 1/23/07 1400 | 2/1/07 1139 | ND | | ND | | ND | |
| Q2489 | 1060 | MW-63-35 | 2/1/07 1139 | 2/8/07 1158 | ND | | ND | | ND | |
| Q2419 | 1060 | MW-63-35 | 2/8/07 1158 | 2/9/07 1053 | ND | | ND | | ND | |
| Q2572 | 1060 | MW-63-35 | 2/9/07 1053 | 2/10/07 1006 | ND | | ND | | ND | |
| Q2535 | 1060 | MW-63-35 | 2/10/07 1006 | 2/11/07 0734 | ND | | ND | | ND | |
| Q2656 | 1060 | MW-63-35 | 2/11/07 0734 | 2/12/07 1130 | ND | | ND | | ND | |
| Q2871 | 1060 | MW-63-35 | 2/12/07 1130 | 2/13/07 0849 | ND | | ND | | ND | |
| Q2929 | 1060 | MW-63-35 | 2/13/07 0849 | 2/14/07 0908 | ND | | ND | | ND | |
| Q3250 | 1060 | MW-63-35 | 2/14/07 0908 | 2/16/07 1255 | ND | | ND | | ND | |
| Q3316 | 1060 | MW-63-35 | 2/16/07 1255 | 2/19/07 1000 | ND | | ND | | ND | |
| Q3513 | 1060 | MW-63-35 | 2/19/07 1000 | 2/21/07 1045 | ND | | ND | | ND | |
| Q3859 | 1060 | MW-63-35 | 2/21/07 1045 | 2/23/07 1019 | ND | | ND | | ND | |
| Q3602 | 1060 | MW-63-35 | 2/23/07 1019 | 2/26/07 1120 | ND | | ND | | ND | |
| Q3950 | 1060 | MW-63-35 | 2/26/07 1120 | 2/28/07 1140 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q4138 | 1060 | MW-63-35 | 2/28/07 1140 | 3/2/07 1049 | ND | | ND | | ND | |
| Q4193 | 1060 | MW-63-35 | 3/2/07 1049 | 3/5/07 1046 | ND | | ND | | ND | |
| Q4564 | 1060 | MW-63-35 | 3/5/07 1046 | 3/7/07 1338 | ND | | ND | | ND | |
| Q5064 | 1060 | MW-63-35 | 3/7/07 1338 | 3/14/07 1114 | ND | | ND | | ND | |
| Q5466 | 1060 | MW-63-35 | 3/7/07 1109 | 3/16/07 0948 | ND | | ND | | ND | |
| Q5349 | 1060 | MW-63-35 | 3/16/07 0948 | 3/19/07 1100 | ND | | ND | | ND | |
| Q5674 | 1060 | MW-63-35 | 3/19/07 1100 | 3/23/07 1017 | ND | | ND | | ND | |
| Q5774 | 1060 | MW-63-35 | 3/23/07 1017 | 3/26/07 1039 | ND | | ND | | ND | |
| Q6163 | 1060 | MW-63-35 | 3/26/07 1039 | 3/29/07 1055 | ND | | ND | | ND | |
| Q6312 | 1060 | MW-63-35 | 3/29/07 1055 | 4/2/07 1026 | ND | | ND | | ND | |
| Q6545 | 1060 | MW-63-35 | 4/2/07 1008 | 4/6/07 1012 | ND | | ND | | ND | |
| Q6706 | 1060 | MW-63-35 | 4/6/07 1012 | 4/10/07 0950 | ND | | ND | | ND | |
| Q6999 | 1060 | MW-63-35 | 4/10/07 0950 | 4/17/07 0905 | ND | | ND | | ND | |
| Q7314 | 1060 | MW-63-35 | 4/17/07 1114 | 4/24/07 0853 | ND | | ND | | ND | |
| Q7602 | 1060 | MW-63-35 | 4/24/07 0853 | 5/1/07 0819 | ND | | ND | | ND | |
| Q8078 | 1060 | MW-63-35 | 5/3/07 0933 | 5/9/07 0942 | ND | | ND | | ND | |
| Q8332 | 1060 | MW-63-35 | 5/9/07 0942 | 5/16/07 0924 | ND | | ND | | ND | |
| **Q0818** | **1070** | **MW-63C (125')** | **11/15/06 1040** | **11/20/06 1350** | **ND** | | **ND** | | **ND** | |
| Q1050 | 1070 | MW-63C (125') | 11/20/06 1350 | 11/28/06 0900 | ND | | ND | | ND | |
| Q1284 | 1070 | MW-63C (125') | 11/28/06 0900 | 12/5/06 1415 | ND | | ND | | ND | |
| Q1944 | 1070 | MW-63C (125') | 1/12/07 1403 | 1/23/07 1411 | ND | | ND | | ND | |
| Q2088 | 1070 | MW-63C (125') | 1/23/07 1411 | 2/1/07 1156 | ND | | ND | | ND | |
| Q2486 | 1070 | MW-63C (125') | 2/1/07 1156 | 2/8/07 1209 | ND | | ND | | ND | |
| Q2416 | 1070 | MW-63C (125') | 2/8/07 1209 | 2/9/07 1059 | ND | | ND | | ND | |
| Q2569 | 1070 | MW-63C (125') | 2/9/07 1059 | 2/10/07 1012 | ND | | ND | | ND | |
| Q2532 | 1070 | MW-63C (125') | 2/10/07 1012 | 2/11/07 0737 | ND | | ND | | ND | |
| Q2653 | 1070 | MW-63C (125') | 2/11/07 0737 | 2/12/07 1141 | ND | | ND | | ND | |
| Q2868 | 1070 | MW-63C (125') | 2/12/07 1141 | 2/13/07 0852 | ND | | ND | | ND | |
| Q2926 | 1070 | MW-63C (125') | 2/13/07 0852 | 2/14/07 0911 | ND | | ND | | ND | |
| Q3247 | 1070 | MW-63C (125') | 2/14/07 0911 | 2/16/07 1300 | ND | | ND | | ND | |
| Q3313 | 1070 | MW-63C (125') | 2/16/07 1300 | 2/19/07 1006 | ND | | ND | | ND | |
| Q3510 | 1070 | MW-63C (125') | 2/19/07 1006 | 2/21/07 1052 | ND | | ND | | ND | |
| Q3856 | 1070 | MW-63C (125') | 2/21/07 1052 | 2/23/07 1027 | ND | | ND | | ND | |

Charcoal Samplers



| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results Peak nm | Fluorescein Results Conc. ppb | Eosine Results Peak nm | Eosine Results Conc. ppb | RWT Results Peak nm | RWT Results Conc. ppb |
|---|---|---|---|---|---|---|---|---|---|---|
| Q3598 | 1070 | MW-63C (125') | 2/23/07 1027 | 2/26/07 1127 | ND | | ND | | ND | |
| Q3947 | 1070 | MW-63C (125') | 2/26/07 1127 | 2/28/07 1148 | ND | | ND | | ND | |
| Q4135 | 1070 | MW-63C (125') | 2/28/07 1148 | 3/2/07 1054 | ND | | ND | | ND | |
| Q4190 | 1070 | MW-63C (125') | 3/2/07 1054 | 3/5/07 1053 | ND | | ND | | ND | |
| Q4561 | 1070 | MW-63C (125') | 3/5/07 1053 | 3/7/07 1348 | ND | | ND | | ND | |
| Q5061 | 1070 | MW-63C (125') | 3/7/07 1348 | 3/14/07 1122 | ND | | ND | | ND | |
| Q5463 | 1070 | MW-63C (125') | 3/7/07 1122 | 3/16/07 0956 | ND | | ND | | ND | |
| Q5346 | 1070 | MW-63C (125') | 3/16/07 0956 | 3/19/07 1107 | ND | | ND | | ND | |
| Q5671 | 1070 | MW-63C (125') | 3/19/07 1107 | 3/23/07 1027 | ND | | ND | | ND | |
| Q5771 | 1070 | MW-63C (125') | 3/23/07 1027 | 3/26/07 1047 | ND | | ND | | ND | |
| Q6159 | 1070 | MW-63C (125') | 3/26/07 1047 | 3/29/07 1103 | ND | | ND | | ND | |
| Q6309 | 1070 | MW-63C (125') | 3/29/07 1103 | 4/2/07 1034 | ND | | ND | | ND | |
| Q6542 | 1070 | MW-63C (125') | 4/2/07 1034 | 4/6/07 1020 | ND | | ND | | ND | |
| Q6703 | 1070 | MW-63C (125') | 4/6/07 1020 | 4/10/07 1000 | ND | | ND | | ND | |
| Q6996 | 1070 | MW-63C (125') | 4/10/07 1000 | 4/17/07 0910 | ND | | ND | | ND | |
| **Q1945** | **1080** | **MW-63D (177')** | **1/12/07 1403** | **1/23/07 1411** | **ND** | | **ND** | | **ND** | |
| Q2089 | 1080 | MW-63D (177') | 1/23/07 1411 | 2/1/07 1159 | ND | | ND | | ND | |
| Q2487 | 1080 | MW-63D (177') | 2/1/07 1159 | 2/8/07 1210 | ND | | ND | | ND | |
| Q2417 | 1080 | MW-63D (177') | 2/8/07 1210 | 2/9/07 1059 | ND | | ND | | ND | |
| Q2570 | 1080 | MW-63D (177') | 2/9/07 1059 | 2/10/07 1012 | ND | | ND | | ND | |
| Q2533 | 1080 | MW-63D (177') | 2/10/07 1012 | 2/11/07 0737 | ND | | ND | | ND | |
| Q2654 | 1080 | MW-63D (177') | 2/11/07 0737 | 2/12/07 1141 | ND | | ND | | ND | |
| Q2869 | 1080 | MW-63D (177') | 2/12/07 1141 | 2/13/07 0852 | ND | | ND | | ND | |
| Q2927 | 1080 | MW-63D (177') | 2/13/07 0852 | 2/14/07 0911 | ND | | ND | | ND | |
| Q3248 | 1080 | MW-63D (177') | 2/14/07 0911 | 2/16/07 1300 | ND | | ND | | ND | |
| Q3314 | 1080 | MW-63D (177') | 2/16/07 1300 | 2/19/07 1006 | ND | | ND | | ND | |
| Q3511 | 1080 | MW-63D (177') | 2/19/07 1006 | 2/21/07 1052 | ND | | ND | | ND | |
| Q3857 | 1080 | MW-63D (177') | 2/21/07 1052 | 2/23/07 1027 | ND | | ND | | ND | |
| Q3599 | 1080 | MW-63D (177') | 2/23/07 1027 | 2/26/07 1127 | ND | | ND | | ND | |
| Q3948 | 1080 | MW-63D (177') | 2/26/07 1127 | 2/28/07 1148 | ND | | ND | | ND | |
| Q4136 | 1080 | MW-63D (177') | 2/28/07 1148 | 3/2/07 1054 | ND | | ND | | ND | |
| Q4191 | 1080 | MW-63D (177') | 3/2/07 1054 | 3/5/07 1053 | ND | | ND | | ND | |
| Q4562 | 1080 | MW-63D (177') | 3/5/07 1053 | 3/7/07 1348 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q5062 | 1080 | MW-63D (177') | 3/7/07 1348 | 3/14/07 1122 | ND | | ND | | ND | |
| Q5464 | 1080 | MW-63D (177') | 3/7/07 1122 | 3/16/07 0956 | ND | | ND | | ND | |
| Q5347 | 1080 | MW-63D (177') | 3/16/07 0956 | 3/19/07 1107 | ND | | ND | | ND | |
| Q5672 | 1080 | MW-63D (177') | 3/19/07 1107 | 3/23/07 1027 | ND | | ND | | ND | |
| Q5772 | 1080 | MW-63D (177') | 3/23/07 1027 | 3/26/07 1047 | ND | | ND | | ND | |
| Q6161 | 1080 | MW-63D (177') | 3/26/07 1047 | 3/29/07 1103 | ND | | ND | | ND | |
| Q6310 | 1080 | MW-63D (177') | 3/29/07 1103 | 4/2/07 1034 | ND | | ND | | ND | |
| Q6543 | 1080 | MW-63D (177') | 4/2/07 1034 | 4/6/07 1020 | ND | | ND | | ND | |
| Q6704 | 1080 | MW-63D (177') | 4/6/07 1020 | 4/10/07 1000 | ND | | ND | | ND | |
| Q6997 | 1080 | MW-63D (177') | 4/10/07 1000 | 4/17/07 0910 | ND | | ND | | ND | |
| **Q0822** | **1090** | **MW-65B (74') (upgradient control)** | **11/15/06 1406** | **11/20/06 1345** | **ND** | | **ND** | | **ND** | |
| Q1053 | 1090 | MW-65B (74') (upgradient control) | 11/20/06 1345 | 11/27/06 1328 | ND | | ND | | ND | |
| Q1949 | 1090 | MW-65-80' (upgradient control) | 1/10/07 0941 | 1/24/07 1338 | ND | | ND | | ND | |
| Q3282 | 1090 | MW-65-80' (upgradient control) | 1/24/07 1338 | 2/15/07 0855 | ND | | ND | | ND | |
| Q4097 | 1090 | MW-65B (74') (upgradient control) | 2/15/07 0855 | 3/2/07 1218 | ND | | ND | | ND | |
| Q5582 | 1090 | MW-65B (74') (upgradient control) | 3/2/07 1218 | 3/21/07 1040 | ND | | ND | | ND | |
| Q5985 | 1090 | MW-65-80 (upgradient control) | 3/2/07 1040 | 3/27/07 1004 | ND | | ND | | ND | |
| Q6755 | 1090 | MW-65-80 (upgradient control) | 3/26/07 1004 | 4/11/07 1112 | ND | | ND | | ND | |
| Q7343 | 1090 | MW-65-80 (upgradient control) | 4/11/07 1112 | 4/25/07 0809 | ND | | ND | | ND | |
| Q7655 | 1090 | MW-65-80 (upgradient control) | 4/25/07 0809 | 5/1/07 1158 | ND | | ND | | ND | |
| Q8034 | 1090 | MW-65B (74') (upgradient control) | 5/1/07 1158 | 5/8/07 1318 | ND | | ND | | ND | |
| **Q1948** | **1095** | **MW-65-48' (upgradient control)** | **1/10/07 0944** | **1/24/07 1334** | **ND** | | **ND** | | **ND** | |
| Q3283 | 1095 | MW-65-48' (upgradient control) | 1/24/07 1334 | 2/15/07 0850 | ND | | ND | | ND | |
| Q4096 | 1095 | MW-65-48' (upgradient control) | 2/15/07 0850 | 3/2/07 1212 | ND | | ND | | ND | |
| Q5581 | 1095 | MW-65-48' (upgradient control) | 3/2/07 1212 | 3/21/07 1035 | ND | | ND | | ND | |
| Q5984 | 1095 | MW-65-48' (upgradient control) | 3/2/07 1035 | 3/27/07 0959 | ND | | ND | | ND | |
| Q6754 | 1095 | MW-65-48' (upgradient control) | 3/27/07 0959 | 4/11/07 1107 | ND | | ND | | ND | |
| Q7342 | 1095 | MW-65-48' (upgradient control) | 4/11/07 1107 | 4/25/07 0805 | ND | | ND | | ND | |
| Q7654 | 1095 | MW-65-48' (upgradient control) | 4/25/07 0805 | 5/1/07 1157 | ND | | ND | | ND | |
| Q8033 | 1095 | MW-65-48' (upgradient control) | 5/1/07 1157 | 5/8/07 1315 | ND | | ND | | ND | |
| **Q0823** | **1100** | **MW107 (open hole control)** | **11/14/06 1151** | **11/20/06 1120** | **ND** | | **ND** | | **ND** | |
| Q1054 | 1100 | MW-107 (open hole control) | 11/20/06 1120 | 11/27/06 1344 | ND | | ND | | ND | |
| Q1287 | 1100 | MW-107 (open hole control) | 11/27/06 1344 | 12/4/06 0810 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q1950 | 1100 | MW-107 (open hole control) | 1/12/07 1020 | 1/24/07 1155 | ND | | ND | | ND | |
| Q3284 | 1100 | MW-107 (open hole control) | 1/24/07 1155 | 2/15/07 1103 | ND | | ND | | ND | |
| Q4098 | 1100 | MW-107 (open hole control) | 2/15/07 1103 | 3/1/07 1340 | ND | | ND | | ND | |
| Q5406 | 1100 | MW-107 (open hole control) | 3/1/07 1340 | 3/13/07 1352 | ND | | ND | | ND | |
| Q5986 | 1100 | MW-107 (open hole control) | 3/13/07 1352 | 3/26/07 1328 | ND | | ND | | ND | |
| Q6756 | 1100 | MW-107 (open hole control) | 3/27/07 1352 | 4/11/07 0826 | ND | | ND | | ND | |
| Q7344 | 1100 | MW-107 (open hole control) | 4/11/07 0826 | 4/25/07 0922 | ND | | ND | | ND | |
| Q8035 | 1100 | MW-107 (open hole control) | 4/25/07 0922 | 5/9/07 0650 | ND | | ND | | ND | |
| **Q0828** | **1123** | **MW-111** | **11/14/06 0923** | **11/20/06 1012** | **ND** | | **ND** | | **ND** | |
| Q1056 | 1123 | MW-111 | 11/24/06 1012 | 11/27/06 0817 | ND | | ND | | ND | |
| Q1288 | 1123 | MW-111 | 11/27/06 0817 | 12/5/06 1011 | ND | | ND | | ND | |
| Q2065 | 1123 | MW-111 | 1/15/07 1340 | 2/1/07 1353 | 516.8 * | 0.682 | ND | | ND | |
| Q2453 | 1123 | MW-111 | 2/1/07 1353 | 2/8/07 0950 | ND | | ND | | ND | |
| Q2394 | 1123 | MW-111 | 2/8/07 0950 | 2/9/07 1038 | ND | | ND | | ND | |
| Q2509 | 1123 | MW-111 | 2/9/07 1038 | 2/10/07 0830 | ND | | ND | | ND | |
| Q2605 | 1123 | MW-111 | 2/10/07 0830 | 2/11/07 0810 | ND | | ND | | ND | |
| Q2631 | 1123 | MW-111 | 2/11/07 0810 | 2/12/07 0905 | ND | | ND | | ND | |
| Q2845 | 1123 | MW-111 | 2/12/07 0905 | 2/13/07 0855 | ND | | ND | | ND | |
| Q2904 | 1123 | MW-111 | 2/13/07 0855 | 2/14/07 0820 | ND | | ND | | ND | |
| Q3226 | 1123 | MW-111 | 2/14/07 0820 | 2/16/07 0838 | ND | | ND | | ND | |
| Q3349 | 1123 | MW-111 | 2/16/07 0838 | 2/19/07 0908 | ND | | ND | | ND | |
| Q3488 | 1123 | MW-111 | 2/19/07 0908 | 2/21/07 0825 | ND | | ND | | ND | |
| Q3834 | 1123 | MW-111 | 2/21/07 0825 | 2/23/07 0815 | ND | | ND | | ND | |
| Q3576 | 1123 | MW-111 | 2/23/07 0815 | 2/26/07 0945 | ND | | ND | | ND | |
| Q3922 | 1123 | MW-111 | 2/26/07 0945 | 2/28/07 0948 | ND | | ND | | ND | |
| Q4124 | 1123 | MW-111 | 2/28/07 0948 | 3/2/07 0955 | 516.6 | 0.544 | ND | | ND | |
| Q4228 | 1123 | MW-111 | 3/2/07 0955 | 3/5/07 0856 | 515.5 | 1.18 | ND | | ND | |
| Q4601 | 1123 | MW-111 | 3/5/07 0856 | 3/7/07 1035 | 515.2 | 7.23 | ND | | ND | |
| Q4716 | 1123 | MW-111 | 3/7/07 1035 | 3/9/07 0810 | 515.3 | 8.94 | ND | | ND | |
| Q4831 | 1123 | MW-111 | 3/9/07 0810 | 3/12/07 0854 | 515.6 | 14.9 | ND | | ND | |
| Q5033 | 1123 | MW-111 | 3/12/07 0854 | 3/14/07 0845 | 515.1 | 16.4 | ND | | ND | |
| Q5435 | 1123 | MW-111 | 3/14/07 0845 | 3/16/07 0749 | 515.7 | 9.53 | ND | | ND | |
| Q5390 | 1123 | MW-111 | 3/16/07 0749 | 3/20/07 0745 | 515.5 | 32.3 | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q5715 | 1123 | MW-111 | 3/20/07 0745 | 3/23/07 0811 | 515.9 | 2.17 | ND | | ND | |
| Q5815 | 1123 | MW-111 | 3/23/07 0811 | 3/26/07 0910 | 515.2 | 5.38 | ND | | ND | |
| Q6131 | 1123 | MW-111 | 3/26/07 0910 | 3/29/07 1129 | 515.1 | 57.4 | ND | | ND | |
| Q6281 | 1123 | MW-111 | 3/29/07 1129 | 4/2/07 0839 | 515.2 | 37.1 | ND | | ND | |
| Q6585 | 1123 | MW-111 | 4/2/07 0839 | 4/6/07 0825 | 514.9 | 23.8 | ND | | ND | |
| Q6674 | 1123 | MW-111 | 4/6/07 0825 | 4/9/07 0915 | 515.0 | 19.1 | ND | | ND | |
| Q6968 | 1123 | MW-111 | 4/9/07 0915 | 4/17/07 1133 | 515.1 | 46.9 | ND | | ND | |
| Q7230 | 1123 | MW-111 | 4/17/07 1133 | 4/23/07 0859 | 515.5 | 9.59 | ND | | ND | |
| Q7483 | 1123 | MW-111 | 4/23/07 0859 | 4/30/07 0810 | 515.4 | 21.6 | ND | | ND | |
| Q8058 | 1123 | MW-111 | 5/4/07 0915 | 5/8/07 1505 | 514.9 | 51.2 | ND | | ND | |
| **Q0829** | **1125** | **N. Curtain Drain** | **11/15/06 1101** | **11/21/06 0850** | **ND** | | **ND** | | **ND** | |
| Q1061 | 1125 | N. Curtain Drain | 11/21/06 0850 | 11/28/06 0850 | ND | | ND | | ND | |
| Q1289 | 1125 | N. Curtain Drain | 11/28/06 0850 | 12/6/06 0835 | ND | | ND | | ND | |
| Q1951 | 1125 | N. Curtain Drain | 1/15/07 0953 | 1/23/07 1025 | ND | | ND | | ND | |
| Q1951D | 1125 | N. Curtain Drain | 1/15/07 0953 | 1/23/07 1025 | ND | | ND | | ND | |
| Q3285 | 1125 | N. Curtain Drain | 1/23/06 1025 | 2/15/07 1445 | ND | | ND | | ND | |
| Q3285D | 1125 | N. Curtain Drain | 1/23/07 1025 | 2/15/07 1445 | ND | | ND | | ND | |
| Q4099 | 1125 | N. Curtain Drain | 2/15/07 1445 | 3/1/07 1149 | ND | | ND | | ND | |
| Q4099D | 1125 | N. Curtain Drain | 2/15/07 1445 | 3/1/07 1149 | ND | | ND | | ND | |
| Q4239 | 1125 | N. Curtain Drain | 3/1/07 1012 | 3/5/07 0750 | ND | | ND | | ND | |
| Q4239D | 1125 | N. Curtain Drain | 3/1/07 1012 | 3/5/07 0750 | ND | | ND | | ND | |
| Q4612 | 1125 | N. Curtain Drain | 3/5/07 0000 | 3/7/07 1440 | ND | | ND | | ND | |
| Q4612D | 1125 | N. Curtain Drain | 3/5/07 0000 | 3/7/07 1440 | ND | | ND | | ND | |
| Q4727 | 1125 | N. Curtain Drain | 3/7/07 1440 | 3/9/07 1145 | ND | | ND | | ND | |
| Q4727D | 1125 | N. Curtain Drain | 3/7/07 1440 | 3/9/07 1145 | ND | | ND | | ND | |
| Q4843 | 1125 | N. Curtain Drain | 3/9/07 1145 | 3/12/07 0805 | ND | | ND | | ND | |
| Q5037 | 1125 | N. Curtain Drain | 3/12/07 0805 | 3/14/07 0725 | 515.4 | 8.39 | ND | | ND | |
| Q5037D | 1125 | N. Curtain Drain | 3/12/07 0805 | 3/14/07 0725 | ND | | ND | | ND | |
| Q5439 | 1125 | N. Curtain Drain | 3/14/07 0725 | 3/16/07 1235 | ND | | ND | | ND | |
| Q5439D | 1125 | N. Curtain Drain | 3/14/07 0725 | 3/16/07 1235 | 515.6 | 0.799 | ND | | ND | |
| Q5394 | 1125 | N. Curtain Drain | 3/16/07 1235 | 3/19/07 0812 | ND | | ND | | ND | |
| Q5719 | 1125 | N. Curtain Drain | 3/19/07 0812 | 3/23/07 1411 | ND | | ND | | ND | |
| Q5819 | 1125 | N. Curtain Drain | 3/23/07 1411 | 3/26/07 0814 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q6135 | 1125 | N. Curtain Drain | 3/26/07 0814 | 3/29/07 1255 | 515.0 | 1.96 | ND | | ND | |
| Q6135D | 1125 | N. Curtain Drain | 3/26/07 0814 | 3/29/07 1255 | ND | | ND | | ND | |
| Q6285 | 1125 | N. Curtain Drain | 3/29/07 1255 | 4/2/07 1305 | ND | | ND | | ND | |
| Q6589 | 1125 | N. Curtain Drain | 4/2/07 1305 | 4/6/07 1129 | ND | | ND | | ND | |
| Q6678 | 1125 | N. Curtain Drain | 4/6/07 1129 | 4/9/07 1303 | 515.4 * | 1.17 | ND | | ND | |
| Q6972 | 1125 | N. Curtain Drain | 4/9/07 1303 | 4/16/07 1300 | 515.0 | 1.16 | ND | | ND | |
| Q7234 | 1125 | N. Curtain Drain | 4/16/07 1300 | 4/23/07 1305 | ND | | ND | | ND | |
| Q7487 | 1125 | N. Curtain Drain | 4/23/07 1305 | 4/30/07 1304 | 516.4 | 2.15 | ND | | ND | |
| Q8205 | 1125 | N. Curtain Drain | 5/3/07 1323 | 5/11/07 1015 | 514.9 | 18.5 | ND | | ND | |
| **Q0830** | **1127** | **Sphere Foundation Sump-U1** | **11/15/06 1044** | **11/21/06 0835** | **ND** | | **ND** | | **ND** | |
| Q0830D | 1127 | Sphere Foundation Sump-U1 | 11/15/06 1044 | 11/21/06 0835 | ND | | ND | | ND | |
| Q1062 | 1127 | Sphere Foundation Sump-U1 | 11/21/06 0835 | 11/28/06 0835 | ND | | ND | | ND | |
| Q1290 | 1127 | Sphere Foundation Sump-U1 | 11/28/06 0838 | 12/6/06 0858 | ND | | ND | | ND | |
| Q1290D | 1127 | Sphere Foundation Sump-U1 | 11/28/06 0838 | 12/6/06 0858 | ND | | ND | | ND | |
| Q1952 | 1127 | Sphere Foundation Sump-U1 | 1/15/07 0945 | 1/23/07 1017 | ND | | ND | | ND | |
| Q1952D | 1127 | Sphere Foundation Sump-U1 | 1/15/07 0945 | 1/23/07 1017 | ND | | ND | | ND | |
| Q3286 | 1127 | Sphere Foundation Sump-U1 | 1/23/07 1017 | 2/15/07 1440 | 515.9 | 2.67 | ND | | ND | |
| Q4101 | 1127 | Sphere Foundation Sump-U1 | 2/15/07 1440 | 3/1/07 1143 | 516.0 * | 0.316 | ND | | ND | |
| Q4101D | 1127 | Sphere Foundation Sump-U1 | 2/15/07 1440 | 3/1/07 1143 | 515.2 | 18.2 | ND | | ND | |
| Q4133 | 1127 | Sphere Foundation Sump-U1 | 3/1/07 1143 | 3/2/07 0820 | ND | | ND | | ND | |
| Q4133D | 1127 | Sphere Foundation Sump-U1 | 3/1/07 1500 | 3/2/07 1249 | ND | | ND | | ND | |
| Q4238 | 1127 | Sphere Foundation Sump-U1 | 3/2/07 0820 | 3/5/07 0745 | ND | | ND | | ND | |
| Q4611 | 1127 | Sphere Foundation Sump-U1 | 3/5/07 0745 | 3/7/07 1435 | ND | | ND | | ND | |
| Q4611D | 1127 | Sphere Foundation Sump-U1 | 3/5/07 0745 | 3/7/07 1435 | ND | | ND | | ND | |
| Q4726 | 1127 | Sphere Foundation Sump-U1 | 3/7/07 1435 | 3/9/07 1140 | ND | | ND | | ND | |
| Q4726D | 1127 | Sphere Foundation Sump-U1 | 3/7/07 1435 | 3/9/07 1140 | ND | | ND | | ND | |
| Q4842 | 1127 | Sphere Foundation Sump-U1 | 3/9/07 1140 | 3/12/07 0801 | ND | | ND | | ND | |
| Q4842D | 1127 | Sphere Foundation Sump-U1 | 3/9/07 1140 | 3/12/07 0801 | ND | | ND | | ND | |
| Q5038 | 1127 | Sphere Foundation Sump-U1 | 3/12/07 0801 | 3/14/07 0720 | ND | | ND | | ND | |
| Q5441 | 1127 | Sphere Foundation Sump-U1 | 3/14/07 0720 | 3/16/07 1230 | ND | | ND | | ND | |
| Q5395 | 1127 | Sphere Foundation Sump-U1 | 3/16/07 1230 | 3/19/07 0806 | ND | | ND | | ND | |
| Q5721 | 1127 | Sphere Foundation Sump-U1 | 3/19/07 0806 | 3/23/07 1405 | ND | | ND | | ND | |
| Q5821 | 1127 | Sphere Foundation Sump-U1 | 3/23/07 1405 | 3/26/07 0810 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q6136 | 1127 | Sphere Foundation Sump-U1 | 3/26/07 0810 | 3/29/07 1250 | ND | | ND | | ND | |
| Q6136D | 1127 | Sphere Foundation Sump-U1 | 3/26/07 0810 | 3/29/07 1250 | ND | | ND | | ND | |
| Q6286 | 1127 | Sphere Foundation Sump-U1 | 3/29/07 1250 | 4/2/07 1300 | ND | | ND | | ND | |
| Q6286D | 1127 | Sphere Foundation Sump-U1 | 3/29/07 1250 | 4/2/07 1300 | ND | | ND | | ND | |
| Q6590 | 1127 | Sphere Foundation Sump-U1 | 4/2/07 1300 | 4/6/07 1253 | ND | | ND | | ND | |
| Q6590D | 1127 | Sphere Foundation Sump-U1 | 4/2/07 1300 | 4/6/07 1253 | ND | | ND | | ND | |
| Q6679 | 1127 | Sphere Foundation Sump-U1 | 4/6/07 1253 | 4/9/07 1258 | ND | | ND | | ND | |
| Q6679D | 1127 | Sphere Foundation Sump-U1 | 4/6/07 1253 | 4/9/07 1258 | ND | | ND | | ND | |
| Q7235 | 1127 | Sphere Foundation Sump-U1 | 4/9/07 1258 | 4/23/07 1258 | ND | | ND | | ND | |
| Q7488 | 1127 | Sphere Foundation Sump-U1 | 4/23/07 1258 | 4/30/07 1320 | ND | | ND | | ND | |
| Q7488D | 1127 | Sphere Foundation Sump-U1 | 4/23/07 1258 | 4/30/07 1320 | ND | | ND | | ND | |
| Q8206 | 1127 | Sphere Foundation Sump-U1 | 5/3/07 1318 | 5/11/07 1010 | 516.6 | 1.22 | ND | | ND | |
| **Q0824** | **1150** | **U3-3** | **11/15/06 1316** | **11/20/06 1405** | **ND** | | **ND** | | **ND** | |
| Q1055 | 1150 | U3-3 | 11/20/06 1405 | 11/27/06 1301 | ND | | ND | | ND | |
| Q1291 | 1150 | U3-3 | 11/27/06 1301 | 12/4/06 1010 | ND | | ND | | ND | |
| Q3287 | 1150 | U3-3 | 1/24/07 0955 | 2/13/07 1330 | ND | | ND | | ND | |
| Q4102 | 1150 | U3-3 | 2/13/07 1330 | 3/1/07 0948 | ND | | ND | | ND | |
| Q5407 | 1150 | U3-3 | 3/1/07 0948 | 3/14/07 1156 | 516.6 * | 0.673 | ND | | ND | |
| Q5987 | 1150 | U3-3 | 3/14/07 1156 | 3/27/07 1017 | 516.4 * | 0.925 | ND | | ND | |
| Q6757 | 1150 | U3-3 | 3/27/07 1156 | 4/11/07 1015 | ND | | ND | | ND | |
| Q7345 | 1150 | U3-3 | 4/11/07 1015 | 4/25/07 1047 | ND | | ND | | ND | |
| Q8036 | 1150 | U3-3 | 4/25/07 1047 | 5/8/07 1517 | ND | | ND | | ND | |
| **Q1953** | **1160** | **U3-4D** | **1/4/07 1153** | **1/24/07 0940** | **ND** | | **ND** | | **ND** | |
| Q3288 | 1160 | U3-4D | 1/24/07 0940 | 2/13/07 1409 | ND | | ND | | ND | |
| Q4103 | 1160 | U3-4D | 2/13/07 1409 | 3/1/07 1012 | 517.4 * | 0.858 | ND | | ND | |
| Q5408 | 1160 | U3-4D | 3/1/07 1012 | 3/14/07 1152 | ND | | ND | | ND | |
| Q5988 | 1160 | U3-4D | 3/14/07 1152 | 3/27/07 1342 | 517.6 * | 0.528 | ND | | ND | |
| Q6758 | 1160 | U3-4D | 3/27/07 1152 | 4/11/07 1008 | ND | | ND | | ND | |
| Q7346 | 1160 | U3-4D | 4/11/07 1008 | 4/25/07 1112 | 515.8 * | 0.868 | ND | | ND | |
| Q8037 | 1160 | U3-4D | 4/25/07 1112 | 5/8/07 1527 | 516.0 * | 0.784 | ND | | ND | |
| **Q1924** | **1180** | **MW-44-67** | **1/8/07 1115** | **1/24/07 1051** | **ND** | | **ND** | | **ND** | |
| Q3289 | 1180 | MW-44-67 | 1/24/07 1051 | 2/13/07 1515 | ND | | ND | | ND | |
| Q4694 | 1180 | MW-44-67 | 2/13/07 1520 | 3/5/07 1315 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q5991 | 1180 | MW-44-67 | 3/5/07 1315 | 3/28/07 1000 | ND | | ND | | ND | |
| Q6743 | 1180 | MW-44-67 | 3/28/07 1000 | 4/11/07 1128 | ND | | ND | | ND | |
| Q7330 | 1180 | MW-44-67 | 4/11/07 1128 | 4/25/07 1326 | ND | | ND | | ND | |
| Q8025 | 1180 | MW-44-67 | 4/25/07 1326 | 5/7/07 0843 | ND | | ND | | ND | |
| **Q1925** | **1185** | **MW-44-104** | **1/10/07 1058** | **1/24/07 1057** | **ND** | | **ND** | | **ND** | |
| Q3290 | 1185 | MW-44-104 | 1/24/07 1057 | 2/13/07 1520 | ND | | ND | | ND | |
| Q4693 | 1185 | MW-44-104 | 2/13/07 1515 | 3/5/07 1319 | ND | | ND | | ND | |
| Q5990 | 1185 | MW-44-104 | 3/5/07 1319 | 3/28/07 1006 | ND | | ND | | ND | |
| Q8026 | 1185 | MW-44-104 | 3/28/07 1006 | 5/7/07 1345 | ND | | ND | | ND | |
| **Q1926** | **1190** | **MW-45-43** | **1/10/07 1117** | **1/24/07 1120** | **ND** | | **ND** | | **ND** | |
| Q3291 | 1190 | MW-45-43 | 1/24/07 1120 | 2/13/07 1340 | ND | | ND | | ND | |
| Q4087 | 1190 | MW-45-43 | 2/15/07 1340 | 3/1/07 1100 | ND | | ND | | ND | |
| Q5399 | 1190 | MW-45-43 | 3/1/07 1100 | 3/15/07 0922 | ND | | ND | | ND | |
| Q5973 | 1190 | MW-45-43 | 3/15/07 0922 | 3/28/07 0837 | ND | | ND | | ND | |
| Q6744 | 1190 | MW-45-43 | 3/28/07 0837 | 4/11/07 0944 | ND | | ND | | ND | |
| Q7331 | 1190 | MW-45-43 | 4/11/07 0944 | 4/25/07 0850 | ND | | ND | | ND | |
| Q8027 | 1190 | MW-45-43 | 4/25/07 0850 | 5/8/07 1150 | ND | | ND | | ND | |
| **Q1927** | **1195** | **MW-45-67** | **1/10/07 1158** | **1/24/07 1110** | **ND** | | **ND** | | **ND** | |
| Q3292 | 1195 | MW-45-67 | 1/24/07 1110 | 2/15/07 1345 | ND | | ND | | ND | |
| Q4695 | 1195 | MW-45-67 | 2/15/07 1345 | 3/8/07 1150 | ND | | ND | | ND | |
| Q5401 | 1195 | MW-45-67 | 3/8/07 1150 | 3/15/07 0925 | ND | | ND | | ND | |
| Q5974 | 1195 | MW-45-67 | 3/15/07 0925 | 3/28/07 0843 | ND | | ND | | ND | |
| Q6745 | 1195 | MW-45-67 | 3/28/07 0843 | 4/11/07 0939 | ND | | ND | | ND | |
| Q7332 | 1195 | MW-45-67 | 4/11/07 0939 | 4/25/07 0855 | ND | | ND | | ND | |
| Q8028 | 1195 | MW-45-67 | 4/25/07 0855 | 5/8/07 0830 | ND | | ND | | ND | |
| **Q1928** | **1200** | **MW-46** | **1/4/07 1136** | **1/24/07 0950** | **ND** | | **ND** | | **ND** | |
| Q3293 | 1200 | MW-46 | 1/24/07 0950 | 2/13/07 1400 | ND | | ND | | ND | |
| Q4088 | 1200 | MW-46 | 2/13/07 1400 | 3/1/07 1027 | ND | | ND | | ND | |
| Q5402 | 1200 | MW-46 | 3/1/07 1027 | 3/14/07 1143 | ND | | ND | | ND | |
| Q5975 | 1200 | MW-46 | 3/14/07 1143 | 3/27/07 1434 | ND | | ND | | ND | |
| Q8029 | 1200 | MW-46 | 3/26/07 1434 | 5/8/07 1534 | ND | | ND | | ND | |
| **Q2092** | **1210** | **U3-C1** | **1/25/07 1450** | **2/2/07 0918** | **515.0 *** | **0.680** | **ND** | | **ND** | |
| Q2092D | 1210 | U3-C1 | 1/25/07 1450 | 2/2/07 0918 | 515.8 * | 0.488 | ND | | ND | |

Results

Charcoal Samplers

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q2490 | 1210 | U3-C1 | 2/2/07 0918 | 2/8/07 1412 | 517.0 * | 0.528 | ND | | ND | |
| Q2421 | 1210 | U3-C1 | 2/8/07 1412 | 2/9/07 1127 | ND | | ND | | ND | |
| Q2421D | 1210 | U3-C1 | 2/8/07 1412 | 2/9/07 1127 | ND | | ND | | ND | |
| Q2573 | 1210 | U3-C1 | 2/9/07 1127 | 2/10/07 1038 | ND | | ND | | ND | |
| Q2536 | 1210 | U3-C1 | 2/10/07 1038 | 2/11/07 0954 | ND | | ND | | ND | |
| Q2657 | 1210 | U3-C1 | 2/11/07 0954 | 2/12/07 1305 | ND | | ND | | ND | |
| Q2872 | 1210 | U3-C1 | 2/12/07 1138 | 2/13/07 1028 | ND | | ND | | ND | |
| Q2930 | 1210 | U3-C1 | 2/13/07 1028 | 2/14/07 1032 | ND | | ND | | ND | |
| Q2930D | 1210 | U3-C1 | 2/13/07 1028 | 2/14/07 1032 | ND | | ND | | ND | |
| Q3251 | 1210 | U3-C1 | 2/14/07 1032 | 2/16/07 0901 | 515.8 * | 0.440 | ND | | ND | |
| Q3251D | 1210 | U3-C1 | 2/14/07 1032 | 2/16/07 0901 | 515.8 * | 0.270 | ND | | ND | |
| Q3317 | 1210 | U3-C1 | 2/16/07 0901 | 2/19/07 1030 | 516.0 * | 0.439 | ND | | ND | |
| Q3514 | 1210 | U3-C1 | 2/19/07 1030 | 2/21/07 1120 | ND | | ND | | ND | |
| Q3514D | 1210 | U3-C1 | 2/19/07 1030 | 2/21/07 1120 | ND | | ND | | ND | |
| Q3861 | 1210 | U3-C1 | 2/21/07 1120 | 2/23/07 1130 | ND | | ND | | ND | |
| Q3603 | 1210 | U3-C1 | 2/23/07 1130 | 2/26/07 1312 | ND | | ND | | ND | |
| Q3603D | 1210 | U3-C1 | 2/23/07 1130 | 2/26/07 1312 | ND | | ND | | ND | |
| Q3951 | 1210 | U3-C1 | 2/26/07 1312 | 2/28/07 1407 | ND | | ND | | ND | |
| Q4139 | 1210 | U3-C1 | 2/28/07 1407 | 3/2/07 1254 | 515.8 * | 0.439 | ND | | ND | |
| Q4139D | 1210 | U3-C1 | 2/28/07 1407 | 3/2/07 1254 | 514.4 * | 0.564 | ND | | ND | |
| Q4194 | 1210 | U3-C1 | 3/2/07 1254 | 3/5/07 1246 | 515.0 * | 0.830 | ND | | ND | |
| Q4565 | 1210 | U3-C1 | 3/5/07 1246 | 3/7/07 1503 | 514.9 * | 0.573 | ND | | ND | |
| Q4746 | 1210 | U3-C1 | 3/7/07 1503 | 3/9/07 1053 | ND | | ND | | ND | |
| Q4746D | 1210 | U3-C1 | 3/7/07 1503 | 3/9/07 1053 | ND | | ND | | ND | |
| Q4796 | 1210 | U3-C1 | 3/9/07 1053 | 3/12/07 1103 | ND | | ND | | ND | |
| Q5075 | 1210 | U3-C1 | 3/12/07 1103 | 3/14/07 1315 | 515.4 * | 0.475 | ND | | ND | |
| Q5075D | 1210 | U3-C1 | 3/12/07 1103 | 3/14/07 1315 | 515.2 * | 0.496 | ND | | ND | |
| Q5477 | 1210 | U3-C1 | 3/14/07 1315 | 3/16/07 1047 | 516.6 * | 0.536 | ND | | ND | |
| Q5361 | 1210 | U3-C1 | 3/16/07 1047 | 3/19/07 1203 | 515.2 * | 0.569 | ND | | ND | |
| Q5361D | 1210 | U3-C1 | 3/16/07 1047 | 3/19/07 1203 | 516.2 * | 0.618 | ND | | ND | |
| Q5686 | 1210 | U3-C1 | 3/19/07 1203 | 3/23/07 1113 | 515.0 * | 0.508 | ND | | ND | |
| Q5786 | 1210 | U3-C1 | 3/23/07 1113 | 3/26/07 1257 | 516.6 * | 0.583 | ND | | ND | |
| Q5786D | 1210 | U3-C1 | 3/23/07 1113 | 3/26/07 1257 | 514.4 * | 0.477 | ND | | ND | |

Results

Charcoal Samplers

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results Peak nm | Fluorescein Results Conc. ppb | Eosine Results Peak nm | Eosine Results Conc. ppb | RWT Results Peak nm | RWT Results Conc. ppb |
|---|---|---|---|---|---|---|---|---|---|---|
| Q6174 | 1210 | U3-C1 | 3/26/07 1257 | 3/29/07 1219 | 514.0 * | 0.679 | ND | | ND | |
| Q6324 | 1210 | U3-C1 | 3/29/07 1219 | 4/2/07 1025 | ND | | ND | | ND | |
| Q6324D | 1210 | U3-C1 | 3/29/07 1219 | 4/2/07 1025 | ND | | ND | | ND | |
| Q6555 | 1210 | U3-C1 | 4/2/07 1025 | 4/6/07 1113 | ND | | ND | | ND | |
| Q6717 | 1210 | U3-C1 | 4/6/07 1113 | 4/10/07 1043 | ND | | ND | | ND | |
| Q6717D | 1210 | U3-C1 | 4/6/07 1113 | 4/10/07 1043 | ND | | ND | | ND | |
| Q7007 | 1210 | U3-C1 | 4/10/07 1043 | 4/17/07 1031 | ND | | ND | | ND | |
| Q7007D | 1210 | U3-C1 | 4/10/07 1043 | 4/17/07 1031 | ND | | ND | | ND | |
| Q7319 | 1210 | U3-C1 | 4/17/07 1031 | 4/24/07 0927 | ND | | ND | | ND | |
| Q7319D | 1210 | U3-C1 | 4/17/07 1031 | 4/24/07 0927 | ND | | ND | | ND | |
| Q7607 | 1210 | U3-C1 | 4/24/07 0927 | 5/1/07 0845 | 513.4 * | 0.759 | ND | | ND | |
| Q8079 | 1210 | U3-C1 | 5/3/07 0953 | 5/8/07 1522 | 514.4 * | 0.641 | ND | | ND | |
| **Q2068** | **1220** | **HR-1** | **1/25/07 1038** | **2/1/07 1119** | **513.6 *** | **0.447** | **ND** | | **ND** | |
| Q2456 | 1220 | HR-1 | 2/1/07 1119 | 2/8/07 1535 | ND | | ND | | ND | |
| Q2456D | 1220 | HR-1 | 2/1/07 1119 | 2/8/07 1535 | ND | | ND | | ND | |
| Q2397 | 1220 | HR-1 | 2/8/07 1535 | 2/9/07 1340 | ND | | ND | | ND | |
| Q2397D | 1220 | HR-1 | 2/8/07 1535 | 2/9/07 1340 | ND | | ND | | ND | |
| Q2512 | 1220 | HR-1 | 2/9/07 1340 | 2/10/07 1010 | ND | | ND | | ND | |
| Q2608 | 1220 | HR-1 | 2/10/07 1010 | 2/11/07 0915 | ND | | ND | | ND | |
| Q2634 | 1220 | HR-1 | 2/11/07 0915 | 2/12/07 1010 | ND | | ND | | ND | |
| Q2848 | 1220 | HR-1 | 2/12/07 1010 | 2/13/07 0950 | ND | | ND | | ND | |
| Q2848D | 1220 | HR-1 | 2/12/07 1010 | 2/13/07 0950 | ND | | ND | | ND | |
| Q2907 | 1220 | HR-1 | 2/13/07 0950 | 2/14/07 1020 | ND | | ND | | ND | |
| Q3491 | 1220 | HR-1 | 2/14/07 1020 | 2/21/07 1015 | ND | | ND | | ND | |
| Q3491D | 1220 | HR-1 | 2/14/07 1020 | 2/21/07 1015 | 515.0 * | 0.442 | ND | | ND | |
| Q3837 | 1220 | HR-1 | 2/21/07 1015 | 2/23/07 0930 | ND | | ND | | ND | |
| Q3837D | 1220 | HR-1 | 2/21/07 1015 | 2/23/07 0930 | ND | | ND | | ND | |
| Q3579 | 1220 | HR-1 | 2/23/07 0930 | 2/26/07 0910 | ND | | ND | | ND | |
| Q3925 | 1220 | HR-1 | 2/26/07 0910 | 2/28/07 1055 | ND | | ND | | ND | |
| Q4127 | 1220 | HR-1 | 2/28/07 1055 | 3/2/07 1040 | ND | | ND | | ND | |
| Q4231 | 1220 | HR-1 | 3/2/07 1040 | 3/5/07 1020 | ND | | ND | | ND | |
| Q4604 | 1220 | HR-1 | 3/5/07 1020 | 3/7/07 1138 | ND | | ND | | ND | |
| Q4834 | 1220 | HR-1 | 3/7/07 1138 | 3/12/07 1018 | 514.8 * | 0.832 | ND | | ND | |

Results

Charcoal Samplers

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q5036 | 1220 | HR-1 | 3/12/07 1018 | 3/14/07 0942 | ND | | ND | | ND | |
| Q5438 | 1220 | HR-1 | 3/14/07 0942 | 3/16/07 0836 | ND | | ND | | ND | |
| Q5393 | 1220 | HR-1 | 3/16/07 0836 | 3/20/07 0845 | ND | | ND | | ND | |
| Q5718 | 1220 | HR-1 | 3/20/07 0845 | 3/23/07 0839 | ND | | ND | | ND | |
| Q5818 | 1220 | HR-1 | 3/23/07 0839 | 3/26/07 1000 | ND | | ND | | ND | |
| Q6134 | 1220 | HR-1 | 3/26/07 1000 | 3/29/07 1428 | ND | | ND | | ND | |
| Q6284 | 1220 | HR-1 | 3/29/07 1128 | 4/2/07 1010 | ND | | ND | | ND | |
| Q6588 | 1220 | HR-1 | 4/2/07 1010 | 4/6/07 0911 | ND | | ND | | ND | |
| Q6588D | 1220 | HR-1 | 4/2/07 1010 | 4/6/07 0911 | ND | | ND | | ND | |
| Q6677 | 1220 | HR-1 | 4/6/07 0911 | 4/9/07 0936 | ND | | ND | | ND | |
| Q6971 | 1220 | HR-1 | 4/9/07 0936 | 4/17/07 0829 | ND | | ND | | ND | |
| Q7233 | 1220 | HR-1 | 4/17/07 0829 | 4/23/07 1030 | ND | | ND | | ND | |
| Q7486 | 1220 | HR-1 | 4/23/07 1030 | 4/30/07 0904 | ND | | ND | | ND | |
| Q8062 | 1220 | HR-1 | 5/3/07 0839 | 5/9/07 1032 | ND | | ND | | ND | |
| **Q2069** | **1230** | **Hudson River Unit 3 Intake** | **1/25/07 1415** | **2/1/07 1015** | **514.6 *** | **0.868** | **ND** | | **ND** | |
| Q2069D | 1230 | Hudson River Unit 3 Intake | 1/25/07 1415 | 2/1/07 1015 | 512.6 * | 0.918 | ND | | ND | |
| Q2513 | 1230 | Hudson River Unit 3 Intake | 2/1/07 1015 | 2/10/07 1002 | ND | | ND | | ND | |
| Q2513D | 1230 | Hudson River Unit 3 Intake | 2/1/07 1015 | 2/10/07 1002 | ND | | ND | | ND | |
| Q2609 | 1230 | Hudson River Unit 3 Intake | 2/10/07 1002 | 2/11/07 0920 | ND | | ND | | ND | |
| Q2849 | 1230 | Hudson River Unit 3 Intake | 2/11/07 0920 | 2/13/07 1002 | ND | | ND | | ND | |
| Q7394 | 1230 | Hudson River Unit 3 Intake | 4/19/07 1344 | 4/26/07 1022 | ND | | ND | | ND | |
| Q8065 | 1230 | Hudson River Unit 3 Intake | 4/26/07 1022 | 5/8/07 1048 | ND | | ND | | ND | |
| **Q2093** | **1260** | **Unit 3 Discharge Canal** | **2/2/07 0940** | **2/5/07 0844** | **513.0 *** | **0.305** | **ND** | | **ND** | |
| Q2491 | 1260 | Unit 3 Discharge Canal | 2/5/07 0844 | 2/8/07 1353 | ND | | ND | | ND | |
| Q2422 | 1260 | Unit 3 Discharge Canal | 2/8/07 1353 | 2/9/07 1116 | ND | | ND | | ND | |
| Q2574 | 1260 | Unit 3 Discharge Canal | 2/9/07 1116 | 2/10/07 1029 | ND | | ND | | ND | |
| Q2574D | 1260 | Unit 3 Discharge Canal | 2/9/07 1116 | 2/10/07 1029 | ND | | ND | | ND | |
| Q2537 | 1260 | Unit 3 Discharge Canal | 2/10/07 1029 | 2/11/07 0944 | ND | | ND | | ND | |
| Q2537D | 1260 | Unit 3 Discharge Canal | 2/10/07 1029 | 2/11/07 0944 | ND | | ND | | ND | |
| Q2658 | 1260 | Unit 3 Discharge Canal | 2/11/07 0944 | 2/12/07 1255 | ND | | ND | | ND | |
| Q2658D | 1260 | Unit 3 Discharge Canal | 2/11/07 0944 | 2/12/07 1255 | ND | | ND | | ND | |
| Q2873 | 1260 | Unit 3 Discharge Canal | 2/12/07 1305 | 2/13/07 0902 | ND | | ND | | ND | |
| Q2873D | 1260 | Unit 3 Discharge Canal | 2/12/07 1305 | 2/13/07 0902 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q2931 | 1260 | Unit 3 Discharge Canal | 2/13/07 0902 | 2/14/07 1025 | ND | | ND | | ND | |
| Q3252 | 1260 | Unit 3 Discharge Canal | 2/14/07 1025 | 2/16/07 0849 | 514.8 * | 0.286 | ND | | ND | |
| Q3318 | 1260 | Unit 3 Discharge Canal | 2/16/07 0849 | 2/19/07 1015 | 515.2 * | 0.556 | ND | | 570.0 * | 4.64 |
| Q3318D | 1260 | Unit 3 Discharge Canal | 2/16/07 0849 | 2/19/07 1015 | 516.6 * | 0.393 | ND | | 570.6 * | 3.28 |
| Q3515 | 1260 | Unit 3 Discharge Canal | 2/19/07 1015 | 2/21/07 1108 | ND | | ND | | ND | |
| Q3862 | 1260 | Unit 3 Discharge Canal | 2/21/07 1108 | 2/23/07 1115 | ND | | ND | | ND | |
| Q3862D | 1260 | Unit 3 Discharge Canal | 2/21/07 1108 | 2/23/07 1115 | ND | | ND | | ND | |
| Q3604 | 1260 | Unit 3 Discharge Canal | 2/23/07 1115 | 2/26/07 1300 | ND | | ND | | ND | |
| Q3952 | 1260 | Unit 3 Discharge Canal | 2/26/07 1300 | 2/28/07 1215 | ND | | ND | | ND | |
| Q3952D | 1260 | Unit 3 Discharge Canal | 2/26/07 1300 | 2/28/07 1215 | ND | | ND | | ND | |
| Q4141 | 1260 | Unit 3 Discharge Canal | 2/28/07 1215 | 3/2/07 1143 | 515.2 * | 0.331 | ND | | ND | |
| Q4195 | 1260 | Unit 3 Discharge Canal | 3/2/07 1143 | 3/5/07 1147 | 513.8 * | 0.514 | ND | | ND | |
| Q4566 | 1260 | Unit 3 Discharge Canal | 3/5/07 1147 | 3/7/07 1455 | 513.6 * | 0.501 | ND | | ND | |
| Q4747 | 1260 | Unit 3 Discharge Canal | 3/7/07 1455 | 3/9/07 1033 | ND | | ND | | ND | |
| Q4797 | 1260 | Unit 3 Discharge Canal | 3/9/07 1033 | 3/12/07 1057 | ND | | ND | | ND | |
| Q4797D | 1260 | Unit 3 Discharge Canal | 3/9/07 1033 | 3/12/07 1057 | ND | | ND | | ND | |
| Q5076 | 1260 | Unit 3 Discharge Canal | 3/12/07 1057 | 3/14/07 1305 | ND | | ND | | ND | |
| Q5478 | 1260 | Unit 3 Discharge Canal | 3/14/07 1305 | 3/16/07 1033 | 515.6 * | 0.525 | ND | | ND | |
| Q5478D | 1260 | Unit 3 Discharge Canal | 3/14/07 1305 | 3/16/07 1033 | 516.8 * | 0.554 | ND | | ND | |
| Q5362 | 1260 | Unit 3 Discharge Canal | 3/16/07 1033 | 3/19/07 1151 | ND | | ND | | ND | |
| Q5687 | 1260 | Unit 3 Discharge Canal | 3/19/07 1151 | 3/23/07 1104 | ND | | ND | | ND | |
| Q5787 | 1260 | Unit 3 Discharge Canal | 3/23/07 1104 | 3/26/07 1153 | ND | | ND | | ND | |
| Q6175 | 1260 | Unit 3 Discharge Canal | 3/26/07 1153 | 3/29/07 1210 | ND | | ND | | ND | |
| Q6175D | 1260 | Unit 3 Discharge Canal | 3/26/07 1153 | 3/29/07 1210 | ND | | ND | | ND | |
| Q6325 | 1260 | Unit 3 Discharge Canal | 3/29/07 1210 | 4/2/07 1117 | ND | | ND | | ND | |
| Q6556 | 1260 | Unit 3 Discharge Canal | 4/2/07 1117 | 4/6/07 1034 | ND | | ND | | ND | |
| Q6556D | 1260 | Unit 3 Discharge Canal | 4/2/07 1117 | 4/6/07 1034 | ND | | ND | | ND | |
| Q6718 | 1260 | Unit 3 Discharge Canal | 4/6/07 1034 | 4/10/07 1049 | ND | | ND | | ND | |
| Q7008 | 1260 | Unit 3 Discharge Canal | 4/10/07 1049 | 4/17/07 1028 | ND | | ND | | ND | |
| Q7321 | 1260 | Unit 3 Discharge Canal | 4/17/07 1028 | 4/24/07 1247 | 515.1 * | 0.836 | ND | | ND | |
| Q7321D | 1260 | Unit 3 Discharge Canal | 4/17/07 1028 | 4/24/07 1247 | 515.2 * | 0.911 | ND | | ND | |
| Q7608 | 1260 | Unit 3 Discharge Canal | 4/24/07 1247 | 5/1/07 0852 | ND | | ND | | ND | |
| Q7608D | 1260 | Unit 3 Discharge Canal | 4/24/07 1247 | 5/1/07 0852 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q8081 | 1260 | Unit 3 Discharge Canal | 5/3/07 0957 | 5/8/07 1541 | ND | | ND | | ND | |
| Q8081D | 1260 | Unit 3 Discharge Canal | 5/3/07 0957 | 5/8/07 1541 | ND | | ND | | ND | |
| **Q4237** | **1270** | **East Borehole** | **3/2/07 0805** | **3/5/07 1335** | **515.5** | **40.6** | **ND** | | **ND** | |
| Q4610 | 1270 | East Borehole | 3/5/07 1335 | 3/7/07 1430 | 515.4 | 46.5 | ND | | ND | |
| Q4725 | 1270 | East Borehole | 3/7/07 1430 | 3/9/07 1255 | 515.3 | 7.92 | ND | | ND | |
| Q4841 | 1270 | East Borehole | 3/9/07 1255 | 3/12/07 1250 | ND | | ND | | ND | |
| Q5039 | 1270 | East Borehole | 3/12/07 1250 | 3/14/07 1303 | 515.5 | 4.05 | ND | | ND | |
| Q5442 | 1270 | East Borehole | 3/14/07 1303 | 3/16/07 1149 | ND | | ND | | ND | |
| Q5396 | 1270 | East Borehole | 3/16/07 1149 | 3/19/07 1310 | 515.5 | 7.22 | ND | | ND | |
| Q5396D | 1270 | East Borehole | 3/16/07 1149 | 3/19/07 1310 | 515.4 | 10.3 | ND | | ND | |
| Q5722 | 1270 | East Borehole | 3/19/07 1310 | 3/23/07 1024 | 515.4 | 2.67 | ND | | ND | |
| Q5822 | 1270 | East Borehole | 3/23/07 1024 | 3/26/07 1019 | 515.2 | 2.08 | ND | | ND | |
| Q6137 | 1270 | East Borehole | 3/26/07 1019 | 3/29/07 1155 | 515.5 | 4.19 | ND | | ND | |
| Q6287 | 1270 | East Borehole | 3/29/07 1155 | 4/2/07 0946 | 516.2 ** | 0.633 | ND | | ND | |
| Q6591 | 1270 | East Borehole | 4/2/07 0946 | 4/6/07 1258 | ND | | ND | | ND | |
| Q6681 | 1270 | East Borehole | 4/6/07 1258 | 4/9/07 0958 | 515.8 * | 0.687 | ND | | ND | |
| Q6973 | 1270 | East Borehole | 4/9/07 0958 | 4/16/07 1052 | 516.0 | 1.37 | ND | | ND | |
| Q7236 | 1270 | East Borehole | 4/16/07 1052 | 4/23/07 0954 | 516.0 | 1.87 | ND | | ND | |
| Q7489 | 1270 | East Borehole | 4/23/07 0954 | 4/30/07 0849 | 516.4 | 2.76 | ND | | ND | |
| Q8063 | 1270 | East Borehole | 5/3/07 0826 | 5/9/07 1533 | ND | | ND | | ND | |
| Q8063D | 1270 | East Borehole | 5/3/07 0826 | 5/9/07 1533 | ND | | ND | | ND | |
| **Q4761** | **1300** | **MW-108** | **3/7/07 1320** | **3/9/07 1045** | **515.4 *** | **1.14** | **ND** | | **ND** | |
| Q4811 | 1300 | MW-108 | 3/9/07 1045 | 3/12/07 1111 | ND | | ND | | ND | |
| Q5077 | 1300 | MW-108 | 3/12/07 1111 | 3/14/07 1321 | ND | | ND | | ND | |
| Q5479 | 1300 | MW-108 | 3/14/07 1321 | 3/16/07 1054 | ND | | ND | | ND | |
| Q5363 | 1300 | MW-108 | 3/16/07 1054 | 3/19/07 1210 | ND | | ND | | ND | |
| Q5688 | 1300 | MW-108 | 3/19/07 1210 | 3/23/07 1120 | ND | | ND | | ND | |
| Q5788 | 1300 | MW-108 | 3/23/07 1120 | 3/26/07 1304 | ND | | ND | | ND | |
| Q6176 | 1300 | MW-108 | 3/26/07 1304 | 3/29/07 1226 | ND | | ND | | ND | |
| Q6326 | 1300 | MW-108 | 3/29/07 1226 | 4/2/07 1133 | ND | | ND | | ND | |
| Q6557 | 1300 | MW-108 | 4/2/07 1133 | 4/6/07 1118 | ND | | ND | | ND | |
| Q6719 | 1300 | MW-108 | 4/6/07 1118 | 4/10/07 1037 | ND | | ND | | ND | |
| Q7009 | 1300 | MW-108 | 4/10/07 1037 | 4/17/07 1255 | ND | | ND | | ND | |

Results

Charcoal Samplers

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q7322 | 1300 | MW-108 | 4/17/07 1255 | 4/24/07 0916 | ND | | ND | | ND | |
| Q7609 | 1300 | MW-108 | 4/24/07 0916 | 5/1/07 0838 | ND | | ND | | ND | |
| Q8197 | 1300 | MW-108 | 5/3/07 0830 | 5/10/07 0822 | ND | | ND | | ND | |
| **Q5723** | **1310** | **Containment Spray Sump-U1** | **3/19/07 1335** | **3/23/07 1352** | **ND** | | **ND** | | **ND** | |
| Q5823 | 1310 | Containment Spray Sump-U1 | 3/23/07 1352 | 3/26/07 1240 | ND | | ND | | ND | |
| Q6138 | 1310 | Containment Spray Sump-U1 | 3/26/07 1240 | 3/29/07 1240 | ND | | ND | | ND | |
| Q6138D | 1310 | Containment Spray Sump-U1 | 3/26/07 1240 | 3/29/07 1240 | 515.8 | 3.72 | ND | | ND | |
| Q6288 | 1310 | Containment Spray Sump-U1 | 3/29/07 1240 | 4/2/07 1253 | 515.2 | 6.26 | ND | | ND | |
| Q6592 | 1310 | Containment Spray Sump-U1 | 4/2/07 1253 | 4/6/07 1247 | 515.6 | 5.13 | ND | | ND | |
| Q6682 | 1310 | Containment Spray Sump-U1 | 4/6/07 1247 | 4/9/07 1250 | ND | | ND | | ND | |
| Q6974 | 1310 | Containment Spray Sump-U1 | 4/9/07 1250 | 4/16/07 1248 | 515.2 | 11.9 | ND | | ND | |
| Q6974D | 1310 | Containment Spray Sump-U1 | 4/9/07 1250 | 4/16/07 1248 | ND | | ND | | ND | |
| Q7237 | 1310 | Containment Spray Sump-U1 | 4/16/07 1248 | 4/23/07 1247 | ND | | ND | | ND | |
| Q7490 | 1310 | Containment Spray Sump-U1 | 4/23/07 1247 | 4/30/07 1252 | 515.0 | 3.21 | ND | | ND | |
| Q7490D | 1310 | Containment Spray Sump-U1 | 4/23/07 1247 | 4/30/07 1252 | 515.6 | 2.03 | ND | | ND | |
| Q8207 | 1310 | Containment Spray Sump-U1 | 5/3/07 1307 | 5/11/07 0958 | ND | | ND | | ND | |
| **Q5989** | **1320** | **U1 Utility Tunnel Sump** | **3/15/07 1325** | **3/27/07 1322** | **ND** | | **ND** | | **ND** | |
| Q6759 | 1320 | U1 Utility Tunnel Sump | 3/27/07 1325 | 4/10/07 1303 | ND | | ND | | ND | |
| Q6759D | 1320 | U1 Utility Tunnel Sump | 3/27/07 1325 | 4/10/07 1303 | ND | | ND | | ND | |
| Q7392 | 1320 | U1 Utility Tunnel Sump | 4/10/07 1303 | 4/26/07 1050 | ND | | ND | | ND | |
| Q8202 | 1320 | U1 Utility Tunnel Sump | 4/26/07 1050 | 5/11/07 0948 | ND | | ND | | ND | |
| Q8202D | 1320 | U1 Utility Tunnel Sump | 4/26/07 1050 | 5/11/07 0948 | ND | | ND | | ND | |
| **Q5976** | **1330** | **MW-48-23** | **3/14/07 1459** | **3/26/07 1407** | **ND** | | **ND** | | **ND** | |
| Q6746 | 1330 | MW-48-23 | 3/26/07 1407 | 4/10/07 1449 | ND | | ND | | ND | |
| Q7333 | 1330 | MW-48-23 | 4/10/07 1449 | 4/25/07 1431 | ND | | ND | | ND | |
| Q8199 | 1330 | MW-48-23 | 4/25/07 1431 | 5/10/07 1134 | ND | | ND | | ND | |
| **Q5977** | **1340** | **MW-48-38** | **3/14/07 1448** | **3/26/07 1410** | **ND** | | **ND** | | **ND** | |
| Q6747 | 1340 | MW-48-38 | 3/26/07 1410 | 4/10/07 1454 | ND | | ND | | ND | |
| Q7334 | 1340 | MW-48-38 | 4/10/07 1454 | 4/25/07 1435 | ND | | ND | | ND | |
| Q8201 | 1340 | MW-48-38 | 4/25/07 1435 | 5/10/07 1130 | ND | | ND | | ND | |
| **Q5970** | **1350** | **MW-40A (38')** | **3/15/07 1017** | **3/26/07 1349** | **ND** | | **ND** | | **ND** | |
| Q6736 | 1350 | MW-40A (38') | 3/26/07 1349 | 4/11/07 0803 | ND | | ND | | ND | |
| Q7324 | 1350 | MW-40A (38') | 4/11/07 0803 | 4/24/07 1505 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| **Q5971** | **1360** | **MW-40B (73')** | **3/15/07 1017** | **3/26/07 1349** | **ND** | | **ND** | | **ND** | |
| Q6737 | 1360 | MW-40B (73') | 3/26/07 1349 | 4/11/07 0803 | ND | | ND | | ND | |
| Q7325 | 1360 | MW-40B (73') | 4/11/07 0803 | 4/24/07 1505 | ND | | ND | | ND | |
| **Q5972** | **1370** | **MW-40C (173')** | **3/15/07 1017** | **3/26/07 1349** | **ND** | | **ND** | | **ND** | |
| Q6738 | 1370 | MW-40C (173') | 3/26/07 1349 | 4/11/07 0803 | ND | | ND | | ND | |
| Q7326 | 1370 | MW-40C (173') | 4/11/07 0803 | 4/24/07 1505 | ND | | ND | | ND | |
| **Q6748** | **1380** | **MW-51A (53')** | **4/6/07 1438** | **4/11/07 0812** | **ND** | | **ND** | | **ND** | |
| Q7335 | 1380 | MW51A (53') | 4/11/07 0812 | 4/25/07 0950 | ND | | ND | | ND | |
| **Q5978** | **1390** | **MW-50B (89')** | **3/15/07 1036** | **3/27/07 0910** | **ND** | | **ND** | | **ND** | |
| Q6749 | 1390 | MW-51B (89') | 4/6/07 1438 | 4/11/07 0812 | ND | | ND | | ND | |
| Q7336 | 1390 | MW51B (89') | 4/11/07 0812 | 4/25/07 0950 | ND | | ND | | ND | |
| **Q5979** | **1400** | **MW-50C (191')** | **3/15/07 1034** | **3/27/07 0910** | **ND** | | **ND** | | **ND** | |
| Q6750 | 1400 | MW-51C (191') | 4/6/07 1438 | 4/11/07 0812 | ND | | ND | | ND | |
| Q7337 | 1400 | MW51C (191') | 4/11/07 0812 | 4/25/07 0950 | ND | | ND | | ND | |

Table 2. **Results for water samples analyzed for the presence of fluorescein, eosine and rhodamine WT (RWT) dyes.**
Peak wavelengths are reported in nanometers (nm); dye concentrations are reported in parts per billion (ppb).
Results through 8/3/07

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| **Q1292** | **30** | **Hudson River downstream** | **12/4/06 0846** | **ND** | | **ND** | | **ND** | |
| **Q6005** | **80** | **MH4** | **2/28/07 1007** | **508.1** | **13.8** | **ND** | | **ND** | |
| Q4625 | 80 | MH4 | 3/2/07 0940 | 508.3 | 0.482 | ND | | ND | |
| Q4626 | 80 | MH4 | 3/5/07 0906 | 508.3 | 41.4 | ND | | ND | |
| Q4878 | 80 | MH4 | 3/7/07 1051 | 508.3 | 26.2 | ND | | ND | |
| Q4886 | 80 | MH4 | 3/9/07 0754 | 508.5 | 26.8 | ND | | ND | |
| Q4934 | 80 | MH4 | 3/12/07 0845 | 508.2 | 18.4 | ND | | ND | |
| Q5230 | 80 | MH4 | 3/14/07 0830 | 508.7 | 14.0 | ND | | ND | |
| Q6006 | 80 | MH4 | 3/16/07 0820 | 508.0 | 10.3 | ND | | ND | |
| Q6007 | 80 | MH4 | 3/19/07 1102 | 508.0 | 15.1 | ND | | ND | |
| Q6008 | 80 | MH4 | 3/23/07 0819 | 508.0 | 12.9 | ND | | ND | |
| Q6009 | 80 | MH4 | 3/26/07 0844 | 508.2 | 14.7 | ND | | ND | |
| Q6009R | 80 | MH4 | 3/26/07 0844 | 508.1 | 14.5 | ND | | ND | |
| Q6413 | 80 | MH4 | 3/29/07 1141 | 508.4 | 12.5 | ND | | ND | |
| Q6593 | 80 | MH4 | 4/2/07 0855 | 508.4 | 13.3 | ND | | ND | |
| Q6819 | 80 | MH4 | 4/6/07 0842 | 508.3 | 19.2 | ND | | ND | |
| Q6819R | 80 | MH4 | 4/6/07 0842 | 508.3 | 19.3 | ND | | ND | |
| Q7110 | 80 | MH4 | 4/16/07 0913 | 508.2 | 1.81 | ND | | ND | |
| Q7425 | 80 | MH4 | 4/23/07 0839 | 508.5 | 7.37 | ND | | ND | |
| Q7792 | 80 | MH4 | 4/30/07 0759 | 508.9 | 13.8 | ND | | ND | |
| **Q5509** | **100** | **MH5** | **2/9/07 1100** | **ND** | | **ND** | | **ND** | |
| Q5510 | 100 | MH5 | 2/10/07 0853 | ND | | ND | | ND | |
| Q5511 | 100 | MH5 | 2/11/07 0825 | 507.8 ** | 0.058 | ND | | ND | |
| Q2946 | 100 | MH5 | 2/12/07 0855 | 508.7 | 1.18 | ND | | ND | |
| Q2971 | 100 | MH5 | 2/13/07 0845 | 508.7 | 7.00 | ND | | ND | |
| Q2972 | 100 | MH5 | 2/14/07 0830 | 508.7 | 12.1 | ND | | ND | |
| Q3357 | 100 | MH5 | 2/16/07 0855 | 508.5 | 14.9 | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q3361 | 100 | MH5 | 2/19/07 0930 | 508.6 | 16.7 | ND | | ND | |
| Q3363 | 100 | MH5 | 2/21/07 0843 | 508.6 | 15.8 | ND | | ND | |
| Q6010 | 100 | MH5 | 2/23/07 0824 | 508.0 | 7.72 | ND | | ND | |
| Q3979 | 100 | MH5 | 2/26/07 1000 | 508.7 | 22.4 | ND | | ND | |
| Q4258 | 100 | MH5 | 2/28/07 0957 | 508.6 | 16.1 | ND | | ND | |
| Q4623 | 100 | MH5 | 3/2/07 1000 | 508.1 | 0.750 | ND | | ND | |
| Q4623R | 100 | MH5 | 3/2/07 1000 | 508.7 | 0.634 | ND | | ND | |
| Q4624 | 100 | MH5 | 3/5/07 0913 | 508.3 | 43.1 | ND | | ND | |
| Q4875 | 100 | MH5 | 3/7/07 1046 | 508.3 | 36.0 | ND | | ND | |
| Q4884 | 100 | MH5 | 3/9/07 0820 | 508.5 | 30.1 | ND | | ND | |
| Q4931 | 100 | MH5 | 3/12/07 0906 | 508.2 | 20.8 | ND | | ND | |
| Q5231 | 100 | MH5 | 3/14/07 0853 | 508.8 | 21.4 | ND | | ND | |
| Q6011 | 100 | MH5 | 3/16/07 0826 | 508.0 | 13.3 | ND | | ND | |
| Q6012 | 100 | MH5 | 3/19/07 1057 | 508.0 | 18.8 | ND | | ND | |
| Q6013 | 100 | MH5 | 3/23/07 0826 | 508.0 | 13.5 | ND | | ND | |
| Q6014 | 100 | MH5 | 3/26/07 0854 | 508.2 | 31.0 | ND | | ND | |
| Q6414 | 100 | MH5 | 3/29/07 1124 | 508.3 | 15.3 | ND | | ND | |
| Q6594 | 100 | MH5 | 4/2/07 0851 | 508.3 | 11.7 | ND | | ND | |
| Q6821 | 100 | MH5 | 4/6/07 0837 | 508.4 | 30.8 | ND | | ND | |
| Q7010 | 100 | MH5 | 4/9/07 0904 | 508.5 | 22.8 | ND | | ND | |
| Q7010R | 100 | MH5 | 4/9/07 0904 | 508.5 | 22.8 | ND | | ND | |
| Q7426 | 100 | MH5 | 4/23/07 0844 | 508.5 | 8.84 | ND | | ND | |
| Q7793 | 100 | MH5 | 4/30/07 0803 | 508.7 | 21.2 | ND | | ND | |
| **Q6015** | **120** | **MH6** | **2/14/07 0817** | **ND** | | **ND** | | **ND** | |
| Q5514 | 120 | MH6 | 2/16/07 0755 | ND | | ND | | ND | |
| Q5515 | 120 | MH6 | 2/19/07 0905 | ND | | ND | | ND | |
| Q5516 | 120 | MH6 | 2/21/07 0855 | 507.4 ** | 0.083 | ND | | ND | |
| Q5517 | 120 | MH6 | 2/23/07 0755 | 508.1 | 5.06 | ND | | ND | |
| Q3981 | 120 | MH6 | 2/26/07 0904 | 508.7 | 3.23 | ND | | ND | |
| Q4259 | 120 | MH6 | 2/28/07 0921 | 508.6 | 13.8 | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q4627 | 120 | MH6 | 3/2/07 0835 | 508.3 | 0.168 | ND | | ND | |
| Q4627R | 120 | MH6 | 3/2/07 0835 | 507.6 | 0.115 | ND | | ND | |
| Q4628 | 120 | MH6 | 3/5/07 0905 | 508.3 | 1.29 | ND | | ND | |
| Q4868 | 120 | MH6 | 3/7/07 0918 | 508.3 | 1.70 | ND | | ND | |
| Q4887 | 120 | MH6 | 3/9/07 0820 | 508.5 | 2.89 | ND | | ND | |
| Q4924 | 120 | MH6 | 3/12/07 0820 | 508.2 | 3.99 | ND | | ND | |
| Q5232 | 120 | MH6 | 3/14/07 0850 | 508.7 | 5.41 | ND | | ND | |
| Q6016 | 120 | MH6 | 3/16/07 0754 | 508.2 | 1.20 | ND | | ND | |
| Q6017 | 120 | MH6 | 3/19/07 0830 | 507.8 ** | 1.31 | ND | | ND | |
| Q6018 | 120 | MH6 | 3/23/07 0753 | 507.4 ** | 0.498 | ND | | ND | |
| Q6019 | 120 | MH6 | 3/26/07 0925 | 507.9 ** | 0.593 | ND | | ND | |
| Q6416 | 120 | MH6 | 3/29/07 0830 | 508.4 | 1.44 | ND | | ND | |
| Q6596 | 120 | MH6 | 4/2/07 0812 | 508.7 | 0.282 | ND | | ND | |
| Q6814 | 120 | MH6 | 4/6/07 0833 | 508.4 | 1.61 | ND | | ND | |
| Q7012 | 120 | MH6 | 4/10/07 0900 | 508.3 | 3.49 | ND | | ND | |
| Q7113 | 120 | MH6 | 4/17/07 1123 | 508.4 | 0.749 | ND | | ND | |
| Q7534 | 120 | MH6 | 4/24/07 0801 | 508.3 | 6.92 | ND | | ND | |
| Q7816 | 120 | MH6 | 5/1/07 0757 | 508.3 | 5.59 | ND | | ND | |
| Q8114 | 120 | MH6 | 5/9/07 1506 | 508.1 | 14.4 | ND | | ND | |
| **Q0831** | **200** | **MW-30-74** | **11/21/06 1045** | **ND** | | **ND** | | **ND** | |
| Q1303 | 200 | MW-30-74 | 11/28/06 1340 | ND | | ND | | ND | |
| Q1305 | 200 | MW-30-74 | 12/4/06 1114 | ND | | ND | | ND | |
| Q1954 | 200 | MW-30-74 | 1/17/07 0945 | ND | | ND | | ND | |
| Q2135 | 200 | MW-30-74 | 1/25/07 1004 | ND | | ND | | ND | |
| Q2117 | 200 | MW-30-74 | 2/2/07 1415 | ND | | ND | | ND | |
| Q2234 | 200 | MW-30-74 | 2/8/07 1433 | ND | | ND | | ND | |
| Q2258 | 200 | MW-30-74 | 2/9/07 1545 | ND | | ND | | ND | |
| Q2370 | 200 | MW-30-74 | 2/10/07 0832 | ND | | ND | | ND | |
| Q2373 | 200 | MW-30-74 | 2/11/07 1047 | 508.3 | 2.13 | ND | | ND | |
| Q2373R | 200 | MW-30-74 | 2/11/07 1047 | 508.3 | 2.13 | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q2344 | 200 | MW-30-74 | 2/12/07 0828 | 508.2 | 3.18 | ND | | ND | |
| Q3067 | 200 | MW-30-74 | 2/13/07 0812 | 508.2 | 17.8 | ND | | ND | |
| Q3071 | 200 | MW-30-74 | 2/14/07 0828 | 508.2 | 17.8 | ND | | ND | |
| Q3044 | 200 | MW-30-74 | 2/15/07 0812 | 508.2 | 25.5 | ND | | ND | |
| Q3048 | 200 | MW-30-74 | 2/16/07 0803 | 508.2 | 22.9 | ND | | ND | |
| Q3052 | 200 | MW-30-74 | 2/17/07 0941 | 508.3 | 22.3 | ND | | ND | |
| Q3056 | 200 | MW-30-74 | 2/18/07 0936 | 508.1 | 16.0 | ND | | ND | |
| Q3061 | 200 | MW-30-74 | 2/19/07 1016 | 508.3 | 16.7 | ND | | ND | |
| Q3101 | 200 | MW-30-74 | 2/20/07 0825 | 508.4 | 10.9 | ND | | ND | |
| Q3124 | 200 | MW-30-74 | 2/21/07 0859 | 508.1 | 20.3 | ND | | ND | |
| Q3642 | 200 | MW-30-74 | 2/22/07 0950 | 508.5 | 55.5 | ND | | ND | |
| Q3618 | 200 | MW-30-74 | 2/23/07 0816 | 508.3 | 78.1 | ND | | ND | |
| Q3686 | 200 | MW-30-74 | 2/26/07 0923 | 508.4 | 34.1 | ND | | ND | |
| Q3663 | 200 | MW-30-74 | 2/27/07 1100 | 508.1 | 21.5 | ND | | ND | |
| Q3874 | 200 | MW-30-74 | 2/28/07 1125 | 508.2 | 18.9 | ND | | ND | |
| Q4001 | 200 | MW-30-74 | 3/1/07 1128 | 508.2 | 126 | ND | | ND | |
| Q4029 | 200 | MW-30-74 | 3/2/07 0827 | 508.3 | 407 | ND | | ND | |
| Q4056 | 200 | MW-30-74 | 3/5/07 0941 | 508.2 | 2,220 | ND | | ND | |
| Q4535 | 200 | MW-30-74 | 3/6/07 0931 | 508.3 | 2,450 | ND | | ND | |
| Q4515 | 200 | MW-30-74 | 3/7/07 1140 | 508.5 | 5,100 | ND | | ND | |
| Q4641 | 200 | MW-30-74 | 3/8/07 0850 | 508.5 | 4,700 | ND | | ND | |
| Q4658 | 200 | MW-30-74 | 3/9/07 0900 | 508.7 | 4,980 | ND | | ND | |
| Q4905 | 200 | MW-30-74 | 3/12/07 1047 | 508.1 | 5,510 | ND | | ND | |
| Q4935 | 200 | MW-30-74 | 3/13/07 0947 | 508.7 | 4,760 | ND | | ND | |
| Q4955 | 200 | MW-30-74 | 3/14/07 1115 | 508.9 | 3,950 | ND | | ND | |
| Q5242 | 200 | MW-30-74 | 3/15/07 0858 | 508.7 | 3,480 | ND | | ND | |
| Q5265 | 200 | MW-30-74 | 3/16/07 0937 | 508.5 | 3,250 | ND | | ND | |
| Q5265R | 200 | MW-30-74 | 3/16/07 0937 | 508.5 | 3,220 | ND | | ND | |
| Q5297 | 200 | MW-30-74 | 3/19/07 0848 | 508.3 | 4,680 | ND | | ND | |
| Q5557 | 200 | MW-30-74 | 3/21/07 1318 | 508.7 | 4,400 | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q5623 | 200 | MW-30-74 | 3/23/07 0824 | 508.1 | 3,830 | ND | | ND | |
| Q5724 | 200 | MW-30-74 | 3/26/07 1350 | 508.3 | 2,550 | ND | | ND | |
| Q5941 | 200 | MW-30-74 | 3/28/07 1134 | 508.3 | 2,610 | ND | | ND | |
| Q6076 | 200 | MW-30-74 | 3/29/07 1145 | 508.1 | 3,770 | ND | | ND | |
| Q6226 | 200 | MW-30-74 | 4/2/07 1315 | 508.2 | 4,570 | ND | | ND | |
| Q6356 | 200 | MW-30-74 | 4/4/07 1410 | 508.3 | 4,430 | ND | | ND | |
| Q6452 | 200 | MW-30-74 | 4/6/07 1157 | 509.2 | 4,300 | ND | | ND | |
| Q6629 | 200 | MW-30-74 | 4/9/07 1246 | 508.0 | 5,690 | ND | | ND | |
| Q6771 | 200 | MW-30-74 | 4/11/07 1155 | 508.3 | 5,000 | ND | | ND | |
| Q7025 | 200 | MW-30-74 | 4/18/07 0820 | 508.2 | 3,190 | ND | | ND | |
| Q7172 | 200 | MW-30-74 | 4/23/07 0943 | 508.1 | 642 | ND | | ND | |
| Q7172V | 200 | MW-30-74 | 4/23/07 0943 | 508.3 | 617 | ND | | ND | |
| Q7616 | 200 | MW-30-74 | 5/4/07 1205 | 508.5 | 1,990 | ND | | ND | |
| Q8173 | 200 | MW-30-74 | 5/11/07 0830 | 508.5 | 4,120 | ND | | ND | |
| R0019 | 200 | MW-30-69 | 6/12/07 1020 | 509.2 | 2,300 | ND | | ND | |
| R1671 | 200 | MW-30-69 | 7/12/07 1400 | 508.2 | 798 | ND | | ND | |
| R1671 | 200 | MW-30-69 | 7/12/07 1400 | 508.2 | 798 | ND | | ND | |
| R1678 | 200 | MW-30-69 | 7/18/07 0945 | 508.2 | 687 | ND | | ND | |
| R1678 | 200 | MW-30-69 | 7/18/07 0945 | 508.2 | 687 | ND | | ND | |
| R1681 | 200 | MW-30-69 | 7/25/07 1126 | 513.5 ** | 14.5 | ND | | ND | |
| R1681 | 200 | MW-30-69 | 7/25/07 1126 | 513.5 ** | 14.5 | ND | | ND | |
| R1938 | 200 | MW-30-69 | 8/1/07 1144 | 508.9 | 663 | ND | | ND | |
| **Q0832** | **230** | **MW-30-88** | **11/21/06 1030** | **ND** | | **ND** | | **ND** | |
| Q1304 | 230 | MW-30-88 | 11/29/06 1420 | ND | | ND | | ND | |
| Q1293 | 230 | MW-30-88 | 12/4/06 1105 | ND | | ND | | ND | |
| Q1955 | 230 | MW-30-88 | 1/17/07 0950 | ND | | ND | | ND | |
| Q2136 | 230 | MW-30-88 | 1/25/07 1001 | ND | | ND | | ND | |
| Q2118 | 230 | MW-30-88 | 2/2/07 1415 | ND | | ND | | ND | |
| Q2235 | 230 | MW-30-88 | 2/8/07 1432 | ND | | ND | | ND | |
| Q2259 | 230 | MW-30-88 | 2/9/07 1550 | ND | | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q2259R | 230 | MW-30-88 | 2/9/07 1550 | ND | | ND | | ND | |
| Q2369 | 230 | MW-30-88 | 2/10/07 0840 | ND | | ND | | ND | |
| Q2374 | 230 | MW-30-88 | 2/11/07 1052 | ND | | ND | | ND | |
| Q2345 | 230 | MW-30-88 | 2/12/07 0838 | 508.5 | 0.184 | ND | | ND | |
| Q3068 | 230 | MW-30-88 | 2/13/07 0818 | 508.2 | 4.59 | ND | | ND | |
| Q3072 | 230 | MW-30-88 | 2/14/07 0832 | 508.2 | 7.36 | ND | | ND | |
| Q3045 | 230 | MW-30-88 | 2/15/07 0819 | 508.3 | 21.7 | ND | | ND | |
| Q3049 | 230 | MW-30-88 | 2/16/07 0808 | 508.3 | 37.8 | ND | | ND | |
| Q3053 | 230 | MW-30-88 | 2/17/07 0949 | 508.5 | 51.7 | ND | | ND | |
| Q3057 | 230 | MW-30-88 | 2/18/07 0943 | 508.6 | 64.0 | ND | | ND | |
| Q3062 | 230 | MW-30-88 | 2/19/07 1028 | 508.3 | 87.8 | ND | | ND | |
| Q3102 | 230 | MW-30-88 | 2/20/07 0825 | 508.7 | 88.7 | ND | | ND | |
| Q3125 | 230 | MW-30-88 | 2/21/07 0906 | 508.4 | 88.6 | ND | | ND | |
| Q3643 | 230 | MW-30-88 | 2/22/07 0940 | 508.4 | 88.1 | ND | | ND | |
| Q3619 | 230 | MW-30-88 | 2/23/07 0814 | 508.5 | 122 | ND | | ND | |
| Q3687 | 230 | MW-30-88 | 2/26/07 0927 | 508.7 | 114 | ND | | ND | |
| Q3664 | 230 | MW-30-88 | 2/27/07 1105 | 508.3 | 110 | ND | | ND | |
| Q3875 | 230 | MW-30-88 | 2/28/07 1127 | 508.2 | 116 | ND | | ND | |
| Q4002 | 230 | MW-30-88 | 3/1/07 1126 | 508.3 | 117 | ND | | ND | |
| Q4030 | 230 | MW-30-88 | 3/2/07 0826 | 508.2 | 120 | ND | | ND | |
| Q4057 | 230 | MW-30-88 | 3/5/07 0939 | 508.5 | 119 | ND | | ND | |
| Q4536 | 230 | MW-30-88 | 3/6/07 0933 | 508.4 | 125 | ND | | ND | |
| Q4516 | 230 | MW-30-88 | 3/7/07 1138 | 508.5 | 123 | ND | | ND | |
| Q4642 | 230 | MW-30-88 | 3/8/07 0849 | 508.6 | 135 | ND | | ND | |
| Q4659 | 230 | MW-30-88 | 3/9/07 0902 | 508.6 | 139 | ND | | ND | |
| Q4906 | 230 | MW-30-88 | 3/12/07 1049 | 508.2 | 140 | ND | | ND | |
| Q4936 | 230 | MW-30-88 | 3/13/07 0950 | 508.7 | 142 | ND | | ND | |
| Q4956 | 230 | MW-30-88 | 3/14/07 1125 | 508.9 | 145 | ND | | ND | |
| Q5243 | 230 | MW-30-88 | 3/15/07 0846 | 508.7 | 139 | ND | | ND | |
| Q5243R | 230 | MW-30-88 | 3/15/07 0846 | 508.8 | 139 | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q5266 | 230 | MW-30-88 | 3/16/07 0922 | 508.1 | 154 | ND | | ND | |
| Q5298 | 230 | MW-30-88 | 3/19/07 0854 | 508.5 | 155 | ND | | ND | |
| Q5558 | 230 | MW-30-88 | 3/21/07 1319 | 508.7 | 132 | ND | | ND | |
| Q5624 | 230 | MW-30-88 | 3/23/07 0827 | 508.2 | 140 | ND | | ND | |
| Q5725 | 230 | MW-30-88 | 3/26/07 1353 | 508.1 | 143 | ND | | ND | |
| Q5942 | 230 | MW-30-88 | 3/28/07 1136 | 508.3 | 143 | ND | | ND | |
| Q6077 | 230 | MW-30-88 | 3/29/07 1148 | 508.3 | 123 | ND | | ND | |
| Q6227 | 230 | MW-30-88 | 4/2/07 1338 | 508.5 | 126 | ND | | ND | |
| Q6357 | 230 | MW-30-88 | 4/4/07 1407 | 508.1 | 134 | ND | | ND | |
| Q6453 | 230 | MW-30-88 | 4/6/07 1158 | 508.6 | 130 | ND | | ND | |
| Q6630 | 230 | MW-30-88 | 4/9/07 1251 | 508 | 167 | ND | | ND | |
| Q6772 | 230 | MW-30-88 | 4/11/07 1153 | 508.1 | 128 | ND | | ND | |
| Q7026 | 230 | MW-30-88 | 4/18/07 0822 | 508.6 | 117 | ND | | ND | |
| Q7173 | 230 | MW-30-88 | 4/23/07 0946 | 508.3 | 110 | ND | | ND | |
| Q7617 | 230 | MW-30-88 | 5/4/07 1221 | 508.7 | 111 | ND | | ND | |
| Q8174 | 230 | MW-30-88 | 5/11/07 0838 | 508.3 | 108 | ND | | ND | |
| R0021 | 230 | MW-30-84 | 6/12/07 1019 | 508.9 | 86.0 | ND | | ND | |
| R1672 | 230 | MW-30-84 | 7/12/07 1410 | 508.5 | 39.7 | ND | | ND | |
| R1672 | 230 | MW-30-84 | 7/12/07 1410 | 508.5 | 39.7 | ND | | ND | |
| R1679 | 230 | MW-30-84 | 7/18/07 1022 | 508.3 | 37.1 | ND | | ND | |
| R1679 | 230 | MW-30-84 | 7/18/07 1022 | 508.3 | 37.1 | ND | | ND | |
| R1682 | 230 | MW-30-84 | 7/25/07 1300 | 508.1 | 34.2 | ND | | ND | |
| R1682 | 230 | MW-30-84 | 7/25/07 1300 | 508.1 | 34.2 | ND | | ND | |
| **Q0833** | **240** | **MW-31-53** | **11/20/06 1400** | **ND** | | **ND** | | **ND** | |
| Q1065 | 240 | MW-31-53 | 11/27/06 1145 | ND | | ND | | ND | |
| Q1294 | 240 | MW-31-53 | 12/4/06 1026 | ND | | ND | | ND | |
| Q1956 | 240 | MW-31-53 | 1/18/07 0925 | ND | | ND | | ND | |
| Q2137 | 240 | MW-31-53 | 1/25/07 1129 | ND | | ND | | ND | |
| Q2119 | 240 | MW-31-53 | 2/1/07 0910 | ND | | ND | | ND | |
| Q2236 | 240 | MW-31-53 | 2/8/07 1547 | 508.5 | 1,600 | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q2261 | 240 | MW-31-53 | 2/9/07 1708 | 508.3 | 746 | ND | | ND | |
| Q2297 | 240 | MW-31-53 | 2/10/07 1025 | 508.3 | 1,140 | ND | | ND | |
| Q2316 | 240 | MW-31-53 | 2/11/07 0738 | 508.2 | 682 | ND | | ND | |
| Q2346 | 240 | MW-31-53 | 2/12/07 1014 | 508.9 | 391 | ND | | ND | |
| Q2674 | 240 | MW-31-53 | 2/13/07 1208 | 508.4 | 275 | ND | | ND | |
| Q2702 | 240 | MW-31-53 | 2/14/07 1023 | 508.3 | 177 | ND | | ND | |
| Q2973 | 240 | MW-31-53 | 2/15/07 1012 | 508.2 | 149 | ND | | ND | |
| Q2987 | 240 | MW-31-53 | 2/16/07 0940 | 508.3 | 79.4 | ND | | ND | |
| Q3006 | 240 | MW-31-53 | 2/17/07 0735 | 508.3 | 82.5 | ND | | ND | |
| Q3025 | 240 | MW-31-53 | 2/18/07 0738 | 509.0 | 58.0 | ND | | ND | |
| Q3073 | 240 | MW-31-53 | 2/19/07 0755 | 508.3 | 50.5 | ND | | ND | |
| Q3103 | 240 | MW-31-53 | 2/20/07 1015 | 508.6 | 69.7 | ND | | ND | |
| Q3126 | 240 | MW-31-53 | 2/21/07 1014 | 508.1 | 29.1 | ND | | ND | |
| Q3644 | 240 | MW-31-53 | 2/22/07 1315 | 508.3 | 35.3 | ND | | ND | |
| Q3621 | 240 | MW-31-53 | 2/23/07 1003 | 508.2 | 24.6 | ND | | ND | |
| Q3621R | 240 | MW-31-53 | 2/23/07 1003 | 508.4 | 24.7 | ND | | ND | |
| Q3533 | 240 | MW-31-53 | 2/26/07 1016 | 508.5 | 24.5 | ND | | ND | |
| Q3665 | 240 | MW-31-53 | 2/27/07 1243 | 507.9 ** | 29.5 | ND | | ND | |
| Q3876 | 240 | MW-31-53 | 2/28/07 1249 | 508.1 | 29.9 | ND | | ND | |
| Q4003 | 240 | MW-31-53 | 3/1/07 1409 | 508.2 | 11.7 | ND | | ND | |
| Q4031 | 240 | MW-31-53 | 3/2/07 1046 | 508.0 | 14.4 | ND | | ND | |
| Q4058 | 240 | MW-31-53 | 3/5/07 1208 | 508.1 | 6.16 | ND | | ND | |
| Q4267 | 240 | MW-31-53 | 3/6/07 1140 | 508.1 | 1.93 | ND | | ND | |
| Q4517 | 240 | MW-31-53 | 3/7/07 1351 | 508.4 | 0.468 | ND | | ND | |
| Q4643 | 240 | MW-31-53 | 3/8/07 1019 | 509.0 | 0.206 | ND | | ND | |
| Q4661 | 240 | MW-31-53 | 3/9/07 1010 | 508.3 | 5.87 | ND | | ND | |
| Q4907 | 240 | MW-31-53 | 3/12/07 0757 | 508.2 | 2.39 | ND | | ND | |
| Q5244 | 240 | MW-31-53 | 3/15/07 1350 | 508.2 | 11.0 | ND | | ND | |
| Q5267 | 240 | MW-31-53 | 3/16/07 0730 | 508.1 | 15.1 | ND | | ND | |
| Q5299 | 240 | MW-31-53 | 3/19/07 1100 | 508.3 | 2.85 | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q5299R | 240 | MW-31-53 | 3/19/07 1100 | 508.4 | 2.83 | ND | | ND | |
| Q5559 | 240 | MW-31-53 | 3/21/07 1407 | 508.2 | 0.120 | ND | | ND | |
| Q5625 | 240 | MW-31-53 | 3/23/07 0925 | 507.4 ** | 0.074 | ND | | ND | |
| Q5625R | 240 | MW-31-53 | 3/23/07 0925 | 508.4 | 0.069 | ND | | ND | |
| Q5726 | 240 | MW-31-53 | 3/26/07 1448 | 507.0 ** | 0.039 | ND | | ND | |
| Q5943 | 240 | MW-31-53 | 3/28/07 1358 | 510.0 | 0.057 | ND | | ND | |
| Q6078 | 240 | MW-31-53 | 3/29/07 1330 | 508.7 | 0.154 | ND | | ND | |
| Q6228 | 240 | MW-31-53 | 4/2/07 1422 | 508.5 | 6.21 | ND | | ND | |
| Q6358 | 240 | MW-31-53 | 4/4/07 0925 | 508.5 | 0.644 | ND | | ND | |
| Q6454 | 240 | MW-31-53 | 4/6/07 0938 | 508.3 | 0.583 | ND | | ND | |
| Q6631 | 240 | MW-31-53 | 4/9/07 1211 | 508.2 | 0.387 | ND | | ND | |
| Q6773 | 240 | MW-31-53 | 4/11/07 1054 | 509.1 | 0.218 | ND | | ND | |
| Q7027 | 240 | MW-31-53 | 4/18/07 0945 | 508.5 | 2.18 | ND | | ND | |
| Q7027R | 240 | MW-31-53 | 4/18/07 0945 | 508.5 | 2.18 | ND | | ND | |
| Q7174 | 240 | MW-31-53 | 4/23/07 0911 | 508.1 | 1.68 | ND | | ND | |
| Q7618 | 240 | MW-31-53 | 5/4/07 1034 | 508.8 | 0.065 | ND | | ND | |
| Q7618R | 240 | MW-31-53 | 5/4/07 1034 | 509.0 | 0.065 | ND | | ND | |
| Q8175 | 240 | MW-31-53 | 5/11/07 1040 | 508.5 | 0.416 | ND | | ND | |
| R0022 | 240 | MW-31-49 | 6/12/07 1424 | 508.3 | 0.363 | ND | | ND | |
| R0022R | 240 | MW-31-49 | 6/12/07 1424 | 508.7 | 0.364 | ND | | ND | |
| R1939 | 240 | MW-31-49 | 8/2/07 1023 | 508.9 | 1.02 | ND | | ND | |
| **Q0834** | **250** | **MW-31-67** | **11/20/06 1345** | **ND** | | **ND** | | **ND** | |
| Q1066 | 250 | MW-31-67 | 11/27/06 1210 | ND | | ND | | ND | |
| Q1295 | 250 | MW-31-67 | 12/4/06 1020 | ND | | ND | | ND | |
| Q1957 | 250 | MW-31-67 | 1/18/07 0925 | ND | | ND | | ND | |
| Q2138 | 250 | MW-31-67 | 1/25/07 1127 | ND | | ND | | ND | |
| Q2121 | 250 | MW-31-67 | 2/1/07 0920 | ND | | ND | | ND | |
| Q2237 | 250 | MW-31-67 | 2/8/07 1547 | ND | | ND | | ND | |
| Q2262 | 250 | MW-31-67 | 2/9/07 1711 | ND | | ND | | ND | |
| Q2298 | 250 | MW-31-67 | 2/10/07 1019 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Recovered | Fluorescein Results Peak nm | Fluorescein Results Conc. ppb | Eosine Results Peak nm | Eosine Results Conc. ppb | RWT Results Peak nm | RWT Results Conc. ppb |
|---|---|---|---|---|---|---|---|---|---|
| Q2317 | 250 | MW-31-67 | 2/11/07 0743 | 508.4 | 212 | ND | | ND | |
| Q2347 | 250 | MW-31-67 | 2/12/07 1017 | 508.2 | 1,030 | ND | | ND | |
| Q2675 | 250 | MW-31-67 | 2/13/07 1212 | 508.7 | 3,820 | ND | | ND | |
| Q2703 | 250 | MW-31-67 | 2/14/07 1026 | 508.3 | 5,830 | ND | | ND | |
| Q2974 | 250 | MW-31-67 | 2/15/07 1009 | 508.5 | 7,500 | ND | | ND | |
| Q2988 | 250 | MW-31-67 | 2/16/07 0942 | 508.5 | 8,300 | ND | | ND | |
| Q3007 | 250 | MW-31-67 | 2/17/07 0737 | 508.5 | 9,340 | ND | | ND | |
| Q3026 | 250 | MW-31-67 | 2/18/07 0744 | 508.8 | 9,310 | ND | | ND | |
| Q3074 | 250 | MW-31-67 | 2/19/07 0805 | 508.2 | 10,800 | ND | | ND | |
| Q3104 | 250 | MW-31-67 | 2/20/07 1017 | 508.6 | 12,400 | ND | | ND | |
| Q3127 | 250 | MW-31-67 | 2/21/07 1014 | 508.3 | 9,230 | ND | | ND | |
| Q3645 | 250 | MW-31-67 | 2/22/07 1320 | 508.6 | 9,760 | ND | | ND | |
| Q3622 | 250 | MW-31-67 | 2/23/07 0958 | 508.5 | 12,700 | ND | | ND | |
| Q3534 | 250 | MW-31-67 | 2/26/07 1017 | 508.4 | 11,700 | ND | | ND | |
| Q3666 | 250 | MW-31-67 | 2/27/07 1245 | 508.2 | 10,400 | ND | | ND | |
| Q3877 | 250 | MW-31-67 | 2/28/07 1250 | 508.3 | 11,800 | ND | | ND | |
| Q4004 | 250 | MW-31-67 | 3/1/07 1406 | 508.2 | 10,500 | ND | | ND | |
| Q4032 | 250 | MW-31-67 | 3/2/07 1049 | 508.1 | 10,200 | ND | | ND | |
| Q4059 | 250 | MW-31-67 | 3/5/07 1206 | 508.3 | 9,460 | ND | | ND | |
| Q4268 | 250 | MW-31-67 | 3/6/07 1138 | 508.3 | 9,590 | ND | | ND | |
| Q4518 | 250 | MW-31-67 | 3/7/07 1349 | 508.4 | 8,790 | ND | | ND | |
| Q4644 | 250 | MW-31-67 | 3/8/07 1020 | 509.0 | 8,370 | ND | | ND | |
| Q4662 | 250 | MW-31-67 | 3/9/07 1012 | 508.8 | 7,540 | ND | | ND | |
| Q4908 | 250 | MW-31-67 | 3/12/07 0759 | 508.1 | 6,460 | ND | | ND | |
| Q5245 | 250 | MW-31-67 | 3/15/07 1352 | 508.5 | 4,390 | ND | | ND | |
| Q5268 | 250 | MW-31-67 | 3/16/07 0732 | 508.2 | 3,470 | ND | | ND | |
| Q5301 | 250 | MW-31-67 | 3/19/07 1102 | 508.5 | 2,480 | ND | | ND | |
| Q5561 | 250 | MW-31-67 | 3/21/07 1408 | 508.5 | 1,470 | ND | | ND | |
| Q5626 | 250 | MW-31-67 | 3/23/07 0926 | 508.1 | 1,310 | ND | | ND | |
| Q5727 | 250 | MW-31-67 | 3/26/07 1449 | 508.1 | 767 | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q5944 | 250 | MW-31-67 | 3/28/07 1400 | 508.4 | 653 | ND | | ND | |
| Q6079 | 250 | MW-31-67 | 3/29/07 1331 | 508.1 | 549 | ND | | ND | |
| Q6229 | 250 | MW-31-67 | 4/2/07 1424 | 508.7 | 471 | ND | | ND | |
| Q6359 | 250 | MW-31-67 | 4/4/07 0927 | 508.2 | 487 | ND | | ND | |
| Q6455 | 250 | MW-31-67 | 4/6/07 0939 | 508.9 | 331 | ND | | ND | |
| Q6632 | 250 | MW-31-67 | 4/9/07 1213 | 508.1 | 421 | ND | | ND | |
| Q6774 | 250 | MW-31-67 | 4/11/07 1056 | 508.3 | 327 | ND | | ND | |
| Q7028 | 250 | MW-31-67 | 4/18/07 0946 | 508.2 | 230 | ND | | ND | |
| Q7175 | 250 | MW-31-67 | 4/23/07 0912 | 508.3 | 209 | ND | | ND | |
| Q7619 | 250 | MW-31-67 | 5/4/07 1036 | 508.5 | 206 | ND | | ND | |
| Q8176 | 250 | MW-31-67 | 5/11/07 1044 | 508.7 | 118 | ND | | ND | |
| R0023 | 250 | MW-31-63 | 6/12/07 1420 | 509.0 | 82.7 | ND | | ND | |
| R1941 | 250 | MW-31-63 | 8/2/07 1115 | 508.7 | 15.3 | ND | | ND | |
| **Q0835** | **260** | **MW-31-89** | **11/20/06 1340** | **ND** | | **ND** | | **ND** | |
| Q1067 | 260 | MW-31-89 | 11/27/06 1220 | ND | | ND | | ND | |
| Q1296 | 260 | MW-31-89 | 12/4/06 1029 | ND | | ND | | ND | |
| Q1958 | 260 | MW-31-89 | 1/18/07 0916 | ND | | ND | | ND | |
| Q2139 | 260 | MW-31-89 | 1/25/07 1125 | ND | | ND | | ND | |
| Q2122 | 260 | MW-31-89 | 2/1/07 0924 | ND | | ND | | ND | |
| Q2238 | 260 | MW-31-89 | 2/8/07 1547 | ND | | ND | | ND | |
| Q2263 | 260 | MW-31-89 | 2/9/07 1711 | 508.8 (3) | 0.020 | ND | | ND | |
| Q2299 | 260 | MW-31-89 | 2/10/07 1022 | ND | | ND | | ND | |
| Q2318 | 260 | MW-31-89 | 2/11/07 0745 | ND | | ND | | ND | |
| Q2348 | 260 | MW-31-89 | 2/12/07 1020 | 508.3 | 958 | ND | | ND | |
| Q2676 | 260 | MW-31-89 | 2/13/07 1213 | 508.4 | 1,810 | ND | | ND | |
| Q2704 | 260 | MW-31-89 | 2/14/07 1027 | 508.5 | 1,680 | ND | | ND | |
| Q2975 | 260 | MW-31-89 | 2/15/07 1011 | 508.1 | 1,050 | ND | | ND | |
| Q2989 | 260 | MW-31-89 | 2/16/07 0943 | 508.3 | 715 | ND | | ND | |
| Q3008 | 260 | MW-31-89 | 2/17/07 0740 | 508.2 | 486 | ND | | ND | |
| Q3027 | 260 | MW-31-89 | 2/18/07 0746 | 508.9 | 367 | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q3075 | 260 | MW-31-89 | 2/19/07 0811 | 508.2 | 299 | ND | | ND | |
| Q3105 | 260 | MW-31-89 | 2/20/07 1012 | 508.7 | 222 | ND | | ND | |
| Q3128 | 260 | MW-31-89 | 2/21/07 1015 | 508.3 | 175 | ND | | ND | |
| Q3646 | 260 | MW-31-89 | 2/22/07 1325 | 508.3 | 148 | ND | | ND | |
| Q3623 | 260 | MW-31-89 | 2/23/07 0953 | 508.7 | 125 | ND | | ND | |
| Q3535 | 260 | MW-31-89 | 2/26/07 1018 | 508.4 | 99.7 | ND | | ND | |
| Q3667 | 260 | MW-31-89 | 2/27/07 1246 | 508.4 | 84.4 | ND | | ND | |
| Q3878 | 260 | MW-31-89 | 2/28/07 1252 | 508.4 | 77.3 | ND | | ND | |
| Q4005 | 260 | MW-31-89 | 3/1/07 1402 | 508.2 | 72.0 | ND | | ND | |
| Q4033 | 260 | MW-31-89 | 3/2/07 1042 | 508.3 | 62.6 | ND | | ND | |
| Q4061 | 260 | MW-31-89 | 3/5/07 1204 | 508.3 | 38.6 | ND | | ND | |
| Q4061R | 260 | MW-31-89 | 3/5/07 1204 | 508.3 | 38.7 | ND | | ND | |
| Q4269 | 260 | MW-31-89 | 3/6/07 1143 | 508.1 | 38.4 | ND | | ND | |
| Q4519 | 260 | MW-31-89 | 3/7/07 1347 | 508.2 | 21.0 | ND | | ND | |
| Q4645 | 260 | MW-31-89 | 3/8/07 1025 | 508.5 | 23.3 | ND | | ND | |
| Q4663 | 260 | MW-31-89 | 3/9/07 1013 | 508.3 | 25.0 | ND | | ND | |
| Q4909 | 260 | MW-31-89 | 3/12/07 0801 | 508.2 | 24.9 | ND | | ND | |
| Q5246 | 260 | MW-31-89 | 3/15/07 1353 | 508.1 | 30.7 | ND | | ND | |
| Q5269 | 260 | MW-31-89 | 3/16/07 0733 | 508.1 | 59.1 | ND | | ND | |
| Q5302 | 260 | MW-31-89 | 3/19/07 1103 | 508.9 | 68.4 | ND | | ND | |
| Q5562 | 260 | MW-31-89 | 3/21/07 1409 | 508.1 | 29.3 | ND | | ND | |
| Q5627 | 260 | MW-31-89 | 3/23/07 0927 | 508.1 | 14.4 | ND | | ND | |
| Q5728 | 260 | MW-31-89 | 3/26/07 1450 | 508.3 | 8.26 | ND | | ND | |
| Q5945 | 260 | MW-31-89 | 3/28/07 1401 | 508.6 | 8.15 | ND | | ND | |
| Q6081 | 260 | MW-31-89 | 3/29/07 1333 | 508.4 | 6.93 | ND | | ND | |
| Q6230 | 260 | MW-31-89 | 4/2/07 1425 | 508.4 | 8.31 | ND | | ND | |
| Q6361 | 260 | MW-31-89 | 4/4/07 0928 | 508.4 | 6.13 | ND | | ND | |
| Q6456 | 260 | MW-31-89 | 4/6/07 0940 | 508.3 | 4.92 | ND | | ND | |
| Q6633 | 260 | MW-31-89 | 4/9/07 1214 | 508.3 | 4.99 | ND | | ND | |
| Q6775 | 260 | MW-31-89 | 4/11/07 1057 | 508.5 | 4.04 | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q7029 | 260 | MW-31-89 | 4/18/07 0947 | 508.7 | 2.86 | ND | | ND | |
| Q7176 | 260 | MW-31-89 | 4/23/07 0913 | 508.4 | 2.52 | ND | | ND | |
| Q7621 | 260 | MW-31-89 | 5/4/07 1037 | 508.6 | 2.18 | ND | | ND | |
| Q8177 | 260 | MW-31-89 | 5/11/07 1045 | 508.3 | 2.46 | ND | | ND | |
| R0024 | 260 | MW-31-85 | 6/12/07 1405 | 508.1 | 1.79 | ND | | ND | |
| R1942 | 260 | MW-31-85 | 8/2/07 1058 | 508.5 | 0.851 | ND | | ND | |
| **Q0836** | **270** | **MW-32-62** | **11/21/06 0815** | **ND** | | **ND** | | **ND** | |
| Q1068 | 270 | MW-32-62 | 11/28/06 0845 | ND | | ND | | ND | |
| Q1297 | 270 | MW-32-62 | 12/4/06 0902 | ND | | ND | | ND | |
| Q1959 | 270 | MW-32-62 | 1/18/07 1242 | ND | | ND | | ND | |
| Q2141 | 270 | MW-32-62 | 1/25/07 1229 | ND | | ND | | ND | |
| Q2286 | 270 | MW-32-62 | 2/7/07 1000 | ND | | ND | | ND | |
| Q2239 | 270 | MW-32-62 | 2/8/07 1430 | 508.3 | 23,800 | ND | | ND | |
| Q2264 | 270 | MW-32-62 | 2/9/07 1345 | 508.4 | 49,000 | ND | | ND | |
| Q2301 | 270 | MW-32-62 | 2/10/07 1103 | 508.3 | 14,500 | ND | | ND | |
| Q2319 | 270 | MW-32-62 | 2/11/07 0831 | 508.3 | 7,770 | ND | | ND | |
| Q2349 | 270 | MW-32-62 | 2/12/07 1049 | 508.4 | 3,950 | ND | | ND | |
| Q2677 | 270 | MW-32-62 | 2/13/07 1051 | 508.5 | 2,030 | ND | | ND | |
| Q2705 | 270 | MW-32-62 | 2/14/07 1047 | 508.3 | 1,380 | ND | | ND | |
| Q2976 | 270 | MW-32-62 | 2/15/07 1119 | 508.3 | 939 | ND | | ND | |
| Q2990 | 270 | MW-32-62 | 2/16/07 1038 | 508.5 | 733 | ND | | ND | |
| Q3009 | 270 | MW-32-62 | 2/17/07 0813 | 508.3 | 628 | ND | | ND | |
| Q3028 | 270 | MW-32-62 | 2/18/07 0820 | 509.0 | 498 | ND | | ND | |
| Q3076 | 270 | MW-32-62 | 2/19/07 0846 | 508.2 | 474 | ND | | ND | |
| Q3106 | 270 | MW-32-62 | 2/20/07 1057 | 508.7 | 378 | ND | | ND | |
| Q3129 | 270 | MW-32-62 | 2/21/07 1103 | 508.4 | 240 | ND | | ND | |
| Q3647 | 270 | MW-32-62 | 2/22/07 1345 | 508.5 | 238 | ND | | ND | |
| Q3624 | 270 | MW-32-62 | 2/23/07 1047 | 508.7 | 181 | ND | | ND | |
| Q3536 | 270 | MW-32-62 | 2/26/07 1039 | 508.3 | 115 | ND | | ND | |
| Q3668 | 270 | MW-32-62 | 2/27/07 1315 | 508.3 | 96.4 | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Recovered | Fluorescein Results Peak nm | Fluorescein Results Conc. ppb | Eosine Results Peak nm | Eosine Results Conc. ppb | RWT Results Peak nm | RWT Results Conc. ppb |
|---|---|---|---|---|---|---|---|---|---|
| Q3879 | 270 | MW-32-62 | 2/28/07 1316 | 508.5 | 89.3 | ND | | ND | |
| Q3879R | 270 | MW-32-62 | 2/28/07 1316 | 508.5 | 87.9 | ND | | ND | |
| Q4006 | 270 | MW-32-62 | 3/1/07 1347 | 508.5 | 79.0 | ND | | ND | |
| Q4034 | 270 | MW-32-62 | 3/2/07 1328 | 508.4 | 123 | ND | | ND | |
| Q4062 | 270 | MW-32-62 | 3/5/07 1042 | 508.5 | 16.8 | ND | | ND | |
| Q4270 | 270 | MW-32-62 | 3/6/07 1350 | 508.7 | 1.60 | ND | | ND | |
| Q4521 | 270 | MW-32-62 | 3/7/07 1516 | 508.4 | 23.0 | ND | | ND | |
| Q4646 | 270 | MW-32-62 | 3/8/07 1050 | 508.5 | 30.2 | ND | | ND | |
| Q4664 | 270 | MW-32-62 | 3/9/07 1045 | 508.5 | 37.8 | ND | | ND | |
| Q4910 | 270 | MW-32-62 | 3/12/07 0828 | 508.5 | 48.7 | ND | | ND | |
| Q4937 | 270 | MW-32-62 | 3/13/07 1058 | 508.9 | 56.2 | ND | | ND | |
| Q4957 | 270 | MW-32-62 | 3/14/07 0850 | 509.1 | 81.9 | ND | | ND | |
| Q5247 | 270 | MW-32-62 | 3/15/07 0950 | 508.6 | 79.9 | ND | | ND | |
| Q5270 | 270 | MW-32-62 | 3/16/07 0750 | 508.3 | 85.9 | ND | | ND | |
| Q5303 | 270 | MW-32-62 | 3/19/07 1126 | 508.5 | 45.0 | ND | | ND | |
| Q5563 | 270 | MW-32-62 | 3/21/07 1427 | 508.4 | 34.0 | ND | | ND | |
| Q5628 | 270 | MW-32-62 | 3/23/07 0943 | 508.9 | 19.5 | ND | | ND | |
| Q5729 | 270 | MW-32-62 | 3/26/07 1503 | 508.6 | 8.93 | ND | | ND | |
| Q5946 | 270 | MW-32-62 | 3/28/07 1417 | 508.9 | 10.4 | ND | | ND | |
| Q6082 | 270 | MW-32-62 | 3/29/07 1348 | 508.7 | 11.4 | ND | | ND | |
| Q6231 | 270 | MW-32-62 | 4/2/07 1441 | 508.5 | 35.3 | ND | | ND | |
| Q6362 | 270 | MW-32-62 | 4/4/07 0944 | 508.3 | 40.5 | ND | | ND | |
| Q6457 | 270 | MW-32-62 | 4/6/07 1000 | 508.5 | 23.9 | ND | | ND | |
| Q6634 | 270 | MW-32-62 | 4/9/07 1137 | 508.7 | 16.5 | ND | | ND | |
| Q6776 | 270 | MW-32-62 | 4/11/07 1004 | 508.7 | 26.5 | ND | | ND | |
| Q7030 | 270 | MW-32-62 | 4/18/07 1004 | 508.6 | 15.1 | ND | | ND | |
| Q7177 | 270 | MW-32-62 | 4/23/07 0825 | 508.9 | 2.19 | ND | | ND | |
| Q7177V | 270 | MW-32-62 | 4/23/07 0825 | 509.1 | 2.15 | ND | | ND | |
| Q7622 | 270 | MW-32-62 | 5/4/07 0935 | 508.8 | 14.6 | ND | | ND | |
| Q8178 | 270 | MW-32-62 | 5/11/07 0945 | 508.7 | 14.2 | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Recovered | Fluorescein Results Peak nm | Fluorescein Results Conc. ppb | Eosine Results Peak nm | Eosine Results Conc. ppb | RWT Results Peak nm | RWT Results Conc. ppb |
|---|---|---|---|---|---|---|---|---|---|
| R0025 | 270 | MW-32-62 | 6/14/07 1443 | 513.0** | 2.19 | ND | | ND | |
| R1673 | 270 | MW-32-62 | 7/13/07 0945 | 513.0 ** | 1.90 | ND | | ND | |
| R1673 | 270 | MW-32-62 | 7/13/07 0945 | 513.0 ** | 1.90 | ND | | ND | |
| **Q0837** | **280** | **MW-32-92** | **11/21/06 0820** | **ND** | | **ND** | | **ND** | |
| Q1069 | 280 | MW-32-92 | 11/28/06 0843 | ND | | ND | | ND | |
| Q1298 | 280 | MW-32-92 | 12/4/06 0913 | ND | | ND | | ND | |
| Q1961 | 280 | MW-32-92 | 1/18/07 1243 | ND | | ND | | ND | |
| Q2142 | 280 | MW-32-92 | 1/25/07 1231 | ND | | ND | | ND | |
| Q2287 | 280 | MW-32-92 | 2/7/07 0955 | ND | | ND | | ND | |
| Q2241 | 280 | MW-32-92 | 2/8/07 1430 | 508.3 | 24,300 | ND | | ND | |
| Q2265 | 280 | MW-32-92 | 2/9/07 1355 | 508.5 | 4,730 | ND | | ND | |
| Q2302 | 280 | MW-32-92 | 2/10/07 1105 | 508.4 | 15,100 | ND | | ND | |
| Q2321 | 280 | MW-32-92 | 2/11/07 0834 | 508.3 | 7,810 | ND | | ND | |
| Q2350 | 280 | MW-32-92 | 2/12/07 1052 | 508.2 | 4,130 | ND | | ND | |
| Q2678 | 280 | MW-32-92 | 2/13/07 1025 | 508.4 | 2,100 | ND | | ND | |
| Q2706 | 280 | MW-32-92 | 2/14/07 1053 | 508.5 | 1,380 | ND | | ND | |
| Q2977 | 280 | MW-32-92 | 2/15/07 1120 | 508.3 | 951 | ND | | ND | |
| Q2991 | 280 | MW-32-92 | 2/16/07 1042 | 508.5 | 710 | ND | | ND | |
| Q3010 | 280 | MW-32-92 | 2/17/07 0816 | 508.4 | 643 | ND | | ND | |
| Q3029 | 280 | MW-32-92 | 2/18/07 0822 | 509.0 | 560 | ND | | ND | |
| Q3077 | 280 | MW-32-92 | 2/19/07 0832 | 508.2 | 472 | ND | | ND | |
| Q3107 | 280 | MW-32-92 | 2/20/07 1054 | 508.7 | 398 | ND | | ND | |
| Q3130 | 280 | MW-32-92 | 2/21/07 1115 | 508.3 | 340 | ND | | ND | |
| Q3648 | 280 | MW-32-92 | 2/22/07 1350 | 508.5 | 240 | ND | | ND | |
| Q3625 | 280 | MW-32-92 | 2/23/07 1025 | 508.7 | 182 | ND | | ND | |
| Q3537 | 280 | MW-32-92 | 2/26/07 1043 | 508.4 | 113 | ND | | ND | |
| Q3669 | 280 | MW-32-92 | 2/27/07 1320 | 508.5 | 95.7 | ND | | ND | |
| Q3881 | 280 | MW-32-92 | 2/28/07 1320 | 508.3 | 94.3 | ND | | ND | |
| Q4007 | 280 | MW-32-92 | 3/1/07 1331 | 508.3 | 83.8 | ND | | ND | |
| Q4035 | 280 | MW-32-92 | 3/2/07 1326 | 508.1 | 76.3 | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q4063 | 280 | MW-32-92 | 3/5/07 1044 | 508.5 | 70.8 | ND | | ND | |
| Q4271 | 280 | MW-32-92 | 3/6/07 1351 | 508.6 | 49.7 | ND | | ND | |
| Q4522 | 280 | MW-32-92 | 3/7/07 1526 | 508.3 | 19.9 | ND | | ND | |
| Q4647 | 280 | MW-32-92 | 3/8/07 1051 | 508.4 | 14.7 | ND | | ND | |
| Q4665 | 280 | MW-32-92 | 3/9/07 1047 | 508.4 | 19.4 | ND | | ND | |
| Q4911 | 280 | MW-32-92 | 3/12/07 0837 | 508.1 | 38.5 | ND | | ND | |
| Q4938 | 280 | MW-32-92 | 3/13/07 1104 | 508.9 | 71.1 | ND | | ND | |
| Q4958 | 280 | MW-32-92 | 3/14/07 0854 | 509.1 | 76.7 | ND | | ND | |
| Q5248 | 280 | MW-32-92 | 3/15/07 0953 | 508.5 | 85.7 | ND | | ND | |
| Q5271 | 280 | MW-32-92 | 3/16/07 0754 | 508.3 | 103 | ND | | ND | |
| Q5304 | 280 | MW-32-92 | 3/19/07 1133 | 508.9 | 141 | ND | | ND | |
| Q5564 | 280 | MW-32-92 | 3/21/07 1428 | 508.5 | 160 | ND | | ND | |
| Q5629 | 280 | MW-32-92 | 3/23/07 0945 | 508.1 | 195 | ND | | ND | |
| Q5730 | 280 | MW-32-92 | 3/26/07 1506 | 508.1 | 219 | ND | | ND | |
| Q5947 | 280 | MW-32-92 | 3/28/07 1419 | 508.4 | 235 | ND | | ND | |
| Q6083 | 280 | MW-32-92 | 3/29/07 1349 | 508.3 | 208 | ND | | ND | |
| Q6232 | 280 | MW-32-92 | 4/2/07 1444 | 508.7 | 234 | ND | | ND | |
| Q6363 | 280 | MW-32-92 | 4/4/07 0947 | 508.3 | 299 | ND | | ND | |
| Q6458 | 280 | MW-32-92 | 4/6/07 1004 | 508.5 | 340 | ND | | ND | |
| Q6635 | 280 | MW-32-92 | 4/9/07 1140 | 508.1 | 367 | ND | | ND | |
| Q6777 | 280 | MW-32-92 | 4/11/07 1006 | 508.2 | 407 | ND | | ND | |
| Q7031 | 280 | MW-32-92 | 4/18/07 1007 | 508.3 | 446 | ND | | ND | |
| Q7178 | 280 | MW-32-92 | 4/23/07 0827 | 508.3 | 461 | ND | | ND | |
| Q7623 | 280 | MW-32-92 | 5/4/07 0941 | 508.7 | 503 | ND | | ND | |
| Q8179 | 280 | MW-32-92 | 5/11/07 0947 | 508.4 | 442 | ND | | ND | |
| R0026 | 280 | MW-32-92 | 6/14/07 1453 | 509.1 | 446 | ND | | ND | |
| R1674 | 280 | MW-32-92 | 7/13/07 0950 | 508.4 | 275 | ND | | ND | |
| R1674 | 280 | MW-32-92 | 7/13/07 0950 | 508.4 | 275 | ND | | ND | |
| **Q0838** | **290** | **MW-32-140** | **11/21/06 0825** | **ND** | | **ND** | | **ND** | |
| Q1070 | 290 | MW-32-140 | 11/28/06 0833 | ND | | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q1299 | 290 | MW-32-140 | 12/4/06 0917 | ND | | ND | | ND | |
| Q1962 | 290 | MW-32-140 | 1/18/07 1244 | ND | | ND | | ND | |
| Q2143 | 290 | MW-32-140 | 1/25/07 1232 | ND | | ND | | ND | |
| Q2288 | 290 | MW-32-140 | 2/7/07 0952 | ND | | ND | | ND | |
| Q2242 | 290 | MW-32-140 | 2/8/07 1430 | 510.5 | 0.051 | ND | | ND | |
| Q2242R | 290 | MW-32-140 | 2/8/07 1430 | 510.2 | 0.050 | ND | | ND | |
| Q2266 | 290 | MW-32-140 | 2/9/07 1415 | ND | | ND | | ND | |
| Q2303 | 290 | MW-32-140 | 2/10/07 1119 | 508.3 | 15,300 | ND | | ND | |
| Q2322 | 290 | MW-32-140 | 2/11/07 0845 | 508.3 | 8,210 | ND | | ND | |
| Q2351 | 290 | MW-32-140 | 2/12/07 1112 | 508.3 | 4,240 | ND | | ND | |
| Q2679 | 290 | MW-32-140 | 2/13/07 1032 | 508.5 | 2,280 | ND | | ND | |
| Q2707 | 290 | MW-32-140 | 2/14/07 1056 | 508.5 | 1,490 | ND | | ND | |
| Q2978 | 290 | MW-32-140 | 2/15/07 1135 | 508.2 | 1,360 | ND | | ND | |
| Q2992 | 290 | MW-32-140 | 2/16/07 1050 | 508.3 | 744 | ND | | ND | |
| Q3011 | 290 | MW-32-140 | 2/17/07 0825 | 508.3 | 660 | ND | | ND | |
| Q3030 | 290 | MW-32-140 | 2/18/07 0833 | 509.0 | 583 | ND | | ND | |
| Q3078 | 290 | MW-32-140 | 2/19/07 0849 | 508.2 | 492 | ND | | ND | |
| Q3108 | 290 | MW-32-140 | 2/20/07 1110 | 508.3 | 373 | ND | | ND | |
| Q3131 | 290 | MW-32-140 | 2/21/07 1141 | 508.4 | 332 | ND | | ND | |
| Q3649 | 290 | MW-32-140 | 2/22/07 1355 | 508.5 | 228 | ND | | ND | |
| Q3626 | 290 | MW-32-140 | 2/23/07 1031 | 508.7 | 190 | ND | | ND | |
| Q3538 | 290 | MW-32-140 | 2/26/07 1048 | 508.3 | 113 | ND | | ND | |
| Q3538R | 290 | MW-32-140 | 2/26/07 1048 | 508.4 | 114 | ND | | ND | |
| Q3670 | 290 | MW-32-140 | 2/27/07 1331 | 508.3 | 94.5 | ND | | ND | |
| Q3882 | 290 | MW-32-140 | 2/28/07 1336 | 508.5 | 92.2 | ND | | ND | |
| Q4008 | 290 | MW-32-140 | 3/1/07 1335 | 508.3 | 87.6 | ND | | ND | |
| Q4036 | 290 | MW-32-140 | 3/2/07 1311 | 508.4 | 69.5 | ND | | ND | |
| Q4064 | 290 | MW-32-140 | 3/5/07 1047 | 508.3 | 74.9 | ND | | ND | |
| Q4272 | 290 | MW-32-140 | 3/6/07 1354 | 508.3 | 90.3 | ND | | ND | |
| Q4523 | 290 | MW-32-140 | 3/7/07 1522 | 508.6 | 88.2 | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q4648 | 290 | MW-32-140 | 3/8/07 1052 | 509.1 | 86.4 | ND | | ND | |
| Q4666 | 290 | MW-32-140 | 3/9/07 1055 | 508.9 | 90.8 | ND | | ND | |
| Q4912 | 290 | MW-32-140 | 3/12/07 0844 | 508.3 | 87.2 | ND | | ND | |
| Q4939 | 290 | MW-32-140 | 3/13/07 1113 | 508.7 | 81.5 | ND | | ND | |
| Q4959 | 290 | MW-32-140 | 3/14/07 0902 | 509.1 | 75.9 | ND | | ND | |
| Q5249 | 290 | MW-32-140 | 3/15/07 1001 | 508.3 | 69.3 | ND | | ND | |
| Q5272 | 290 | MW-32-140 | 3/16/07 0803 | 508.3 | 68.9 | ND | | ND | |
| Q5305 | 290 | MW-32-140 | 3/19/07 1142 | 508.9 | 56.5 | ND | | ND | |
| Q5565 | 290 | MW-32-140 | 3/21/07 1438 | 508.5 | 48.6 | ND | | ND | |
| Q5630 | 290 | MW-32-140 | 3/23/07 0958 | 508.1 | 43.0 | ND | | ND | |
| Q5731 | 290 | MW-32-140 | 3/26/07 1514 | 508.1 | 43.3 | ND | | ND | |
| Q5948 | 290 | MW-32-140 | 3/28/07 1425 | 508.3 | 40.7 | ND | | ND | |
| Q6084 | 290 | MW-32-140 | 3/29/07 1359 | 508.1 | 34.1 | ND | | ND | |
| Q6233 | 290 | MW-32-140 | 4/2/07 1447 | 508.2 | 31.8 | ND | | ND | |
| Q6364 | 290 | MW-32-140 | 4/4/07 0957 | 508.2 | 28.7 | ND | | ND | |
| Q6459 | 290 | MW-32-140 | 4/6/07 1012 | 508.1 | 25.4 | ND | | ND | |
| Q6636 | 290 | MW-32-140 | 4/9/07 1145 | 508.1 | 20.2 | ND | | ND | |
| Q6778 | 290 | MW-32-140 | 4/11/07 1012 | 508.1 | 19.7 | ND | | ND | |
| Q7032 | 290 | MW-32-140 | 4/18/07 1025 | 508.2 | 23.0 | ND | | ND | |
| Q7179 | 290 | MW-32-140 | 4/23/07 0834 | 508.1 | 20.6 | ND | | ND | |
| Q7179R | 290 | MW-32-140 | 4/23/07 0834 | 508.2 | 20.5 | ND | | ND | |
| Q7624 | 290 | MW-32-140 | 5/4/07 0947 | 508.3 | 17.6 | ND | | ND | |
| Q8181 | 290 | MW-32-140 | 5/11/07 1010 | 508.2 | 12.6 | ND | | ND | |
| Q8181R | 290 | MW-32-140 | 5/11/07 1010 | 508.4 | 12.5 | ND | | ND | |
| R0027 | 290 | MW-32-140 | 6/14/07 1523 | 508.1 | 5.86 | ND | | ND | |
| R1675 | 290 | MW-32-140 | 7/13/07 1000 | 508.1 | 3.89 | ND | | ND | |
| R1675 | 290 | MW-32-140 | 7/13/07 1000 | 508.1 | 3.89 | ND | | ND | |
| **Q0839** | **300** | **MW-32-160** | **11/21/06 0820** | **ND** | | **ND** | | **ND** | |
| Q1071 | 300 | MW-32-160 | 11/28/06 0836 | ND | | ND | | ND | |
| Q1301 | 300 | MW-32-160 | 12/4/06 0920 | ND | | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q1963 | 300 | MW-32-160 | 1/18/07 1245 | ND | | ND | | ND | |
| Q2144 | 300 | MW-32-160 | 1/25/07 1308 | ND | | ND | | ND | |
| Q2289 | 300 | MW-32-165 | 2/7/07 0948 | ND | | ND | | ND | |
| Q2243 | 300 | MW-32-165 | 2/8/07 1430 | ND | | ND | | ND | |
| Q2267 | 300 | MW-32-165' | 2/9/07 1420 | ND | | ND | | ND | |
| Q2304 | 300 | MW-32-165 | 2/10/07 1122 | 508.3 | 36.9 | ND | | ND | |
| Q2323 | 300 | MW-32-165 | 2/11/07 0850 | 508.2 | 1,650 | ND | | ND | |
| Q2352 | 300 | MW-32-165 | 2/12/07 1118 | 508.3 | 3,850 | ND | | ND | |
| Q2352R | 300 | MW-32-165 | 2/12/07 1118 | 508.4 | 3,840 | ND | | ND | |
| Q2681 | 300 | MW-32-165 | 2/13/07 1033 | 508.5 | 4,160 | ND | | ND | |
| Q2708 | 300 | MW-32-165 | 2/14/07 1056 | 508.3 | 3,620 | ND | | ND | |
| Q2708R | 300 | MW-32-165 | 2/14/07 1056 | 508.3 | 3,620 | ND | | ND | |
| Q2979 | 300 | MW-32-165 | 2/15/07 1129 | 508.2 | 2,650 | ND | | ND | |
| Q2993 | 300 | MW-32-165 | 2/16/07 1052 | 508.4 | 1,970 | ND | | ND | |
| Q2993R | 300 | MW-32-165 | 2/16/07 1052 | 508.5 | 1,990 | ND | | ND | |
| Q3012 | 300 | MW-32-165 | 2/17/07 0827 | 508.3 | 1,590 | ND | | ND | |
| Q3031 | 300 | MW-32-165 | 2/18/07 0836 | 509.0 | 1,270 | ND | | ND | |
| Q3079 | 300 | MW32-165 | 2/19/07 0854 | 508.1 | 1,120 | ND | | ND | |
| Q3109 | 300 | MW-32-165 | 2/20/07 1116 | 508.3 | 926 | ND | | ND | |
| Q3132 | 300 | MW-32-165 | 2/21/07 1145 | 508.3 | 682 | ND | | ND | |
| Q3650 | 300 | MW-32-165 | 2/22/07 1400 | 508.3 | 605 | ND | | ND | |
| Q3627 | 300 | MW-32-165 | 2/23/07 1034 | 508.7 | 489 | ND | | ND | |
| Q3539 | 300 | MW-32-165 | 2/26/07 1054 | 508.5 | 121 | ND | | ND | |
| Q3671 | 300 | MW-32-165 | 2/27/07 1343 | 508.3 | 97.7 | ND | | ND | |
| Q3883 | 300 | MW-32-165 | 2/28/07 1342 | 508.3 | 92.9 | ND | | ND | |
| Q4009 | 300 | MW-32-165 | 3/1/07 1341 | 508.3 | 87.8 | ND | | ND | |
| Q4037 | 300 | MW-32-165 | 3/2/07 1334 | 508.3 | 72.4 | ND | | ND | |
| Q4065 | 300 | MW-32-165 | 3/5/07 1049 | 508.5 | 98.2 | ND | | ND | |
| Q4273 | 300 | MW-32-165 | 3/6/07 1353 | 508.6 | 110 | ND | | ND | |
| Q4524 | 300 | MW-32-165 | 3/7/07 1515 | 508.6 | 102 | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q4649 | 300 | MW-32-165 | 3/8/07 1058 | 508.7 | 102 | ND | | ND | |
| Q4667 | 300 | MW-32-165 | 3/9/07 1057 | 508.9 | 97.3 | ND | | ND | |
| Q4913 | 300 | MW-32-165 | 3/12/07 0845 | 508.4 | 105 | ND | | ND | |
| Q4941 | 300 | MW-32-165 | 3/13/07 1117 | 508.8 | 102 | ND | | ND | |
| Q4961 | 300 | MW-32-165 | 3/14/07 0904 | 509.1 | 98.3 | ND | | ND | |
| Q5250 | 300 | MW-32-165 | 3/15/07 1004 | 508.5 | 95.1 | ND | | ND | |
| Q5273 | 300 | MW-32-165 | 3/16/07 0806 | 508.4 | 94.8 | ND | | ND | |
| Q5306 | 300 | MW-32-165 | 3/19/07 1143 | 509.1 | 84.8 | ND | | ND | |
| Q5566 | 300 | MW-32-165 | 3/21/07 1439 | 508.5 | 79.5 | ND | | ND | |
| Q5631 | 300 | MW-32-165 | 3/23/07 1002 | 508.2 | 88.2 | ND | | ND | |
| Q5732 | 300 | MW-32-165 | 3/26/07 1516 | 508.1 | 75.3 | ND | | ND | |
| Q5949 | 300 | MW-32-165 | 3/28/07 1430 | 508.3 | 67.8 | ND | | ND | |
| Q6085 | 300 | MW-32-165 | 3/29/07 1403 | 508.3 | 62.4 | ND | | ND | |
| Q6234 | 300 | MW-32-165 | 4/2/07 1449 | 508.7 | 52.5 | ND | | ND | |
| Q6365 | 300 | MW-32-165 | 4/4/07 0958 | 508.5 | 51.8 | ND | | ND | |
| Q6461 | 300 | MW-32-165 | 4/6/07 1014 | 508.9 | 53.7 | ND | | ND | |
| Q6637 | 300 | MW-32-165 | 4/9/07 1147 | 508.1 | 48.3 | ND | | ND | |
| Q6779 | 300 | MW-32-165 | 4/11/07 1019 | 508.5 | 45.2 | ND | | ND | |
| Q7033 | 300 | MW-32-165 | 4/18/07 1026 | 508.3 | 38.2 | ND | | ND | |
| Q7181 | 300 | MW-32-165 | 4/23/07 0837 | 508.1 | 33.0 | ND | | ND | |
| Q7625 | 300 | MW-32-165 | 5/4/07 0949 | 508.2 | 28.6 | ND | | ND | |
| Q8182 | 300 | MW-32-165 | 5/11/07 1023 | 508.1 | 25.2 | ND | | ND | |
| R0028 | 300 | MW-32-165 | 6/14/07 1530 | 508.1 | 16.4 | ND | | ND | |
| R1676 | 300 | MW-32-165 | 7/13/07 1005 | 508.1 | 11.7 | ND | | ND | |
| R1676 | 300 | MW-32-165 | 7/13/07 1005 | 508.1 | 11.7 | ND | | ND | |
| **Q0841** | **310** | **MW-32-197** | **11/21/06 0820** | **ND** | | **ND** | | **ND** | |
| Q1072 | 310 | MW-32-197 | 11/28/06 0840 | ND | | ND | | ND | |
| Q1302 | 310 | MW-32-197 | 12/4/06 0928 | ND | | ND | | ND | |
| Q1964 | 310 | MW-32-197 | 1/18/07 1246 | ND | | ND | | ND | |
| Q2145 | 310 | MW-32-197 | 1/25/07 1310 | ND | | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q2145R | 310 | MW-32-197 | 1/25/07 1310 | ND | | ND | | ND | |
| Q2290 | 310 | MW-32-196 | 2/7/07 0945 | ND | | ND | | ND | |
| Q2244 | 310 | MW-32-196 | 2/8/07 1430 | ND | | ND | | ND | |
| Q2268 | 310 | MW-32-196 | 2/9/07 1423 | ND | | ND | | ND | |
| Q2305 | 310 | MW-32-196 | 2/10/07 1123 | ND | | ND | | ND | |
| Q2324 | 310 | MW-32-196 | 2/11/07 0852 | ND | | ND | | ND | |
| Q2353 | 310 | MW-32-196 | 2/12/07 1119 | ND | | ND | | ND | |
| Q2682 | 310 | MW-32-196 | 2/13/07 1057 | 505.6 (3) | 0.026 | ND | | ND | |
| Q2709 | 310 | MW-32-196 | 2/14/07 1057 | 508.5 | 1.41 | ND | | ND | |
| Q2981 | 310 | MW-32-196 | 2/15/07 1131 | 508.1 | 16.0 | ND | | ND | |
| Q2994 | 310 | MW-32-196 | 2/16/07 1053 | 508.7 | 74.5 | ND | | ND | |
| Q3013 | 310 | MW-32-196 | 2/17/07 0829 | 508.1 | 143 | ND | | ND | |
| Q3032 | 310 | MW-32-196 | 2/18/07 0839 | 508.3 | 247 | ND | | ND | |
| Q3081 | 310 | MW-32-196 | 2/19/07 0855 | 508.3 | 417 | ND | | ND | |
| Q3110 | 310 | MW-32-196 | 2/20/07 1122 | 508.4 | 385 | ND | | ND | |
| Q3133 | 310 | MW-32-196 | 2/21/07 1146 | 508.3 | 525 | ND | | ND | |
| Q3651 | 310 | MW-32-196 | 2/22/07 1405 | 508.4 | 581 | ND | | ND | |
| Q3628 | 310 | MW-32-196 | 2/23/07 1041 | 508.7 | 569 | ND | | ND | |
| Q3541 | 310 | MW-32-196 | 2/26/07 1056 | 508.3 | 621 | ND | | ND | |
| Q3672 | 310 | MW-32-196 | 2/27/07 1344 | 509.0 | 558 | ND | | ND | |
| Q3884 | 310 | MW-32-196 | 2/28/07 1343 | 508.3 | 543 | ND | | ND | |
| Q4010 | 310 | MW-32-196 | 3/1/07 1343 | 508.4 | 488 | ND | | ND | |
| Q4038 | 310 | MW-32-196 | 3/2/07 1334 | 508.2 | 380 | ND | | ND | |
| Q4066 | 310 | MW-32-196 | 3/5/07 1050 | 508.2 | 326 | ND | | ND | |
| Q4274 | 310 | MW-32-196 | 3/6/07 1356 | 508.4 | 297 | ND | | ND | |
| Q4525 | 310 | MW-32-196 | 3/7/07 1529 | 508.5 | 210 | ND | | ND | |
| Q4650 | 310 | MW-32-196 | 3/8/07 1059 | 508.7 | 168 | ND | | ND | |
| Q4668 | 310 | MW-32-196 | 3/9/07 1058 | 508.9 | 159 | ND | | ND | |
| Q4914 | 310 | MW-32-196 | 3/12/07 0846 | 508.3 | 160 | ND | | ND | |
| Q4942 | 310 | MW-32-196 | 3/13/07 1118 | 508.8 | 142 | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q4962 | 310 | MW-32-196 | 3/14/07 0906 | 509.1 | 145 | ND | | ND | |
| Q5251 | 310 | MW-32-196 | 3/15/07 1005 | 508.2 | 148 | ND | | ND | |
| Q5274 | 310 | MW-32-196 | 3/16/07 0807 | 508.2 | 140 | ND | | ND | |
| Q5307 | 310 | MW-32-196 | 3/19/07 1144 | 508.9 | 132 | ND | | ND | |
| Q5567 | 310 | MW-32-196 | 3/21/07 1440 | 508.5 | 135 | ND | | ND | |
| Q5632 | 310 | MW-32-196 | 3/23/07 1005 | 508.2 | 150 | ND | | ND | |
| Q5733 | 310 | MW-32-196 | 3/26/07 1518 | 508.1 | 147 | ND | | ND | |
| Q5950 | 310 | MW-32-196 | 3/28/07 1432 | 508.3 | 150 | ND | | ND | |
| Q6086 | 310 | MW-32-196 | 3/29/07 1405 | 508.2 | 131 | ND | | ND | |
| Q6235 | 310 | MW-32-196 | 4/2/07 1451 | 508.9 | 137 | ND | | ND | |
| Q6366 | 310 | MW-32-196 | 4/4/07 0959 | 508.3 | 141 | ND | | ND | |
| Q6462 | 310 | MW-32-196 | 4/6/07 1014 | 508.5 | 148 | ND | | ND | |
| Q6638 | 310 | MW-32-196 | 4/9/07 1149 | 508.1 | 156 | ND | | ND | |
| Q6781 | 310 | MW-32-196 | 4/11/07 1022 | 508.5 | 142 | ND | | ND | |
| Q7034 | 310 | MW-32-196 | 4/18/07 1028 | 508.3 | 129 | ND | | ND | |
| Q7182 | 310 | MW-32-196 | 4/23/07 0837 | 508.3 | 117 | ND | | ND | |
| Q7626 | 310 | MW-32-196 | 5/4/07 0951 | 508.3 | 109 | ND | | ND | |
| Q8183 | 310 | MW-32-196 | 5/11/07 1022 | 508.6 | 88.0 | ND | | ND | |
| R0029 | 310 | MW-32-196 | 6/14/07 1532 | 509.1 | 56.0 | ND | | ND | |
| R1677 | 310 | MW-32-196 | 7/13/07 1010 | 508.1 | 38.6 | ND | | ND | |
| R1677 | 310 | MW-32-196 | 7/13/07 1010 | 508.1 | 38.6 | ND | | ND | |
| **Q2284** | **320** | **MW-33** | **2/8/07 0842** | **507.2 *** | **0.055** | **ND** | | **ND** | |
| Q6021 | 320 | MW-33 | 2/12/07 0826 | 508.2 | 0.031 | ND | | ND | |
| Q6022 | 320 | MW-33 | 2/13/07 0759 | 508.0 | 0.041 | ND | | ND | |
| Q6023 | 320 | MW-33 | 2/14/07 0824 | 508.4 | 0.034 | ND | | ND | |
| Q5518 | 320 | MW-33 | 2/16/07 0800 | 509.0 * | 0.036 | ND | | ND | |
| Q5519 | 320 | MW-33 | 2/19/07 0910 | 507.2 * | 0.034 | ND | | ND | |
| Q5521 | 320 | MW-33 | 2/21/07 0904 | 510.0 * | 0.038 | ND | | ND | |
| Q5522 | 320 | MW-33 | 2/23/07 0813 | 508.3 | 1.95 | ND | | ND | |
| Q3978 | 320 | MW-33 | 2/26/07 0915 | 508.9 | 2.60 | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q6024 | 320 | MW-33 | 2/28/07 0926 | 508.0 | 3.64 | ND | | ND | |
| Q4629 | 320 | MW-33 | 3/2/07 0853 | 508.3 | 6.01 | ND | | ND | |
| Q4630 | 320 | MW-33 | 3/5/07 0857 | 508.3 | 6.55 | ND | | ND | |
| Q4869 | 320 | MW-33 | 3/7/07 0935 | 508.2 | 6.05 | ND | | ND | |
| Q4888 | 320 | MW-33 | 3/9/07 0811 | 508.6 | 5.95 | ND | | ND | |
| Q4925 | 320 | MW-33 | 3/12/07 0827 | 508.1 | 5.38 | ND | | ND | |
| Q5233 | 320 | MW-33 | 3/14/07 0848 | 508.6 | 4.99 | ND | | ND | |
| Q6025 | 320 | MW-33 | 3/16/07 0750 | 508.0 | 4.44 | ND | | ND | |
| Q6026 | 320 | MW-33 | 3/20/07 0750 | 508.2 | 3.92 | ND | | ND | |
| Q6027 | 320 | MW-33 | 3/23/07 0800 | 508.0 | 3.58 | ND | | ND | |
| Q6028 | 320 | MW-33 | 3/26/07 0916 | 508.2 | 3.29 | ND | | ND | |
| Q6417 | 320 | MW-33 | 3/29/07 0837 | 508.5 | 2.99 | ND | | ND | |
| Q6597 | 320 | MW-33 | 4/2/07 0834 | 508.5 | 2.69 | ND | | ND | |
| Q6815 | 320 | MW-33 | 4/6/07 0828 | 508.4 | 2.41 | ND | | ND | |
| Q7013 | 320 | MW-33 | 4/10/07 0907 | 508.5 | 2.11 | ND | | ND | |
| Q7114 | 320 | MW-33 | 4/17/07 1139 | 508.3 | 1.51 | ND | | ND | |
| Q7535 | 320 | MW-33 | 4/24/07 0809 | 508.5 | 1.36 | ND | | ND | |
| Q7941 | 320 | MW-33 | 5/1/07 0801 | 508.4 | 1.22 | ND | | ND | |
| Q8115 | 320 | MW-33 | 5/9/07 1443 | 508.2 | 1.02 | ND | | ND | |
| R0030 | 320 | MW-33 | 6/13/07 1235 | 508.3 | 0.931 | ND | | ND | |
| R1943 | 320 | MW-33 | 8/3/07 0900 | 508.3 | 0.468 | ND | | ND | |
| **Q7491** | **330** | **MW-34** | **12/4/06 1115** | **507.4 *** | **0.040** | **ND** | | **ND** | |
| Q7492 | 330 | MW-34 | 1/15/07 1330 | 507.2 * | 0.063 | ND | | ND | |
| Q7493 | 330 | MW-34 | 2/1/07 0953 | 506.7 * | 0.180 | ND | | ND | |
| Q7494 | 330 | MW-34 | 2/8/07 0848 | 508.2 * | 0.028 | ND | | ND | |
| Q7436 | 330 | MW-34 | 3/23/07 0805 | 508.2 * | 0.042 | ND | | ND | |
| Q7437 | 330 | MW-34 | 3/26/07 0905 | 508.0 * | 0.074 | ND | | ND | |
| Q7438 | 330 | MW-34 | 3/29/07 1120 | 507.8 * | 0.058 | ND | | ND | |
| Q7432 | 330 | MW-34 | 4/2/07 0834 | 508.0 * | 0.073 | ND | | ND | |
| Q7431 | 330 | MW-34 | 4/6/07 0819 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Recovered | Fluorescein Results Peak nm | Fluorescein Results Conc. ppb | Eosine Results Peak nm | Eosine Results Conc. ppb | RWT Results Peak nm | RWT Results Conc. ppb |
|---|---|---|---|---|---|---|---|---|---|
| Q7430 | 330 | MW-34 | 4/10/07 0912 | 508.0 * | 0.054 | ND | | ND | |
| Q7429 | 330 | MW-34 | 4/17/07 1145 | 509.6 * | 0.037 | ND | | ND | |
| **Q7495** | **340** | **MW-35** | **12/4/06 1120** | **503.6 *** | **0.081** | **ND** | | **ND** | |
| Q7496 | 340 | MW-35 | 1/15/07 1335 | 507.0 * | 0.096 | ND | | ND | |
| Q7497 | 340 | MW-35 | 2/1/07 1359 | 507.4 * | 0.095 | ND | | ND | |
| Q7498 | 340 | MW-35 | 2/8/07 1000 | 508.3 * | 0.084 | ND | | ND | |
| Q7439 | 340 | MW-35 | 3/23/07 0807 | 507.8 * | 0.074 | ND | | ND | |
| Q7441 | 340 | MW-35 | 3/26/07 0859 | 507.8 * | 0.100 | ND | | ND | |
| Q7442 | 340 | MW-35 | 3/29/07 1136 | 505.2 * | 0.086 | ND | | ND | |
| Q7435 | 340 | MW-35 | 4/2/07 0834 | 506.6 * | 0.126 | ND | | ND | |
| Q7434 | 340 | MW-35 | 4/6/07 0819 | 507.2 * | 0.143 | ND | | ND | |
| Q7433 | 340 | MW-35 | 4/9/07 0923 | 507.6 * | 0.131 | ND | | ND | |
| Q7111 | 340 | MW-35 | 4/17/07 1153 | 507.4 * | 0.112 | ND | | ND | |
| **Q7427** | **360** | **MW-36-41** | **4/23/07 1044** | **ND** | | **ND** | | **ND** | |
| Q7794 | 360 | MW-36-41 | 4/30/07 0827 | 508.0 | 0.054 | ND | | ND | |
| **Q5523** | **380** | **MW-37-22** | **2/21/07 0957** | **ND** | | **ND** | | **ND** | |
| Q5524 | 380 | MW-37-22 | 2/23/07 0825 | ND | | ND | | ND | |
| Q5525 | 380 | MW-37-22 | 2/26/07 0935 | ND | | ND | | ND | |
| Q5526 | 380 | MW-37-22 | 2/28/07 0948 | 508.6 | 0.274 | ND | | ND | |
| Q4631 | 380 | MW-37-22 | 3/2/07 0804 | 508.3 | 1.06 | ND | | ND | |
| Q4632 | 380 | MW-37-22 | 3/5/07 0912 | 508.4 | 3.52 | ND | | ND | |
| Q4870 | 380 | MW-37-22 | 3/7/07 1040 | 508.1 | 11.2 | ND | | ND | |
| Q4889 | 380 | MW-37-22 | 3/9/07 0830 | 508.5 | 13.8 | ND | | ND | |
| Q4926 | 380 | MW-37-22 | 3/12/07 0837 | 508.2 | 19.2 | ND | | ND | |
| Q5234 | 380 | MW-37-22 | 3/14/07 0916 | 508.8 | 21.6 | ND | | ND | |
| Q6029 | 380 | MW-37-22 | 3/16/07 0805 | 508.4 | 22.0 | ND | | ND | |
| Q6030 | 380 | MW-37-22 | 3/19/07 0842 | 508.2 | 17.1 | ND | | ND | |
| Q6031 | 380 | MW-37-22 | 3/23/07 0814 | 508.2 | 25.1 | ND | | ND | |
| Q6032 | 380 | MW-37-22 | 3/26/07 0930 | 508.0 | 26.8 | ND | | ND | |
| Q6418 | 380 | MW-37-22 | 3/29/07 0848 | 508.4 | 29.9 | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q6598 | 380 | MW-37-22 | 4/2/07 0849 | 508.5 | 26.5 | ND | | ND | |
| Q6816 | 380 | MW-37-22 | 4/6/07 0841 | 508.4 | 24.9 | ND | | ND | |
| Q7014 | 380 | MW-37-22 | 4/10/07 0840 | 508.3 | 46.8 | ND | | ND | |
| Q7115 | 380 | MW-37-22 | 4/16/07 1005 | 508.4 | 24.5 | ND | | ND | |
| Q7817 | 380 | MW-37-22 | 5/1/07 0903 | 508.4 | 11.8 | ND | | ND | |
| Q8116 | 380 | MW-37-22 | 5/9/07 1512 | 508.3 | 6.97 | ND | | ND | |
| **Q6033** | **390** | **MW-37-32** | **2/26/07 0935** | **ND** | | **ND** | | **ND** | |
| Q5534 | 390 | MW-37-32 | 2/28/07 0952 | ND | | ND | | ND | |
| Q5535 | 390 | MW-37-32 | 3/2/07 0808 | ND | | ND | | ND | |
| Q5536 | 390 | MW-37-32 | 3/5/07 0917 | ND | | ND | | ND | |
| Q4871 | 390 | MW-37-32 | 3/7/07 1043 | 508.1 ** | 0.328 | ND | | ND | |
| Q6034 | 390 | MW-37-32 | 3/9/07 0835 | 507.8 ** | 0.283 | ND | | ND | |
| Q4927 | 390 | MW-37-32 | 3/12/07 0845 | 508.3 | 0.376 | ND | | ND | |
| Q5235 | 390 | MW-37-32 | 3/14/07 0920 | 508.3 | 0.217 | ND | | ND | |
| Q6035 | 390 | MW-37-32 | 3/16/07 0808 | 507.8 ** | 0.906 | ND | | ND | |
| Q6035R | 390 | MW-37-32 | 3/16/07 0808 | 508.2 | 0.890 | ND | | ND | |
| Q6036 | 390 | MW-37-32 | 3/19/07 0847 | 508.2 | 0.883 | ND | | ND | |
| Q6037 | 390 | MW-37-32 | 3/23/07 0820 | 508.3 | 1.27 | ND | | ND | |
| Q6038 | 390 | MW-37-32 | 3/26/07 0935 | 508.2 | 1.16 | ND | | ND | |
| Q6419 | 390 | MW-37-32 | 3/29/07 0852 | 508.4 | 1.02 | ND | | ND | |
| Q6419R | 390 | MW-37-32 | 3/29/07 0852 | 508.4 | 1.04 | ND | | ND | |
| **Q4024** | **441** | **MW-39A (70')** | **3/1/07 1424** | **ND** | | **ND** | | **ND** | |
| Q5288 | 441 | MW-39A (70') | 3/14/07 1530 | ND | | ND | | ND | |
| Q5964 | 441 | MW-39A (70') | 3/28/07 1030 | ND | | ND | | ND | |
| Q6761 | 441 | MW-39A (70') | 4/11/07 1430 | ND | | ND | | ND | |
| Q6761R | 441 | MW-39A (70') | 4/11/07 1430 | ND | | ND | | ND | |
| **Q7648** | **442** | **MW-39-69** | **5/3/07 1325** | **ND** | | **ND** | | **ND** | |
| Q8158 | 442 | MW-39-69 | 5/11/07 1228 | ND | | ND | | ND | |
| Q8663 | 442 | MW-39-69 | 5/21/07 1205 | ND | | ND | | ND | |
| Q8669 | 442 | MW-39-69 | 5/21/07 1328 | ND | | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q8673 | 442 | MW-39-69 | 5/22/07 0919 | ND | | ND | | ND | |
| **Q4025** | **451** | **MW-39B (87')** | **3/1/07 1430** | **ND** | | **ND** | | **ND** | |
| Q5289 | 451 | MW-39B (87') | 3/14/07 1534 | ND | | ND | | ND | |
| Q5965 | 451 | MW-39B (87') | 3/28/07 1032 | ND | | ND | | ND | |
| Q6762 | 451 | MW-39B (87') | 4/11/07 1435 | ND | | ND | | ND | |
| **Q7649** | **452** | **MW-39-85** | **5/3/07 1321** | **ND** | | **ND** | | **ND** | |
| Q8159 | 452 | MW-39-85 | 5/11/07 1235 | ND | | ND | | ND | |
| Q8159R | 452 | MW-39-85 | 5/11/07 1235 | ND | | ND | | ND | |
| Q8664 | 452 | MW-39-85 | 5/21/07 1306 | ND | | ND | | ND | |
| Q8670 | 452 | MW-39-85 | 5/21/07 1444 | ND | | ND | | ND | |
| Q8674 | 452 | MW-39-85 | 5/22/07 0846 | ND | | ND | | ND | |
| **Q4026** | **461** | **MW-39C (104')** | **3/1/07 1435** | **ND** | | **ND** | | **ND** | |
| Q5290 | 461 | MW-39C (104') | 3/14/07 1535 | ND | | ND | | ND | |
| Q5966 | 461 | MW-39C (104') | 3/28/07 1042 | ND | | ND | | ND | |
| Q6763 | 461 | MW-39C (104') | 4/11/07 1440 | ND | | ND | | ND | |
| **Q7650** | **462** | **MW-39-102** | **5/3/07 1319** | **ND** | | **ND** | | **ND** | |
| Q8161 | 462 | MW-39-102 | 5/11/07 1122 | ND | | ND | | ND | |
| Q8665 | 462 | MW-39-103 | 5/21/07 1127 | ND | | ND | | ND | |
| Q8671 | 462 | MW-39-103 | 5/21/07 1351 | ND | | ND | | ND | |
| Q8675 | 462 | MW-39-103 | 5/22/07 0847 | ND | | ND | | ND | |
| **Q7651** | **463** | **MW-39-126** | **5/3/07 1335** | **ND** | | **ND** | | **ND** | |
| Q8162 | 463 | MW-39-126 | 5/11/07 1202 | ND | | ND | | ND | |
| Q8666 | 463 | MW-39-126 | 5/21/07 1130 | ND | | ND | | ND | |
| Q8672 | 463 | MW-39-126 | 5/21/07 1312 | ND | | ND | | ND | |
| Q8676 | 463 | MW-39-126 | 5/22/07 0853 | ND | | ND | | ND | |
| **Q7652** | **464** | **MW-39-184** | **5/3/07 1336** | **ND** | | **ND** | | **ND** | |
| Q8163 | 464 | MW-39-184 | 5/11/07 1140 | ND | | ND | | ND | |
| Q8667 | 464 | MW-39-184 | 5/21/07 1220 | ND | | ND | | ND | |
| Q8677 | 464 | MW-39-184 | 5/22/07 0855 | ND | | ND | | ND | |
| **Q7653** | **465** | **MW-39-197** | **5/3/07 1352** | **ND** | | **ND** | | **ND** | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q8164 | 465 | MW-39-197 | 5/11/07 1218 | ND | | ND | | ND | |
| Q8668 | 465 | MW-39-197 | 5/21/07 1320 | ND | | ND | | ND | |
| Q8678 | 465 | MW-39-197 | 5/22/07 1050 | ND | | ND | | ND | |
| **Q4027** | **471** | **MW-39D (141')** | **3/1/07 1442** | **ND** | | **ND** | | **ND** | |
| Q5291 | 471 | MW-39D (141') | 3/14/07 1537 | ND | | ND | | ND | |
| Q5967 | 471 | MW-39D (141') | 3/28/07 1037 | ND | | ND | | ND | |
| Q6764 | 471 | MW-39D (141') | 4/11/07 1445 | ND | | ND | | ND | |
| **Q4028** | **472** | **MW-39E (197')** | **3/1/07 1450** | **ND** | | **ND** | | **ND** | |
| Q5292 | 472 | MW-39E (197') | 3/14/07 1539 | ND | | ND | | ND | |
| Q5968 | 472 | MW-39E (197') | 3/28/07 1043 | ND | | ND | | ND | |
| Q6765 | 472 | MW-39E (197') | 4/11/07 1450 | ND | | ND | | ND | |
| **Q6039** | **480** | **MW-42-51** | **12/6/06 1327** | **507.4 *** | **0.075** | **ND** | | **ND** | |
| Q6039V | 480 | MW-42-51 | 12/6/06 1327 | 508.2 * | 0.079 | ND | | ND | |
| Q6041 | 480 | MW-42-51 | 1/24/07 1307 | ND | | ND | | ND | |
| Q5527 | 480 | MW-42-51 | 2/15/07 0825 | 508.4 | 1.92 | ND | | ND | |
| Q4613 | 480 | MW-42-51 | 3/1/07 1510 | 508.7 | 1.46 | ND | | ND | |
| Q4614 | 480 | MW-42-51 | 3/2/07 1332 | 508.4 | 0.667 | ND | | ND | |
| Q4615 | 480 | MW-42-51 | 3/5/07 1345 | 508.0 | 0.208 | ND | | ND | |
| Q4873 | 480 | MW-42-51 | 3/7/07 1540 | 508.2 | 0.217 | ND | | ND | |
| Q4891 | 480 | MW-42-51 | 3/9/07 1151 | 508.6 | 0.153 | ND | | ND | |
| Q4929 | 480 | MW-42-51 | 3/12/07 1253 | 507.0 ** | 0.169 | ND | | ND | |
| Q5236 | 480 | MW-42-51 | 3/14/07 1352 | 508.9 | 0.112 | ND | | ND | |
| Q6042 | 480 | MW-42-51 | 3/16/07 1145 | 507.4 ** | 0.174 | ND | | ND | |
| Q6043 | 480 | MW-42-51 | 3/20/07 0917 | 507.2 ** | 0.126 | ND | | ND | |
| Q6044 | 480 | MW-42-51 | 3/23/07 1310 | 508.0 | 0.037 | ND | | ND | |
| Q6045 | 480 | MW-42-51 | 3/26/07 1334 | 507.4 ** | 0.093 | ND | | ND | |
| Q6421 | 480 | MW-42-51 | 3/29/07 1300 | ND | | ND | | ND | |
| Q6599 | 480 | MW-42-51 | 4/2/07 1255 | 508.8 | 0.340 | ND | | ND | |
| Q6599R | 480 | MW-42-51 | 4/2/07 1255 | 509.2 | 0.327 | ND | | ND | |
| Q6817 | 480 | MW-42-51 | 4/6/07 1254 | 508.7 | 0.135 | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q7015 | 480 | MW-42-51 | 4/10/07 1129 | 509.4 | 0.139 | ND | | ND | |
| Q7116 | 480 | MW-42-51 | 4/17/07 1356 | ND | | ND | | ND | |
| Q7536 | 480 | MW-42-51 | 4/24/07 0737 | 509.2 (2) | 0.162 | ND | | ND | |
| Q7818 | 480 | MW-42-51 | 5/1/07 0950 | 508.6 | 0.086 | ND | | ND | |
| Q8389 | 480 | MW-42-51 | 5/10/07 0918 | 509.4 | 0.045 | ND | | ND | |
| **Q6046** | **490** | **MW-42-79** | **12/6/06 1310** | **ND** | | **ND** | | **ND** | |
| Q6047 | 490 | MW-42-79 | 1/24/07 1314 | ND | | ND | | ND | |
| Q3359 | 490 | MW-42-79 | 2/15/07 0830 | 508.8 | 0.157 | ND | | ND | |
| Q4616 | 490 | MW-42-79 | 3/1/07 1515 | 508.5 | 0.101 | ND | | ND | |
| Q4617 | 490 | MW-42-79 | 3/2/07 1338 | 508.7 | 0.155 | ND | | ND | |
| Q4618 | 490 | MW-42-79 | 3/5/07 1350 | 508.4 | 0.681 | ND | | ND | |
| Q4874 | 490 | MW-42-79 | 3/7/07 1548 | 508.3 | 1.73 | ND | | ND | |
| Q4892 | 490 | MW-42-79 | 3/9/07 1200 | 508.5 | 1.28 | ND | | ND | |
| Q4930 | 490 | MW-42-79 | 3/12/07 1303 | 508.1 | 1.24 | ND | | ND | |
| Q5237 | 490 | MW-42-79 | 3/14/07 1358 | 508.5 | 0.980 | ND | | ND | |
| Q6048 | 490 | MW-42-79 | 3/16/07 1151 | 507.6 ** | 0.717 | ND | | ND | |
| Q6049 | 490 | MW-42-79 | 3/20/07 0920 | 508.0 | 0.595 | ND | | ND | |
| Q6050 | 490 | MW-42-79 | 3/23/07 1318 | 508.2 | 0.682 | ND | | ND | |
| Q6051 | 490 | MW-42-79 | 3/26/07 1341 | 508.0 | 0.151 | ND | | ND | |
| Q6422 | 490 | MW-42-79 | 3/29/07 1307 | 508.6 | 0.569 | ND | | ND | |
| Q6601 | 490 | MW-42-79 | 4/2/07 1308 | 508.1 | 0.507 | ND | | ND | |
| Q6818 | 490 | MW-42-79 | 4/6/07 1303 | 508.6 | 0.265 | ND | | ND | |
| Q7016 | 490 | MW-42-79 | 4/10/07 1134 | ND | | ND | | ND | |
| Q7117 | 490 | MW-42-79 | 4/17/07 1401 | 508.3 | 0.431 | ND | | ND | |
| Q7537 | 490 | MW-42-79 | 4/24/07 0742 | 508.4 | 0.302 | ND | | ND | |
| Q7819 | 490 | MW-42-79 | 5/1/07 0953 | 508.4 | 0.293 | ND | | ND | |
| Q8390 | 490 | MW-42-79 | 5/10/07 0922 | 508.0 | 0.366 | ND | | ND | |
| **Q2291** | **560** | **MW-49-42** | **2/10/07 0954** | **ND** | | **ND** | | **ND** | |
| Q8388 | 560 | MW-49-42 | 5/9/07 0746 | ND | | ND | | ND | |
| **Q8150** | **610** | **MW-52-19** | **5/11/07 1026** | **ND** | | **ND** | | **ND** | |

Results

Water Samples

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| **Q2123** | **611** | **MW-52-32** | **2/2/07 1119** | **ND** | | **ND** | | **ND** | |
| Q2245 | 611 | MW-52-32 | 2/8/07 1423 | ND | | ND | | ND | |
| Q2269 | 611 | MW-52-32 | 2/9/07 0912 | ND | | ND | | ND | |
| Q2306 | 611 | MW-52-32 | 2/10/07 1310 | ND | | ND | | ND | |
| Q2325 | 611 | MW-52-32 | 2/11/07 1503 | ND | | ND | | ND | |
| Q2354 | 611 | MW-52-32 | 2/12/07 1425 | ND | | ND | | ND | |
| Q2683 | 611 | MW-52-32 | 2/13/07 1500 | ND | | ND | | ND | |
| Q2710 | 611 | MW-52-32 | 2/14/07 1350 | ND | | ND | | ND | |
| Q2982 | 611 | MW-52-32 | 2/15/07 1403 | ND | | ND | | ND | |
| Q2995 | 611 | MW-52-32 | 2/16/07 1015 | ND | | ND | | ND | |
| Q3014 | 611 | MW-52-32 | 2/17/07 1254 | ND | | ND | | ND | |
| Q3014R | 611 | MW-52-32 | 2/17/07 1254 | ND | | ND | | ND | |
| Q3033 | 611 | MW-52-32 | 2/18/07 1218 | ND | | ND | | ND | |
| Q3082 | 611 | MW-52-32 | 2/19/07 1352 | ND | | ND | | ND | |
| Q3111 | 611 | MW-52-32 | 2/20/07 1315 | ND | | ND | | ND | |
| Q3134 | 611 | MW-52-32 | 2/21/07 1335 | ND | | ND | | ND | |
| Q3652 | 611 | MW-52-32 | 2/22/07 1035 | ND | | ND | | ND | |
| Q3629 | 611 | MW-52-32 | 2/23/07 0945 | ND | | ND | | ND | |
| Q3542 | 611 | MW-52-32 | 2/26/07 1340 | ND | | ND | | ND | |
| Q3673 | 611 | MW-52-32 | 2/27/07 0820 | ND | | ND | | ND | |
| Q3885 | 611 | MW-52-32 | 2/28/07 0902 | ND | | ND | | ND | |
| Q4011 | 611 | MW-52-32 | 3/1/07 0931 | ND | | ND | | ND | |
| Q4039 | 611 | MW-52-32 | 3/2/07 0920 | ND | | ND | | ND | |
| Q4039R | 611 | MW-52-32 | 3/2/07 0920 | ND | | ND | | ND | |
| Q4067 | 611 | MW-52-32 | 3/5/07 1430 | ND | | ND | | ND | |
| Q4275 | 611 | MW-52-32 | 3/6/07 0940 | ND | | ND | | ND | |
| Q4526 | 611 | MW-52-32 | 3/7/07 1354 | ND | | ND | | ND | |
| Q4526R | 611 | MW-52-32 | 3/7/07 1354 | ND | | ND | | ND | |
| Q4651 | 611 | MW-52-32 | 3/8/07 0949 | ND | | ND | | ND | |
| Q4943 | 611 | MW-52-32 | 3/13/07 1353 | ND | | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q4963 | 611 | MW-52-32 | 3/14/07 1042 | ND | | ND | | ND | |
| Q5252 | 611 | MW-52-32 | 3/15/07 1031 | ND | | ND | | ND | |
| Q5275 | 611 | MW-52-32 | 3/16/07 0924 | ND | | ND | | ND | |
| Q5308 | 611 | MW-52-32 | 3/19/07 1405 | ND | | ND | | ND | |
| Q5308R | 611 | MW-52-32 | 3/19/07 1405 | ND | | ND | | ND | |
| Q5568 | 611 | MW-52-32 | 3/21/07 0949 | ND | | ND | | ND | |
| Q5633 | 611 | MW-52-32 | 3/23/07 1405 | ND | | ND | | ND | |
| Q5734 | 611 | MW-52-32 | 3/26/07 1140 | ND | | ND | | ND | |
| Q5951 | 611 | MW-52-32 | 3/28/07 0847 | ND | | ND | | ND | |
| Q6087 | 611 | MW-52-32 | 3/29/07 1445 | ND | | ND | | ND | |
| Q6236 | 611 | MW-52-32 | 4/2/07 0959 | ND | | ND | | ND | |
| Q6367 | 611 | MW-52-32 | 4/4/07 1122 | ND | | ND | | ND | |
| Q6463 | 611 | MW-52-32 | 4/6/07 0810 | ND | | ND | | ND | |
| Q6639 | 611 | MW-52-32 | 4/9/07 1408 | ND | | ND | | ND | |
| Q6782 | 611 | MW-52-32 | 4/11/07 0821 | ND | | ND | | ND | |
| Q6766 | 611 | MW-52-32 | 4/13/07 1020 | ND | | ND | | ND | |
| **Q8679** | **612** | **MW-52-19** | **5/23/07 1047** | **ND** | | **ND** | | **ND** | |
| Q8679R | 612 | MW-52-19 | 5/23/07 1047 | ND | | ND | | ND | |
| Q8686 | 612 | MW-52-19 | 5/23/07 1527 | ND | | ND | | ND | |
| Q8690 | 612 | MW-52-19 | 5/24/07 1043 | ND | | ND | | ND | |
| **Q8681** | **613** | **MW-52-50** | **5/23/07 1049** | **ND** | | **ND** | | **ND** | |
| Q8687 | 613 | MW-52-50 | 5/23/07 1344 | ND | | ND | | ND | |
| Q8691 | 613 | MW-52-50 | 5/24/07 1134 | 510.0 * | 0.019 | ND | | ND | |
| **Q8682** | **614** | **MW-52-66** | **5/23/07 1116** | **ND** | | **ND** | | **ND** | |
| Q8692 | 614 | MW-52-66 | 5/24/07 1443 | ND | | ND | | ND | |
| **Q8151** | **620** | **MW-52-50** | **5/11/07 1028** | **ND** | | **ND** | | **ND** | |
| **Q2124** | **621** | **MW-52-69** | **2/2/07 1123** | **ND** | | **ND** | | **ND** | |
| Q2246 | 621 | MW-52-69 | 2/8/07 1328 | ND | | ND | | ND | |
| Q2270 | 621 | MW-52-69 | 2/9/07 0854 | ND | | ND | | ND | |
| Q2307 | 621 | MW-52-69 | 2/10/07 1310 | ND | | ND | | ND | |

Results
Water Samples

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q2326 | 621 | MW-52-69 | 2/11/07 1458 | ND | | ND | | ND | |
| Q2355 | 621 | MW-52-69 | 2/12/07 1427 | ND | | ND | | ND | |
| Q2684 | 621 | MW-52-69 | 2/13/07 1502 | ND | | ND | | ND | |
| Q2711 | 621 | MW-52-69 | 2/14/07 1351 | ND | | ND | | ND | |
| Q2983 | 621 | MW-52-69 | 2/15/07 1406 | ND | | ND | | ND | |
| Q2996 | 621 | MW-52-69 | 2/16/07 1035 | ND | | ND | | ND | |
| Q3015 | 621 | MW-52-69 | 2/17/07 1255 | ND | | ND | | ND | |
| Q3034 | 621 | MW-52-69 | 2/18/07 1219 | ND | | ND | | ND | |
| Q3083 | 621 | MW-52-69 | 2/19/07 1356 | ND | | ND | | ND | |
| Q3112 | 621 | MW-52-69 | 2/20/07 1313 | ND | | ND | | ND | |
| Q3135 | 621 | MW-52-69 | 2/21/07 1336 | ND | | ND | | ND | |
| Q3653 | 621 | MW-52-69 | 2/22/07 1040 | ND | | ND | | ND | |
| Q3630 | 621 | MW-52-69 | 2/23/07 0947 | ND | | ND | | ND | |
| Q3543 | 621 | MW-52-69 | 2/26/07 1342 | ND | | ND | | ND | |
| Q3674 | 621 | MW-52-69 | 2/27/07 0822 | ND | | ND | | ND | |
| Q3886 | 621 | MW-52-69 | 2/28/07 0904 | ND | | ND | | ND | |
| Q4012 | 621 | MW-52-69 | 3/1/07 0934 | ND | | ND | | ND | |
| Q4041 | 621 | MW-52-69 | 3/2/07 0925 | ND | | ND | | ND | |
| Q4068 | 621 | MW-52-69 | 3/5/07 1433 | ND | | ND | | ND | |
| Q4276 | 621 | MW-52-69 | 3/6/07 0941 | ND | | ND | | ND | |
| Q4527 | 621 | MW-52-69 | 3/7/07 1358 | ND | | ND | | ND | |
| Q4652 | 621 | MW-52-69 | 3/8/07 0957 | ND | | ND | | ND | |
| Q4944 | 621 | MW-52-69 | 3/13/07 1410 | ND | | ND | | ND | |
| Q4964 | 621 | MW-52-69 | 3/14/07 1037 | ND | | ND | | ND | |
| Q5253 | 621 | MW-52-69 | 3/15/07 1033 | ND | | ND | | ND | |
| Q5276 | 621 | MW-52-69 | 3/16/07 0926 | ND | | ND | | ND | |
| Q5309 | 621 | MW-52-69 | 3/19/07 1406 | ND | | ND | | ND | |
| Q5569 | 621 | MW-52-69 | 3/21/07 0949 | ND | | ND | | ND | |
| Q5634 | 621 | MW-52-69 | 3/23/07 1410 | ND | | ND | | ND | |
| Q5735 | 621 | MW-52-69 | 3/26/07 1143 | ND | | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q5952 | 621 | MW-52-69 | 3/28/07 0848 | ND | | ND | | ND | |
| Q6088 | 621 | MW-52-69 | 3/29/07 1447 | ND | | ND | | ND | |
| Q6237 | 621 | MW-52-69 | 4/2/07 1000 | ND | | ND | | ND | |
| Q6368 | 621 | MW-52-69 | 4/4/07 1123 | ND | | ND | | ND | |
| Q6464 | 621 | MW-52-69 | 4/6/07 0811 | ND | | ND | | ND | |
| Q6641 | 621 | MW-52-69 | 4/9/07 1406 | ND | | ND | | ND | |
| Q6783 | 621 | MW-52-69 | 4/11/07 0818 | ND | | ND | | ND | |
| Q6767 | 621 | MW-52-69 | 4/13/07 1022 | ND | | ND | | ND | |
| **Q8152** | **625** | **MW-52-66** | **5/11/07 1052** | **ND** | | **ND** | | **ND** | |
| **Q2125** | **626** | **MW-52-99** | **2/2/07 1126** | **ND** | | **ND** | | **ND** | |
| Q2247 | 626 | MW-52-99 | 2/8/07 1330 | ND | | ND | | ND | |
| Q2271 | 626 | MW-52-99 | 2/9/07 0856 | ND | | ND | | ND | |
| Q2308 | 626 | MW-52-99 | 2/10/07 1330 | ND | | ND | | ND | |
| Q2327 | 626 | MW-52-99 | 2/11/07 1437 | ND | | ND | | ND | |
| Q2356 | 626 | MW-52-99 | 2/12/07 1427 | ND | | ND | | ND | |
| Q2685 | 626 | MW-52-99 | 2/13/07 1503 | ND | | ND | | ND | |
| Q2712 | 626 | MW-52-99 | 2/14/07 1352 | ND | | ND | | ND | |
| Q2984 | 626 | MW-52-99 | 2/15/07 1405 | ND | | ND | | ND | |
| Q2997 | 626 | MW-52-99 | 2/16/07 1040 | ND | | ND | | ND | |
| Q3016 | 626 | MW-52-99 | 2/17/07 1257 | ND | | ND | | ND | |
| Q3035 | 626 | MW-52-99 | 2/18/07 1220 | ND | | ND | | ND | |
| Q3035R | 626 | MW-52-99 | 2/18/07 1220 | ND | | ND | | ND | |
| Q3084 | 626 | MW-52-99 | 2/19/07 1354 | ND | | ND | | ND | |
| Q3113 | 626 | MW-52-99 | 2/20/07 1319 | ND | | ND | | ND | |
| Q3136 | 626 | MW-52-99 | 2/21/07 1337 | ND | | ND | | ND | |
| Q3654 | 626 | MW-52-99 | 2/22/07 1045 | ND | | ND | | ND | |
| Q3631 | 626 | MW-52-99 | 2/23/07 0950 | ND | | ND | | ND | |
| Q3544 | 626 | MW-52-99 | 2/26/07 1344 | ND | | ND | | ND | |
| Q3675 | 626 | MW-52-99 | 2/27/07 0822 | ND | | ND | | ND | |
| Q3887 | 626 | MW-52-99 | 2/28/07 0904 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q4013 | 626 | MW-52-99 | 3/1/07 0935 | ND | | ND | | ND | |
| Q4042 | 626 | MW-52-99 | 3/2/07 0926 | ND | | ND | | ND | |
| Q4069 | 626 | MW-52-99 | 3/5/07 1436 | ND | | ND | | ND | |
| Q4277 | 626 | MW-52-99 | 3/6/07 0946 | ND | | ND | | ND | |
| Q4528 | 626 | MW-52-99 | 3/7/07 1359 | ND | | ND | | ND | |
| Q4653 | 626 | MW-52-99 | 3/8/07 1002 | ND | | ND | | ND | |
| Q4945 | 626 | MW-52-99 | 3/13/07 1417 | ND | | ND | | ND | |
| Q4965 | 626 | MW-52-99 | 3/14/07 1039 | ND | | ND | | ND | |
| Q5254 | 626 | MW-52-99 | 3/15/07 1034 | ND | | ND | | ND | |
| Q5277 | 626 | MW-52-99 | 3/16/07 0930 | ND | | ND | | ND | |
| Q5310 | 626 | MW-52-99 | 3/19/07 1407 | ND | | ND | | ND | |
| Q5570 | 626 | MW-52-99 | 3/21/07 0949 | ND | | ND | | ND | |
| Q5635 | 626 | MW-52-99 | 3/23/07 1413 | ND | | ND | | ND | |
| Q5736 | 626 | MW-52-99 | 3/26/07 1145 | ND | | ND | | ND | |
| Q5953 | 626 | MW-52-99 | 3/28/07 0849 | ND | | ND | | ND | |
| Q6089 | 626 | MW-52-99 | 3/29/07 1448 | ND | | ND | | ND | |
| Q6238 | 626 | MW-52-99 | 4/2/07 1001 | ND | | ND | | ND | |
| Q6369 | 626 | MW-52-99 | 4/4/07 1124 | ND | | ND | | ND | |
| Q6465 | 626 | MW-52-99 | 4/6/07 0812 | ND | | ND | | ND | |
| Q6642 | 626 | MW-52-99 | 4/9/07 1405 | ND | | ND | | ND | |
| Q6784 | 626 | MW-52-99 | 4/11/07 0820 | ND | | ND | | ND | |
| Q6768 | 626 | MW-52-99 | 4/13/07 1025 | ND | | ND | | ND | |
| **Q8683** | **627** | **MW-52-124** | **5/23/07 1125** | **ND** | | **ND** | | **ND** | |
| Q8693 | 627 | MW-52-124 | 5/24/07 1454 | ND | | ND | | ND | |
| **Q8684** | **628** | **MW-52-163** | **5/23/07 1052** | **ND** | | **ND** | | **ND** | |
| Q8688 | 628 | MW-52-163 | 5/23/07 1217 | ND | | ND | | ND | |
| Q8694 | 628 | MW-52-163 | 5/24/07 1154 | ND | | ND | | ND | |
| **Q8685** | **629** | **MW-52-183** | **5/23/07 1059** | **ND** | | **ND** | | **ND** | |
| Q8689 | 629 | MW-52-183 | 5/23/07 1524 | ND | | ND | | ND | |
| Q8695 | 629 | MW-52-183 | 5/24/07 1205 | ND | | ND | | ND | |

**Indian Point Nuclear Facility**
**Results**
**Water Samples**

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| **Q8153** | **630** | **MW-52-119** | **5/11/07 1107** | **ND** | | **ND** | | **ND** | |
| **Q2126** | **631** | **MW-52-137** | **2/2/07 1130** | **ND** | | **ND** | | **ND** | |
| Q2248 | 631 | MW-52-137 | 2/8/07 1405 | ND | | ND | | ND | |
| Q2272 | 631 | MW-52-137 | 2/9/07 0934 | ND | | ND | | ND | |
| Q2309 | 631 | MW-52-137 | 2/10/07 1350 | ND | | ND | | ND | |
| Q2328 | 631 | MW-52-137 | 2/11/07 1444 | ND | | ND | | ND | |
| Q2357 | 631 | MW-52-137 | 2/12/07 1429 | ND | | ND | | ND | |
| Q2686 | 631 | MW-52-137 | 2/13/07 1504 | ND | | ND | | ND | |
| Q2713 | 631 | MW-52-137 | 2/14/07 1353 | ND | | ND | | ND | |
| Q2985 | 631 | MW-52-137 | 2/15/07 1409 | ND | | ND | | ND | |
| Q2998 | 631 | MW-52-137 | 2/16/07 1025 | ND | | ND | | ND | |
| Q3017 | 631 | MW-52-137 | 2/17/07 1301 | ND | | ND | | ND | |
| Q3036 | 631 | MW-52-137 | 2/18/07 1225 | ND | | ND | | ND | |
| Q3085 | 631 | MW-52-137 | 2/19/07 1357 | ND | | ND | | ND | |
| Q3114 | 631 | MW-52-137 | 2/20/07 1324 | ND | | ND | | ND | |
| Q3137 | 631 | MW-52-137 | 2/21/07 1342 | ND | | ND | | ND | |
| Q3655 | 631 | MW-52-137 | 2/22/07 1050 | ND | | ND | | ND | |
| Q3632 | 631 | MW-52-137 | 2/23/07 0955 | ND | | ND | | ND | |
| Q3545 | 631 | MW-52-137 | 2/26/07 1347 | ND | | ND | | ND | |
| Q3676 | 631 | MW-52-137 | 2/27/07 0826 | ND | | ND | | ND | |
| Q3888 | 631 | MW-52-137 | 2/28/07 0908 | ND | | ND | | ND | |
| Q4014 | 631 | MW-52-137 | 3/1/07 0938 | ND | | ND | | ND | |
| Q4043 | 631 | MW-52-137 | 3/2/07 0927 | ND | | ND | | ND | |
| Q4070 | 631 | MW-52-137 | 3/5/07 1439 | ND | | ND | | ND | |
| Q4278 | 631 | MW-52-137 | 3/6/07 0947 | ND | | ND | | ND | |
| Q4529 | 631 | MW-52-137 | 3/7/07 1400 | ND | | ND | | ND | |
| Q4654 | 631 | MW-52-137 | 3/8/07 1009 | ND | | ND | | ND | |
| Q4946 | 631 | MW-52-137 | 3/13/07 1423 | ND | | ND | | ND | |
| Q4966 | 631 | MW-52-137 | 3/14/07 1044 | ND | | ND | | ND | |
| Q5255 | 631 | MW-52-137 | 3/15/07 1036 | ND | | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q5255R | 631 | MW-52-137 | 3/15/07 1036 | ND | | ND | | ND | |
| Q5278 | 631 | MW-52-137 | 3/16/07 0934 | ND | | ND | | ND | |
| Q5311 | 631 | MW-52-137 | 3/19/07 1411 | ND | | ND | | ND | |
| Q5571 | 631 | MW-52-137 | 3/21/07 0952 | ND | | ND | | ND | |
| Q5636 | 631 | MW-52-137 | 3/23/07 1420 | ND | | ND | | ND | |
| Q5737 | 631 | MW-52-137 | 3/26/07 1148 | ND | | ND | | ND | |
| Q5954 | 631 | MW-52-137 | 3/28/07 0852 | ND | | ND | | ND | |
| Q6090 | 631 | MW-52-137 | 3/29/07 1451 | ND | | ND | | ND | |
| Q6239 | 631 | MW-52-137 | 4/2/07 1004 | ND | | ND | | ND | |
| Q6370 | 631 | MW-52-137 | 4/4/07 1128 | ND | | ND | | ND | |
| Q6466 | 631 | MW-52-137 | 4/6/07 0815 | ND | | ND | | ND | |
| Q6643 | 631 | MW-52-137 | 4/9/07 1410 | ND | | ND | | ND | |
| Q6785 | 631 | MW-52-137 | 4/11/07 0823 | ND | | ND | | ND | |
| Q6769 | 631 | MW-52-137 | 4/13/07 1027 | ND | | ND | | ND | |
| **Q8154** | **632** | **MW-52-163** | **5/11/07 1045** | **ND** | | **ND** | | **ND** | |
| **Q8155** | **633** | **MW-52-183** | **5/11/07 1103** | **ND** | | **ND** | | **ND** | |
| **Q2127** | **636** | **MW-52-194** | **2/2/07 1131** | **ND** | | **ND** | | **ND** | |
| Q2249 | 636 | MW-52-194 | 2/8/07 1417 | ND | | ND | | ND | |
| Q2273 | 636 | MW-52-194 | 2/9/07 0900 | ND | | ND | | ND | |
| Q2310 | 636 | MW-52-194 | 2/10/07 1335 | ND | | ND | | ND | |
| Q2329 | 636 | MW-52-194 | 2/11/07 1445 | ND | | ND | | ND | |
| Q2358 | 636 | MW-52-194 | 2/12/07 1431 | ND | | ND | | ND | |
| Q2687 | 636 | MW-52-194 | 2/13/07 1504 | ND | | ND | | ND | |
| Q2714 | 636 | MW-52-194 | 2/14/07 1354 | ND | | ND | | ND | |
| Q2986 | 636 | MW-52-194 | 2/15/07 1410 | ND | | ND | | ND | |
| Q2999 | 636 | MW-52-194 | 2/16/07 1020 | ND | | ND | | ND | |
| Q3018 | 636 | MW-52-194 | 2/17/07 1303 | ND | | ND | | ND | |
| Q3037 | 636 | MW-52-194 | 2/18/07 1227 | ND | | ND | | ND | |
| Q3086 | 636 | MW-52-194 | 2/19/07 1401 | ND | | ND | | ND | |
| Q3115 | 636 | MW-52-194 | 2/20/07 1328 | ND | | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q3138 | 636 | MW-52-194 | 2/21/07 1344 | ND | | ND | | ND | |
| Q3656 | 636 | MW-52-194 | 2/22/07 1055 | ND | | ND | | ND | |
| Q3633 | 636 | MW-52-194 | 2/23/07 1000 | ND | | ND | | ND | |
| Q3546 | 636 | MW-52-194 | 2/26/07 1348 | ND | | ND | | ND | |
| Q3677 | 636 | MW-52-194 | 2/27/07 0829 | ND | | ND | | ND | |
| Q3889 | 636 | MW-52-194 | 2/28/07 0912 | ND | | ND | | ND | |
| Q4015 | 636 | MW-52-194 | 3/1/07 0940 | ND | | ND | | ND | |
| Q4044 | 636 | MW-52-194 | 3/2/07 0929 | ND | | ND | | ND | |
| Q4071 | 636 | MW-52-194 | 3/5/07 1442 | ND | | ND | | ND | |
| Q4279 | 636 | MW-52-194 | 3/6/07 0950 | ND | | ND | | ND | |
| Q4530 | 636 | MW-52-194 | 3/7/07 1401 | ND | | ND | | ND | |
| Q4655 | 636 | MW-52-194 | 3/8/07 1019 | ND | | ND | | ND | |
| Q4947 | 636 | MW-52-194 | 3/13/07 1428 | ND | | ND | | ND | |
| Q4967 | 636 | MW-52-194 | 3/14/07 1048 | ND | | ND | | ND | |
| Q5256 | 636 | MW-52-194 | 3/15/07 1038 | ND | | ND | | ND | |
| Q5279 | 636 | MW-52-194 | 3/16/07 0935 | ND | | ND | | ND | |
| Q5279R | 636 | MW-52-194 | 3/16/07 0935 | ND | | ND | | ND | |
| Q5312 | 636 | MW-52-194 | 3/19/07 1413 | ND | | ND | | ND | |
| Q5572 | 636 | MW-52-194 | 3/21/07 0954 | ND | | ND | | ND | |
| Q5637 | 636 | MW-52-194 | 3/23/07 1415 | ND | | ND | | ND | |
| Q5738 | 636 | MW-52-194 | 3/26/07 1150 | ND | | ND | | ND | |
| Q5955 | 636 | MW-52-194 | 3/28/07 0854 | ND | | ND | | ND | |
| Q6091 | 636 | MW-52-194 | 3/29/07 1454 | ND | | ND | | ND | |
| Q6241 | 636 | MW-52-194 | 4/2/07 1006 | ND | | ND | | ND | |
| Q6371 | 636 | MW-52-194 | 4/4/07 1129 | ND | | ND | | ND | |
| Q6467 | 636 | MW-52-194 | 4/6/07 0818 | ND | | ND | | ND | |
| Q6644 | 636 | MW-52-194 | 4/9/07 1411 | ND | | ND | | ND | |
| Q6786 | 636 | MW-52-194 | 4/11/07 0825 | ND | | ND | | ND | |
| Q6770 | 636 | MW-52-194 | 4/13/07 1030 | ND | | ND | | ND | |
| **Q2945** | **640** | **MW-52-12** | **2/11/07 1408** | **ND** | | **ND** | | **ND** | |

Results

Water Samples

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| **Q2232** | **650** | **MW-53-80** | **2/9/07 0950** | **ND (1)** | | **ND** | | **ND** | |
| Q6052 | 650 | MW-53-80 | 2/9/07 1318 | ND (1) | | ND | | ND | |
| Q5512 | 650 | MW-53-80 | 2/10/07 1106 | ND | | ND | | ND | |
| Q5513 | 650 | MW-53-80 | 2/11/07 1010 | ND | | ND | | ND | |
| Q6053 | 650 | MW-53-80 | 2/12/07 1346 | 507.8 ** | 0.055 | ND | | ND | |
| Q6054 | 650 | MW-53-80 | 2/13/07 1055 | 508.0 | 0.235 | ND | | ND | |
| Q3092 | 650 | MW-53-80 | 2/14/07 1121 | 508.7 | 0.542 | ND | | ND | |
| Q3358 | 650 | MW-53-80 | 2/16/07 1010 | 508.4 | 2.43 | ND | | ND | |
| Q3364 | 650 | MW-53-80 | 2/19/07 1105 | 508.7 | 4.15 | ND | | ND | |
| Q3365 | 650 | MW-53-80 | 2/21/07 1155 | 508.7 | 5.15 | ND | | ND | |
| Q4256 | 650 | MW-53-80 | 2/23/07 1145 | 508.7 | 4.57 | ND | | ND | |
| Q3982 | 650 | MW-53-80 | 2/26/07 1329 | 508.8 | 5.17 | ND | | ND | |
| Q4257 | 650 | MW-53-80 | 2/28/07 1420 | 508.7 | 4.46 | ND | | ND | |
| Q4633 | 650 | MW-53-80 | 3/2/07 1311 | 508.5 | 0.159 | ND | | ND | |
| Q4634 | 650 | MW-53-80 | 3/5/07 1328 | 508.4 | 0.049 | ND | | ND | |
| Q4872 | 650 | MW-53-80 | 3/7/07 1518 | 508.1 | 0.059 | ND | | ND | |
| Q4890 | 650 | MW-53-80 | 3/9/07 1118 | 508.4 | 0.074 | ND | | ND | |
| Q4928 | 650 | MW-53-80 | 3/12/07 1130 | 508.5 | 0.070 | ND | | ND | |
| Q5238 | 650 | MW-53-80 | 3/14/07 1333 | 509.1 | 0.079 | ND | | ND | |
| Q6055 | 650 | MW-53-80 | 3/16/07 1120 | 508.6 | 0.038 | ND | | ND | |
| Q6056 | 650 | MW-53-80 | 3/20/07 0900 | ND | | ND | | ND | |
| Q6057 | 650 | MW-53-80 | 3/23/07 1135 | ND | | ND | | ND | |
| Q6058 | 650 | MW-53-80 | 3/26/07 1317 | ND | | ND | | ND | |
| **Q2233** | **660** | **MW-53-120** | **2/9/07 0951** | **ND** | | **ND** | | **ND** | |
| **Q2128** | **671** | **MW-54-40** | **2/1/07 1320** | **ND** | | **ND** | | **ND** | |
| Q2250 | 671 | MW-54-40 | 2/8/07 1510 | ND | | ND | | ND | |
| Q2274 | 671 | MW-54-40 | 2/9/07 1125 | ND | | ND | | ND | |
| Q2311 | 671 | MW-54-40 | 2/10/07 1457 | ND | | ND | | ND | |
| Q2311R | 671 | MW-54-40 | 2/10/07 1457 | ND | | ND | | ND | |
| Q2330 | 671 | MW-54-40 | 2/11/07 1345 | ND | | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q2359 | 671 | MW-54-40 | 2/12/07 1330 | ND | | ND | | ND | |
| Q2688 | 671 | MW-54-40 | 2/13/07 1345 | ND | | ND | | ND | |
| Q2715 | 671 | MW-54-40 | 2/14/07 1245 | ND | | ND | | ND | |
| Q3001 | 671 | MW-54-40 | 2/16/07 1120 | ND | | ND | | ND | |
| Q3019 | 671 | MW-54-40 | 2/17/07 1159 | ND | | ND | | ND | |
| Q3038 | 671 | MW-54-40 | 2/18/07 1126 | ND | | ND | | ND | |
| Q3087 | 671 | MW-54-40 | 2/19/07 1313 | ND | | ND | | ND | |
| Q3116 | 671 | MW-54-40 | 2/20/07 1244 | ND | | ND | | ND | |
| Q3139 | 671 | MW-54-40 | 2/21/07 1420 | ND | | ND | | ND | |
| Q3657 | 671 | MW-54-40 | 2/22/07 1135 | 505.2 ** | 0.038 | ND | | ND | |
| Q3634 | 671 | MW-54-40 | 2/23/07 0835 | 505.4 ** | 0.114 | ND | | ND | |
| Q3547 | 671 | MW-54-40 | 2/26/07 1259 | 506.4 ** | 0.335 | ND | | ND | |
| Q3678 | 671 | MW-54-40 | 2/27/07 0946 | 507.2 ** | 0.377 | ND | | ND | |
| Q3890 | 671 | MW-54-40 | 2/28/07 0948 | 506.9 ** | 0.526 | ND | | ND | |
| Q4016 | 671 | MW-54-40 | 3/1/07 0827 | 507.1 ** | 0.526 | ND | | ND | |
| Q4045 | 671 | MW-54-40 | 3/2/07 1045 | 507.4 ** | 0.859 | ND | | ND | |
| Q4072 | 671 | MW-54-40 | 3/5/07 1530 | 507.7 ** | 0.953 | ND | | ND | |
| Q4281 | 671 | MW-54-40 | 3/6/07 0831 | 507.8 ** | 0.837 | ND | | ND | |
| Q4669 | 671 | MW-54-40 | 3/9/07 1435 | 507.7 ** | 0.755 | ND | | ND | |
| Q4915 | 671 | MW-54-40 | 3/12/07 1317 | 507.4 ** | 0.438 | ND | | ND | |
| Q4948 | 671 | MW-54-40 | 3/13/07 1252 | 507.8 ** | 0.379 | ND | | ND | |
| Q4968 | 671 | MW-54-40 | 3/14/07 1139 | 508.0 | 0.306 | ND | | ND | |
| Q5257 | 671 | MW-54-40 | 3/15/07 1110 | 507.6 ** | 0.276 | ND | | ND | |
| Q5281 | 671 | MW-54-40 | 3/16/07 0910 | 507.8 ** | 0.219 | ND | | ND | |
| Q5313 | 671 | MW-54-40 | 3/19/07 1325 | 508.9 | 0.021 | ND | | ND | |
| Q5573 | 671 | MW-54-40 | 3/21/07 0815 | ND | | ND | | ND | |
| Q5638 | 671 | MW-54-40 | 3/23/07 1310 | ND | | ND | | ND | |
| Q5739 | 671 | MW-54-40 | 3/26/07 0945 | 506.0 ** | 0.289 | ND | | ND | |
| Q5739R | 671 | MW-54-40 | 3/26/07 0945 | 506.6 ** | 0.268 | ND | | ND | |
| Q5956 | 671 | MW-54-40 | 3/28/07 0806 | ND | | ND | | ND | |

**Water Samples**

| OUL # | Station # | Station Name | Date/Time Recovered | Fluorescein Results Peak nm | Fluorescein Results Conc. ppb | Eosine Results Peak nm | Eosine Results Conc. ppb | RWT Results Peak nm | RWT Results Conc. ppb |
|---|---|---|---|---|---|---|---|---|---|
| Q6092 | 671 | MW-54-40 | 3/29/07 1523 | ND | | ND | | ND | |
| Q6242 | 671 | MW-54-40 | 4/2/07 0820 | ND | | ND | | ND | |
| Q6372 | 671 | MW-54-40 | 4/4/07 1248 | ND | | ND | | ND | |
| **Q7035** | **672** | **MW-54-38** | **4/18/07 1403** | **ND** | | **ND** | | **ND** | |
| Q7185 | 672 | MW-54-38 | 4/23/07 1129 | ND | | ND | | ND | |
| Q7629 | 672 | MW-54-38 | 5/2/07 1331 | ND | | ND | | ND | |
| Q7635 | 672 | MW-54-38 | 5/3/07 1220 | ND | | ND | | ND | |
| Q7642 | 672 | MW-54-38 | 5/3/07 1618 | ND | | ND | | ND | |
| Q8186 | 672 | MW-54-38 | 5/11/07 0904 | ND | | ND | | ND | |
| Q8346 | 672 | MW-54-38 | 5/16/07 1219 | ND | | ND | | ND | |
| Q8696 | 672 | MW-54-38 | 5/25/07 0812 | ND | | ND | | ND | |
| Q9097 | 672 | MW-54-37 | 6/1/07 1246 | ND | | ND | | ND | |
| R0031 | 672 | MW-54-37 | 6/13/07 1428 | ND | | ND | | ND | |
| R1944 | 672 | MW-54-37 | 7/31/07 1030 | ND | | ND | | ND | |
| **Q2129** | **681** | **MW-54-66** | **2/1/07 1335** | **ND** | | **ND** | | **ND** | |
| Q2251 | 681 | MW-54-66 | 2/8/07 1511 | ND | | ND | | ND | |
| Q2275 | 681 | MW-54-66 | 2/9/07 1128 | ND | | ND | | ND | |
| Q2312 | 681 | MW-54-66 | 2/10/07 1501 | ND | | ND | | ND | |
| Q2331 | 681 | MW-54-66 | 2/11/07 1348 | ND | | ND | | ND | |
| Q2331R | 681 | MW-54-66 | 2/11/07 1348 | ND | | ND | | ND | |
| Q2361 | 681 | MW-54-66 | 2/12/07 1332 | ND | | ND | | ND | |
| Q2689 | 681 | MW-54-66 | 2/13/07 1346 | ND | | ND | | ND | |
| Q2716 | 681 | MW-54-66 | 2/14/07 1246 | ND | | ND | | ND | |
| Q3002 | 681 | MW-54-66 | 2/16/07 1125 | ND | | ND | | ND | |
| Q3021 | 681 | MW-54-66 | 2/17/07 1203 | ND | | ND | | ND | |
| Q3039 | 681 | MW-54-66 | 2/18/07 1128 | ND | | ND | | ND | |
| Q3088 | 681 | MW-54-66 | 2/19/07 1313 | ND | | ND | | ND | |
| Q3117 | 681 | MW-54-66 | 2/20/07 1245 | ND | | ND | | ND | |
| Q3141 | 681 | MW-54-66 | 2/21/07 1421 | ND | | ND | | ND | |
| Q3658 | 681 | MW-54-66 | 2/22/07 1140 | 505.2 ** | 0.068 | ND | | ND | |

Results

Water Samples

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q3635 | 681 | MW-54-66 | 2/23/07 0840 | 505.2 ** | 0.074 | ND | | ND | |
| Q3548 | 681 | MW-54-66 | 2/26/07 1300 | 506.8 ** | 0.212 | ND | | ND | |
| Q3679 | 681 | MW-54-66 | 2/27/07 0942 | 507.0 ** | 0.250 | ND | | ND | |
| Q3679R | 681 | MW-54-66 | 2/27/07 0942 | 507.1 ** | 0.251 | ND | | ND | |
| Q3891 | 681 | MW-54-66 | 2/28/07 0949 | 507.1 ** | 0.341 | ND | | ND | |
| Q4017 | 681 | MW-54-66 | 3/1/07 0828 | 507.0 ** | 0.345 | ND | | ND | |
| Q4046 | 681 | MW-54-66 | 3/2/07 1046 | 507.3 ** | 0.525 | ND | | ND | |
| Q4073 | 681 | MW-54-66 | 3/5/07 1533 | 507.8 ** | 0.645 | ND | | ND | |
| Q4282 | 681 | MW-54-66 | 3/6/07 0832 | 507.7 ** | 0.526 | ND | | ND | |
| Q4670 | 681 | MW-54-66 | 3/9/07 1436 | 507.6 ** | 0.534 | ND | | ND | |
| Q4916 | 681 | MW-54-66 | 3/12/07 1319 | 506.8 ** | 0.212 | ND | | ND | |
| Q4949 | 681 | MW-54-66 | 3/13/07 1248 | 507.2 ** | 0.178 | ND | | ND | |
| Q4969 | 681 | MW-54-66 | 3/14/07 1137 | 508.1 | 0.170 | ND | | ND | |
| Q5258 | 681 | MW-54-66 | 3/15/07 1111 | 507.0 ** | 0.113 | ND | | ND | |
| Q5282 | 681 | MW-54-66 | 3/16/07 0912 | 507.8 ** | 0.071 | ND | | ND | |
| Q5314 | 681 | MW-54-66 | 3/19/07 1327 | 507.2 ** | 0.016 | ND | | ND | |
| Q5574 | 681 | MW-54-66 | 3/21/07 0816 | ND | | ND | | ND | |
| Q5639 | 681 | MW-54-66 | 3/23/07 1312 | ND | | ND | | ND | |
| Q5741 | 681 | MW-54-66 | 3/26/07 0948 | 506.4 ** | 0.207 | ND | | ND | |
| Q5957 | 681 | MW-54-66 | 3/28/07 0807 | ND | | ND | | ND | |
| Q6093 | 681 | MW-54-66 | 3/29/07 1523 | ND | | ND | | ND | |
| Q6243 | 681 | MW-54-66 | 4/2/07 0822 | ND | | ND | | ND | |
| Q6373 | 681 | MW-54-66 | 4/4/07 1250 | ND | | ND | | ND | |
| **Q7036** | **682** | **MW-54-59** | **4/18/07 1359** | **ND** | | **ND** | | **ND** | |
| Q7186 | 682 | MW-54-59 | 4/23/07 1132 | ND | | ND | | ND | |
| Q7630 | 682 | MW-54-59 | 5/2/07 1322 | ND | | ND | | ND | |
| Q7636 | 682 | MW-54-59 | 5/3/07 1138 | ND | | ND | | ND | |
| Q7643 | 682 | MW-54-59 | 5/3/07 1643 | ND | | ND | | ND | |
| Q8187 | 682 | MW-54-59 | 5/11/07 0907 | ND | | ND | | ND | |
| Q8347 | 682 | MW-54-59 | 5/16/07 1221 | ND | | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q8697 | 682 | MW-54-59 | 5/25/07 0814 | ND | | ND | | ND | |
| Q9098 | 682 | MW-54-58 | 6/1/07 1247 | ND | | ND | | ND | |
| R0032 | 682 | MW-54-58 | 6/13/07 1429 | ND | | ND | | ND | |
| R1945 | 682 | MW-54-59 | 7/31/07 0955 | ND | | ND | | ND | |
| **Q2130** | **691** | **MW-54-132** | **2/1/07 1337** | **ND** | | **ND** | | **ND** | |
| Q2130R | 691 | MW-54-132 | 2/1/07 1337 | ND | | ND | | ND | |
| Q2252 | 691 | MW-54-132 | 2/8/07 1519 | ND | | ND | | ND | |
| Q2276 | 691 | MW-54-132 | 2/9/07 1135 | ND | | ND | | ND | |
| Q2313 | 691 | MW-54-132 | 2/10/07 1503 | ND | | ND | | ND | |
| Q2332 | 691 | MW-54-132 | 2/11/07 1352 | ND | | ND | | ND | |
| Q2362 | 691 | MW-54-132 | 2/12/07 1337 | ND | | ND | | ND | |
| Q2690 | 691 | MW-54-132 | 2/13/07 1350 | ND | | ND | | ND | |
| Q2717 | 691 | MW-54-132 | 2/14/07 1248 | ND | | ND | | ND | |
| Q3003 | 691 | MW-54-132 | 2/16/07 1128 | ND | | ND | | ND | |
| Q3022 | 691 | MW-54-132 | 2/17/07 1210 | ND | | ND | | ND | |
| Q3041 | 691 | MW-54-132 | 2/18/07 1133 | ND | | ND | | ND | |
| Q3089 | 691 | MW-54-132 | 2/19/07 1317 | ND | | ND | | ND | |
| Q3118 | 691 | MW-54-132 | 2/20/07 1249 | ND | | ND | | ND | |
| Q3118R | 691 | MW-54-132 | 2/20/07 1249 | ND | | ND | | ND | |
| Q3142 | 691 | MW-54-132 | 2/21/07 1426 | ND | | ND | | ND | |
| Q3142R | 691 | MW-54-132 | 2/21/07 1426 | ND | | ND | | ND | |
| Q3659 | 691 | MW-54-132 | 2/22/07 1145 | 504.4 ** | 0.030 | ND | | ND | |
| Q3659R | 691 | MW-54-132 | 2/22/07 1145 | 505.6 ** | 0.037 | ND | | ND | |
| Q3636 | 691 | MW-54-132 | 2/23/07 0845 | 506.2 ** | 0.063 | ND | | ND | |
| Q3549 | 691 | MW-54-132 | 2/26/07 1305 | 506.6 ** | 0.190 | ND | | ND | |
| Q3681 | 691 | MW-54-132 | 2/27/07 0949 | 506.6 ** | 0.173 | ND | | ND | |
| Q3892 | 691 | MW-54-132 | 2/28/07 0954 | 506.9 ** | 0.309 | ND | | ND | |
| Q4018 | 691 | MW-54-132 | 3/1/07 0833 | 507.0 ** | 0.317 | ND | | ND | |
| Q4047 | 691 | MW-54-132 | 3/2/07 1052 | 507.3 ** | 0.440 | ND | | ND | |
| Q4074 | 691 | MW-54-132 | 3/5/07 1535 | 507.8 ** | 0.631 | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q4283 | 691 | MW-54-132 | 3/6/07 0837 | 508.2 | 0.509 | ND | | ND | |
| Q4671 | 691 | MW-54-132 | 3/9/07 1440 | 507.6 ** | 0.479 | ND | | 573.8 | 6.94 |
| Q4917 | 691 | MW-54-132 | 3/12/07 1323 | 507.5 ** | 0.479 | ND | | ND | |
| Q4950 | 691 | MW-54-132 | 3/13/07 1253 | 507.5 ** | 0.498 | ND | | ND | |
| Q4970 | 691 | MW-54-132 | 3/14/07 1144 | 508.0 | 0.191 | ND | | ND | |
| Q5259 | 691 | MW-54-132 | 3/15/07 1115 | 507.2 ** | 0.466 | ND | | ND | |
| Q5259R | 691 | MW-54-132 | 3/15/07 1115 | 507.8 ** | 0.458 | ND | | ND | |
| Q5283 | 691 | MW-54-132 | 3/16/07 0915 | 507.6 ** | 0.316 | ND | | ND | |
| Q5315 | 691 | MW-54-132 | 3/19/07 1330 | 506.9 ** | 0.019 | ND | | ND | |
| Q5575 | 691 | MW-54-132 | 3/21/07 0822 | ND | | ND | | ND | |
| Q5641 | 691 | MW-54-132 | 3/23/07 1315 | ND | | ND | | ND | |
| Q5742 | 691 | MW-54-132 | 3/26/07 0950 | 506.6 ** | 0.183 | ND | | ND | |
| Q5958 | 691 | MW-54-132 | 3/28/07 0812 | ND | | ND | | ND | |
| Q6094 | 691 | MW-54-132 | 3/29/07 1527 | ND | | ND | | ND | |
| Q6244 | 691 | MW-54-132 | 4/2/07 0825 | ND | | ND | | ND | |
| Q6374 | 691 | MW-54-132 | 4/4/07 1253 | ND | | ND | | ND | |
| **Q7037** | **692** | **MW-54-125** | **4/18/07 1408** | **506.4 **** | **0.089** | **ND** | | **ND** | |
| Q7037R | 692 | MW-54-125 | 4/18/07 1408 | 506.6 ** | 0.074 | ND | | ND | |
| Q7187 | 692 | MW-54-125 | 4/23/07 1134 | 506.8 ** | 0.074 | ND | | ND | |
| Q7631 | 692 | MW-54-125 | 5/2/07 1348 | 506.0 ** | 0.084 | ND | | ND | |
| Q7637 | 692 | MW-54-125 | 5/3/07 1059 | 506.0 ** | 0.040 | ND | | ND | |
| Q7637R | 692 | MW-54-125 | 5/3/07 1059 | 506.6 ** | 0.049 | ND | | ND | |
| Q7644 | 692 | MW-54-125 | 5/3/07 1651 | 508.2 | 0.050 | ND | | ND | |
| Q8188 | 692 | MW-54-125 | 5/11/07 0915 | 508.3 | 0.047 | ND | | ND | |
| Q8348 | 692 | MW-54-125 | 5/16/07 1224 | 508.0 | 0.043 | ND | | ND | |
| Q8698 | 692 | MW-54-125 | 5/25/07 0818 | 509.4 (3) | 0.031 | ND | | ND | |
| Q9099 | 692 | MW-54-123 | 6/1/07 1252 | 509.4 ** | 0.050 | ND | | ND | |
| Q9099R | 692 | MW-54-123 | 6/1/07 1252 | 510.2 ** | 0.042 | ND | | ND | |
| R0033 | 692 | MW-54-123 | 6/13/07 1431 | 510.0 (3) | 0.033 | ND | | ND | |
| R1946 | 692 | MW-54-125 | 7/31/07 1110 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Recovered | Fluorescein Results Peak nm | Fluorescein Results Conc. ppb | Eosine Results Peak nm | Eosine Results Conc. ppb | RWT Results Peak nm | RWT Results Conc. ppb |
|---|---|---|---|---|---|---|---|---|---|
| **Q7038** | **693** | **MW-54-146** | **4/18/07 1412** | **507.2 **** | **0.066** | **ND** | | **ND** | |
| Q7188 | 693 | MW-54-146 | 4/23/07 1138 | 508.8 | 0.049 | ND | | ND | |
| Q7632 | 693 | MW-54-146 | 5/2/07 1348 | 509.6 ** | 0.030 | ND | | ND | |
| Q7638 | 693 | MW-54-146 | 5/3/07 1030 | ND | | ND | | ND | |
| Q7645 | 693 | MW-54-146 | 5/3/07 1653 | ND | | ND | | ND | |
| Q8189 | 693 | MW-54-146 | 5/11/07 0917 | ND | | ND | | ND | |
| Q8349 | 693 | MW-54-146 | 5/16/07 1226 | ND | | ND | | ND | |
| Q8701 | 693 | MW-54-146 | 5/25/07 0820 | ND | | ND | | ND | |
| Q8701R | 693 | MW-54-146 | 5/25/07 0820 | ND | | ND | | ND | |
| Q9101 | 693 | MW-54-144 | 6/1/07 1253 | ND | | ND | | ND | |
| R0034 | 693 | MW-54-144 | 6/13/07 1432 | ND | | ND | | ND | |
| R1947 | 693 | MW-54-146 | 7/31/07 1333 | ND | | ND | | ND | |
| **Q7039** | **694** | **MW-54-174** | **4/18/07 1414** | **506.7 **** | **0.098** | **ND** | | **ND** | |
| Q7189 | 694 | MW-54-174 | 4/23/07 1140 | 507.4 ** | 0.075 | ND | | ND | |
| Q7633 | 694 | MW-54-174 | 5/2/07 1349 | 507.8 ** | 0.074 | ND | | ND | |
| Q7639 | 694 | MW-54-174 | 5/3/07 1102 | 508.3 | 0.045 | ND | | ND | |
| Q7646 | 694 | MW-54-174 | 5/3/07 1655 | 507.4 ** | 0.049 | ND | | ND | |
| Q8156 | 694 | MW-54-174 | 5/11/07 0919 | 508.4 | 0.042 | ND | | ND | |
| Q8350 | 694 | MW-54-174 | 5/16/07 1227 | 507.2 ** | 0.029 | ND | | ND | |
| Q9102 | 694 | MW-54-173 | 6/1/07 1254 | 508.8 | 0.040 | ND | | ND | |
| R0035 | 694 | MW-54-173 | 6/13/07 1433 | ND | | ND | | ND | |
| R1948 | 694 | MW-54-174 | 7/31/07 1340 | ND | | ND | | ND | |
| **Q7041** | **695** | **MW-54-192** | **4/18/07 1415** | **506.4 **** | **0.082** | **ND** | | **ND** | |
| Q7190 | 695 | MW-54-192 | 4/23/07 1144 | 507.2 ** | 0.080 | ND | | ND | |
| Q7634 | 695 | MW-54-192 | 5/2/07 1402 | 506.0 ** | 0.087 | ND | | ND | |
| Q7641 | 695 | MW-54-192 | 5/3/07 1042 | 508.2 | 0.072 | ND | | ND | |
| Q7647 | 695 | MW-54-192 | 5/3/07 1655 | 508.2 | 0.073 | ND | | ND | |
| Q8157 | 695 | MW-54-192 | 5/11/07 0922 | 509.4 | 0.060 | ND | | ND | |
| Q8351 | 695 | MW-54-192 | 5/16/07 1229 | 508.8 | 0.062 | ND | | ND | |
| Q8702 | 695 | MW-54-192 | 5/25/07 0821 | 507.4 ** | 0.032 | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q9103 | 695 | MW-54-190 | 6/1/07 1255 | 510.2 ** | 0.039 | ND | | ND | |
| R0036 | 695 | MW-54-190 | 6/13/07 1434 | 509.4 (3) | 0.034 | ND | | ND | |
| R1949 | 695 | MW-54-192 | 7/31/07 1345 | ND | | ND | | ND | |
| **Q2131** | **701** | **MW-54-163** | **2/1/07 1339** | **ND** | | **ND** | | **ND** | |
| Q2253 | 701 | MW-54-163 | 2/8/07 1520 | ND | | ND | | ND | |
| Q2277 | 701 | MW-54-163 | 2/9/07 1137 | ND | | ND | | ND | |
| Q2314 | 701 | MW-54-163 | 2/10/07 1504 | ND | | ND | | ND | |
| Q2333 | 701 | MW-54-163 | 2/11/07 1354 | ND | | ND | | ND | |
| Q2363 | 701 | MW-54-163 | 2/12/07 1341 | ND | | ND | | ND | |
| Q2691 | 701 | MW-54-163 | 2/13/07 1352 | ND | | ND | | ND | |
| Q2718 | 701 | MW-54-163 | 2/14/07 1249 | ND | | ND | | ND | |
| Q3004 | 701 | MW-54-163 | 2/16/07 1130 | ND | | ND | | ND | |
| Q3023 | 701 | MW-54-163 | 2/17/07 1211 | ND | | ND | | ND | |
| Q3042 | 701 | MW-54-163 | 2/18/07 1134 | ND | | ND | | ND | |
| Q3090 | 701 | MW-54-163 | 2/19/07 1318 | ND | | ND | | ND | |
| Q3119 | 701 | MW-54-163 | 2/20/07 1251 | ND | | ND | | ND | |
| Q3143 | 701 | MW-54-163 | 2/21/07 1426 | ND | | ND | | ND | |
| Q3661 | 701 | MW-54-163 | 2/22/07 1150 | 504.2 ** | 0.031 | ND | | ND | |
| Q3637 | 701 | MW-54-163 | 2/23/07 0848 | 506.6 ** | 0.060 | ND | | ND | |
| Q3550 | 701 | MW-54-163 | 2/26/07 1306 | 506.6 ** | 0.185 | ND | | ND | |
| Q3682 | 701 | MW-54-163 | 2/27/07 0951 | 507.5 ** | 0.123 | ND | | ND | |
| Q3893 | 701 | MW-54-163 | 2/28/07 0955 | 507.0 ** | 0.289 | ND | | ND | |
| Q4019 | 701 | MW-54-163 | 3/1/07 0834 | 507.3 ** | 0.313 | ND | | ND | |
| Q4019R | 701 | MW-54-163 | 3/1/07 0834 | 507.3 ** | 0.308 | ND | | ND | |
| Q4048 | 701 | MW-54-163 | 3/2/07 1053 | 507.3 ** | 0.425 | ND | | ND | |
| Q4075 | 701 | MW-54-163 | 3/5/07 1540 | 507.7 ** | 0.634 | ND | | ND | |
| Q4284 | 701 | MW-54-163 | 3/6/07 0838 | 507.8 ** | 0.553 | ND | | ND | |
| Q4672 | 701 | MW-54-163 | 3/9/07 1441 | 507.7 ** | 0.478 | ND | | ND | |
| Q4918 | 701 | MW-54-163 | 3/12/07 1324 | 507.5 ** | 0.281 | ND | | ND | |
| Q4951 | 701 | MW-54-163 | 3/13/07 1259 | 507.4 ** | 0.271 | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q4971 | 701 | MW-54-163 | 3/14/07 1143 | 508.1 | 0.405 | ND | | ND | |
| Q5261 | 701 | MW-54-163 | 3/15/07 1116 | 507.6 ** | 0.185 | ND | | ND | |
| Q5284 | 701 | MW-54-163 | 3/16/07 0916 | 507.2 ** | 0.161 | ND | | ND | |
| Q5316 | 701 | MW-54-163 | 3/19/07 1332 | 508.1 | 0.048 | ND | | ND | |
| Q5576 | 701 | MW-54-163 | 3/21/07 0822 | ND | | ND | | ND | |
| Q5642 | 701 | MW-54-163 | 3/23/07 1318 | ND | | ND | | ND | |
| Q5743 | 701 | MW-54-163 | 3/26/07 0953 | 506.4 ** | 0.186 | ND | | ND | |
| Q5959 | 701 | MW-54-163 | 3/28/07 0813 | 506.6 ** | 0.062 | ND | | ND | |
| Q5959R | 701 | MW-54-163 | 3/28/07 0813 | 506.8 ** | 0.057 | ND | | ND | |
| Q6095 | 701 | MW-54-163 | 3/29/07 1528 | ND | | ND | | ND | |
| Q6245 | 701 | MW-54-163 | 4/2/07 0827 | ND | | ND | | ND | |
| Q6375 | 701 | MW-54-163 | 4/4/07 1255 | ND | | ND | | ND | |
| **Q2132** | **702** | **MW-54-200** | **2/1/07 1340** | **ND** | | **ND** | | **ND** | |
| Q2254 | 702 | MW-54-200 | 2/8/07 1530 | ND | | ND | | ND | |
| Q2278 | 702 | MW-54-200 | 2/9/07 1142 | ND | | ND | | ND | |
| Q2315 | 702 | MW-54-200 | 2/10/07 1505 | ND | | ND | | ND | |
| Q2334 | 702 | MW-54-200 | 2/11/07 1345 | ND | | ND | | ND | |
| Q2364 | 702 | MW-54-200 | 2/12/07 1337 | ND | | ND | | ND | |
| Q2692 | 702 | MW-54-200 | 2/13/07 1353 | ND | | ND | | ND | |
| Q2719 | 702 | MW-54-200 | 2/14/07 1250 | ND | | ND | | ND | |
| Q3005 | 702 | MW-54-200 | 2/16/07 1133 | ND | | ND | | ND | |
| Q3024 | 702 | MW-54-200 | 2/17/07 1212 | ND | | ND | | ND | |
| Q3043 | 702 | MW-54-200 | 2/18/07 1135 | ND | | ND | | ND | |
| Q3043R | 702 | MW-54-200 | 2/18/07 1135 | ND | | ND | | ND | |
| Q3091 | 702 | MW-54-200 | 2/19/07 1320 | ND | | ND | | ND | |
| Q3121 | 702 | MW-54-200 | 2/20/07 1253 | ND | | ND | | ND | |
| Q3144 | 702 | MW-54-200 | 2/21/07 1427 | ND | | ND | | ND | |
| Q3662 | 702 | MW-54-200 | 2/22/07 1155 | 505.4 ** | 0.024 | ND | | ND | |
| Q3638 | 702 | MW-54-200 | 2/23/07 0850 | 504.8 ** | 0.026 | ND | | ND | |
| Q3638R | 702 | MW-54-200 | 2/23/07 0850 | 504.3 ** | 0.024 | ND | | ND | |

Results

Water Samples

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q3551 | 702 | MW-54-200 | 2/26/07 1306 | 506.2 ** | 0.148 | ND | | ND | |
| Q3683 | 702 | MW-54-200 | 2/27/07 0952 | 506.2 ** | 0.104 | ND | | ND | |
| Q3894 | 702 | MW-54-200 | 2/28/07 0956 | 506.7 ** | 0.238 | ND | | ND | |
| Q4021 | 702 | MW-54-200 | 3/1/07 0835 | 507.0 ** | 0.252 | ND | | ND | |
| Q4049 | 702 | MW-54-200 | 3/2/07 1054 | 507.2 ** | 0.353 | ND | | ND | |
| Q4076 | 702 | MW-54-200 | 3/5/07 1545 | 508.0 | 0.704 | ND | | ND | |
| Q4285 | 702 | MW-54-200 | 3/6/07 0839 | 508.1 | 0.647 | ND | | ND | |
| Q4673 | 702 | MW-54-200 | 3/9/07 1443 | 507.8 ** | 0.490 | ND | | ND | |
| Q4673R | 702 | MW-54-200 | 3/9/07 1443 | 508.1 | 0.478 | ND | | ND | |
| Q4919 | 702 | MW-54-200 | 3/12/07 1325 | 507.0 ** | 0.478 | ND | | ND | |
| Q4919R | 702 | MW-54-200 | 3/12/07 1325 | 507.5 ** | 0.478 | ND | | ND | |
| Q4952 | 702 | MW-54-200 | 3/13/07 1300 | 507.9 ** | 0.451 | ND | | ND | |
| Q4972 | 702 | MW-54-200 | 3/14/07 1147 | 508.1 | 0.431 | ND | | ND | |
| Q5262 | 702 | MW-54-200 | 3/15/07 1117 | 507.6 ** | 0.450 | ND | | ND | |
| Q5285 | 702 | MW-54-200 | 3/16/07 0919 | 507.8 ** | 0.418 | ND | | ND | |
| Q5317 | 702 | MW-54-200 | 3/19/07 1334 | 507.4 ** | 0.214 | ND | | ND | |
| Q5577 | 702 | MW-54-200 | 3/21/07 0823 | 507.6 ** | 0.061 | ND | | ND | |
| Q5643 | 702 | MW-54-200 | 3/23/07 1320 | ND | | ND | | ND | |
| Q5744 | 702 | MW-54-200 | 3/26/07 0955 | 507.3 ** | 0.206 | ND | | ND | |
| Q5961 | 702 | MW-54-200 | 3/28/07 0814 | 506.8 ** | 0.089 | ND | | ND | |
| Q6096 | 702 | MW-54-200 | 3/29/07 1530 | 508.6 | 0.055 | ND | | ND | |
| Q6246 | 702 | MW-54-200 | 4/2/07 0829 | ND | | ND | | ND | |
| Q6376 | 702 | MW-54-200 | 4/4/07 1256 | ND | | ND | | ND | |
| **Q6059** | **710** | **MW-55-24** | **12/5/06 1000** | **509.6 *** | **0.021** | **ND** | | **ND** | |
| Q6059R | 710 | MW-55-24 | 12/5/06 1000 | 510.2 * | 0.022 | ND | | ND | |
| Q6061 | 710 | MW-55-24 | 1/24/07 1022 | 508.0 * | 0.024 | ND | | ND | |
| Q6062 | 710 | MW-55-24 | 2/13/07 1035 | ND | | ND | | ND | |
| Q4619 | 710 | MW-55-24 | 3/1/07 0855 | 507.6 ** | 0.048 | ND | | ND | |
| Q4619R | 710 | MW-55-24 | 3/1/07 0855 | 508.1 | 0.042 | ND | | ND | |
| Q6063 | 710 | MW-55-24 | 3/15/07 0858 | 507.0 ** | 0.084 | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q6221 | 710 | MW-55-24 | 3/28/07 0759 | 507.8 ** | 0.130 | ND | | ND | |
| Q7022 | 710 | MW-55-24 | 4/11/07 1026 | 508.0 | 0.104 | ND | | ND | |
| Q7538 | 710 | MW-55-24 | 4/25/07 1034 | 507.8 ** | 0.044 | ND | | ND | |
| **Q6064** | **720** | **MW-55-34** | **12/5/06 0956** | **ND** | | **ND** | | **ND** | |
| Q6065 | 720 | MW-55-34 | 1/24/07 1010 | ND | | ND | | ND | |
| Q6066 | 720 | MW-55-34 | 2/13/07 1030 | ND | | ND | | ND | |
| Q4621 | 720 | MW-55-34 | 3/1/07 0851 | 506.6 ** | 0.022 | ND | | ND | |
| Q6067 | 720 | MW-55-34 | 3/15/07 0901 | 507.4 ** | 0.042 | ND | | ND | |
| Q6222 | 720 | MW-55-34 | 3/28/07 0805 | 507.7 ** | 0.178 | ND | | ND | |
| Q7023 | 720 | MW-55-34 | 4/11/07 1031 | 508.2 | 0.091 | ND | | ND | |
| Q7539 | 720 | MW-55-34 | 4/25/07 1030 | 507.2 ** | 0.061 | ND | | ND | |
| **Q6068** | **730** | **MW-55-54** | **12/5/06 0958** | **ND** | | **ND** | | **ND** | |
| Q6069 | 730 | MW-55-54 | 1/24/07 1019 | ND | | ND | | ND | |
| Q5528 | 730 | MW-55-54 | 2/13/07 1025 | ND | | ND | | ND | |
| Q4622 | 730 | MW-55-54 | 3/1/07 0847 | 508.3 | 0.281 | ND | | ND | |
| Q6070 | 730 | MW-55-54 | 3/15/07 0905 | 508.2 | 1.11 | ND | | ND | |
| Q6223 | 730 | MW-55-54 | 3/28/07 0812 | 508.5 | 0.698 | ND | | ND | |
| Q7024 | 730 | MW-55-54 | 4/11/07 1036 | 508.8 | 0.237 | ND | | ND | |
| Q7541 | 730 | MW-55-54 | 4/25/07 1025 | 509.2 | 0.148 | ND | | ND | |
| **Q4876** | **780** | **MW-57-20** | **3/7/07 1411** | **ND** | | **ND** | | **ND** | |
| Q4932 | 780 | MW-57-20 | 3/12/07 1032 | ND | | ND | | ND | |
| Q4932R | 780 | MW-57-20 | 3/12/07 1032 | ND | | ND | | ND | |
| Q5239 | 780 | MW-57-20 | 3/14/07 0957 | ND | | ND | | ND | |
| Q5239R | 780 | MW-57-20 | 3/14/07 0957 | ND | | ND | | ND | |
| Q6822 | 780 | MW-57-20 | 4/6/07 1124 | ND | | ND | | ND | |
| **Q2292** | **800** | **MW-58-26** | **2/10/07 1053** | **508.4 *** | **0.023** | **ND** | | **ND** | |
| **Q2115** | **849** | **MW-60 (20')** | **2/1/07 1037** | **ND** | | **ND** | | **ND** | |
| Q2257 | 849 | MW-60 (20') | 2/8/07 0850 | ND | | ND | | ND | |
| Q2230 | 849 | MW-60 (20') | 2/9/07 1000 | ND | | ND | | ND | |
| Q2293 | 849 | MW-60 (20') | 2/10/07 0800 | ND | | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q2338 | 849 | MW-60 (20') | 2/11/07 0735 | ND | | ND | | ND | |
| Q2339 | 849 | MW-60 (20') | 2/12/07 0833 | ND | | ND | | ND | |
| Q2693 | 849 | MW-60 (20') | 2/13/07 0820 | ND | | ND | | ND | |
| Q2697 | 849 | MW-60 (20') | 2/14/07 0950 | ND | | ND | | ND | |
| Q3201 | 849 | MW-60 (20') | 2/16/07 1007 | ND | | ND | | ND | |
| Q3196 | 849 | MW-60 (20') | 2/19/07 0840 | ND | | ND | | ND | |
| Q3147 | 849 | MW-60 (20') | 2/21/07 1058 | ND | | ND | | ND | |
| Q3615 | 849 | MW-60 (20') | 2/23/07 1018 | ND | | ND | | ND | |
| Q3552 | 849 | MW-60 (20') | 2/26/07 0923 | ND | | ND | | ND | |
| Q3897 | 849 | MW-60 (20') | 2/28/07 1108 | ND | | ND | | ND | |
| Q4052 | 849 | MW-60 (20') | 3/2/07 1358 | ND | | ND | | ND | |
| Q4083 | 849 | MW-60 (20') | 3/5/07 0933 | ND | | ND | | ND | |
| Q4541 | 849 | MW-60 (20') | 3/7/07 1120 | ND | | ND | | ND | |
| Q4676 | 849 | MW-60 (20') | 3/9/07 0836 | ND | | ND | | ND | |
| Q4676R | 849 | MW-60 (20') | 3/9/07 0836 | ND | | ND | | ND | |
| Q4904 | 849 | MW-60 (20') | 3/12/07 0930 | ND | | ND | | ND | |
| Q4975 | 849 | MW-60 (20') | 3/14/07 0907 | ND | | ND | | ND | |
| Q5293 | 849 | MW-60 (20') | 3/16/07 0826 | ND | | ND | | ND | |
| Q5293R | 849 | MW-60 (20') | 3/16/07 0826 | ND | | ND | | ND | |
| Q5324 | 849 | MW-60 (20') | 3/19/07 1200 | ND | | ND | | ND | |
| Q5649 | 849 | MW-60 (20') | 3/23/07 1120 | ND | | ND | | ND | |
| Q5649R | 849 | MW-60 (20') | 3/23/07 1120 | ND | | ND | | ND | |
| Q5750 | 849 | MW-60 (20') | 3/26/07 1152 | ND | | ND | | ND | |
| Q5750R | 849 | MW-60 (20') | 3/26/07 1152 | ND | | ND | | ND | |
| Q6099 | 849 | MW-60 (20') | 3/29/07 1414 | ND | | ND | | ND | |
| Q6249 | 849 | MW-60 (20') | 4/2/07 1042 | ND | | ND | | ND | |
| Q6827 | 849 | MW-60 (20') | 4/6/07 0800 | ND | | ND | | ND | |
| Q7017 | 849 | MW-60 (20') | 4/9/07 0845 | ND | | ND | | ND | |
| Q7112 | 849 | MW-60 (20') | 4/17/07 0750 | ND | | ND | | ND | |
| **Q7275** | **850** | **MW-60-37** | **4/25/07 1139** | **ND** | | **ND** | | **ND** | |

Results

Water Samples

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q7374 | 850 | MW-60-37 | 4/27/07 1138 | ND | | ND | | ND | |
| Q7443 | 850 | MW-60-37 | 4/30/07 0823 | ND | | ND | | ND | |
| Q7992 | 850 | MW-60-37 | 5/7/07 0928 | ND | | ND | | ND | |
| Q7998 | 850 | MW-60-37 | 5/7/07 1720 | ND | | ND | | ND | |
| Q8005 | 850 | MW-60-37 | 5/8/07 1325 | ND | | ND | | ND | |
| Q8352 | 850 | MW-60-37 | 5/16/07 1310 | 507.8 (3) | 0.065 | ND | | ND | |
| Q8703 | 850 | MW-60-37 | 5/25/07 1132 | ND | | ND | | ND | |
| Q9104 | 850 | MW-60-35 | 6/1/07 1137 | ND | | ND | | ND | |
| R0037 | 850 | MW-60-35 | 6/14/07 1230 | ND | | ND | | ND | |
| R1683 | 850 | MW-60-35 | 7/27/07 1307 | ND | | ND | | ND | |
| R1683 | 850 | MW-60-35 | 7/27/07 1307 | ND | | ND | | ND | |
| **Q7191** | **860** | **MW-60-54** | **4/23/07 1345** | **ND** | | **ND** | | **ND** | |
| Q7276 | 860 | MW-60-54 | 4/25/07 1140 | ND | | ND | | ND | |
| Q7375 | 860 | MW-60-54 | 4/27/07 1135 | ND | | ND | | ND | |
| Q7444 | 860 | MW-60-54 | 4/30/07 0837 | ND | | ND | | ND | |
| Q7993 | 860 | MW-60-54 | 5/7/07 0930 | ND | | ND | | ND | |
| Q7999 | 860 | MW-60-54 | 5/7/07 1721 | ND | | ND | | ND | |
| Q8006 | 860 | MW-60-54 | 5/8/07 1152 | ND | | ND | | ND | |
| Q8353 | 860 | MW-60-54 | 5/16/07 1311 | ND | | ND | | ND | |
| Q8704 | 860 | MW-60-54 | 5/25/07 1133 | ND | | ND | | ND | |
| Q9105 | 860 | MW-60-55 | 6/1/07 1139 | ND | | ND | | ND | |
| R0038 | 860 | MW-60-55 | 6/14/07 1233 | ND | | ND | | ND | |
| R1684 | 860 | MW-60-55 | 7/27/07 1250 | ND | | ND | | ND | |
| R1684 | 860 | MW-60-55 | 7/27/07 1250 | ND | | ND | | ND | |
| **Q7192** | **870** | **MW-60-74** | **4/23/07 1340** | **ND** | | **ND** | | **ND** | |
| Q7277 | 870 | MW-60-74 | 4/25/07 1141 | ND | | ND | | ND | |
| Q7376 | 870 | MW-60-74 | 4/27/07 1138 | ND | | ND | | ND | |
| Q7445 | 870 | MW-60-74 | 4/30/07 0824 | ND | | ND | | ND | |
| Q7994 | 870 | MW-60-74 | 5/7/07 1128 | ND | | ND | | ND | |
| Q8001 | 870 | MW-60-74 | 5/7/07 1722 | ND | | ND | | ND | |

Indian Point Nuclear Facility
Results
Water Samples

| OUL # | Station # | Station Name | Date/Time Recovered | Fluorescein Results Peak nm | Fluorescein Results Conc. ppb | Eosine Results Peak nm | Eosine Results Conc. ppb | RWT Results Peak nm | RWT Results Conc. ppb |
|---|---|---|---|---|---|---|---|---|---|
| Q8007 | 870 | MW-60-74 | 5/8/07 1216 | ND | | ND | | ND | |
| Q8354 | 870 | MW-60-74 | 5/16/07 1312 | ND | | ND | | ND | |
| Q8705 | 870 | MW-60-74 | 5/25/07 1134 | ND | | ND | | ND | |
| Q9106 | 870 | MW-60-72 | 6/1/07 1140 | ND | | ND | | ND | |
| R0039 | 870 | MW-60-72 | 6/14/07 1236 | ND | | ND | | ND | |
| R0039R | 870 | MW-60-72 | 6/14/07 1236 | ND | | ND | | ND | |
| R1685 | 870 | MW-60-72 | 7/27/07 1322 | ND | | ND | | ND | |
| R1685 | 870 | MW-60-72 | 7/27/07 1322 | ND | | ND | | ND | |
| **Q7193** | **880** | **MW-60-137** | **4/23/07 1337** | **ND** | | **ND** | | **ND** | |
| Q7278 | 880 | MW-60-137 | 4/25/07 1144 | ND | | ND | | ND | |
| Q7377 | 880 | MW-60-137 | 4/27/07 1142 | ND | | ND | | ND | |
| Q7446 | 880 | MW-60-137 | 4/30/07 0848 | ND | | ND | | ND | |
| Q7995 | 880 | MW-60-137 | 5/7/07 1400 | ND | | ND | | ND | |
| Q8002 | 880 | MW-60-137 | 5/7/07 1723 | ND | | ND | | ND | |
| Q8008 | 880 | MW-60-137 | 5/8/07 1202 | ND | | ND | | ND | |
| Q8355 | 880 | MW-60-137 | 5/16/07 1317 | ND | | ND | | ND | |
| Q8706 | 880 | MW-60-137 | 5/25/07 1139 | ND | | ND | | ND | |
| Q9107 | 880 | MW-60-135 | 6/1/07 1141 | ND | | ND | | ND | |
| R0041 | 880 | MW-60-135 | 6/14/07 1247 | ND | | ND | | ND | |
| R1686 | 880 | MW-60-135 | 7/27/07 1600 | ND | | ND | | ND | |
| R1686 | 880 | MW-60-135 | 7/27/07 1600 | ND | | ND | | ND | |
| **Q7194** | **885** | **MW-60-156** | **4/23/07 1330** | **ND** | | **ND** | | **ND** | |
| Q7279 | 885 | MW-60-156 | 4/25/07 1145 | ND | | ND | | ND | |
| Q7378 | 885 | MW-60-156 | 4/27/07 1144 | ND | | ND | | ND | |
| Q7447 | 885 | MW-60-156 | 4/30/07 0829 | ND | | ND | | ND | |
| Q7996 | 885 | MW-60-156 | 5/7/07 1403 | ND | | ND | | ND | |
| Q8003 | 885 | MW-60-156 | 5/7/07 1724 | ND | | ND | | ND | |
| Q8009 | 885 | MW-60-156 | 5/8/07 1232 | ND | | ND | | ND | |
| Q8356 | 885 | MW-60-156 | 5/16/07 1319 | ND | | ND | | ND | |
| Q8707 | 885 | MW-60-156 | 5/25/07 1141 | ND | | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q9108 | 885 | MW-60-154 | 6/1/07 1144 | ND | | ND | | ND | |
| R0042 | 885 | MW-60-154 | 6/14/07 1251 | ND | | ND | | ND | |
| R1687 | 885 | MW-60-154 | 7/27/07 1618 | ND | | ND | | ND | |
| R1687 | 885 | MW-60-154 | 7/27/07 1618 | ND | | ND | | ND | |
| **Q7195** | **890** | **MW-60-178** | **4/23/07 1341** | **ND** | | **ND** | | **ND** | |
| Q7281 | 890 | MW-60-178 | 4/25/07 1147 | ND | | ND | | ND | |
| Q7379 | 890 | MW-60-178 | 4/27/07 1150 | ND | | ND | | ND | |
| Q7379R | 890 | MW-60-178 | 4/27/07 1150 | ND | | ND | | ND | |
| Q7448 | 890 | MW-60-178 | 4/30/07 0843 | ND | | ND | | ND | |
| Q7997 | 890 | MW-60-178 | 5/7/07 1430 | ND | | ND | | ND | |
| Q8004 | 890 | MW-60-178 | 5/7/07 1741 | ND | | ND | | ND | |
| Q8010 | 890 | MW-60-178 | 5/8/07 1515 | ND | | ND | | ND | |
| Q8357 | 890 | MW-60-178 | 5/16/07 1323 | ND | | ND | | ND | |
| Q8708 | 890 | MW-60-178 | 5/25/07 1159 | ND | | ND | | ND | |
| Q9109 | 890 | MW-60-176 | 6/1/07 1153 | ND | | ND | | ND | |
| R0043 | 890 | MW-60-176 | 6/14/07 1305 | ND | | ND | | ND | |
| R1688 | 890 | MW-60-176 | 7/27/07 1735 | ND | | ND | | ND | |
| R1688 | 890 | MW-60-176 | 7/27/07 1735 | ND | | ND | | ND | |
| **R1704** | **907** | **MW-66-21** | **7/30/07 1313** | **ND** | | **ND** | | **ND** | |
| R1704 | 907 | MW-66-21 | 7/30/07 1313 | ND | | ND | | ND | |
| **R1705** | **908** | **MW-66-36** | **7/30/07 1245** | **507.4 *** | **0.045** | **ND** | | **ND** | |
| R1705 | 908 | MW-66-36 | 7/30/07 1245 | 507.4 * | 0.045 | ND | | ND | |
| **Q2134** | **909** | **MW-66 (48')** | **2/1/07 0946** | **ND** | | **ND** | | **ND** | |
| Q2256 | 909 | MW-66 (48') | 2/8/07 1300 | ND | | ND | | ND | |
| Q2281 | 909 | MW-66 (48') | 2/9/07 0954 | ND | | ND | | ND | |
| Q2337 | 909 | MW-66 (48') | 2/10/07 0755 | ND | | ND | | ND | |
| Q2296 | 909 | MW-66 (48') | 2/11/07 0801 | ND | | ND | | ND | |
| Q2343 | 909 | MW-66 (48') | 2/12/07 0936 | ND | | ND | | ND | |
| Q2696 | 909 | MW-66 (48') | 2/13/07 0943 | ND | | ND | | ND | |
| Q2701 | 909 | MW-66 (48') | 2/14/07 0946 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Recovered | Fluorescein Results Peak nm | Fluorescein Results Conc. ppb | Eosine Results Peak nm | Eosine Results Conc. ppb | RWT Results Peak nm | RWT Results Conc. ppb |
|---|---|---|---|---|---|---|---|---|---|
| Q3204 | 909 | MW-66 (48') | 2/16/07 1310 | ND | | ND | | ND | |
| Q3199 | 909 | MW-66 (48') | 2/19/07 0841 | ND | | ND | | ND | |
| Q3150 | 909 | MW-66 (48') | 2/21/07 0759 | ND | | ND | | ND | |
| Q3690 | 909 | MW-66 (48') | 2/23/07 0915 | ND | | ND | | ND | |
| Q3555 | 909 | MW-66 (48') | 2/26/07 1018 | ND | | ND | | ND | |
| Q3901 | 909 | MW-66 (48') | 2/28/07 1040 | 509.2 * | 0.025 | ND | | ND | |
| Q4055 | 909 | MW-66 (48') | 3/2/07 1023 | 510.0 * | 0.055 | ND | | ND | |
| Q4082 | 909 | MW-66 (48') | 3/5/07 0825 | ND | | ND | | ND | |
| Q4539 | 909 | MW-66 (48') | 3/7/07 0956 | ND | | ND | | ND | |
| Q4539R | 909 | MW-66 (48') | 3/7/07 0956 | ND | | ND | | ND | |
| Q4678 | 909 | MW-66 (48') | 3/9/07 0740 | ND | | ND | | ND | |
| Q4903 | 909 | MW-66 (48') | 3/12/07 0800 | ND | | ND | | ND | |
| Q4978 | 909 | MW-66 (48') | 3/14/07 1010 | ND | | ND | | ND | |
| Q5296 | 909 | MW-66 (48') | 3/16/07 0850 | ND | | ND | | ND | |
| Q5323 | 909 | MW-66 (48') | 3/19/07 1005 | ND | | ND | | ND | |
| Q5648 | 909 | MW-66 (48') | 3/23/07 0915 | ND | | ND | | ND | |
| Q5749 | 909 | MW-66 (48') | 3/26/07 0817 | ND | | ND | | ND | |
| Q6103 | 909 | MW-66 (48') | 3/29/07 0940 | ND | | ND | | ND | |
| Q6252 | 909 | MW-66 (48') | 4/2/07 0936 | ND | | ND | | ND | |
| Q6826 | 909 | MW-66 (48') | 4/6/07 0923 | ND | | ND | | ND | |
| Q7018 | 909 | MW-66 (48') | 4/10/07 0823 | ND | | ND | | ND | |
| Q7119 | 909 | MW-66 (48') | 4/17/07 0805 | ND | | ND | | ND | |
| Q7119R | 909 | MW-66 (48') | 4/17/07 0805 | ND | | ND | | ND | |
| Q7274 | 909 | MW-66 (48') | 4/24/07 0843 | ND | | ND | | ND | |
| Q7821 | 909 | MW-66 (48') | 5/1/07 1036 | ND | | ND | | ND | |
| Q8391 | 909 | MW-66 (48') | 5/10/07 1058 | ND | | ND | | ND | |
| **Q2133** | **969** | **MW-62 (50')** | **2/1/07 1016** | **ND** | | **ND** | | **ND** | |
| Q2255 | 969 | MW-62 (50') | 2/8/07 1355 | ND | | ND | | ND | |
| Q2279 | 969 | MW-62 (50') | 2/9/07 1017 | ND | | ND | | ND | |
| Q2336 | 969 | MW-62 (50') | 2/10/07 0818 | ND | | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q2295 | 969 | MW-62 (50') | 2/11/07 0820 | ND | | ND | | ND | |
| Q2342 | 969 | MW-62 (50') | 2/12/07 1003 | ND | | ND | | ND | |
| Q2695 | 969 | MW-62 (50') | 2/13/07 0959 | ND | | ND | | ND | |
| Q2699 | 969 | MW-62 (50') | 2/14/07 1008 | ND | | ND | | ND | |
| Q3203 | 969 | MW-62 (50') | 2/16/07 1156 | ND | | ND | | ND | |
| Q3198 | 969 | MW-62 (50') | 2/19/07 0815 | ND | | ND | | ND | |
| Q3149 | 969 | MW-62 (50') | 2/21/07 0828 | ND | | ND | | ND | |
| Q3617 | 969 | MW-62 (50') | 2/23/07 0938 | ND | | ND | | ND | |
| Q3554 | 969 | MW-62 (50') | 2/26/07 1056 | ND | | ND | | ND | |
| Q3899 | 969 | MW-62 (50') | 2/28/07 1110 | ND | | ND | | ND | |
| Q3899R | 969 | MW-62 (50') | 2/28/07 1110 | ND | | ND | | ND | |
| Q4054 | 969 | MW-62 (50') | 3/2/07 1005 | ND | | ND | | ND | |
| Q4081 | 969 | MW-62 (50') | 3/5/07 1022 | ND | | ND | | ND | |
| Q4538 | 969 | MW-62 (50') | 3/7/07 1158 | ND | | ND | | ND | |
| Q4677 | 969 | MW-62 (50') | 3/9/07 0919 | ND | | ND | | ND | |
| Q4902 | 969 | MW-62 (50') | 3/12/07 1002 | ND | | ND | | ND | |
| Q4977 | 969 | MW-62 (50') | 3/14/07 1047 | ND | | ND | | ND | |
| Q5295 | 969 | MW-62 (50') | 3/16/07 0925 | ND | | ND | | ND | |
| Q5322 | 969 | MW-62 (50') | 3/19/07 1035 | ND | | ND | | ND | |
| Q5647 | 969 | MW-62 (50') | 3/23/07 0947 | ND | | ND | | ND | |
| Q5647R | 969 | MW-62 (50') | 3/23/07 0947 | ND | | ND | | ND | |
| Q5748 | 969 | MW-62 (50') | 3/26/07 0842 | ND | | ND | | ND | |
| Q6102 | 969 | MW-62 (50') | 3/29/07 1018 | ND | | ND | | ND | |
| Q6251 | 969 | MW-62 (50') | 4/2/07 1005 | ND | | ND | | ND | |
| Q6825 | 969 | MW-62 (50') | 4/6/07 0948 | ND | | ND | | ND | |
| Q7019 | 969 | MW-62 (50') | 4/10/07 0806 | ND | | ND | | ND | |
| Q7019R | 969 | MW-62 (50') | 4/10/07 0806 | ND | | ND | | ND | |
| **Q7105** | **971** | **MW-62-55** | **4/16/07 1035** | **ND** | | **ND** | | **ND** | |
| Q7044 | 971 | MW-62-55 | 4/18/07 1603 | ND | | ND | | ND | |
| Q7167 | 971 | MW-62-55 | 4/20/07 1154 | ND | | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q7167R | 971 | MW-62-55 | 4/20/07 1154 | ND | | ND | | ND | |
| Q7196 | 971 | MW-62-55 | 4/23/07 1413 | ND | | ND | | ND | |
| Q7282 | 971 | MW-62-55 | 4/25/07 1332 | ND | | ND | | ND | |
| Q7381 | 971 | MW-62-55 | 4/27/07 1050 | ND | | ND | | ND | |
| Q7449 | 971 | MW-62-55 | 4/30/07 1028 | ND | | ND | | ND | |
| Q8011 | 971 | MW-62-55 | 5/8/07 1005 | ND | | ND | | ND | |
| Q8016 | 971 | MW-62-55 | 5/8/07 1330 | ND | | ND | | ND | |
| Q8190 | 971 | MW-62-55 | 5/10/07 1459 | ND | | ND | | ND | |
| Q8358 | 971 | MW-62-55 | 5/16/07 1432 | ND | | ND | | ND | |
| Q8709 | 971 | MW-62-55 | 5/25/07 1011 | ND | | ND | | ND | |
| Q9110 | 971 | MW-62-53 | 6/1/07 1027 | ND | | ND | | ND | |
| R0044 | 971 | MW-62-53 | 6/14/07 1125 | ND | | ND | | ND | |
| R1689 | 971 | MW-62-53 | 7/26/07 1534 | ND | | ND | | ND | |
| R1689 | 971 | MW-62-53 | 7/26/07 1534 | ND | | ND | | ND | |
| **Q7106** | **981** | **MW-62-73** | **4/16/07 1037** | **ND** | | **ND** | | **ND** | |
| Q7045 | 981 | MW-62-73 | 4/18/07 1554 | ND | | ND | | ND | |
| Q7168 | 981 | MW-62-73 | 4/20/07 1150 | ND | | ND | | ND | |
| Q7197 | 981 | MW-62-73 | 4/23/07 1414 | ND | | ND | | ND | |
| Q7283 | 981 | MW-62-73 | 4/25/07 1335 | ND | | ND | | ND | |
| Q7382 | 981 | MW-62-73 | 4/27/07 1052 | ND | | ND | | ND | |
| Q7450 | 981 | MW-62-73 | 4/30/07 1034 | ND | | ND | | ND | |
| Q8012 | 981 | MW-62-73 | 5/8/07 1057 | ND | | ND | | ND | |
| Q8017 | 981 | MW-62-73 | 5/8/07 1410 | ND | | ND | | ND | |
| Q8191 | 981 | MW-62-73 | 5/10/07 1134 | ND | | ND | | ND | |
| Q8359 | 981 | MW-62-73 | 5/16/07 1433 | ND | | ND | | ND | |
| Q8359R | 981 | MW-62-73 | 5/16/07 1433 | ND | | ND | | ND | |
| Q8710 | 981 | MW-62-73 | 5/25/07 1013 | ND | | ND | | ND | |
| Q9111 | 981 | MW-62-73 | 6/1/07 1028 | ND | | ND | | ND | |
| R0045 | 981 | MW-62-71 | 6/14/07 1113 | ND | | ND | | ND | |
| R1690 | 981 | MW-62-73 | 7/26/07 1220 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Recovered | Fluorescein Results Peak nm | Fluorescein Results Conc. ppb | Eosine Results Peak nm | Eosine Results Conc. ppb | RWT Results Peak nm | RWT Results Conc. ppb |
|---|---|---|---|---|---|---|---|---|---|
| R1690 | 981 | MW-62-73 | 7/26/07 1220 | ND | | ND | | ND | |
| **Q8333** | **990** | **MW-62-18** | **5/16/07 1402** | **508.2 (3)** | **0.107** | **ND** | | **ND** | |
| Q8334 | 990 | MW-62-18 | 5/16/07 1416 | ND | | ND | | ND | |
| Q8338 | 990 | MW-62-18 | 5/17/07 1110 | ND | | ND | | ND | |
| R1701 | 990 | MW-62-18 | 7/26/07 1739 | ND | | ND | | ND | |
| R1701 | 990 | MW-62-18 | 7/26/07 1739 | ND | | ND | | ND | |
| **Q7107** | **991** | **MW-62-94** | **4/16/07 1039** | **ND** | | **ND** | | **ND** | |
| Q7046 | 991 | MW-62-94 | 4/18/07 1555 | ND | | ND | | ND | |
| Q7169 | 991 | MW-62-94 | 4/20/07 1148 | ND | | ND | | ND | |
| Q7198 | 991 | MW-62-94 | 4/23/07 1415 | ND | | ND | | ND | |
| Q7198R | 991 | MW-62-94 | 4/23/07 1415 | ND | | ND | | ND | |
| Q7284 | 991 | MW-62-94 | 4/25/07 1337 | ND | | ND | | ND | |
| Q7383 | 991 | MW-62-94 | 4/27/07 1053 | ND | | ND | | ND | |
| Q7451 | 991 | MW-62-94 | 4/30/07 1028 | ND | | ND | | ND | |
| Q8013 | 991 | MW-62-94 | 5/8/07 1024 | ND | | ND | | ND | |
| Q8018 | 991 | MW-62-94 | 5/8/07 1320 | ND | | ND | | ND | |
| Q8192 | 991 | MW-62-94 | 5/10/07 1117 | ND | | ND | | ND | |
| Q8361 | 991 | MW-62-94 | 5/16/07 1434 | ND | | ND | | ND | |
| Q8711 | 991 | MW-62-94 | 5/25/07 1014 | ND | | ND | | ND | |
| Q9112 | 991 | MW-62-92 | 6/1/07 1029 | ND | | ND | | ND | |
| R0046 | 991 | MW-62-92 | 6/14/07 1115 | ND | | ND | | ND | |
| R1691 | 991 | MW-62-92 | 7/26/07 1235 | ND | | ND | | ND | |
| R1691 | 991 | MW-62-92 | 7/26/07 1235 | ND | | ND | | ND | |
| **Q8336** | **1000** | **MW-62-35** | **5/16/07 1454** | **512.2 (3)** | **0.059** | **ND** | | **ND** | |
| Q8337 | 1000 | MW-62-35 | 5/16/07 1522 | 509.9 (3) | 0.042 | ND | | ND | |
| Q8335 | 1000 | MW-62-35 | 5/17/07 1310 | ND | | ND | | ND | |
| R1702 | 1000 | MW-62-37 | 7/26/07 1737 | ND | | ND | | ND | |
| R1702 | 1000 | MW-62-37 | 7/26/07 1737 | ND | | ND | | ND | |
| **Q7108** | **1011** | **MW-62-140** | **4/16/07 1043** | **ND** | | **ND** | | **ND** | |
| Q7047 | 1011 | MW-62-140 | 4/18/07 1440 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Recovered | Fluorescein Results Peak nm | Fluorescein Results Conc. ppb | Eosine Results Peak nm | Eosine Results Conc. ppb | RWT Results Peak nm | RWT Results Conc. ppb |
|---|---|---|---|---|---|---|---|---|---|
| Q7170 | 1011 | MW-62-140 | 4/20/07 1141 | ND | | ND | | ND | |
| Q7199 | 1011 | MW-62-140 | 4/23/07 1420 | ND | | ND | | ND | |
| Q7285 | 1011 | MW-62-140 | 4/25/07 1341 | ND | | ND | | ND | |
| Q7384 | 1011 | MW-62-140 | 4/27/07 1059 | ND | | ND | | ND | |
| Q7452 | 1011 | MW-62-140 | 4/30/07 1036 | ND | | ND | | ND | |
| Q8014 | 1011 | MW-62-140 | 5/8/07 1015 | ND | | ND | | ND | |
| Q8019 | 1011 | MW-62-140 | 5/8/07 1220 | ND | | ND | | ND | |
| Q8193 | 1011 | MW-62-140 | 5/10/07 1021 | ND | | ND | | ND | |
| Q8362 | 1011 | MW-62-140 | 5/16/07 1439 | ND | | ND | | ND | |
| Q8712 | 1011 | MW-62-140 | 5/25/07 1021 | ND | | ND | | ND | |
| Q9113 | 1011 | MW-62-138 | 6/1/07 1044 | ND | | ND | | ND | |
| R0047 | 1011 | MW-62-138 | 6/14/07 1135 | ND | | ND | | ND | |
| R1692 | 1011 | MW-62-138 | 7/26/07 1555 | ND | | ND | | ND | |
| R1692 | 1011 | MW-62-138 | 7/26/07 1555 | ND | | ND | | ND | |
| **Q7109** | **1021** | **MW-62-184** | **4/16/07 1055** | **ND** | | **ND** | | **ND** | |
| Q7048 | 1021 | MW-62-184 | 4/18/07 1545 | ND | | ND | | ND | |
| Q7171 | 1021 | MW-62-184 | 4/20/07 1145 | ND | | ND | | ND | |
| Q7201 | 1021 | MW-62-184 | 4/23/07 1422 | ND | | ND | | ND | |
| Q7286 | 1021 | MW-62-184 | 4/25/07 1342 | ND | | ND | | ND | |
| Q7385 | 1021 | MW-62-184 | 4/27/07 1100 | ND | | ND | | ND | |
| Q7453 | 1021 | MW-62-184 | 4/30/07 1043 | ND | | ND | | ND | |
| Q8015 | 1021 | MW-62-184 | 5/8/07 1018 | ND | | ND | | ND | |
| Q8021 | 1021 | MW-62-184 | 5/8/07 1303 | ND | | ND | | ND | |
| Q8021R | 1021 | MW-62-184 | 5/8/07 1303 | ND | | ND | | ND | |
| Q8194 | 1021 | MW-62-184 | 5/10/07 1042 | ND | | ND | | ND | |
| Q8345 | 1021 | MW-62-184 | 5/16/07 1441 | ND | | ND | | ND | |
| Q8713 | 1021 | MW-62-184 | 5/25/07 1026 | ND | | ND | | ND | |
| Q9114 | 1021 | MW-62-184 | 6/1/07 1048 | ND | | ND | | ND | |
| R0048 | 1021 | MW-62-184 | 6/14/07 1143 | ND | | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| R1693 | 1021 | MW-62-182 | 7/26/07 1620 | ND | | ND | | ND | |
| R1693 | 1021 | MW-62-182 | 7/26/07 1620 | ND | | ND | | ND | |
| **Q2116** | **1029** | **MW-63 (35')** | **2/1/07 1225** | **ND** | | **ND** | | **ND** | |
| Q2285 | 1029 | MW-63 (35') | 2/8/07 1218 | ND | | ND | | ND | |
| Q2231 | 1029 | MW-63 (35') | 2/9/07 1104 | ND | | ND | | ND | |
| Q2335 | 1029 | MW-63 (35') | 2/10/07 1007 | ND | | ND | | ND | |
| Q2294 | 1029 | MW-63 (35') | 2/11/07 0737 | ND | | ND | | ND | |
| **Q7202** | **1030** | **MW-63-52** | **4/23/07 1442** | **ND** | | **ND** | | **ND** | |
| Q7287 | 1030 | MW-63-52 | 4/25/07 1518 | ND | | ND | | ND | |
| Q7386 | 1030 | MW-63-52 | 4/27/07 0951 | ND | | ND | | ND | |
| Q7454 | 1030 | MW-63-52 | 4/30/07 1141 | ND | | ND | | ND | |
| Q8365 | 1030 | MW-63-52 | 5/14/07 0934 | ND | | ND | | ND | |
| Q8371 | 1030 | MW-63-52 | 5/14/07 1207 | ND | | ND | | ND | |
| Q8377 | 1030 | MW-63-52 | 5/15/07 1148 | ND | | ND | | ND | |
| Q8714 | 1030 | MW-63-52 | 5/25/07 0905 | ND | | ND | | ND | |
| Q9115 | 1030 | MW-63-50 | 6/1/07 0951 | ND | | ND | | ND | |
| R0049 | 1030 | MW-63-50 | 6/14/07 0956 | ND | | ND | | ND | |
| R1694 | 1030 | MW-63-50 | 7/25/07 1313 | ND | | ND | | ND | |
| R1694 | 1030 | MW-63-50 | 7/25/07 1313 | ND | | ND | | ND | |
| **Q2341** | **1031** | **MW-63 (53')** | **2/12/07 1138** | **ND** | | **ND** | | **ND** | |
| Q2694 | 1031 | MW-63 (53') | 2/13/07 0851 | ND | | ND | | ND | |
| Q2694R | 1031 | MW-63 (53') | 2/13/07 0851 | ND | | ND | | ND | |
| Q2698 | 1031 | MW-63 (53') | 2/14/07 0910 | ND | | ND | | ND | |
| Q3202 | 1031 | MW-63 (53') | 2/16/07 1255 | ND | | ND | | ND | |
| Q3197 | 1031 | MW-63 (53') | 2/19/07 1005 | ND | | ND | | ND | |
| Q3148 | 1031 | MW-63 (53') | 2/21/07 1049 | ND | | ND | | ND | |
| Q3616 | 1031 | MW-63 (53') | 2/23/07 1025 | ND | | ND | | ND | |
| Q3553 | 1031 | MW-63 (53') | 2/26/07 1125 | ND | | ND | | ND | |
| Q3898 | 1031 | MW-63 (53') | 2/28/07 1146 | ND | | ND | | ND | |
| Q4053 | 1031 | MW-63 (53') | 3/2/07 1054 | ND | | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q4079 | 1031 | MW-63 (53') | 3/5/07 1050 | ND | | ND | | ND | |
| Q4079R | 1031 | MW-63 (53') | 3/5/07 1050 | ND | | ND | | ND | |
| Q4537 | 1031 | MW-63 (53') | 3/7/07 1345 | ND | | ND | | ND | |
| Q4976 | 1031 | MW-63 (53') | 3/14/07 1118 | ND | | ND | | ND | |
| Q5294 | 1031 | MW-63 (53') | 3/16/07 0954 | ND | | ND | | ND | |
| Q5321 | 1031 | MW-63 (53') | 3/19/07 1105 | ND | | ND | | ND | |
| Q5646 | 1031 | MW-63 (53') | 3/23/07 1022 | ND | | ND | | ND | |
| Q5747 | 1031 | MW-63 (53') | 3/26/07 1043 | ND | | ND | | ND | |
| Q6101 | 1031 | MW-63 (53') | 3/29/07 1100 | ND | | ND | | ND | |
| Q6250 | 1031 | MW-63 (53') | 4/2/07 1028 | ND | | ND | | ND | |
| Q6824 | 1031 | MW-63 (53') | 4/6/07 1017 | ND | | ND | | ND | |
| Q7021 | 1031 | MW-63 (53') | 4/10/07 0954 | ND | | ND | | ND | |
| Q7118 | 1031 | MW-63 (53') | 4/17/07 0920 | ND | | ND | | ND | |
| **Q7203** | **1040** | **MW-63-93** | **4/23/07 1446** | **ND** | | **ND** | | **ND** | |
| Q7288 | 1040 | MW-63-93 | 4/25/07 1515 | ND | | ND | | ND | |
| Q7387 | 1040 | MW-63-93 | 4/27/07 0956 | ND | | ND | | ND | |
| Q7455 | 1040 | MW-63-93 | 4/30/07 1142 | ND | | ND | | ND | |
| Q8366 | 1040 | MW-63-93 | 5/14/07 0935 | ND | | ND | | ND | |
| Q8372 | 1040 | MW-63-93 | 5/14/07 1312 | ND | | ND | | ND | |
| Q8378 | 1040 | MW-63-93 | 5/15/07 1245 | ND | | ND | | ND | |
| Q8715 | 1040 | MW-63-93 | 5/25/07 0907 | ND | | ND | | ND | |
| Q9116 | 1040 | MW-63-93 | 6/1/07 0952 | ND | | ND | | ND | |
| R0050 | 1040 | MW-63-93 | 6/14/07 1010 | ND | | ND | | ND | |
| R1695 | 1040 | MW-63-93 | 7/25/07 1340 | ND | | ND | | ND | |
| R1695 | 1040 | MW-63-93 | 7/25/07 1340 | ND | | ND | | ND | |
| **Q7204** | **1041** | **MW-63-114** | **4/23/07 1451** | **ND** | | **ND** | | **ND** | |
| Q7289 | 1041 | MW-63-114 | 4/25/07 1520 | ND | | ND | | ND | |
| Q7388 | 1041 | MW-63-114 | 4/27/07 0958 | ND | | ND | | ND | |
| Q7456 | 1041 | MW-63-114 | 4/30/07 1126 | ND | | ND | | ND | |
| Q8367 | 1041 | MW-63-114 | 5/14/07 0938 | ND | | ND | | ND | |

| OUL | Station | Station Name | Date/Time | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| # | # | | Recovered | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q8373 | 1041 | MW-63-114 | 5/14/07 1102 | ND | | ND | | ND | |
| Q8379 | 1041 | MW-63-114 | 5/15/07 1310 | ND | | ND | | ND | |
| Q8379R | 1041 | MW-63-114 | 5/15/07 1310 | ND | | ND | | ND | |
| Q8716 | 1041 | MW-63-114 | 5/25/07 0911 | ND | | ND | | ND | |
| Q9117 | 1041 | MW-63-112 | 6/1/07 0956 | ND | | ND | | ND | |
| R0051 | 1041 | MW-63-112 | 6/14/07 1000 | ND | | ND | | ND | |
| R1696 | 1041 | MW-63-112 | 7/25/07 1348 | ND | | ND | | ND | |
| R1696 | 1041 | MW-63-112 | 7/25/07 1348 | ND | | ND | | ND | |
| **Q8339** | **1050** | **MW-63-18** | **5/16/07 1115** | **ND** | | **ND** | | **ND** | |
| Q8344 | 1050 | MW-63-18 | 5/18/07 1035 | ND | | ND | | ND | |
| R1703 | 1050 | MW-63-18 | 7/30/07 1310 | ND | | ND | | ND | |
| R1703 | 1050 | MW-63-18 | 7/30/07 1310 | ND | | ND | | ND | |
| **Q8342** | **1060** | **MW-63-35** | **5/16/07 1131** | **ND** | | **ND** | | **ND** | |
| Q8341 | 1060 | MW-63-35 | 5/16/07 1206 | ND | | ND | | ND | |
| Q8343 | 1060 | MW-63-35 | 5/18/07 1303 | ND | | ND | | ND | |
| R1706 | 1060 | MW63-34 | 7/31/07 0912 | ND | | ND | | ND | |
| R1706 | 1060 | MW63-34 | 7/31/07 0912 | ND | | ND | | ND | |
| **Q7205** | **1070** | **MW-63-124** | **4/23/07 1455** | **ND** | | **ND** | | **ND** | |
| Q7290 | 1070 | MW-63-124 | 4/25/07 1523 | ND | | ND | | ND | |
| Q7389 | 1070 | MW-63-124 | 4/27/07 1000 | ND | | ND | | ND | |
| Q7457 | 1070 | MW-63-124 | 4/30/07 1134 | ND | | ND | | ND | |
| Q8368 | 1070 | MW-63-124 | 5/14/07 0944 | ND | | ND | | ND | |
| Q8374 | 1070 | MW-63-124 | 5/14/07 1254 | ND | | ND | | ND | |
| Q8381 | 1070 | MW-63-124 | 5/15/07 1342 | ND | | ND | | ND | |
| Q8717 | 1070 | MW-63-124 | 5/25/07 0913 | ND | | ND | | ND | |
| Q9118 | 1070 | MW-63-121 | 6/1/07 0950 | ND | | ND | | ND | |
| R0052 | 1070 | MW-63-121 | 6/14/07 1015 | ND | | ND | | ND | |
| R1697 | 1070 | MW-63-121 | 7/25/07 1038 | ND | | ND | | ND | |
| R1697 | 1070 | MW-63-121 | 7/25/07 1038 | ND | | ND | | ND | |
| **Q7206** | **1075** | **MW-63-164** | **4/23/07 1457** | **ND** | | **ND** | | **ND** | |

Indian Point Nuclear Facility
Results
Water Samples

| OUL # | Station # | Station Name | Date/Time Recovered | Fluorescein Results Peak nm | Fluorescein Results Conc. ppb | Eosine Results Peak nm | Eosine Results Conc. ppb | RWT Results Peak nm | RWT Results Conc. ppb |
|---|---|---|---|---|---|---|---|---|---|
| Q7291 | 1075 | MW-63-164 | 4/25/07 1525 | ND | | ND | | ND | |
| Q7390 | 1075 | MW-63-164 | 4/27/07 1002 | ND | | ND | | ND | |
| Q7458 | 1075 | MW-63-164 | 4/30/07 1136 | ND | | ND | | ND | |
| Q8369 | 1075 | MW-63-164 | 5/14/07 0936 | ND | | ND | | ND | |
| Q8375 | 1075 | MW-63-164 | 5/14/07 1146 | ND | | ND | | ND | |
| Q8363 | 1075 | MW-63-164 | 5/15/07 1224 | ND | | ND | | ND | |
| Q8718 | 1075 | MW-63-164 | 5/25/07 0919 | ND | | ND | | ND | |
| Q9119 | 1075 | MW-63-163 | 6/1/07 0949 | ND | | ND | | ND | |
| Q9119R | 1075 | MW-63-163 | 6/1/07 0949 | ND | | ND | | ND | |
| R0053 | 1075 | MW-63-163 | 6/14/07 1020 | ND | | ND | | ND | |
| R1698 | 1075 | MW-63-163 | 7/25/07 1039 | ND | | ND | | ND | |
| R1698 | 1075 | MW-63-163 | 7/25/07 1039 | ND | | ND | | ND | |
| **Q7207** | **1080** | **MW-63-176** | **4/23/07 1458** | **ND** | | **ND** | | **ND** | |
| Q7207R | 1080 | MW-63-176 | 4/23/07 1458 | ND | | ND | | ND | |
| Q7292 | 1080 | MW-63-176 | 4/25/07 1526 | ND | | ND | | ND | |
| Q7292R | 1080 | MW-63-176 | 4/25/07 1526 | ND | | ND | | ND | |
| Q7391 | 1080 | MW-63-176 | 4/27/07 1003 | ND | | ND | | ND | |
| Q7459 | 1080 | MW-63-176 | 4/30/07 1137 | ND | | ND | | ND | |
| Q7459R | 1080 | MW-63-176 | 4/30/07 1137 | ND | | ND | | ND | |
| Q8370 | 1080 | MW-63-176 | 5/14/07 0937 | ND | | ND | | ND | |
| Q8376 | 1080 | MW-63-176 | 5/14/07 1227 | ND | | ND | | ND | |
| Q8364 | 1080 | MW-63-176 | 5/15/07 1154 | ND | | ND | | ND | |
| Q8719 | 1080 | MW-63-176 | 5/25/07 0917 | ND | | ND | | ND | |
| Q8719R | 1080 | MW-63-176 | 5/25/07 0917 | ND | | ND | | ND | |
| Q9121 | 1080 | MW-174 | 6/1/07 0945 | ND | | ND | | ND | |
| R0054 | 1080 | MW-63-174 | 6/14/07 1012 | ND | | ND | | ND | |
| R1699 | 1080 | MW-63-174 | 7/25/07 1040 | ND | | ND | | ND | |
| R1699 | 1080 | MW-63-174 | 7/25/07 1040 | ND | | ND | | ND | |
| **Q5529** | **1123** | **MW-111** | **2/23/07 0815** | **ND** | | **ND** | | **ND** | |
| Q5530 | 1123 | MW-111 | 2/26/07 0945 | ND | | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Recovered | Fluorescein Results Peak nm | Fluorescein Results Conc. ppb | Eosine Results Peak nm | Eosine Results Conc. ppb | RWT Results Peak nm | RWT Results Conc. ppb |
|---|---|---|---|---|---|---|---|---|---|
| Q5531 | 1123 | MW-111 | 2/28/07 0948 | ND | | ND | | ND | |
| Q5532 | 1123 | MW-111 | 3/2/07 0000 | ND | | ND | | ND | |
| Q5533 | 1123 | MW-111 | 3/5/07 0856 | 508.9 | 0.124 | ND | | ND | |
| Q4877 | 1123 | MW-111 | 3/7/07 1035 | 508.3 | 0.869 | ND | | ND | |
| Q4885 | 1123 | MW-111 | 3/9/07 0810 | 508.6 | 1.05 | ND | | ND | |
| Q4933 | 1123 | MW-111 | 3/12/07 0859 | 508.3 | 1.03 | ND | | ND | |
| Q5241 | 1123 | MW-111 | 3/14/07 0845 | 508.3 | 1.09 | ND | | ND | |
| Q6071 | 1123 | MW-111 | 3/16/07 0749 | 508.2 | 0.945 | ND | | ND | |
| Q6072 | 1123 | MW-111 | 3/20/07 0745 | 508.3 | 0.935 | ND | | ND | |
| Q6073 | 1123 | MW-111 | 3/23/07 0811 | 508.6 | 0.053 | ND | | ND | |
| Q6074 | 1123 | MW-111 | 3/26/07 0910 | 508.0 | 0.703 | ND | | ND | |
| Q6074R | 1123 | MW-111 | 3/26/07 0910 | 508.3 | 0.709 | ND | | ND | |
| Q6415 | 1123 | MW-111 | 3/29/07 1129 | 508.5 | 1.57 | ND | | ND | |
| Q6595 | 1123 | MW-111 | 4/2/07 0839 | 508.3 | 1.60 | ND | | ND | |
| Q6823 | 1123 | MW-111 | 4/6/07 0825 | 508.3 | 1.01 | ND | | ND | |
| Q7011 | 1123 | MW-111 | 4/9/07 0915 | 508.3 | 1.68 | ND | | ND | |
| Q7428 | 1123 | MW-111 | 4/23/07 0859 | 508.5 | 0.492 | ND | | ND | |
| Q7795 | 1123 | MW-111 | 4/30/07 0810 | 508.7 | 1.87 | ND | | ND | |
| Q8113 | 1123 | MW-111 | 5/8/07 1505 | 508.3 | 2.90 | ND | | ND | |
| **Q6075** | **1127** | **Sphere Foundation Sump-U1** | **12/6/06 0858** | **ND** | | **ND** | | **ND** | |
| **Q2282** | **1240** | **RW-1 (110')** | **2/9/07 1605** | **508.2** | **5.39** | **ND** | | **ND** | |
| Q2282R | 1240 | RW-1 (110') | 2/9/07 1605 | 508.3 | 5.35 | ND | | ND | |
| Q2367 | 1240 | RW-1 (110') | 2/10/07 0907 | 508.4 | 198 | ND | | ND | |
| Q2371 | 1240 | RW-1 (110') | 2/11/07 1100 | 508.3 | 985 | ND | | ND | |
| Q2365 | 1240 | RW-1 (110') | 2/12/07 0852 | 508.4 | 661 | ND | | ND | |
| Q3069 | 1240 | RW-1 (110') | 2/13/07 0810 | 508.5 | 659 | ND | | ND | |
| Q3066 | 1240 | RW-1 (110') | 2/14/07 0901 | 508.3 | 379 | ND | | ND | |
| Q3046 | 1240 | RW-1 (110') | 2/15/07 0840 | 508.8 | 172 | ND | | ND | |
| Q3050 | 1240 | RW-1 (110') | 2/16/07 0835 | 508.6 | 565 | ND | | ND | |
| Q3054 | 1240 | RW-1 (110') | 2/17/07 1013 | 508.5 | 370 | ND | | ND | |

| OUL # | Station # | Station Name | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q3058 | 1240 | RW-1 (110') | 2/18/07 1004 | 508.2 | 405 | ND | | ND | |
| Q3063 | 1240 | RW-1 (110') | 2/19/07 1042 | 508.3 | 262 | ND | | ND | |
| Q3122 | 1240 | RW-1 (110') | 2/20/07 0850 | 508.8 | 222 | ND | | ND | |
| Q3145 | 1240 | RW-1 (110') | 2/21/07 0922 | 508.7 | 186 | ND | | ND | |
| **Q3639** | **1242** | **RW-1 (97')** | **2/23/07 0848** | **508.6** | **255** | **ND** | | **ND** | |
| Q3688 | 1242 | RW-1 (97') | 2/26/07 0900 | 508.3 | 193 | ND | | ND | |
| Q3684 | 1242 | RW-1 (97') | 2/27/07 1037 | 508.5 | 166 | ND | | ND | |
| Q3895 | 1242 | RW-1 (97') | 2/28/07 1115 | 508.7 | 152 | ND | | ND | |
| Q4022 | 1242 | RW-1 (97') | 3/1/07 1200 | 508.3 | 168 | ND | | ND | |
| Q4050 | 1242 | RW-1 (97') | 3/2/07 0909 | 508.3 | 142 | ND | | ND | |
| Q4077 | 1242 | RW-1 (97') | 3/5/07 1135 | 508.2 | 109 | ND | | ND | |
| Q4533 | 1242 | RW-1 (97') | 3/6/07 0946 | 508.5 | 139 | ND | | ND | |
| Q4531 | 1242 | RW-1 (97') | 3/7/07 1156 | 508.3 | 102 | ND | | ND | |

**Table 3.** **Quality control results for field equipment analyzed for the presence of fluorescein, eosine and rhodamine WT (RWT) dyes.**
Peak wavelengths are reported in nanometers (nm); dye concentrations are reported in parts per billion (ppb).

| OUL # | Station # | Station Name | Date/Time Placed | Date/Time Recovered | Fluorescein Results | | Eosine Results | | RWT Results | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Peak nm | Conc. ppb | Peak nm | Conc. ppb | Peak nm | Conc. ppb |
| Q1064 | ET | Electrical Tape | | 11/28/06 1354 | ND | | ND | | ND | |
| Q1063 | SC | Indian Point Sampler Cord | | 11/28/06 0909 | ND | | ND | | ND | |

**Footnotes:**

ND = No dye detected

* = A fluorescence peak is present that does not meet all the criteria for a positive dye result. However, it has been calculated as though it were the tracer dye for background purposes.

** = A fluorescence peak is present that does not meet all the criteria for a positive dye result. However, it has been calculated as a positive dye result.

NDT = No date or time given

(1) = Two water samples were collected on this date at different times.

(2) = A fluorescence peak is present that does not meet all the criteria for a positive dye result. However, it has been calculated as though it were the tracer dye because dye was found in the corresponding charcoal sample.

(3) = A fluorescence peak is present that does not meet all the criteria for a positive dye result. However, it has been calculated as though it were the tracer dye.

# APPENDIX O

SURFACE GEOPHYSICAL SURVEY REPORTS

ADVANCED GEOLOGICAL SERVICES

3 Mystic Lane
Malvern, PA19355
(610) 722-5500 (ph.)
(610) 722-0250 (fax)

March 21, 2006
Ref. No.: 05-426-2

Dr. David Winslow
GZA GeoEnvironmental of New York, Inc
Two Pennsylvania Plaza, 18th Floor
New York, New York 10121

**Subject:** Geophysical Investigation Results
Indian Point Nuclear Power Plant Site
Transformer Yard Unit 3
Buchanan, New York

Dear Mr. Winslow:

Advanced Geological Services (AGS) presents this letter report to GZA GeoEnvironmental (GZA) of New York, New York detailing the methods and results of a geophysical investigation conducted at the Indian Point Nuclear Power Plant Site in Buchanan, New York. The area of investigation centered in the transformer yard of unit 3. The objective of the survey was to map the depth to bedrock for the transformer yard. The field activities for this investigation were completed by AGS from January 25 and 26, 2006.

**Methods**

To meet the objectives of the investigation, AGS utilized the ground penetrating radar (GPR) method. GPR profiles were collected in a grid pattern with a spacing of ten feet throughout the survey area, except for areas with significant surficial obstructions. Special attention was given to the area around monitoring well MW46 so correlations between MW46 and successive parallel GPR profiles could be interpolated throughout the survey area.

The depth to bedrock, as defined by the onsite GZA representative, at MW46 was approximately 7 feet. The GPR profiles near the monitoring well MW46 were closely analyzed to correlate the known depth to bedrock with a specific reflector or group of reflectors. Then the reflector was extrapolated on every GPR profile throughout the entire survey area. Using a standard velocity function the approximate depths to bedrock, measured from the ground surface, were transferred and contoured (Figure 1).

## Ground Penetrating Radar (GPR) Method

The GPR method is based upon the transmission of repetitive, radio-frequency electromagnetic (EM) pulses into the subsurface. When the transmitted energy of down-going wave contacts an interface of dissimilar electrical character, part of the energy is returned to the surface in the form of a reflected signal. This reflected signal is detected by a receiving transducer and is displayed on the screen of the GPR unit as well as being recorded on the internal hard-drive. The received GPR response remains constant as long as the electrical contrast between media is present and constant. Lateral or vertical changes in the electrical properties of the subsurface result in equivalent changes in the GPR responses. The system records a continuous image of the subsurface by plotting two-way travel time of the reflected EM pulse versus distance traveled along the ground surface. Two-way travel time values are then converted to depth using soil velocity functions.

The GPR field procedures involved (1) instrument calibration, (2) test run completion, (3) production profile collection and recording, and (4) data storage for subsequent processing and analysis in the office. Each radar profile was examined for characteristic GPR signatures that may indicate the presence of buried targets. A Geophysical Survey System SIR System 2 and a 200 megahertz (MHz) antenna were used with a recording window of 185 nanoseconds (ns) to provide the required depth penetration and subsurface detail.

## Results

A site map, containing the approximate depth to bedrock and the locations of representative GPR profiles, is shown on Figure 1.

The approximate depth to bedrock ranged between 7.5 and 10.5 feet (Figure 1). Generally the northern and southern ends of the survey area had the deepest and shallowest depths to bedrock respectively.

Although GPR data was collected across the entire survey area, there are not data points for every area. This problem partly arose because of obstacles that impeded data collection and other areas did not have a bedrock reflector or group of reflectors that could be traced across the entire profile.

## Closing

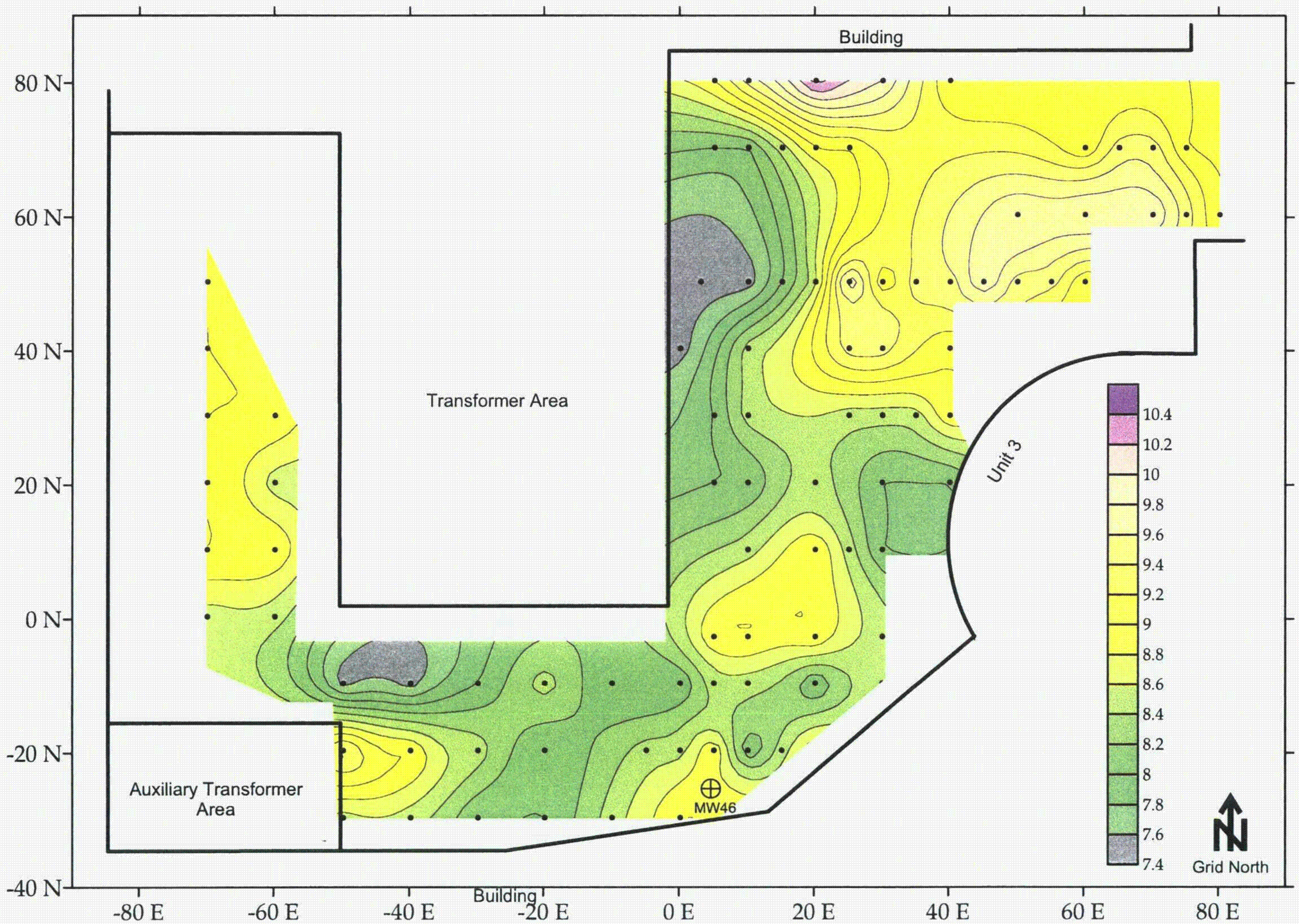
All geophysical data and field notes collected as a part of this investigation will be archived at the AGS office. The data collection and interpretation methods used in this investigation are consistent with standard practices applied to similar geophysical investigations. The correlation of geophysical responses with probable subsurface features is based on the past results of similar surveys although it is possible that some variation could exist at this site. Due to the nature of geophysical data, no guarantees can be made or implied regarding the presence or absence of additional objects or targets beyond those identified.

If you have any questions regarding the results of this field investigation, please contact me at 610-722-5500. It was a pleasure working with you on this project and we look forward to being able to provide you with sub-surface imaging services in the future.

Sincerely,

Christopher Call M.S.
Project Geophysicist, AGS

Encl.: Figure 1 – Depth to Bedrock Contour Map




**Notes**

(1) A SIR2 GPR System by GSSI was used for this survey. One monitoring well was located in the survey area, which provided a depth point with was extrapolated throughout the GPR profiles. MW 46 had a recorded depth to bedrock at approximately 7 feet.
(2) GPR profiles were collected in a grid pattern with a ten foot spacing. Depths taken from these GPR profiles are shown on this figure.
(3) The black dots in this figure are the actual data points used to contour this figure.
(4) The depth of investigation for the GPR unit was approximately 20 feet. The depths included in this document should be considered approximate.
(5) The field positions were not surveyed by a licensed surveyor and should be considered approximate.

Date: March 21, 2006

AGS Reference: 05-426-2 cc

**Figure 1**
**Depth to Bedrock Contour Map**

GZA GeoEnvironmental of New York, Inc.
Indian Point Nuclear Power Plant
Transformer Yard of Unit 3
Buchanan, New York

ADVANCED GEOLOGICAL SERVICES

3 Mystic Lane
Malvern, PA19355
(610) 722-5500 (ph.)
(610) 722-0250 (fax)

July 21, 2006
Ref. No.: 05-426-9

Mr. David Winslow
GZA GeoEnvironmental of New York, Inc
Two Pennsylvania Plaza, 18th Floor
New York, New York 10121

**Subject**: Geophysical Investigation Results
Indian Point Nuclear Power Plant Site
Buchanan, New York

Dear Mr. Winslow:

Advanced Geological Services (AGS) presents this letter report to GZA GeoEnvironmental (GZA) of New York, New York detailing the methods and results of a geophysical investigation conducted at the Indian Point Nuclear Power Plant Site in Buchanan, New York. The area of investigation included the gravel section, just south of the Unit 2 transformers. The objective of the survey was to map the depth to bedrock for this section of the transformer yard of unit 2 and correlate its results with the data collected in previous surveys located in several areas of the transformer yard.

**Methods**

To meet the objectives of the investigation, data from previous surveys (05-426-1, 05-426-3, 05-426-6 and 05-426-8) were combined and correlated with data collected south of the transformer pads to provide a comprehensive depth to bedrock map that includes most of the accessible regions of the Unit 2 transformer yard. The methods and procedures for these surveys, including the area south of the transformer pads are summarized below.

AGS utilized the ground penetrating radar (GPR) method. In this survey GPR profiles were collected in a grid pattern with a spacing ranging between approximately five and ten feet throughout the survey area, except for areas with significant surficial obstructions. The spacing was largely dependent on the accessibility of each specific area.

Special attention was given to the areas around the five monitoring wells, so correlations between them could be made and interpolated throughout the various surveys across the transformer yard. The depth to bedrock, as defined by the onsite GZA representative, at MW35, MW34, MW33, MW111 and MW 52 was 7, 3.5, 6.5, 18 and 12 feet, respectively. The GPR profiles near the monitoring wells were closely analyzed to correlate the known depth to bedrock at these locations with a specific reflector or group of reflectors. The reflectors, associated with bedrock, were extrapolated on every GPR profile throughout the entire survey area. Using a soil velocity function the approximate depths to bedrock, measured from the ground surface, were transferred and contoured on figure 1.

**Ground Penetrating Radar (GPR) Method**

The GPR method is based upon the transmission of repetitive, radio-frequency electromagnetic (EM) pulses into the subsurface. When the transmitted energy of down-going wave contacts an interface of dissimilar electrical character, part of the energy is returned to the surface in the form of a reflected signal. This reflected signal is detected by a receiving transducer and is displayed on the screen of the GPR unit as well as being recorded on the internal hard-drive. The received GPR response remains constant as long as the electrical contrast between media is present and constant. Lateral or vertical changes in the electrical properties of the subsurface result in equivalent changes in the GPR responses. The system records a continuous image of the subsurface by plotting two-way travel time of the reflected EM pulse versus distance traveled along the ground surface. Two-way travel time values are then converted to depth using soil velocity functions. The soil velocity function used in this survey was calculated using the time it takes the GPR signal to travel a known distance, depth to the storm sewer near MW 52.

The GPR field procedures involved (1) instrument calibration, (2) test run completion, (3) production profile collection and recording, and (4) data storage for subsequent processing and analysis in the office. Each radar profile was examined for characteristic GPR signatures that may indicate the presence of buried targets. A Geophysical Survey System SIR System 2 and a 200 megahertz (MHz) antenna were used with a recording window up to 200 nanoseconds (ns) to provide the required depth penetration and subsurface detail.

**Results**

An approximate depth to bedrock contour map, which combines all previous depth to bedrock surveys completed by AGS, and site features are shown on Figure 1.

The approximate depth to bedrock ranged between 3.5 and 16 feet (Figure 1). The greatest depth to bedrock is centered in the immediate vicinity of MW 111 and the shallowest depth to bedrock appears to be in the eastern most portion of the transformer yard. The greatest depth to bedrock gradient change occurs along a 35 foot interval where the depth to bedrock drops from 6 feet (5 N, 130 E) to 16 feet (5 N, 95 E). However, this steep gradient appears to be consistent across the entire eastern portion of the transformer yard, with the steepest section along the 5 N transect.

The depth, below ground surface, to bedrock is very shallow in the condenser pit. However the depths in the condenser pit, shown in figure 1, have been adjusted to account for the significantly lower mean elevation.

Based on the GPR profiles close to MW 111 and MW 33, the depth to bedrock at MW 111 only appears to be approximately 16 feet deep. The reflectors associated with a depth of seven feet near MW 33 could not be traced to a depth greater than 16 feet at MW 111. This interpretation is strengthened because there was good correlation between MW 34, MW 35 and MW 33.

There was an area of low reflectivity centered at -25 E and 200 N. It is possible that there could be a different type of fill in the area that quickly attenuates the GPR signal. This section is a relatively small area of the transformer yard and data from both sides of this section of low reflectivity correlate well with each other, indicating that it is unlikely that there is a large change in the depth to bedrock in this section.

It is possible that the depths obtained from the profiles collected over the transformer pads and condenser pit could be slightly different. A constant soil velocity function was assumed for the entire survey area, but the velocity function for reinforced concrete might vary slightly from the velocity function applied to the entire survey area.

**Closing**

The vicinity near MW 111 had the greatest depth to bedrock for the entire transformer yard. The different geophysical surveys in the transformer yard of Unit 2 correlate well with each other. Overall the data quality was good and the depth of GPR signal penetration was deep enough to image bedrock.

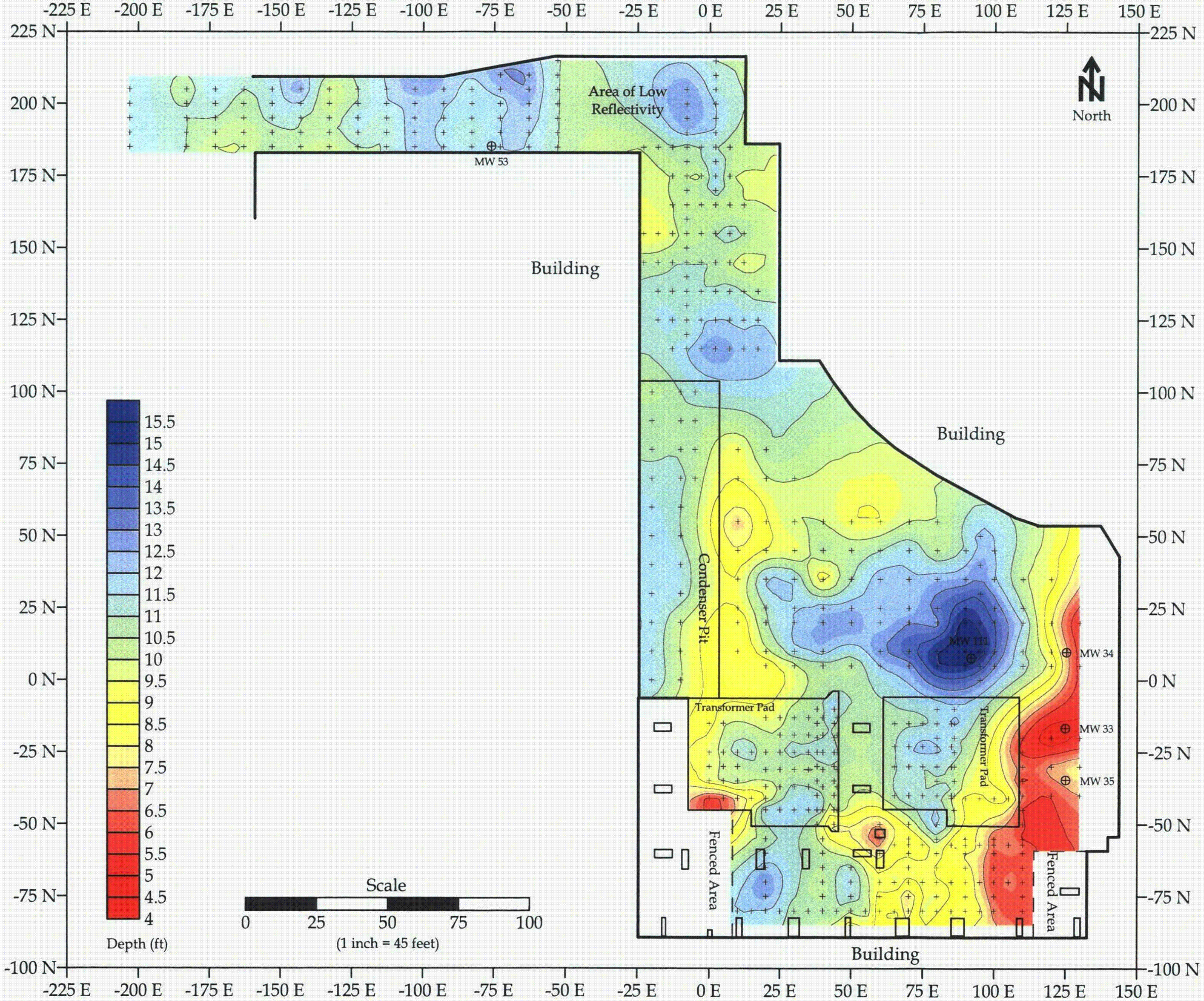
All geophysical data and field notes collected as a part of this investigation will be archived at the AGS office. The data collection and interpretation methods used in this investigation are consistent with standard practices applied to similar geophysical investigations. The correlation of geophysical responses with probable subsurface features is based on the past results of similar surveys although it is possible that some variation could exist at this site. Due to the nature of geophysical data, no guarantees can be made or implied regarding the presence or absence of additional objects or targets beyond those identified.

If you have any questions regarding the results of this field investigation, please contact me at 610-722-5500. It was a pleasure working with you on this project and we look forward to being able to provide you with sub-surface imaging services in the future.

Sincerely,

Christopher Call M.S.
Project Geophysicist, AGS

Encl.: Figure 1 – Depth to Bedrock Contour Map




## Notes

(1) A SIR2 GPR System by GSSI was used for this survey. There are five monitoring wells located in the survey area: MW 33, MW 34, MW 35, MW 52 and MW 111. GPR data was synthesized and correlated with the depths to bedrock based on the boring logs associated with these monitoring wells to identify the depth and location to bedrock throughout the surveyed area.

(2) GPR profiles were collected in a grid pattern with maximum spacing of ten feet, however, several sections have a higher data density. GPR profiles could not be obtained in all areas due to restricted access and other large objects in the transformer yard. The GPR profiles used to create this figure were combined from several separate surveys,conducted over several days between December 5, 2005 and June, 26, 2006.

(3) The maximum depth of penetration for the GPR profiles was approximately 20 feet, however some areas had a high amount of signal attenuation, which limited the depth of signal penetration. Two-way travel time values were converted to depth using a soil velocity function calculated by using the time it takes the signal to travel to the storm sewer, which is at a known depth.

(4) Depths shown in this figure are the depth below ground surface. However, the depths in the condenser pit were calibrated to account for the substantial drop below the median elevation for the survey area.

(5) The field positions were not survey by a licensed surveyor and should be considered approximate. Site features were based on a site map, drawing 9321-F-1002-7, provided by Entergy.

Figure 1
Depth To Bedrock Contour Map, and Site Features

GZA GeoEnvironmental
Transformer Yard of Unit 2
Indian Point Nuclear Power Plant Site
Buchanan, New York

Date: July 19, 2006

AGS Reference: 05-426-9 cc

ADVANCED GEOLOGICAL SERVICES

ADVANCED GEOLOGICAL SERVICES

3 Mystic Lane
Malvern, PA19355
(610) 722-5500 (ph.)
(610) 722-0250 (fax)

June 22, 2006
Ref. No.: 05-426-7

Mr. David Winslow
GZA GeoEnvironmental of New York, Inc
Two Pennsylvania Plaza, 18th Floor
New York, New York 10121

**Subject:** Geophysical Investigation Results
Indian Point Nuclear Power Plant Site
Buchanan, New York

Dear Mr. Winslow:

Advanced Geological Services (AGS) presents this letter report to GZA GeoEnvironmental (GZA) of New York, New York detailing the methods and results of a geophysical investigation conducted at the Indian Point Nuclear Power Plant Site in Buchanan, New York. The area of investigation was the asphalt road starting at the delta security gate ending at the beginning of the parking lot in front of the portable buildings at the fifteen foot elevation at the bottom of the hill. The objective of this survey was to identify the depth to bedrock along the road.

**Methods**

AGS used the ground penetrating radar (GPR) method. GPR profiles were collected in a grid pattern with a spacing not exceeding ten feet throughout the survey area. A standard rectangular data collection grid could not be utilized during this survey due to the curve in the road, security fence to the north and steep topography to the south. The sidewalk and grass region to the south of the road could not be surveyed due to the presence of significant snow drifts. The field activities for this survey occurred on February 16, 2006.

**Ground Penetrating Radar (GPR) Method**

The GPR method is based upon the transmission of repetitive, radio-frequency electromagnetic (EM) pulses into the subsurface. When the transmitted energy of down-going wave contacts an interface of dissimilar electrical character, part of the energy is returned to the surface in the form of a reflected signal. This reflected signal is detected by a receiving transducer and is displayed on the screen of the GPR unit as well as being recorded on the internal hard-drive. The received GPR response remains constant as long as the electrical contrast between media is present and constant. Lateral or vertical changes in the electrical properties of the subsurface result in equivalent changes in the GPR responses. The system records a continuous image of the subsurface by plotting two-way travel time of the reflected EM pulse versus distance traveled along the ground surface. Two-way travel time values are then converted to depth using soil velocity functions.

The GPR field procedures involved (1) instrument calibration, (2) test run completion, (3) production profile collection and recording, and (4) data storage for subsequent processing and analysis in the office. Each radar profile was examined for characteristic GPR signatures that may indicate the presence of buried targets. A Geophysical Survey System SIR System 2 and a 200 megahertz (MHz) antenna were used with a recording window of 170 nanoseconds (ns) to provide the required depth penetration and subsurface detail.

**Results**

A site map, containing the approximate depth to bedrock and a representative GPR profile, is shown on Figure 1.

The approximate depth to bedrock ranged between 8 and 16 feet below ground surface (bgs). Bedrock depths should be considered approximate. GPR signal penetration was approximately 18 feet or less. Bedrock reflectors appear to be less defined in this survey area compared to other areas at the Indian Point. Many potential utilities were observed in the survey area, however none appeared to have trenches that cut through bedrock.

Starting at approximately 410 E there appears to be a steep drop in the depth to bedrock (Figure 1). In this area the depth to bedrock transitions from approximately 8 feet bgs to 16 feet bgs. This transition is illustrated in GPR profile 661 (Figure 1).

**Closing**

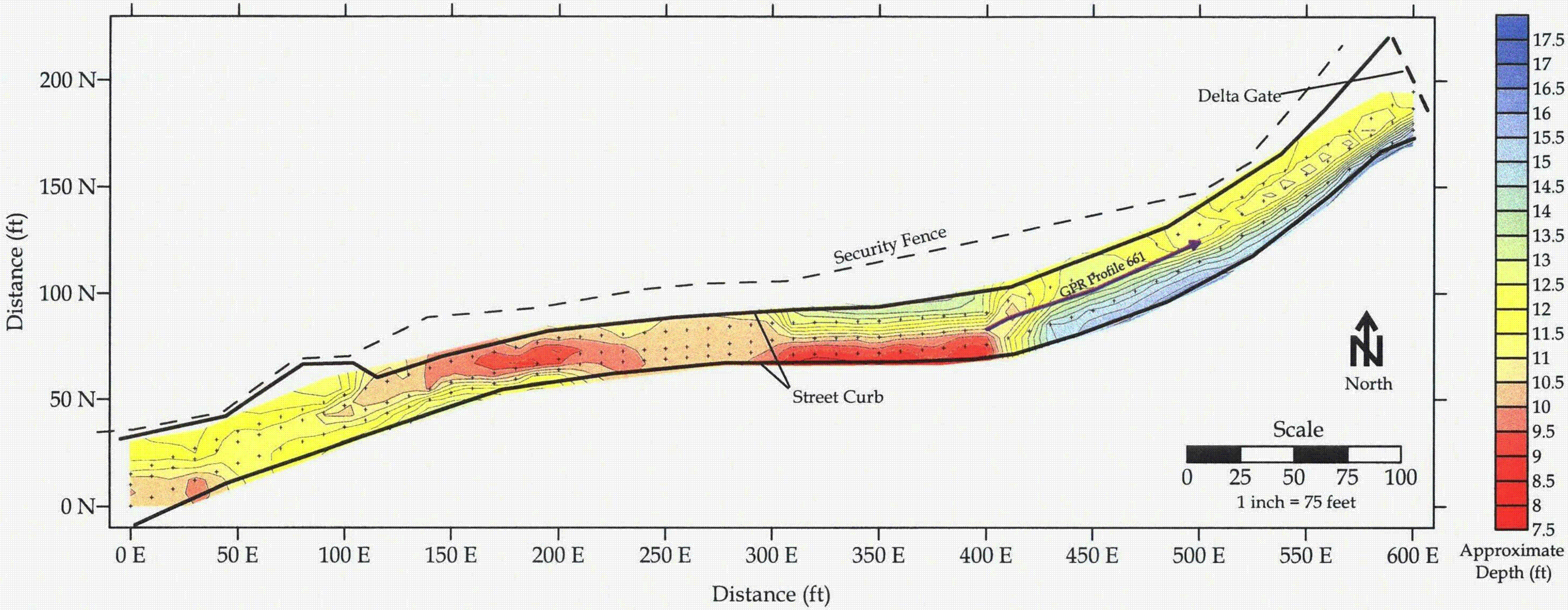
All geophysical data and field notes collected as a part of this investigation will be archived at the AGS office. The data collection and interpretation methods used in this investigation are consistent with standard practices applied to similar geophysical investigations. The correlation of geophysical responses with probable subsurface features is based on the past results of similar surveys although it is possible that some variation could exist at this site. Due to the nature of geophysical data, no guarantees can be made or implied regarding the presence or absence of additional objects or targets beyond those identified.

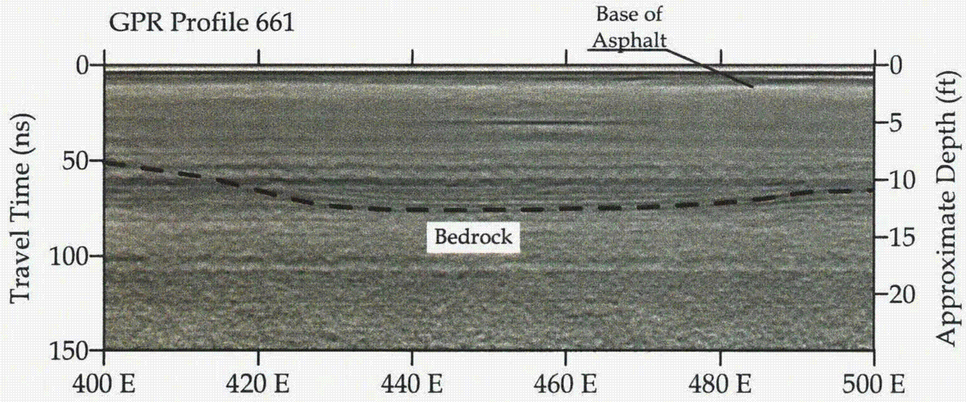
If you have any questions regarding the results of this field investigation, please contact me at 610-722-5500. It was a pleasure working with you on this project and we look forward to being able to provide you with sub-surface imaging services in the future.

Sincerely,

Christopher Call M.S.
Project Geophysicist, AGS

Encl.: Figure 1 – Depth to Bedrock Contour Map




## Notes

(1) A SIR2 GPR System by GSSI was used for this survey. GPR data was synthesized and correlated with the depths associated with previous GPR surveys at the Indian Point Nuclear Power Plant site to identify the depth and location to bedrock.

(2) GPR profiles were collected in a grid pattern with a minimum spacing of ten feet. Depths taken from these GPR profiles are contoured on this figure. A representative GPR profile is also shown.

(3) The maximum depth of the GPR signal penetration was approximately 16 feet. The values listed in this survey are depths to bedrock below ground surface and should be considered approximate.

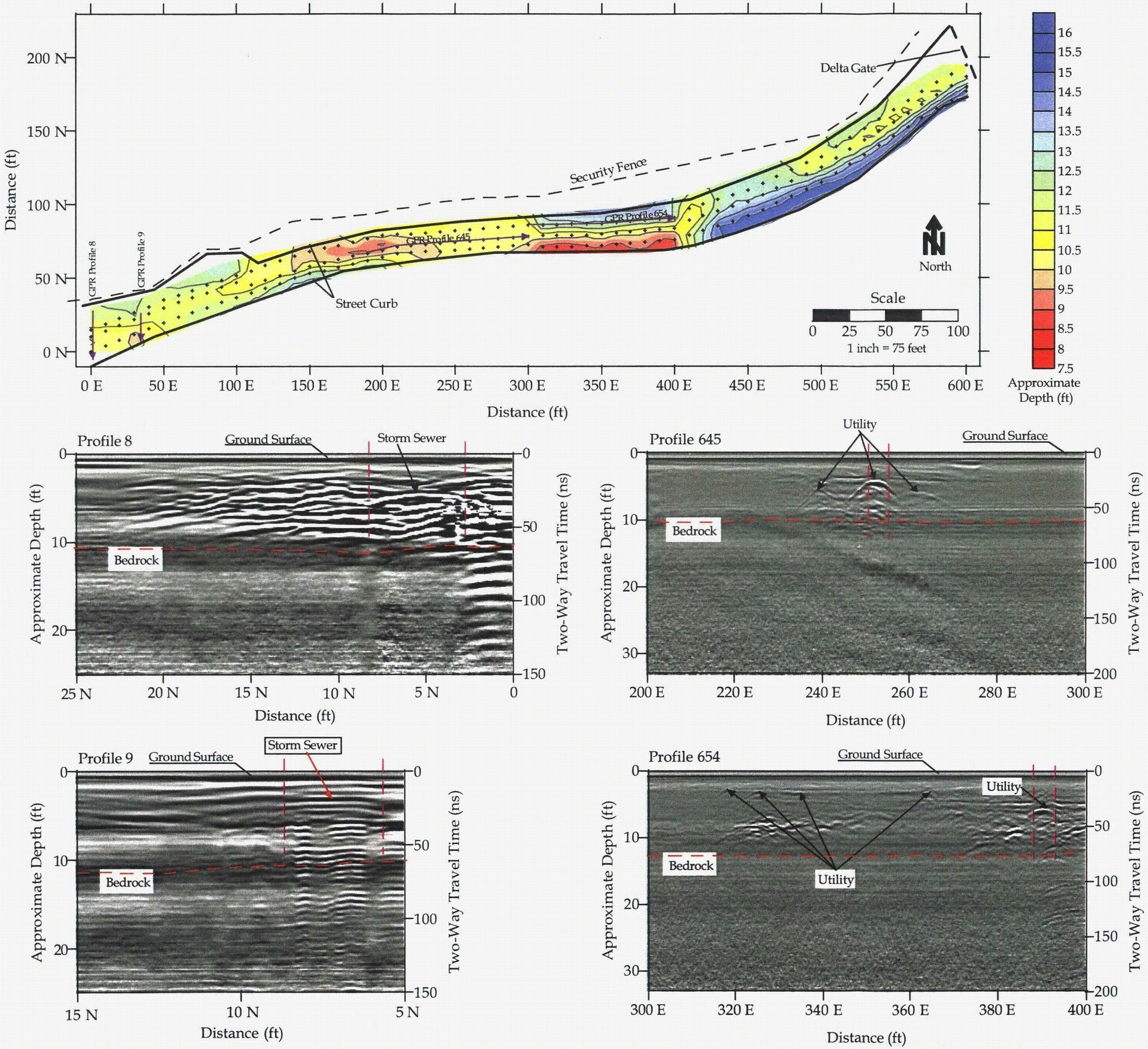
(4) The field positions were not surveyed by a licensed surveyor and should be considered approximate.

Date: June 19, 2005

AGS Reference: 05-426-7 cc

**Figure 1**
**Depth to Bedrock Contour Map**
**Site Features, and GPR Profile**

GZA GeoEnvironmental of New York, Inc.
Indian Point Nuclear Power Plant
OCA Road
Buchanan, New York




## Notes

Based on the GPR profiles collected for the geophysical survey 05-426-7, no utility trenches were observed to penetrate bedrock. GPR profiles 8 and 9 were collected over the storm sewer and the boundaries of its utility trench are marked. Other GPR profiles were not collected directly over the storm sewer, because of large snow drifts were piled to the side of the road. GPR profiles 645 and 654 contain multiple non storm sewer utilities. The sidewalls of the observed utility trenches are identified by the dashed magenta lines on the shown GPR profiles.

A Geophysical Survey System SIR System 2 with a 200 megahertz (MHz) antenna was used with a recording window of 200 to 150 nanoseconds (ns) to provide the required depth penetration and subsurface detail, for this survey.

The depth to bedrock contour map is included as a reference and it was compiled based on the GPR profiles associated with the previous geophysical survey (05-426-7) and any further details regarding it should be obtained in its accompanying report.

The geophysical investigation (05-426-7) was not intended to locate all utilities in the area and utility locations illustrated in this figure should be considered approximate. Utility trench sidewalls could not be identified for all utilities. The field positions were not surveyed by a licensed surveyor and should be considered approximate. The data collection and interpretation methods used in this investigation are consistent with standard practices applied to similar geophysical investigations. The correlation of geophysical responses with probable subsurface features is based on the past results of similar surveys although it is possible that some variation could exist at this site. Due to the nature of geophysical data, no guarantees can be made or implied regarding the presence or absence of additional objects or targets beyond those identified.

## Legend

- Excavation Wall Boundary
- Bedrock
- GPR Profile Location

**Figure 1**
**Depth to Bedrock Contour Map & GPR Profiles with Utilities & Utility Trenches**

GZA GeoEnvironmental of New York, Inc.
Indian Point Nuclear Power Plant
OCA Road
Buchanan, New York

Date: July 24, 2006
AGS Reference: 05-426-7b cc

ADVANCED GEOLOGICAL SERVICES

ADVANCED GEOLOGICAL SERVICES

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February 28, 2006
Ref. No.: 06-133-1

Mr. David Winslow
GZA GeoEnvironmental of New York, Inc
Two Pennsylvania Plaza, 18th Floor
New York, New York 10121

**Subject:** Preliminary Geophysical Investigation Results
Indian Point Nuclear Power Plant Site
Buchanan, New York

Dear Mr. Winslow:

Advanced Geological Services (AGS) presents this preliminary letter report to GZA GeoEnvironmental (GZA) of New York, New York detailing the methods and preliminary results of a geophysical investigation conducted at the Indian Point Nuclear Power Plant Site in Buchanan, New York. The area of investigation included the transformer yard of Unit 2, ally way of Unit 2 and a portion of the road leading to the river. The objective of the survey was to identify utilities in this area and alert GZA of potential voids in this area. AGS understands that a large, heavy transformer will be transported through this survey area and it is important to know the locations of potential voids and utilities to avoid potential problems. The field activities for this investigation were completed by AGS on February 13th, 14th, 27th and 28th, 2006.

**Methods**

To meet the objectives of the investigation, AGS used a combination of the radiofrequency (RF), electromagnetic (EM) and ground penetrating radar (GPR) methods. All identified subsurface features were marked on the ground surface with spay paint. GPR profiles were collected in a grid pattern with a spacing of 10 feet throughout the survey area, except for areas with significant surficial obstructions. GPR profiles were also collected over the utilities. EM data was collected in a grid pattern with a spacing of 2.5 by 5 feet.

**Ground Penetrating Radar (GPR) Method**

The GPR method is based upon the transmission of repetitive, radio-frequency electromagnetic (EM) pulses into the subsurface. When the transmitted energy of down-going wave contacts an interface of dissimilar electrical character, part of the energy is returned to the surface in the form of a reflected signal. This reflected signal is detected by a receiving transducer and is displayed on the screen of the GPR unit as well as being recorded on the internal hard-drive. The received GPR response remains constant as long as the electrical contrast between media is present and constant. Lateral or vertical changes in the electrical properties of the subsurface result in equivalent changes in the GPR responses. The system records a continuous image of the subsurface by plotting two-way travel time of the reflected EM pulse versus distance traveled along the ground surface. Two-way travel time values are then converted to depth using soil velocity functions.

The GPR field procedures involved (1) instrument calibration, (2) test run completion, (3) production profile collection and recording, and (4) data storage for subsequent processing and analysis in the office. Each radar profile was examined for characteristic GPR signatures that may indicate the presence of buried targets. A Geophysical Survey System SIR System 2, a 200 megahertz (MHz) antenna and a 400 MHz antenna were used with a recording window of 185 nanoseconds (ns) to provide the required depth penetration and subsurface detail.

**Radio Frequency (RF) Utility Locating Method**

A Radiodetection RD400/PDL2 multi-frequency RF utility locating system was used for this project. This instrument consists of a receiver/tracer and a remote transmitter, which operates at frequencies ranging between 8 kHz and 65 kHz. In addition, the receiver can be used in 60 Hz passive mode to identify active buried electrical lines. This utility tracing instrument provides audible and visual feedback to the operator when a utility that is coupled with the transmitted signal is crossed. The transmitter produces a radio-frequency signal in the utility to be traced by either induction coupling or direct hook-up. The receiver output provides measured field strength of the received signal and varies an audible pitch depending upon how far the utility is from the receiver. By carefully adjusting the gain of the receiver it is possible to determine the location of the utility and to separate it from adjacent utilities. The direct hook-up, and passive tracing methods were used during this investigation.

**Terrain Conductivity Electromagnetic (EM) Method**

The terrain conductivity electromagnetic (EM) method uses the principle of electromagnetic induction to measure the variability of terrain conductivity of subsurface materials. When significant contrasts in the electrical properties between non-indigenous materials and surrounding soil are present, it is commonly possible to accurately delineate fill and buried metals. Although historically frequency domain EM instruments were designed for mineral exploration and delineation of geologic features, more recent instruments, such as that used in this study, were designed for shallow exploration of man-made targets. The large EM response to metal makes this technique particularly well suited to identifying buried metal objects such as USTs or buried utilities, although it is equally sensitive to metal objects on the ground surface, as well as some naturally occurring geologic features.

A Geonics EM31 terrain conductivity EM instrument was used to collect frequency domain EM data. The EM31 operates in accordance with the theory of operation at low induction numbers. An alternating current is passed through the transmitter coil to induce eddy currents into the ground. These eddy currents generate a secondary magnetic field. A component of the induced magnetic field is detected by a receiver coil and measured by the instrument. The receiver measures the field strength of both the quadrature and the in-phase components. The quadrature response is displayed as the terrain conductivity response in units of milliSeimens per meter (mS/m). The in-phase response is displayed in units of parts per thousand (ppt) of the transmitted signal. Both measurements are recorded on the internal data logger along with location information. The EM31 instrument has a maximum depth of investigation of approximately 18 feet below the ground surface.

**Results**

A site map, containing the EM31 quadrature data, located utilities, potential voids, and existing site features is presented in Figure 1. We have designated grid-north to the bottom on the figure for reference purposes. AGS was informed that any utility lines that are less than 3 feet bgs may be adversely impacted by the movement of the transformer over these lines. We have provided both the utility line positions and the estimated depths to the utilities.

All potential areas of concern are located on Figure 1. Anomaly 1 is located above the storm sewer and the corner of the service water lines. It has GPR characteristics that suggest the presence of small openings or voids. The voids, however, do not appear to be significant and occur over a small area only. The void is probably related to the placement of bulk fill materials, and the subsequent washout of some of the fine-grained portion. AGS has included other potential areas of concern on the map, but again, these locations indicate only very small, insignificant voids.

The electric lines indicated on Figure 1 were located utilizing the RF and were not directly observed using the GPR method, so depth below ground surface is not known. Electric lines were marked in the field with red spray paint, and are presented on the figure as dashed red lines.

A water line (W1) was detected near the southeastern corner of the survey area. It runs in an east-to-west orientation and appears to be less than 3 feet below the ground surface (bgs). Several unknown lines were detected and are presented on the figure. Unknown lines U1, U2, U3, and U4 are located in the northeastern part of the survey area and all appear to be less than 3 feet below the ground surface.

The fire suppression water line (W2) was located using the RF, and was traced as far as possible until the signal was lost, so the exact location and trend of the W2 water line is unknown. Line W3 appears to be associated with the fire hydrant located at (17E, -4N), however it could be associated with the main service water lines.

**Closing**

All geophysical data and field notes collected as a part of this investigation will be archived at the AGS office. The data collection and interpretation methods used in this investigation are consistent with standard practices applied to similar geophysical investigations. The correlation of geophysical responses with probable subsurface features is based on the past results of similar surveys although it is possible that some variation could exist at this site. Due to the nature of geophysical data, no guarantees can be made or implied regarding the presence or absence of additional objects or targets beyond those identified.

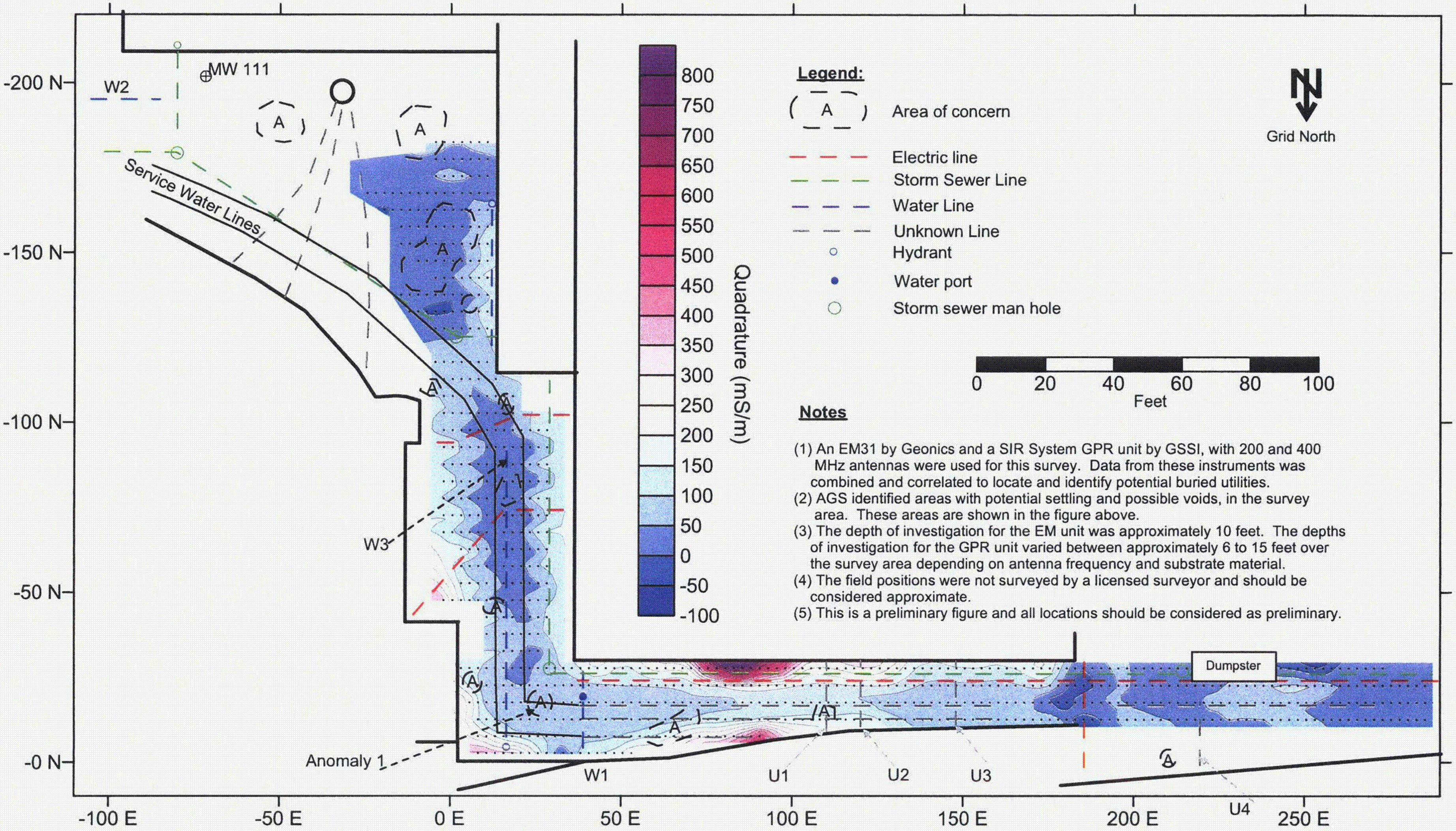
If you have any questions regarding the results of this field investigation, please contact me at 610-722-5500. It was a pleasure working with you on this project and we look forward to being able to provide you with sub-surface imaging services in the future.

Sincerely,

Christopher Call M.S.
Project Geophysicist, AGS

Peter Miller PhD
Senior Geophysicist, AGS

Encl.: Figure 1 – EM31 Contour Map with Site Features




Date: February 28, 2006

AGS Reference: 06-133-1 cc

**Figure 1**
**EM31 Contour Map**
**Site Features**
**Potential void Survey**

GZA GeoEnvironmental of New York, Inc.
Indian Point Nuclear Power Plant
Transformer Yard and ally way of Unit 2
Buchanan, New York

ADVANCED GEOLOGICAL SERVICES

ADVANCED GEOLOGICAL SERVICES

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June 22, 2006
Ref. No.: 05-426-7

Mr. David Winslow
GZA GeoEnvironmental of New York, Inc
Two Pennsylvania Plaza, 18th Floor
New York, New York 10121

**Subject**: Geophysical Investigation Results
Indian Point Nuclear Power Plant Site
Buchanan, New York

Dear Mr. Winslow:

Advanced Geological Services (AGS) presents this letter report to GZA GeoEnvironmental (GZA) of New York, New York detailing the methods and results of a geophysical investigation conducted at the Indian Point Nuclear Power Plant Site in Buchanan, New York. The area of investigation was the concrete mounting pads for the transformers in the Unit 2 transformer yard. The objective of this survey was to identify the depth to bedrock underneath these concrete pads. During the Indian Point spring 2006 outage the previous transformers in the Unit 2 transformer yard were removed and replaced. During this installation process GPR data was collected on top of these concrete pads.

**Methods**

AGS used the ground penetrating radar (GPR) method. GPR profiles were collected in a grid pattern with a spacing not exceeding approximately eight feet throughout the survey area. Data was collected as access to the survey area was allowed by the transformer installation foreman. Due to the limited access, the amount time required to complete the survey was increased. There were significant obstructions in the area that hindered the collection of long continuous GPR profiles in an evenly spaced rectangular grid. In two areas, the north eastern section of the survey area and in between the concrete pads, obstructions prevented the collection of any GPR profiles altogether. The field activities for this survey occurred on April 22, April 24 and April 26, 2006.

**Ground Penetrating Radar (GPR) Method**

The GPR method is based upon the transmission of repetitive, radio-frequency electromagnetic (EM) pulses into the subsurface. When the transmitted energy of down-going wave contacts an interface of dissimilar electrical character, part of the energy is returned to the surface in the form of a reflected signal. This reflected signal is detected by a receiving transducer and is displayed on the screen of the GPR unit as well as being recorded on the internal hard-drive. The received GPR response remains constant as long as the electrical contrast between media is present and constant. Lateral or vertical changes in the electrical properties of the subsurface result in equivalent changes in the GPR responses. The system records a continuous image of the subsurface by plotting two-way travel time of the reflected EM pulse versus distance traveled along the ground surface. Two-way travel time values are then converted to depth using soil velocity functions.

The GPR field procedures involved (1) instrument calibration, (2) test run completion, (3) production profile collection and recording, and (4) data storage for subsequent processing and analysis in the office. Each radar profile was examined for characteristic GPR signatures that may indicate the presence of buried targets. A Geophysical Survey System SIR System 2 and a 200 megahertz (MHz) antenna were used with a recording window of 170 nanoseconds (ns) to provide the required depth penetration and subsurface detail.

**Results**

A site map, containing the approximate depth to bedrock and site features, is shown on Figure 1.

The approximate depth to bedrock ranged between 5 and 13 feet below ground surface (bgs). Bedrock depths should be considered approximate. Although the GPR data was collected over reinforced concrete slabs, the maximum GPR signal penetration was approximately 20 feet bgs.

Bedrock in the south western corner appears to be the shallowest in the survey area, while bedrock in eastern section of the survey area appears to be deeper (Figure 1). Observations in this survey appear to correlate well with previous surveys in Unit 2's transformer yard.

**Closing**

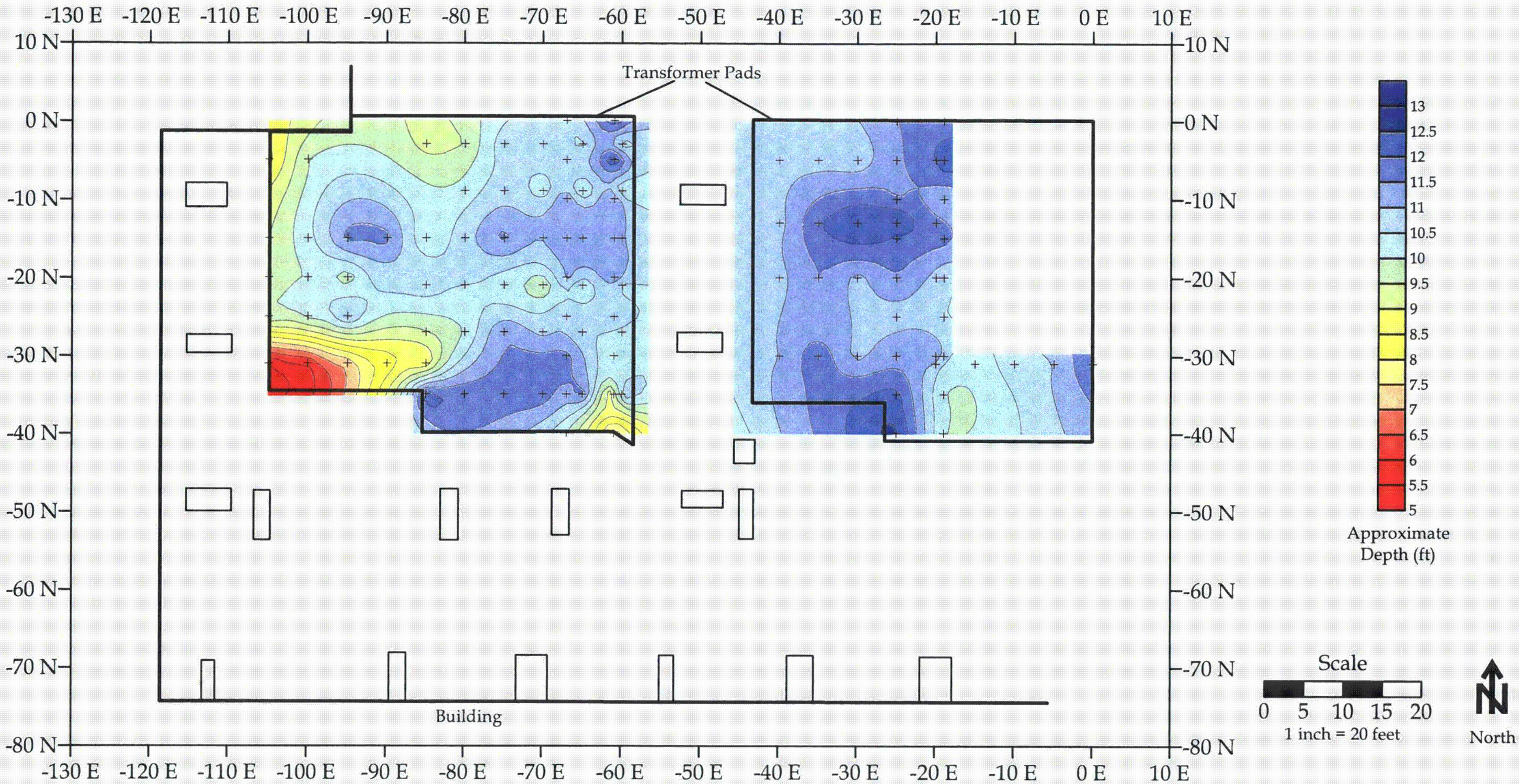
All geophysical data and field notes collected as a part of this investigation will be archived at the AGS office. The data collection and interpretation methods used in this investigation are consistent with standard practices applied to similar geophysical investigations. The correlation of geophysical responses with probable subsurface features is based on the past results of similar surveys although it is possible that some variation could exist at this site. Due to the nature of geophysical data, no guarantees can be made or implied regarding the presence or absence of additional objects or targets beyond those identified.

If you have any questions regarding the results of this field investigation, please contact me at 610-722-5500. It was a pleasure working with you on this project and we look forward to being able to provide you with sub-surface imaging services in the future.

Sincerely,

Christopher Call M.S.
Project Geophysicist, AGS

Encl.: Figure 1 – Depth to Bedrock Contour Map




**Notes**

(1) A SIR2 GPR System by GSSI was used for this survey. GPR data was synthesized and correlated with the depths associated with previous GPR surveys located in the Unit 2 transformer yard at the Indian Point Nuclear Power Plant site to identify the depth and location to Bedrock underneath the current transformer mounts.

(2) GPR profiles were collected in a grid like pattern with a spacing ranging from five to ten feet, depending on obstructions present at the time of data collection. Depths taken from these GPR profiles are contoured on this figure.

(3) The maximum depth of the GPR signal penetration was approximately 20 feet. A time to depth conversion factor, obtained in a previous GPR survey in the transformer yard was used to obtain the approximate depths used in this report. The values listed in this survey are depths to bedrock below ground surface and should be considered approximate.

(4) The field positions were not surveyed by a licensed surveyor and should be considered approximate.

Date: June 21, 2006

AGS Reference: 05-426-1 cc

**Figure 1**
**Depth to Bedrock Contour Map**
**Site Features, and GPR Profile**

GZA GeoEnvironmental of New York, Inc.
Indian Point Nuclear Power Plant
Underneath Unit 2 Transformer Mounts
Buchanan, New York

ADVANCED GEOLOGICAL SERVICES

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(610) 722-0250 (fax)

September 29, 2006
Ref. No.: 06-245-1

Mr. Dave Winslow
GZA Geoenvironmental, Inc.
440 9th Avenue, 18th Floor
New York, New York 10121

**Subject**: Geophysical Investigation Results
Indian Point Power Plant Site
Buchanan, New York

Dear Mr. Winslow:

Advanced Geological Services (AGS) presents this letter report to GZA Geoenvironmental, Inc. (GZA), of New York, New York detailing the methods and results of a geophysical investigation conducted at the Indian Point Nuclear Power Plant Site. The facility is located in Buchanan, New York, along the Hudson River. Currently, GZA is completing an environmental assessment of the warehouse area near the Delta gate, and additional subsurface information was required to help understand the geometry of potential fluid pathways in the subsurface. The bedrock surface was a primary target since it is the most resistant layer in this area. AGS was informed that bedrock was partially excavated during construction of the warehouse and utility trenches. There were only two well descriptions available at the time of our survey that indicated the depth-to-bedrock. Values of 40 feet below ground surface (bgs) were observed in the northern part of the survey area, and values of 26 feet bgs were observed to the south of the warehouse. A second potential fluid pathway included buried utility line trenches below the warehouse area.

**Site Description**

The survey area included the asphalt access ways and parking lots next to the warehouse and trailers, as shown in Figure 1. The topography was essentially flat and several man-made objects were present that affected our ability to collect meaningful geophysical data. Large metal dumpsters, parked vehicles, metal racks, and miscellaneous debris were present at various locations. There was no traffic in the warehouse area during our investigation, which helped the data collection effort. The total survey area covered in this investigation was approximately 200 feet by 450 feet. Geophysical data was acquired in the accessible areas of the site. The field activities for this investigation were completed on July 18-19, 2006.

## Objectives

The objectives of the geophysical survey were to determine the depth to bedrock and to locate major buried utility lines, which may act as pathways for the movement of subsurface fluids. The geophysical data was analyzed closely for these targets in accessible portions of the warehouse area. To meet the objectives of the investigation, AGS used the seismic refraction, electromagnetic conductivity (EM), and ground penetrating radar (GPR) methods.

## Survey Grids

AGS collected seven, in-line seismic refraction lines around the northern, western, and southern sides of the warehouse. The lines were 115 feet to 210 feet long and covered the full length of the accessible property on each side. Depending on the available space, AGS collected either one or two seismic spreads per line, as shown in Figure 1, and used the designation "Line x, Spread y" for each spread. GPR profiles were collected near the bedrock outcrop located along the eastern edge of the survey area, and in several additional areas. AGS collected EM31 data to the north of the warehouse, at 5-foot line and station intervals. All geophysical data was stored in the system hard drives in the field, and was downloaded and analyzed in the office.

## Seismic Methods

The seismic refraction geophysical method was used to provide the interface topography and velocity information along each profile line. The seismic refraction method is based upon the generation and propagation of an elastic wave into the subsurface. The progress of this wave is monitored by a series of co-linear, vibration-sensitive devices called geophones that are placed at the ground surface. The resulting seismic waveforms are recorded, measured and analyzed to determine the depth and velocities of geologic interfaces below the ground surface.

All seismic refraction data was acquired using a Geometrics R-24 engineering seismograph and 24 Sensor SM-15 14-Hz high output geophones. The seismic energy source was a sledge hammer and an iron strike plate. Geophones were spaced at 5-foot intervals to provide a seismic spread length of 115 feet. Five shot-points were recorded for each seismic spread. Two far offset shots were recorded at a distance of 10-30 feet from geophones 1 and 24, two shots were collected at geophones 1 and 24, and a center shot was collected between geophones 12 and 13.

AGS used a Generalized Simulated-Annealing Optimization method for the inversion of first arrival refraction times to generate the cross-sectional velocity contour maps of each seismic line. This method allows the estimation of the depth to interfaces and compressional wave velocity below the line. The resulting seismic profiles provide a continuous, high-resolution, cross-sectional view of the interface surface, and the corresponding velocity profile along the interface surface. The velocity information can be used to infer various physical characteristics of the subsurface materials, such as lithology, relative density, presence of the water table, rippability, and others. Typically, media such as unconsolidated sediments exhibit a low seismic velocity (1,000 to 2,500 feet per second, fps), and consolidated media such as bedrock exhibit very high seismic velocities (7,000 to 20,000 fps). Intermediate velocities often exist in weathered zones or where mixed lithologies exist.

In addition, AGS collected REMI shear wave data at each location. Using this method, a series of 10-second recording windows are collected and all ambient noise is received and stored in the computer system. The processed data provides a single, shear-wave velocity profile for each seismic spread, as shown in the figures. This data is important in correlating depth-to-bedrock values, and may be helpful in approximating Poisson's Ratio or other elastic constants.

**Ground Penetrating Radar (GPR) Method**

The ground-penetrating radar (GPR) method was used to provide subsurface imaging information throughout the area of investigation. The GPR method is based upon the transmission of repetitive, radio-frequency electromagnetic (EM) pulses into the subsurface. When the transmitted energy of down-going wave contacts an interface of dissimilar electrical character, part of the energy is returned to the surface in the form of a reflected signal. This reflected signal is detected by a receiving transducer and is displayed on the screen of the GPR unit as well as being recorded on the internal hard-drive. The received GPR response remains constant as long as the electrical contrast between media is present and constant. Lateral or vertical changes in the electrical properties of the subsurface result in equivalent changes in the GPR responses. The system records a continuous image of the subsurface by plotting two-way travel time of the reflected EM pulse versus distance traveled along the ground surface. Two-way travel time values are then converted to depth using known soil velocity functions.

The GPR field procedures involved (1) instrument calibration, (2) test run completion, (3) production profile collection and recording, and (4) data storage for subsequent processing and analysis in the office. Each radar profile was examined for characteristic GPR signatures that may indicate the presence of buried targets. A Geophysical Survey System SIR System 2 and a 200 megahertz (MHz) antenna were used with a recording window of 60 nanoseconds (ns) to provide the required depth penetration and subsurface detail.

**Electromagnetic Methods**

The electromagnetic (EM) method uses the principle of electromagnetic induction to measure the variability of electrical conductivity of subsurface materials and the presence of buried metal objects. Significant contrasts in the electrical properties between non-indigenous materials and surrounding soil enable the delineation of buried waste materials, fill, bedrock features, and air spaces. The large EM response to metal makes this technique particularly well suited to identifying buried metal objects such as metallic wastes, USTs, buried drums, pipelines, reinforced building foundations, or other metal components of buried structures. It is, however, equally sensitive to metal objects on the ground surface, and it is important to take careful field notes that indicate the position of surface metal to avoid mis-interpretation.

The EM-31 ground conductivity meter by Geonics was used to measure the presence of buried metal objects such as USTs, and to determine the electrical conductivity of the underlying soils. The EM-31 is a one-man, portable system that induces a sinusoidal, 9.8 kilohertz (kHz) signal into the ground. The transmitted signal induces eddy currents into the subsurface materials, which, in turn, generate a secondary magnetic field that is measured by the receiver coil. Two measurements are recorded at each station point; the in-phase response, which is measured in parts per thousand (ppt), and the quadrature response, which is measured in milliSeimens per meter (mS/m). For the interpretation of high-conductivity targets such as USTs, the in-phase response is more discriminative. Lower contrast targets such as clay layers, contaminant plumes, and waste disposal areas are better indicated with the quadrature response. The EM data can be viewed in contour or profile format, or the data can be acquired in a scan mode.

**Results**

AGS has included 23 figures with this report, including Figures 1 through 10 and several additional figures denoted as "Figure 4A" and "Figure 4B", etc.. Figure 1 is a map view of the survey area showing the seismic line locations with respect to permanent structures, Figure 10 shows the results of the EM31 survey, and the remaining figures show the seismic refraction results.

*Seismic Data*

The seismic data collected at the warehouse site provided good subsurface information to a depth of approximately 50 feet bgs. Within the sediment units, the seismic velocities increased somewhat uniformly with depth, as shown by the consistent spacing between contour lines. At the interpreted bedrock interface, the seismic velocities increased more abruptly, and the contour lines are more closely spaced. AGS observed that shallow (0-10 feet bgs) velocities within the sediments typically exhibited values within the 1500-2,400 feet per second (fps) range, sediments in the mid-depth range exhibited velocities of 2,400-4,000 fps, and the deeper sediments exhibited velocities of 4,000-6,500 fps.

AGS defined the bedrock interface by observing seismic velocities next to MW-48, which indicated that bedrock was located at 25 feet bgs, and on known seismic values typically used for bedrock materials. We used 7,000 fps to depict the bedrock interface at the warehouse site based on our seismic results. This velocity value represents a weathered bedrock material, rather than a solid, dense, indurated bedrock unit. It is apparent that at a depth of 25-feet, drilling refusal occurred, and/or an excessive number of blow counts were recorded, which stopped the drilling process. AGS has observed the phenomenon where bedrock depths from drilling are somewhat less (a few feet) than the seismic-derived depths because the seismic method tends to recognize the interface where the greatest change in density and velocity occur. This seismic depth may be a little different than the drilling refusal depth.

AGS noticed several characteristics of the bedrock beneath the site. First, the topography of the bedrock interface ranged from flat to highly variable over relatively short distances. There were a few locations where the bedrock interface disappeared and was located greater than 40-45 feet bgs. This occurred on Line 1 from stations -10 to 40, and on Line 5 from stations 12 to 30. AGS noted a pinnacled area where bedrock topography increased over a relatively short horizontal distance. This is observed on Line 1 near station 110, and to a lesser extent on Line 7 at station 165, where a higher velocity region was detected. Over most areas, the bedrock interface was more gradual and slightly undulating along the lines.

The data quality from Line 3 was not as good as the other lines due to noisy conditions at the time the data was collected. There is a very flat bedrock interface from stations 34 to 120 that is somewhat suspect due to the poor recording conditions.

The REMI seismic data, which provided a gross vertical profile of shear wave velocities below each seismic spread, agreed well with the refraction information. As expected, the velocity values are significantly lower than the compressional wave velocities obtained during the refraction survey. As stated, this data provided a check for the refraction data, and the information may be used in the future for estimating various eleastic modulii.

*Electromagnetic Data*

Several buried pipelines were detected in the EM31 survey. Figure 10 shows the locations of these lines. Typically, the utility lines exhibited a linear geometry on the contour map, and an EM response (positive or negative) that was a function of the traverse direction and orientation of the utility. An EM traverse that is run perpendicular to a pipeline will exhibit a slight positive before the line, a strong negative directly over the line, and a slight positive off the other end of the pipe. These responses were found at several locations. If the pipeline runs parallel to the traverse direction, a moderate-to-strong positive responses is observed. The major pipelines appear as bold, dashed lines on the EM contour map. A few small electric lines were marked in the field, as well.

## Data Quality

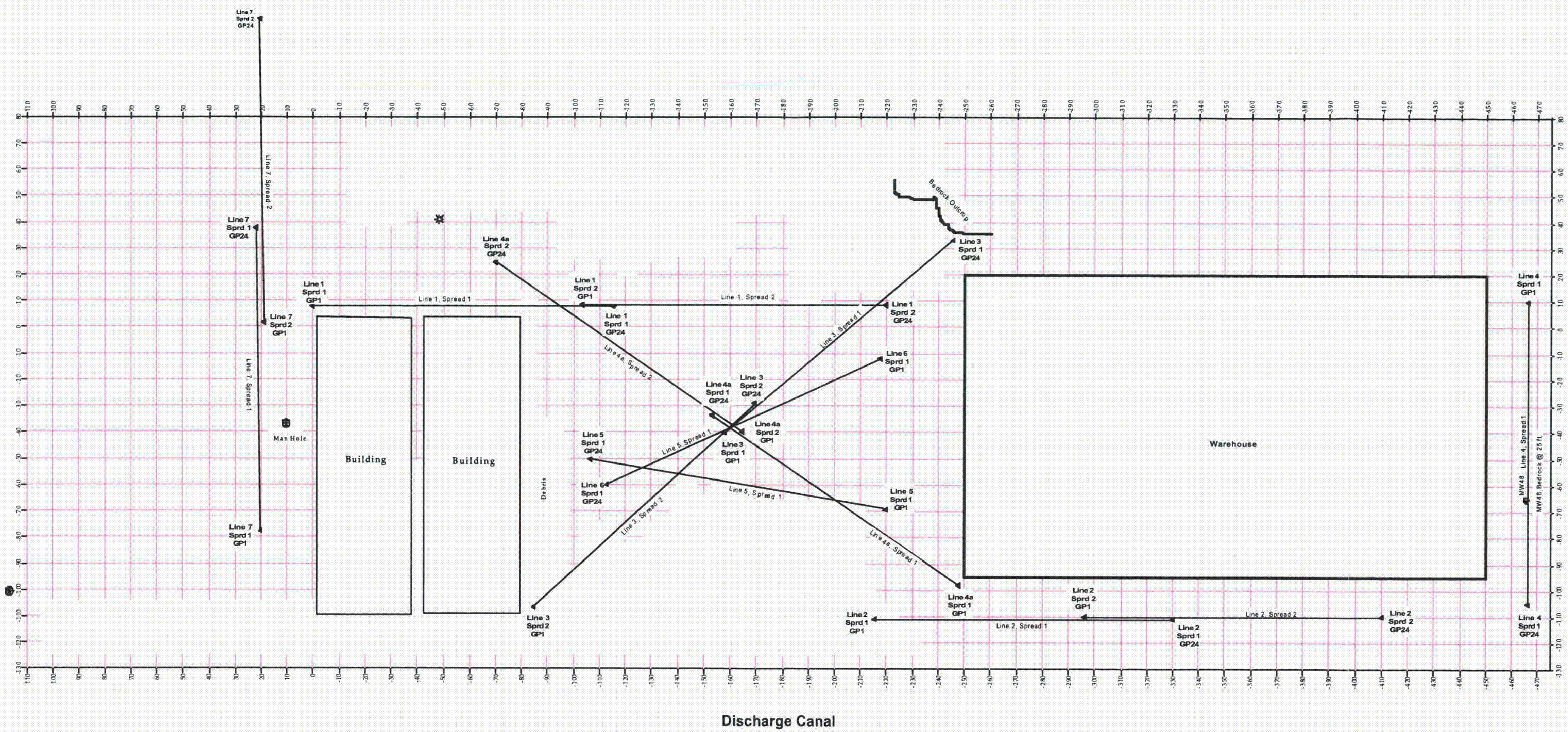
The data quality for this project was good. Typically, the seismic, EM, and GPR responses correlated well with one another and the confidence level was good. It is important to note that some sites can be complicated in terms of past construction practices and miscellaneous activities. The interpretations presented in this report are based on observed geophysical responses, visual observations, and historical information.

If you have any questions, please contact me 610-722-5500. It was a pleasure working with you on this project, and look forward to conducting geophysical investigations for you in the future.

Sincerely,

Peter T. Miller Ph.D., P.G.
Senior Geophysicist, AGS

Encl.: Figures 1: Site Map and Seismic Line Locations
Figures 2 – 9: Seismic Profiles and Shear Wave Velocity Profiles
Figure 10 – EM31 In Phase Map



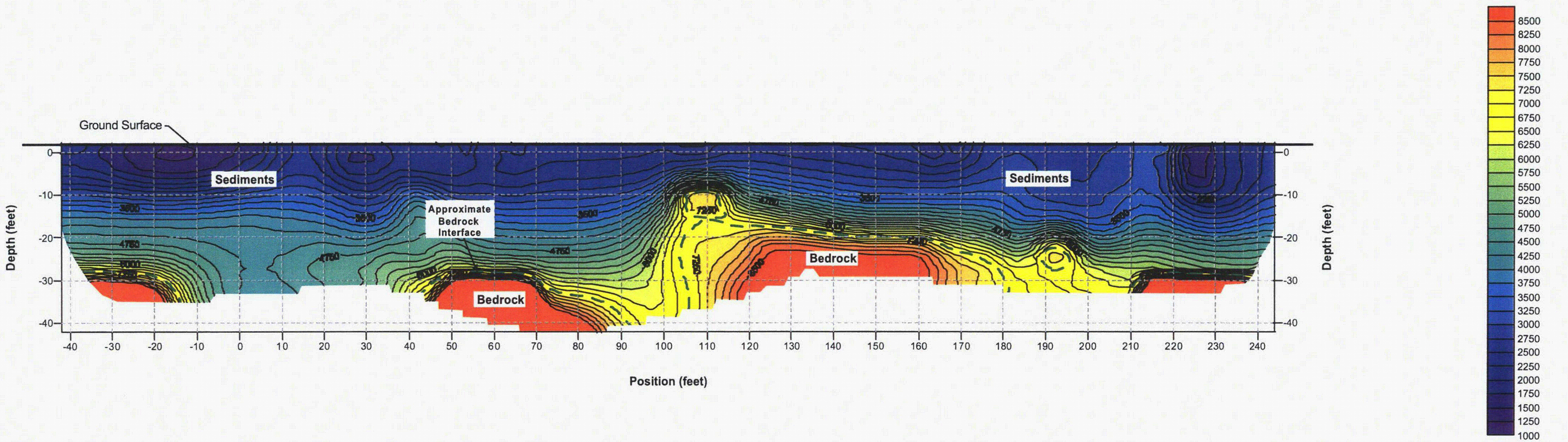

NOTES:
1) Data were acquired with a 24 Channel DAQ Link II Seismograph coupled with 10 Hz geophones at 5 feet intervals. Data collection involved performing five shotpoints per line.
2) Surface elevations are approximate.
3) Data were processed with SeisOpt@2D refraction interpretation software by Optim, Inc. Due to the limitations inherent to the seismic refraction method the velocity cross-section, although very detailed, should be considered an approximation of subsurface conditions.

Scale in Feet
(1" = 50')
0 50 100 150

ADVANCED GEOLOGICAL SERVICES

| | |
|---|---|
| SEISMIC LINE LOCATIONS WAREHOUSE AREA | |
| LOCATION: BUCHANAN, NEW YORK | |
| CLIENT: GZA GEOENVIRONMENTAL, INC. | FIGURE 1 |
| PROJECT #: 06-245-1 | ADVANCED GEOLOGICAL SERVICES, INC. |
| DATE: SEPTEMBER 20, 2006 | DRAWN BY: P. MILLER / APPROVED BY: P. MILLER |

# SEISMIC REFRACTION PROFILE - LINE 1




SEISMIC VELOCITY, Vp
(feet/second)
Contour Interval = 500 ft/s

NOTES:
1) Data were acquired with a 24 Channel DAQ Link II Seismograph coupled with 10 Hz geophones at 5 feet intervals. Data collection involved performing five shotpoints per line.
2) Surface elevations are approximate.
3) Data were processed with SeisOpt@2D refraction interpretation software by Optim, Inc. Due to the limitations inherent to the seismic refraction method the velocity cross-section, although very detailed, should be considered an approximation of subsurface conditions.

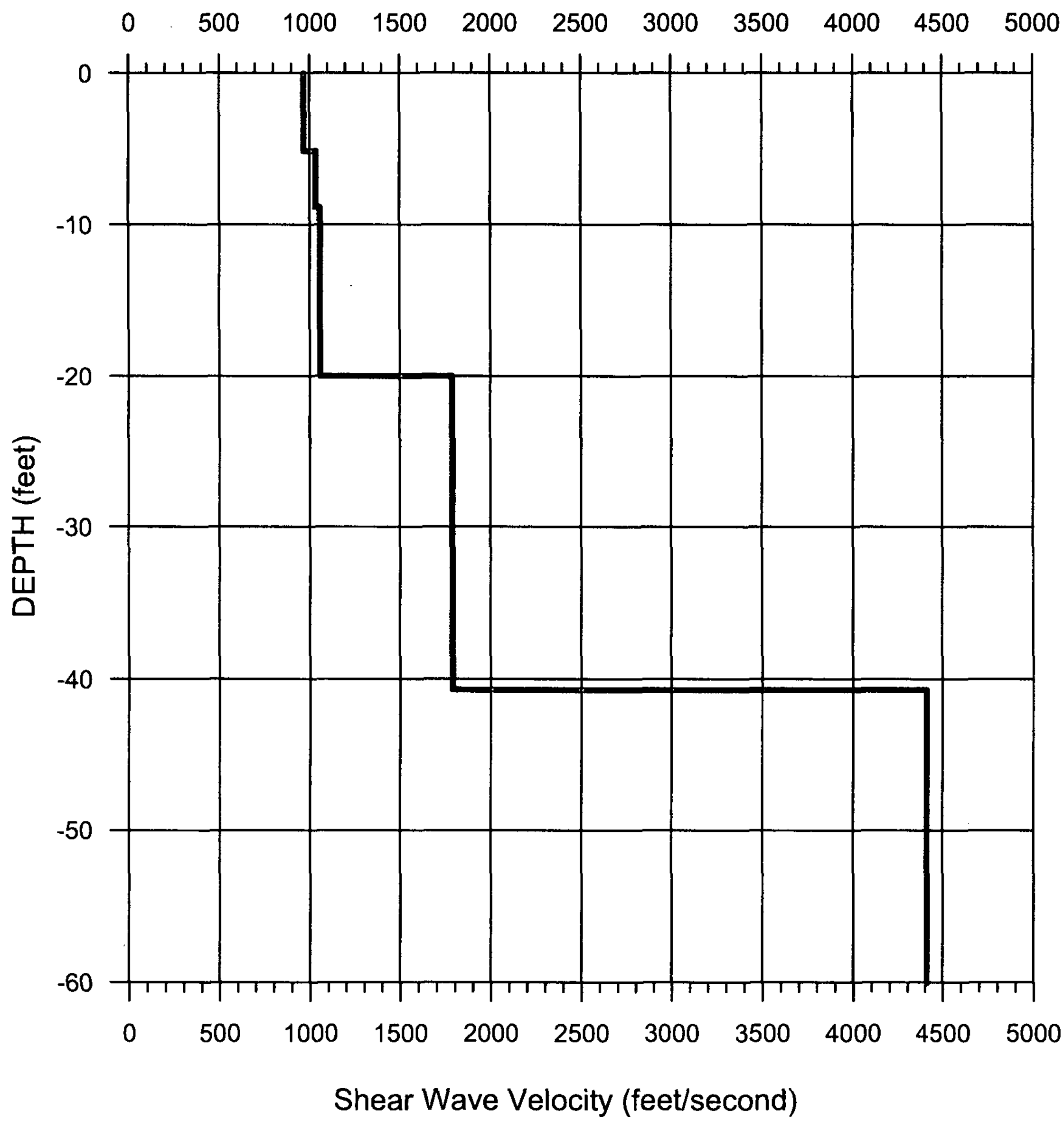
**Scale in Feet**
(1" = 25')
0 25 50 75

ADVANCED GEOLOGICAL SERVICES

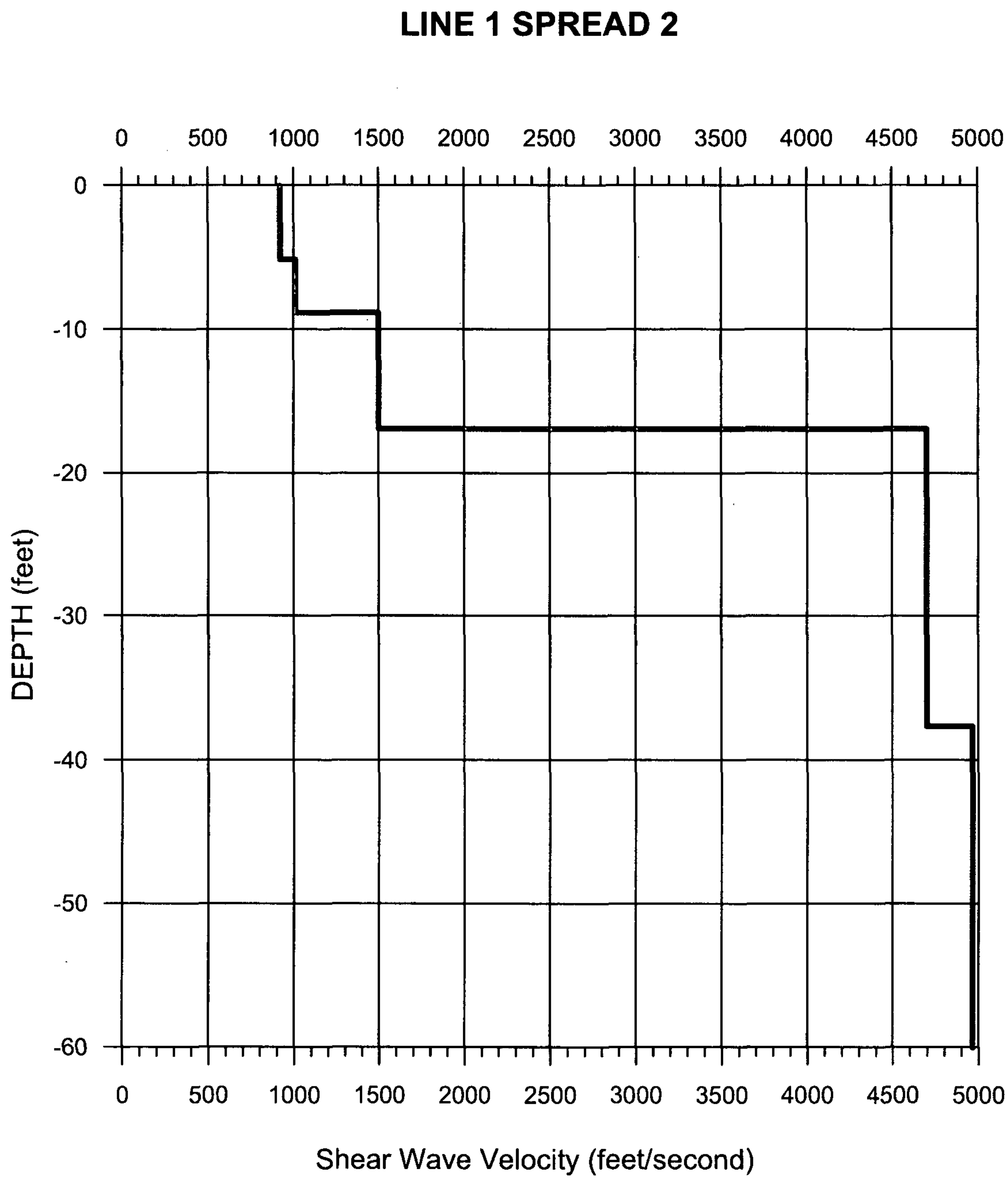
SEISMIC PROFILE - LINE 1
WAREHOUSE AREA

| | |
|---|---|
| LOCATION: BUCHANAN, NEW YORK | |
| CLIENT: GZA GEOENVIRONMENTAL, INC. | FIGURE |
| PROJECT #: 06-245-1 | ADVANCED GEOLOGICAL SERVICES, INC. |
| DATE: SEPTEMBER 20, 2006 | DRAWN BY: P. MILLER / APPROVED BY: P. MILLER |
| | 2 |

## LINE 1 SPREAD 1



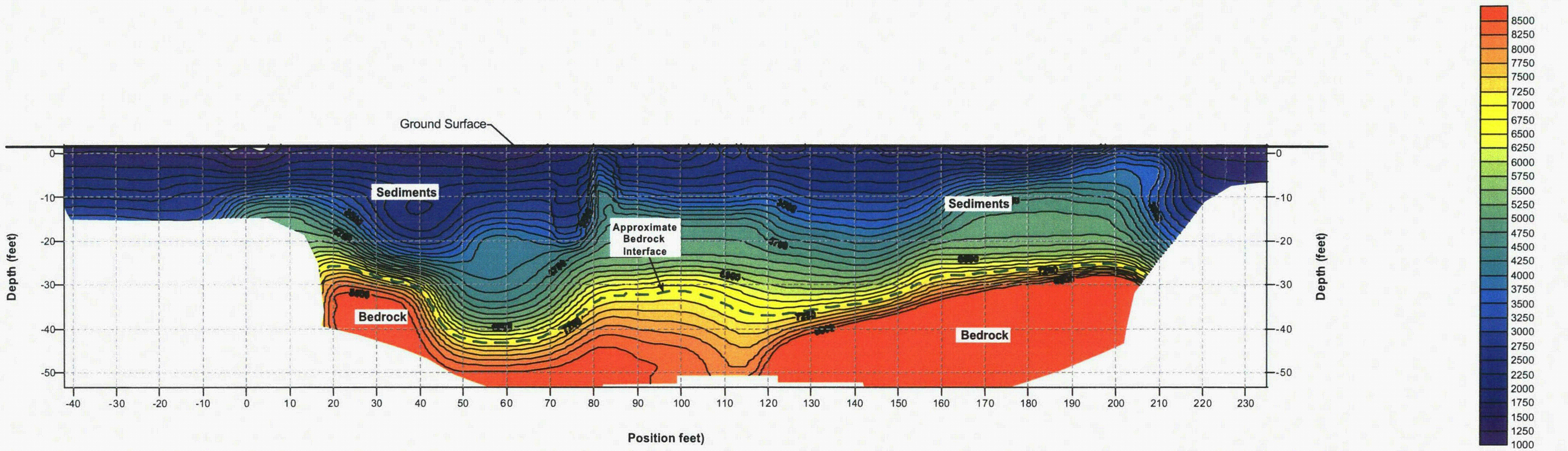

| | | |
|---|---|---|
| ADVANCED GEOLOGICAL SERVICES | S1 - SHEAR WAVE VELOCITY PROFILE<br>ReMi RESULTS<br>INDIAN POINT POWER PLANT | |
| | LOCATION: BUCHANAN, NEW YORK | |
| | CLIENT: GZA GEOENVIRONMENTAL | FIGURE |
| PROJECT #: 06-245-1 | ADVANCED GEOLOGICAL SERVICES, INC. | 2A |
| DATE: SEPTEMBER 20, 2006 | DATE: P. MILLER / DRAWN BY: P. MILLER | |




ADVANCED GEOLOGICAL SERVICES

| | |
|---|---|
| S1 - SHEAR WAVE VELOCITY PROFILE<br>ReMi RESULTS<br>INDIAN POINT POWER PLANT | |
| LOCATION: BUCHANAN, NEW YORK | |
| CLIENT: GZA GEOENVIRONMENTAL | FIGURE |
| PROJECT #: 06-245-1 | ADVANCED GEOLOGICAL SERVICES, INC. | 
| DATE: SEPTEMBER 20, 2006 | DATE: P. MILLER | DRAWN BY: P. MILLER | 2B |

## SEISMIC REFRACTION PROFILE - LINE 2




SEISMIC VELOCITY, Vp
(feet/second)
Contour Interval = 500 ft/s

NOTES:

1) Data were acquired with a 24 Channel DAQ Link II Seismograph coupled with 10 Hz geophones at 5 feet intervals. Data collection involved performing five shotpoints per line.
2) Surface elevations are approximate.
3) Data were processed with SeisOpt@2D refraction interpretation software by Optim, Inc. Due to the limitations inherent to the seismic refraction method the velocity cross-section, although very detailed, should be considered an approximation of subsurface conditions.

Scale in Feet
(1" = 25')

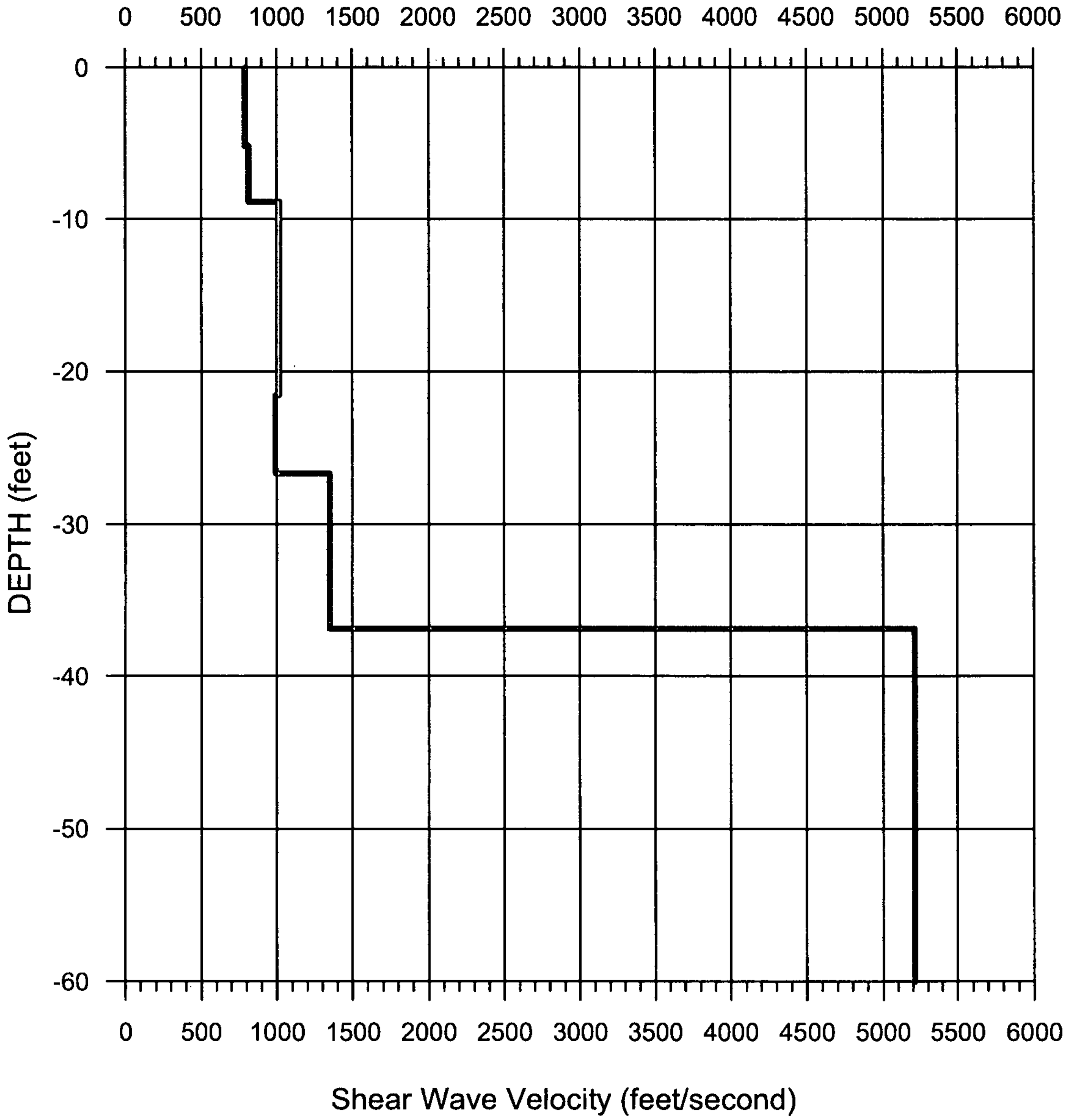
0 25 50 75

ADVANCED GEOLOGICAL SERVICES

SEISMIC PROFILE - LINE 2
WAREHOUSE AREA

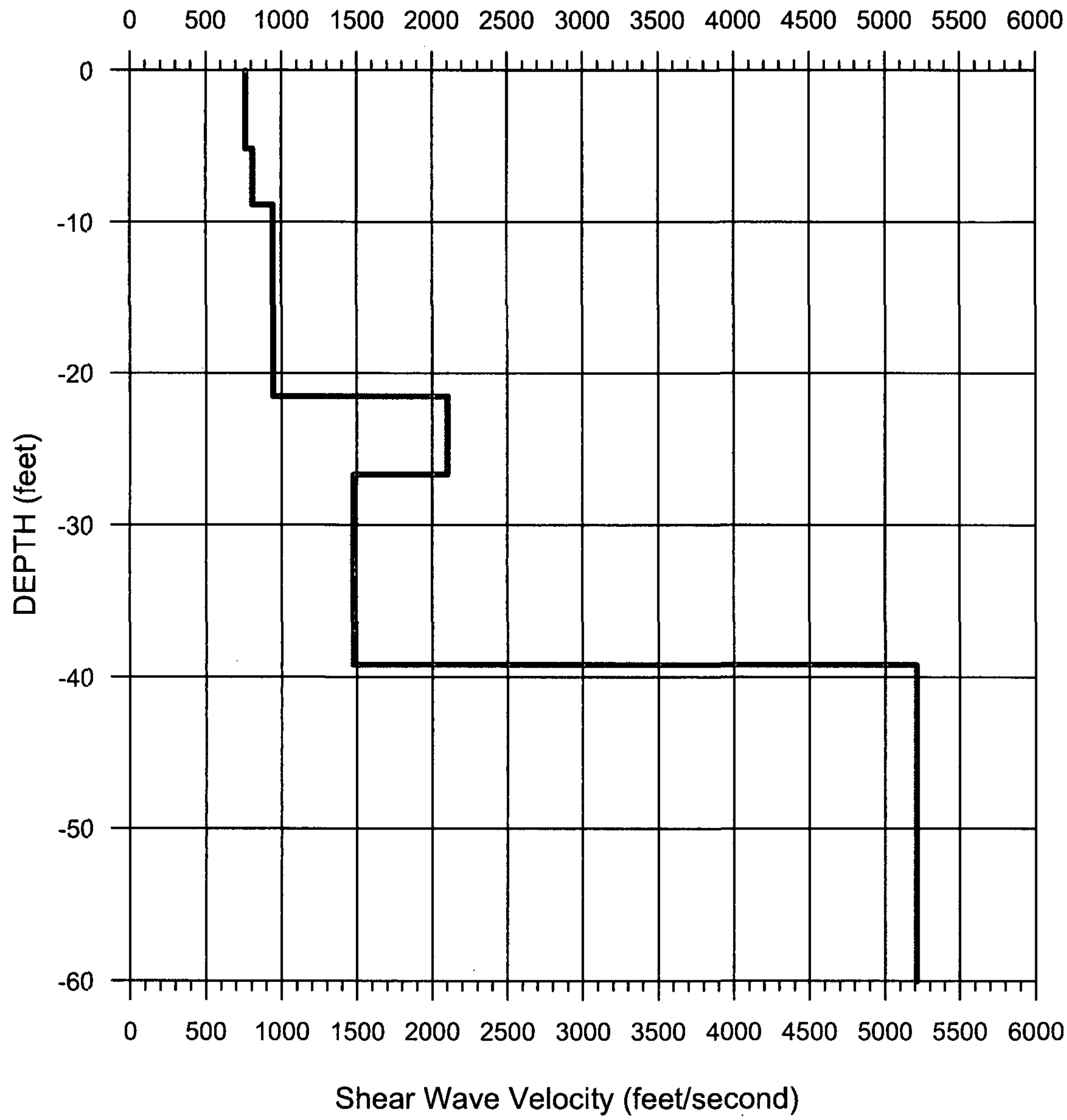
LOCATION: BUCHANAN, NEW YORK
CLIENT: GZA GEOENVIRONMENTAL, INC.
ADVANCED GEOLOGICAL SERVICES, INC.
PROJECT #: 06-245-1
DATE: SEPTEMBER 20, 2006
DRAWN BY: P. MILLER
APPROVED BY: P. MILLER
FIGURE 3

# LINE 2 SPREAD 1

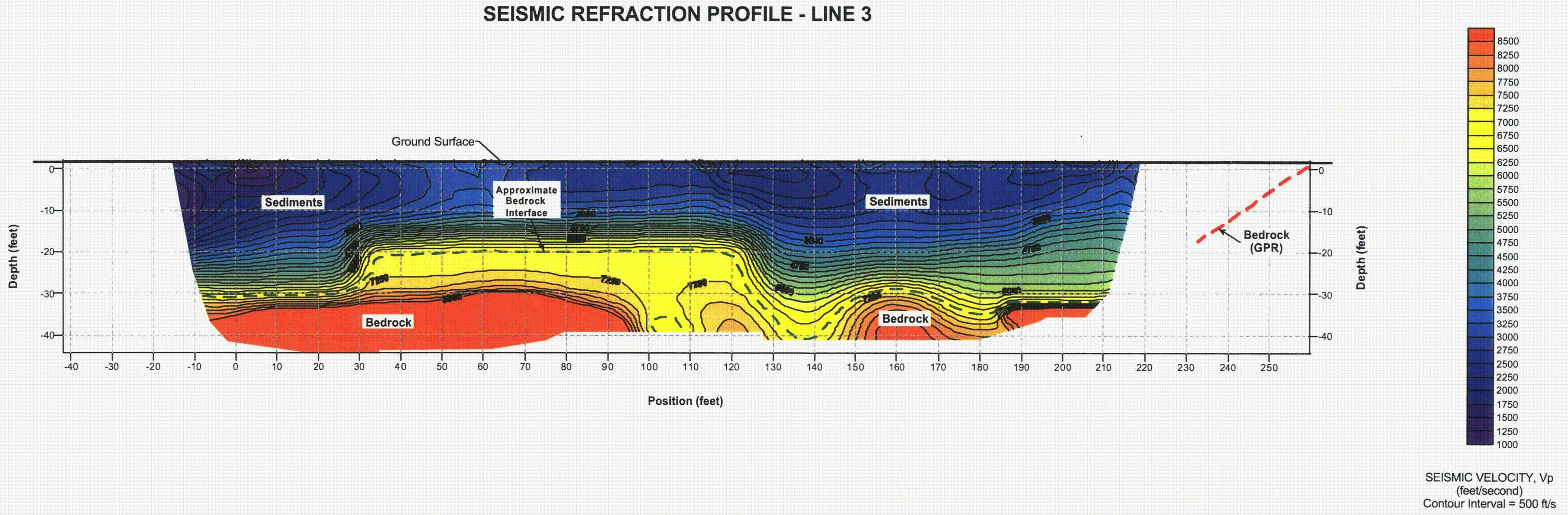



| | | |
|---|---|---|
| ADVANCED GEOLOGICAL SERVICES | SHEAR WAVE VELOCITY PROFILE<br>ReMi RESULTS<br>INDIAN POINT POWER PLANT | |
| | LOCATION: BUCHANAN, NEW YORK | |
| | CLIENT: GZA GEOENVIRONMENTAL | FIGURE |
| PROJECT #: 06-245-1 | ADVANCED GEOLOGICAL SERVICES, INC. | 3A |
| DATE: SEPTEMBER 20, 2006 | DATE: P. MILLER / DRAWN BY: P. MILLER | |

## LINE 2 SPREAD 2




| | | | |
|---|---|---|---|
| ADVANCED GEOLOGICAL SERVICES | SHEAR WAVE VELOCITY PROFILE<br>ReMi RESULTS<br>INDIAN POINT POWER PLANT | | |
| | LOCATION: BUCHANAN, NEW YORK | | |
| | CLIENT: GZA GEOENVIRONMENTAL | | FIGURE |
| PROJECT #: 06-245-1 | ADVANCED GEOLOGICAL SERVICES, INC. | | 3B |
| DATE: SEPTEMBER 20, 2006 | DATE: P. MILLER | DRAWN BY: P. MILLER | |



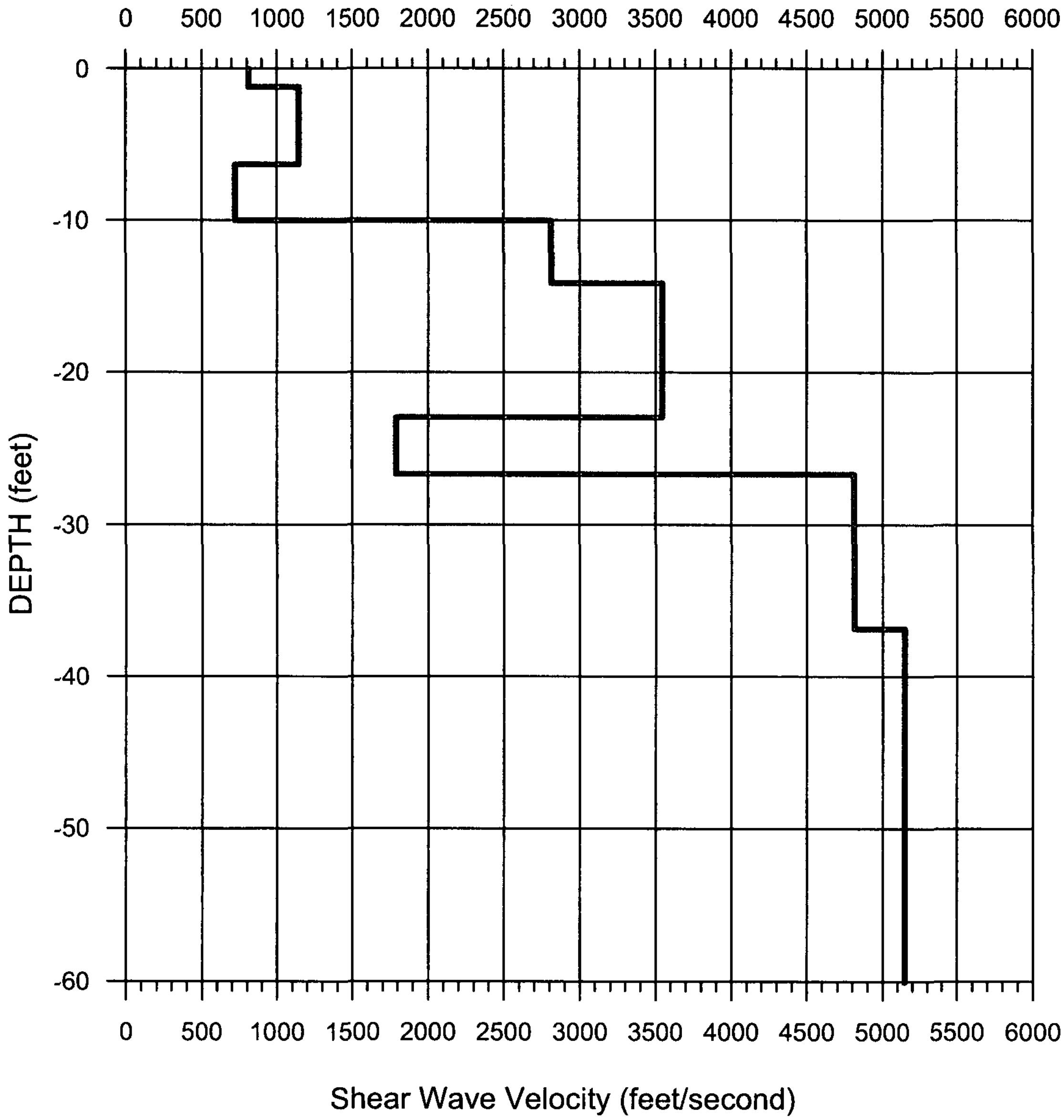

NOTES:
1) Data were acquired with a 24 Channel DAQ Link II Seismograph coupled with 10 Hz geophones at 5 feet intervals. Data collection involved performing five shotpoints per line.
2) Surface elevations are approximate.
3) Data were processed with SeisOpt@2D refraction interpretation software by Optim, Inc. Due to the limitations inherent to the seismic refraction method the velocity cross-section, although very detailed, should be considered an approximation of subsurface conditions.

**Scale in Feet**
(1" = 25')
0 25 50 75

ADVANCED GEOLOGICAL SERVICES

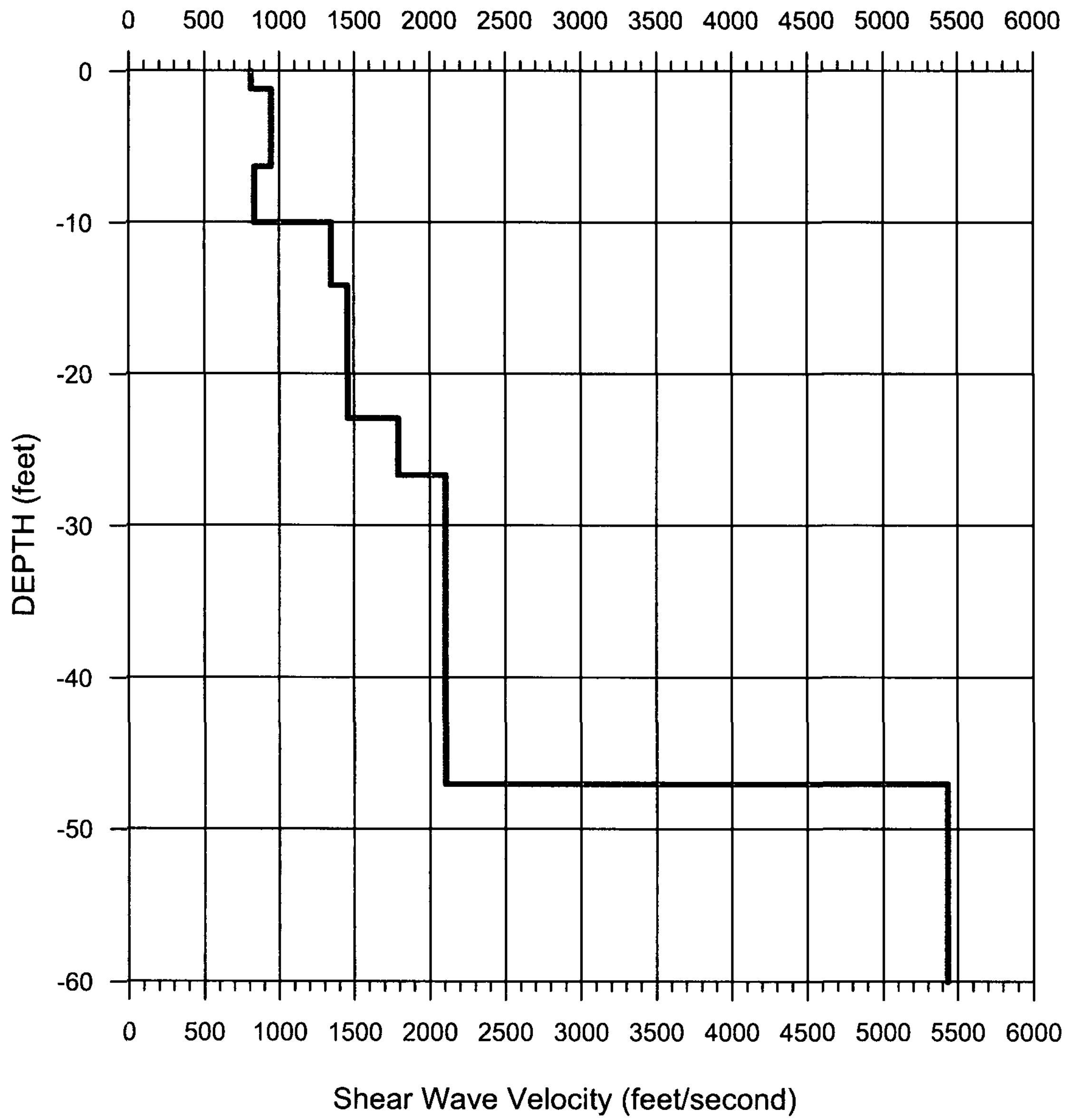
| | |
|---|---|
| SEISMIC PROFILE - LINE 3 WAREHOUSE AREA | |
| LOCATION: BUCHANAN, NEW YORK | |
| CLIENT: GZA GEOENVIRONMENTAL, INC. | FIGURE 4 |
| PROJECT #: 06-245-1 | ADVANCED GEOLOGICAL SERVICES, INC. |
| DATE: SEPTEMBER 20, 2006 | DRAWN BY: P. MILLER / APPROVED BY: P. MILLER |

## LINE 3 SPREAD 1

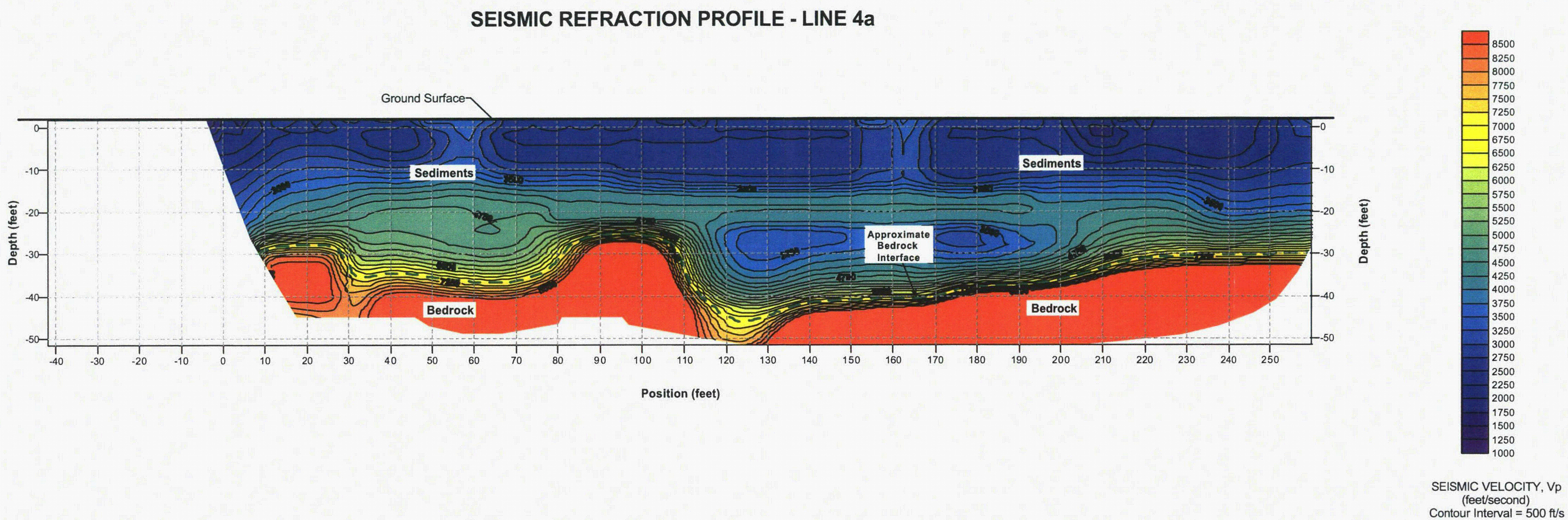



| | | |
|---|---|---|
| ADVANCED GEOLOGICAL SERVICES | SHEAR WAVE VELOCITY PROFILE<br>ReMi RESULTS<br>INDIAN POINT POWER PLANT | |
| | LOCATION: BUCHANAN, NEW YORK | |
| | CLIENT: GZA GEOENVIRONMENTAL | FIGURE<br>4A |
| PROJECT #: 06-245-1 | ADVANCED GEOLOGICAL SERVICES, INC. | |
| DATE: SEPTEMBER 20, 2006 | DATE: P. MILLER / DRAWN BY: P. MILLER | |

# LINE 3 SPREAD 2




| | | | |
|---|---|---|---|
| ADVANCED GEOLOGICAL SERVICES | SHEAR WAVE VELOCITY PROFILE<br>ReMi RESULTS<br>INDIAN POINT POWER PLANT | | |
| | LOCATION: BUCHANAN, NEW YORK | | |
| | CLIENT: GZA GEOENVIRONMENTAL | | FIGURE |
| PROJECT #: 06-245-1 | ADVANCED GEOLOGICAL SERVICES, INC. | | 4B |
| DATE: SEPTEMBER 20, 2006 | DATE: P. MILLER | DRAWN BY: P. MILLER | |




NOTES:

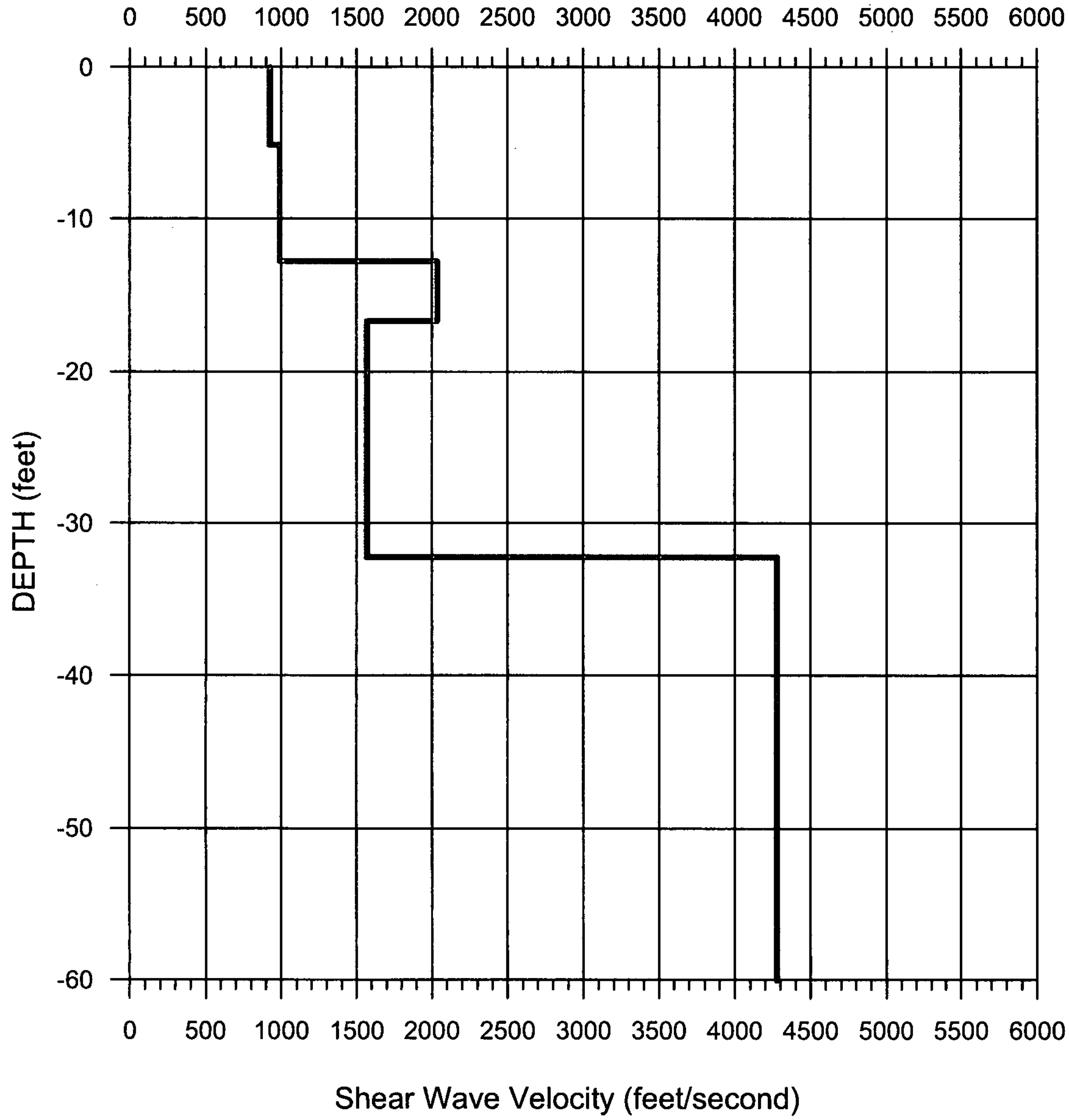
1) Data were acquired with a 24 Channel DAQ Link II Seismograph coupled with 10 Hz geophones at 5 feet intervals. Data collection involved performing five shotpoints per line.
2) Surface elevations are approximate.
3) Data were processed with SeisOpt@2D refraction interpretation software by Optim, Inc. Due to the limitations inherent to the seismic refraction method the velocity cross-section, although very detailed, should be considered an approximation of subsurface conditions.

Scale in Feet
(1" = 25')
0 25 50 75

ADVANCED GEOLOGICAL SERVICES

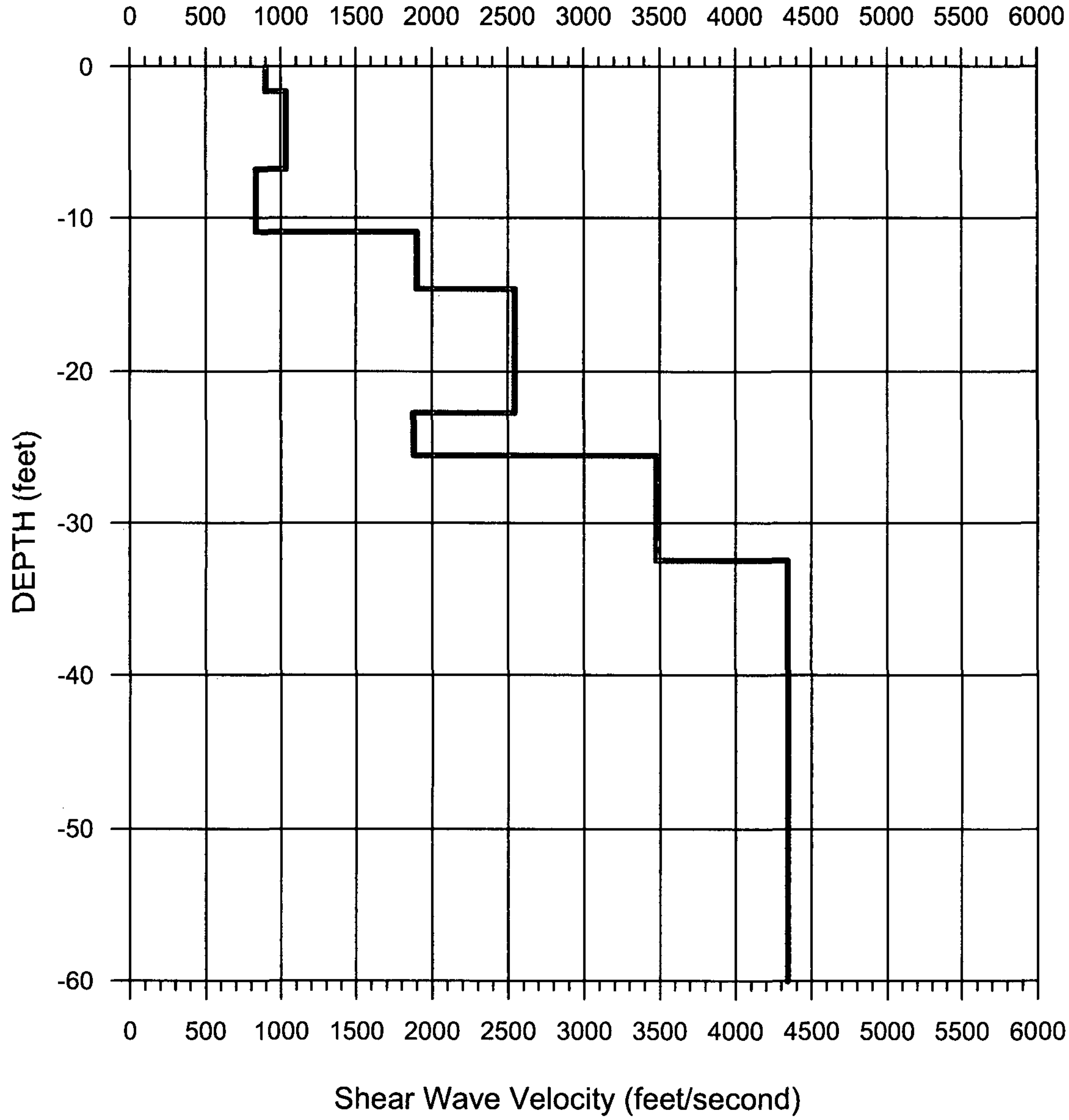
| | |
|---|---|
| SEISMIC PROFILE - LINE 4a<br>WAREHOUSE AREA | |
| LOCATION: BUCHANAN, NEW YORK | |
| CLIENT: GZA GEOENVIRONMENTAL, INC. | FIGURE 5 |
| PROJECT #: 06-245-1 | ADVANCED GEOLOGICAL SERVICES, INC. |
| DATE: SEPTEMBER 20, 2006 | DRAWN BY: P. MILLER — APPROVED BY: P. MILLER |

## LINE 4a SPREAD 1



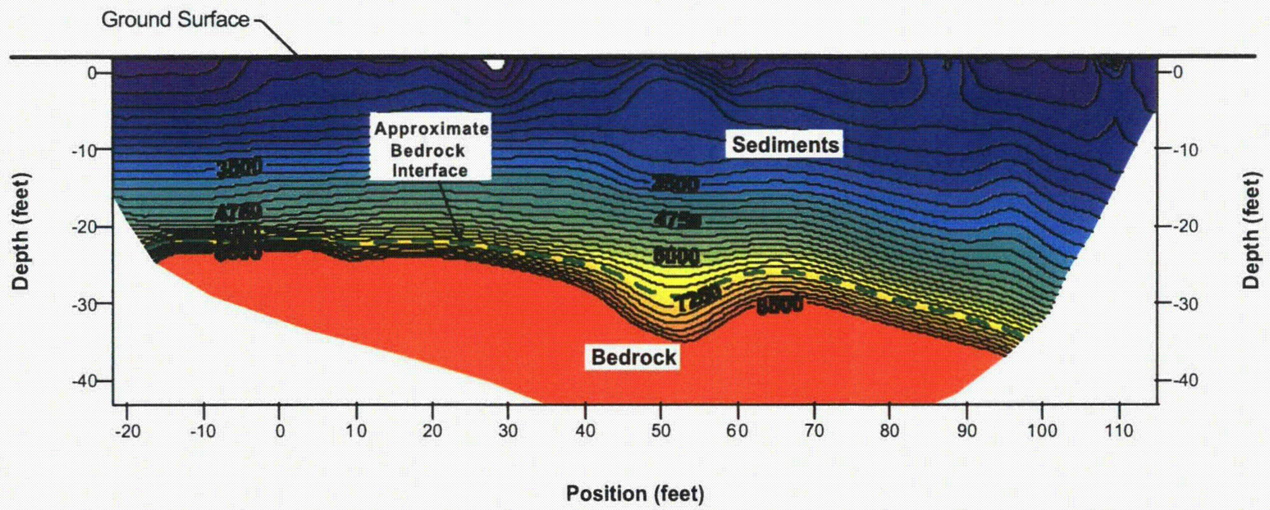

| | | |
|---|---|---|
| ADVANCED GEOLOGICAL SERVICES | SHEAR WAVE VELOCITY PROFILE<br>ReMi RESULTS<br>INDIAN POINT POWER PLANT | |
| | LOCATION: BUCHANAN, NEW YORK | |
| | CLIENT: GZA GEOENVIRONMENTAL | FIGURE |
| PROJECT #: 06-245-1 | ADVANCED GEOLOGICAL SERVICES, INC. | 5A |
| DATE: SEPTEMBER 20, 2006 | DATE: P. MILLER / DRAWN BY: P. MILLER | |

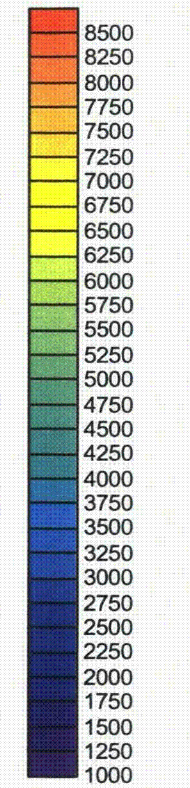
# LINE 4a SPREAD 2




| | | |
|---|---|---|
| ADVANCED GEOLOGICAL SERVICES | SHEAR WAVE VELOCITY PROFILE<br>ReMi RESULTS<br>INDIAN POINT POWER PLANT | |
| | LOCATION: BUCHANAN, NEW YORK | |
| | CLIENT: GZA GEOENVIRONMENTAL | FIGURE |
| PROJECT #: 06-245-1 | ADVANCED GEOLOGICAL SERVICES, INC. | 5B |
| DATE: SEPTEMBER 20, 2006 | DATE: P. MILLER / DRAWN BY: P. MILLER | |

## SEISMIC REFRACTION PROFILE - LINE 4



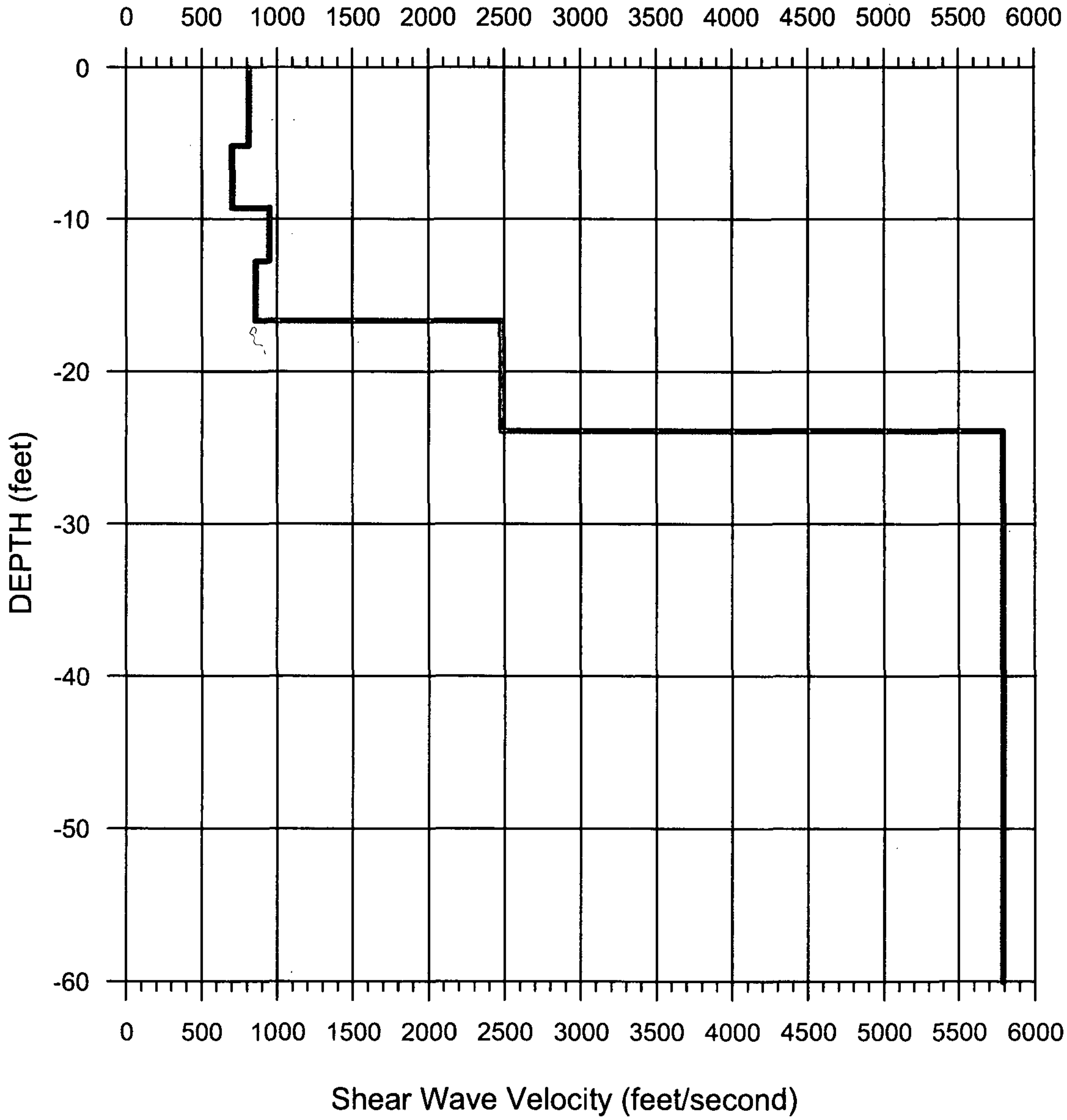

SEISMIC VELOCITY, Vp
(feet/second)
Contour Interval = 500 ft/s

NOTES:
1) Data were acquired with a 24 Channel DAQ Link II Seismograph coupled with 10 Hz geophones at 5 feet intervals. Data collection involved performing five shotpoints per line.
2) Surface elevations are approximate.
3) Data were processed with SeisOpt@2D refraction interpretation software by Optim, Inc. Due to the limitations inherent to the seismic refraction method the velocity cross-section, although very detailed, should be considered an approximation of subsurface conditions.

**Scale in Feet**
(1" = 25')
0 25 50 75

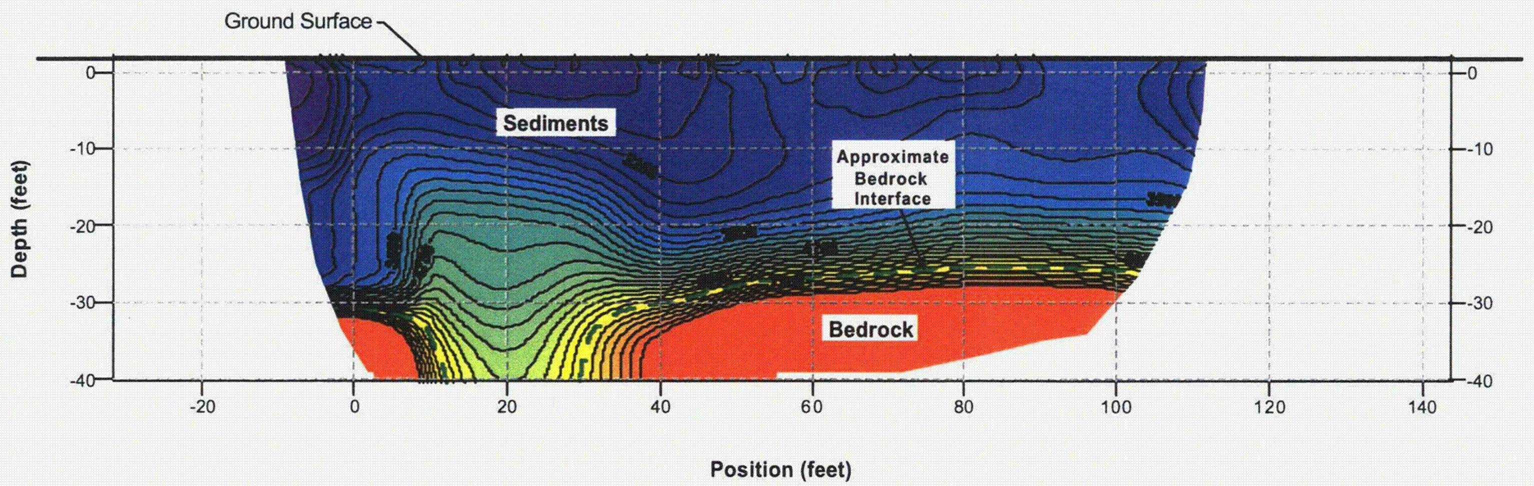
| | | | |
|---|---|---|---|
| ADVANCED GEOLOGICAL SERVICES | SEISMIC PROFILE - LINE 4<br>WAREHOUSE AREA | | |
| | LOCATION: BUCHANAN, NEW YORK | | |
| | CLIENT: GZA GEOENVIRONMENTAL, INC. | | FIGURE |
| PROJECT #: 06-245-1 | ADVANCED GEOLOGICAL SERVICES, INC. | | 6 |
| DATE: SEPTEMBER 20, 2006 | DRAWN BY: P. MILLER | APPROVED BY: P. MILLER | |

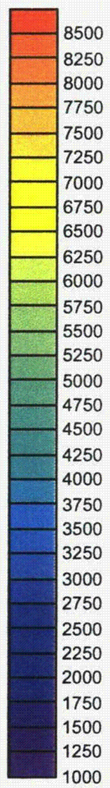
## LINE 4 SPREAD 1




| | | | |
|---|---|---|---|
| ADVANCED GEOLOGICAL SERVICES | SHEAR WAVE VELOCITY PROFILE<br>ReMi RESULTS<br>INDIAN POINT POWER PLANT | | |
| | LOCATION: BUCHANAN, NEW YORK | | |
| | CLIENT: GZA GEOENVIRONMENTAL | | FIGURE<br>6A |
| PROJECT #: 06-245-1 | ADVANCED GEOLOGICAL SERVICES, INC. | | |
| DATE: SEPTEMBER 20, 2006 | DATE: P. MILLER | DRAWN BY: P. MILLER | |

## SEISMIC REFRACTION PROFILE - LINE 5



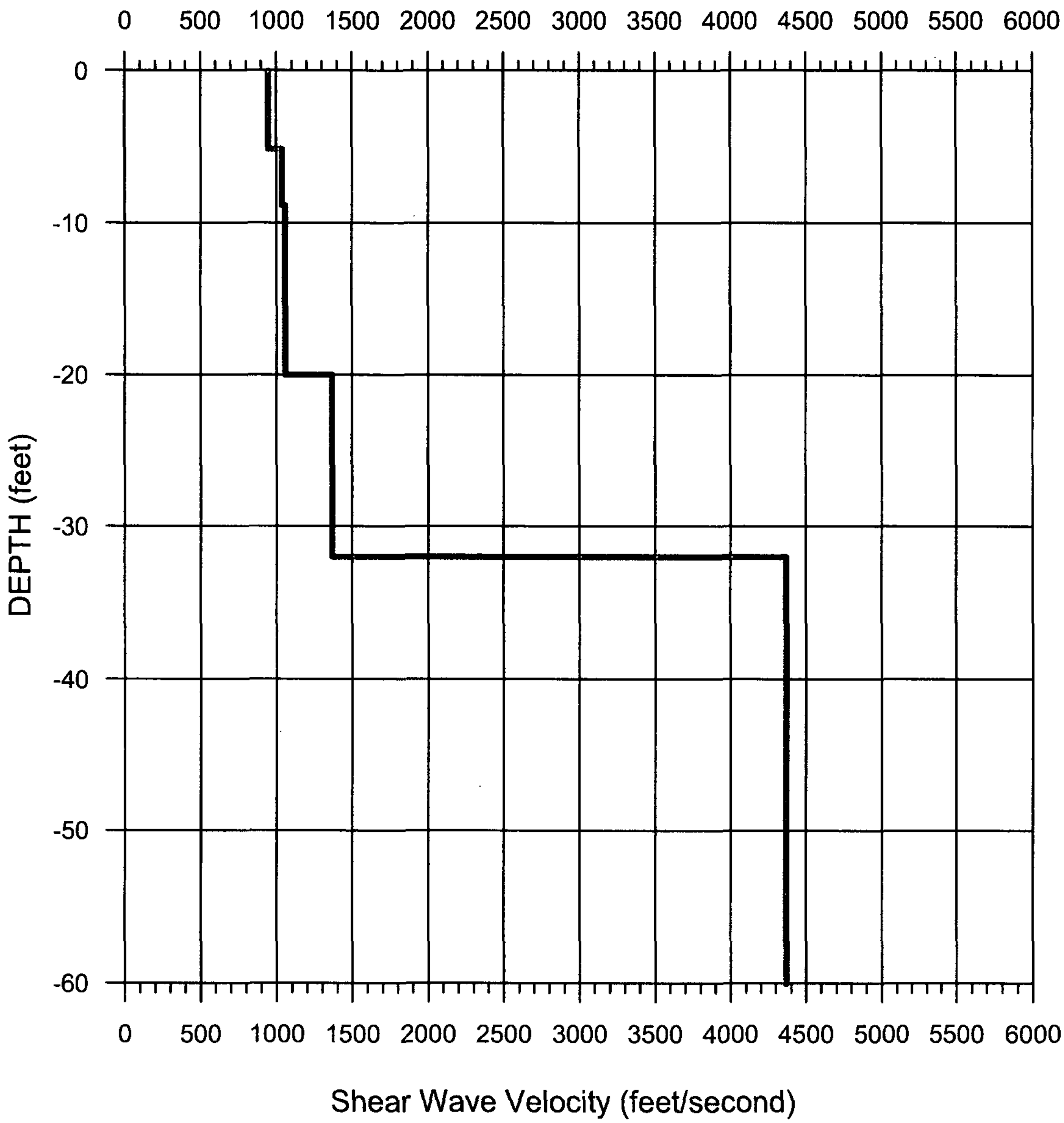

SEISMIC VELOCITY, Vp
(feet/second)
Contour Interval = 500 ft/s

NOTES:
1) Data were acquired with a 24 Channel DAQ Link II Seismograph coupled with 10 Hz geophones at 5 feet intervals. Data collection involved performing five shotpoints per line.
2) Surface elevations are approximate.
3) Data were processed with SeisOpt@2D refraction interpretation software by Optim, Inc. Due to the limitations inherent to the seismic refraction method the velocity cross-section, although very detailed, should be considered an approximation of subsurface conditions.

Scale in Feet
(1" = 25')
0 25 50 75

| | |
|---|---|
| ADVANCED GEOLOGICAL SERVICES | SEISMIC PROFILE - LINE 5<br>WAREHOUSE AREA |
| | LOCATION: BUCHANAN, NEW YORK |
| | CLIENT: GZA GEOENVIRONMENTAL, INC. — FIGURE 7 |
| PROJECT #: 06-245-1 | ADVANCED GEOLOGICAL SERVICES, INC. |
| DATE: SEPTEMBER 20, 2006 | DRAWN BY: P. MILLER — APPROVED BY: P. MILLER |

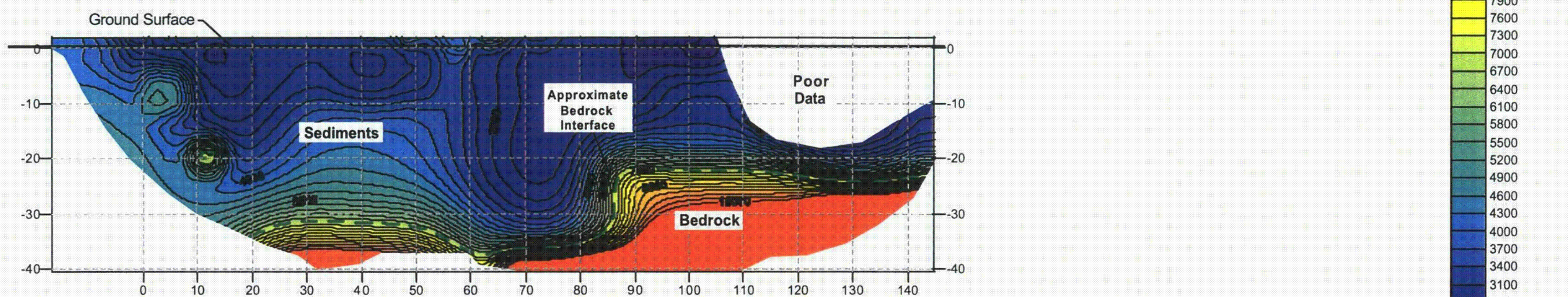
# LINE 5 SPREAD 1




| | |
|---|---|
| ADVANCED GEOLOGICAL SERVICES | SHEAR WAVE VELOCITY PROFILE<br>ReMi RESULTS<br>INDIAN POINT POWER PLANT |
| | LOCATION: BUCHANAN, NEW YORK |
| | CLIENT: GZA GEOENVIRONMENTAL |
| PROJECT #: 06-245-1 | ADVANCED GEOLOGICAL SERVICES, INC. |
| DATE: SEPTEMBER 20, 2006 | DATE: P. MILLER / DRAWN BY: P. MILLER |

FIGURE 7A

## SEISMIC REFRACTION PROFILE - LINE 6




SEISMIC VELOCITY, Vp
(feet/second)
Contour Interval = 300 ft/s

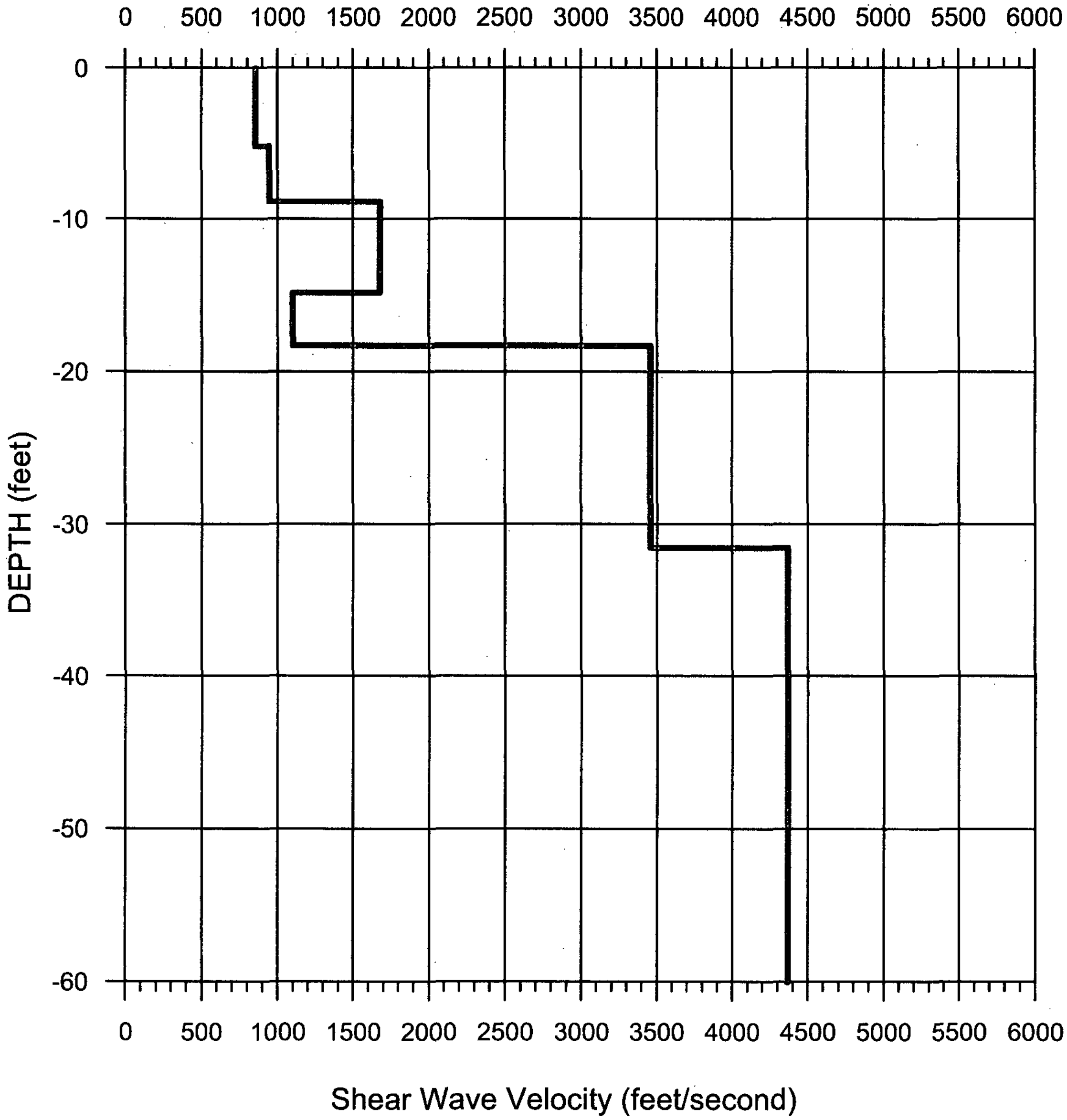
NOTES:
1) Data were acquired with a 24 Channel DAQ Link II Seismograph coupled with 10 Hz geophones at 5 feet intervals. Data collection involved performing five shotpoints per line.
2) Surface elevations are approximate.
3) Data were processed with SeisOpt@2D refraction interpretation software by Optim, Inc. Due to the limitations inherent to the seismic refraction method the velocity cross-section, although very detailed, should be considered an approximation of subsurface conditions.

Scale in Feet
(1" = 25')
0 25 50 75

ADVANCED GEOLOGICAL SERVICES

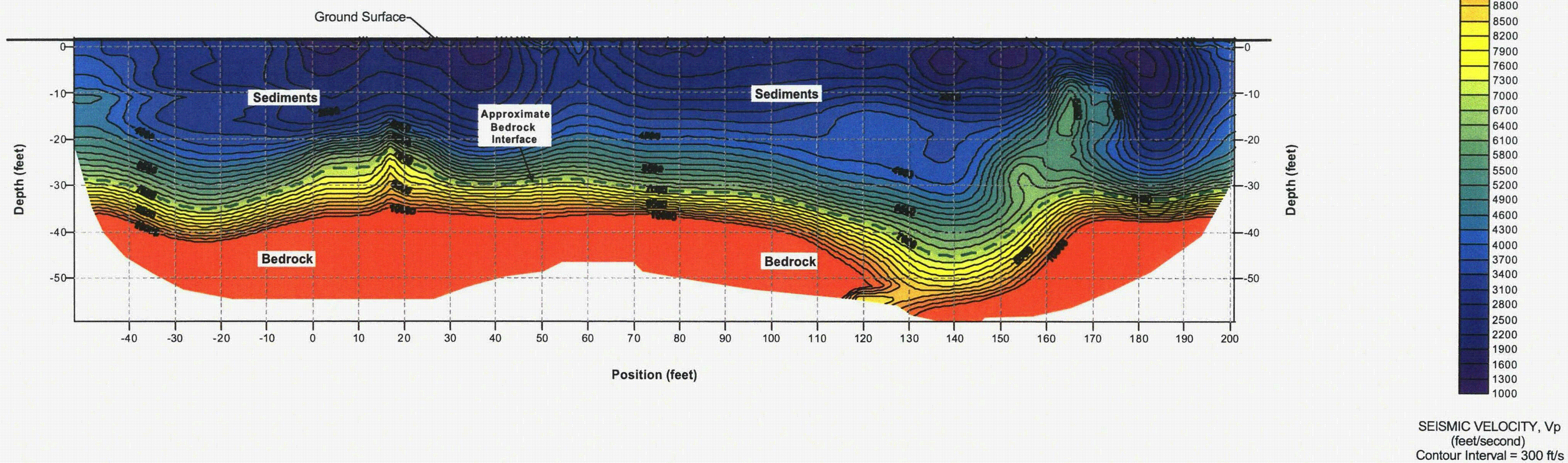
| | |
|---|---|
| SEISMIC PROFILE - LINE 6 WAREHOUSE AREA | |
| LOCATION: BUCHANAN, NEW YORK | |
| CLIENT: GZA GEOENVIRONMENTAL, INC. | FIGURE 8 |
| PROJECT #: 06-245-1 | ADVANCED GEOLOGICAL SERVICES, INC. |
| DATE: SEPTEMBER 20, 2006 | DRAWN BY: P. MILLER / APPROVED BY: P. MILLER |

## LINE 6 SPREAD 1




| | | | |
|---|---|---|---|
| ADVANCED GEOLOGICAL SERVICES | SHEAR WAVE VELOCITY PROFILE<br>ReMi RESULTS<br>INDIAN POINT POWER PLANT | | |
| | LOCATION: BUCHANAN, NEW YORK | | |
| | CLIENT: GZA GEOENVIRONMENTAL | | FIGURE<br>8A |
| PROJECT #: 06-245-1 | ADVANCED GEOLOGICAL SERVICES, INC. | | |
| DATE: SEPTEMBER 20, 2006 | DATE: P. MILLER | DRAWN BY: P. MILLER | |

## SEISMIC REFRACTION PROFILE - LINE 7

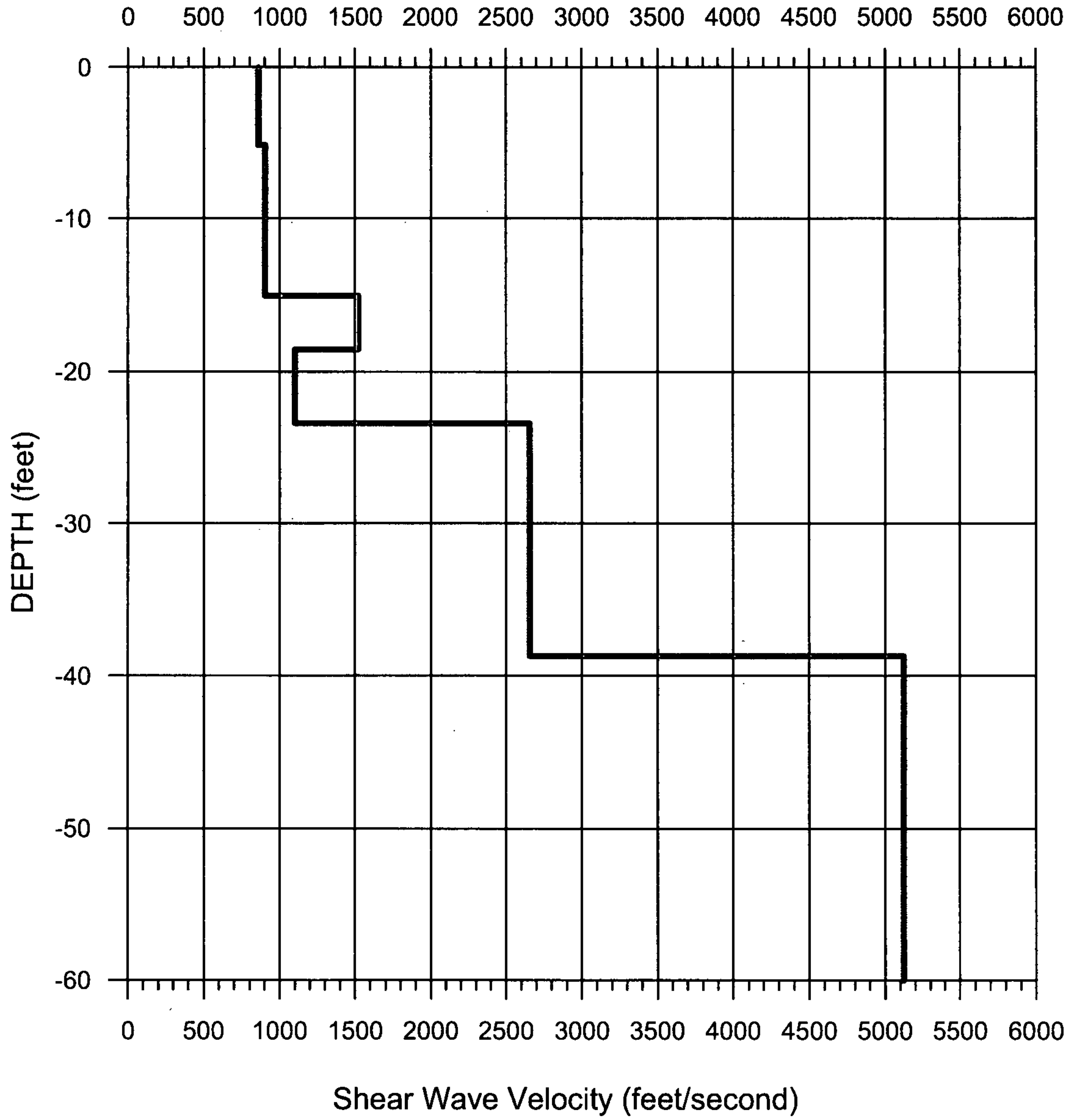



NOTES:
1) Data were acquired with a 24 Channel DAQ Link II Seismograph coupled with 10 Hz geophones at 5 feet intervals. Data collection involved performing five shotpoints per line.
2) Surface elevations are approximate.
3) Data were processed with SeisOpt@2D refraction interpretation software by Optim, Inc. Due to the limitations inherent to the seismic refraction method the velocity cross-section, although very detailed, should be considered an approximation of subsurface conditions.

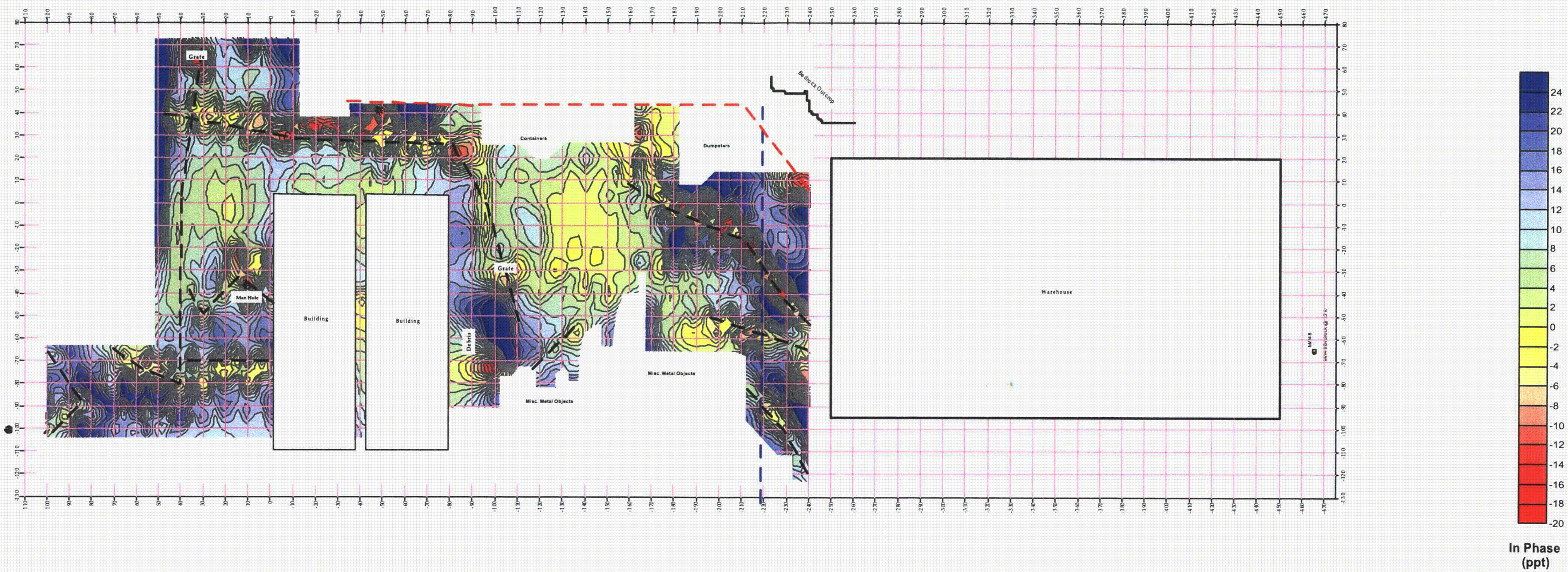
**Scale in Feet**
(1" = 25')
0 25 50 75

| | | | |
|---|---|---|---|
| ADVANCED GEOLOGICAL SERVICES | SEISMIC PROFILE - LINE 7<br>WAREHOUSE AREA | | |
| | LOCATION: BUCHANAN, NEW YORK | | |
| | CLIENT: GZA GEOENVIRONMENTAL, INC. | | FIGURE |
| PROJECT #: 06-245-1 | ADVANCED GEOLOGICAL SERVICES, INC. | | 9 |
| DATE: SEPTEMBER 20, 2006 | DRAWN BY: P. MILLER | APPROVED BY: P. MILLER | |

# LINE 7 SPREAD 1




| | | | |
|---|---|---|---|
| ADVANCED GEOLOGICAL SERVICES | SHEAR WAVE VELOCITY PROFILE<br>ReMi RESULTS<br>INDIAN POINT POWER PLANT | | |
| | LOCATION: BUCHANAN, NEW YORK | | |
| | CLIENT: GZA GEOENVIRONMENTAL | | FIGURE<br>9A |
| PROJECT #: 06-245-1 | ADVANCED GEOLOGICAL SERVICES, INC. | | |
| DATE: SEPTEMBER 20, 2006 | DATE: P. MILLER | DRAWN BY: P. MILLER | |




NOTES:
1) Data were acquired with an EM31 electromagnetic instrument by Geonics, Inc. The in phase (metals) responses are presented in this figure. Data was collected in a 5-foot by 5-foot grid.
2) Several buried pipelines were detected in the survey area. They are shown as bold, dashed lines on the map. AGS marked out some of these lines in the field, as well as a few additional electrical lines.
3) The survey grid was not established using a licenced surveyor and the exact positions should be considered approximate.
4) Data were processed with the Surfer data contouring software package. The krigiing contour procedure was used to generate the map.

**Scale in Feet**
(1" = 50')

0 50 100 150

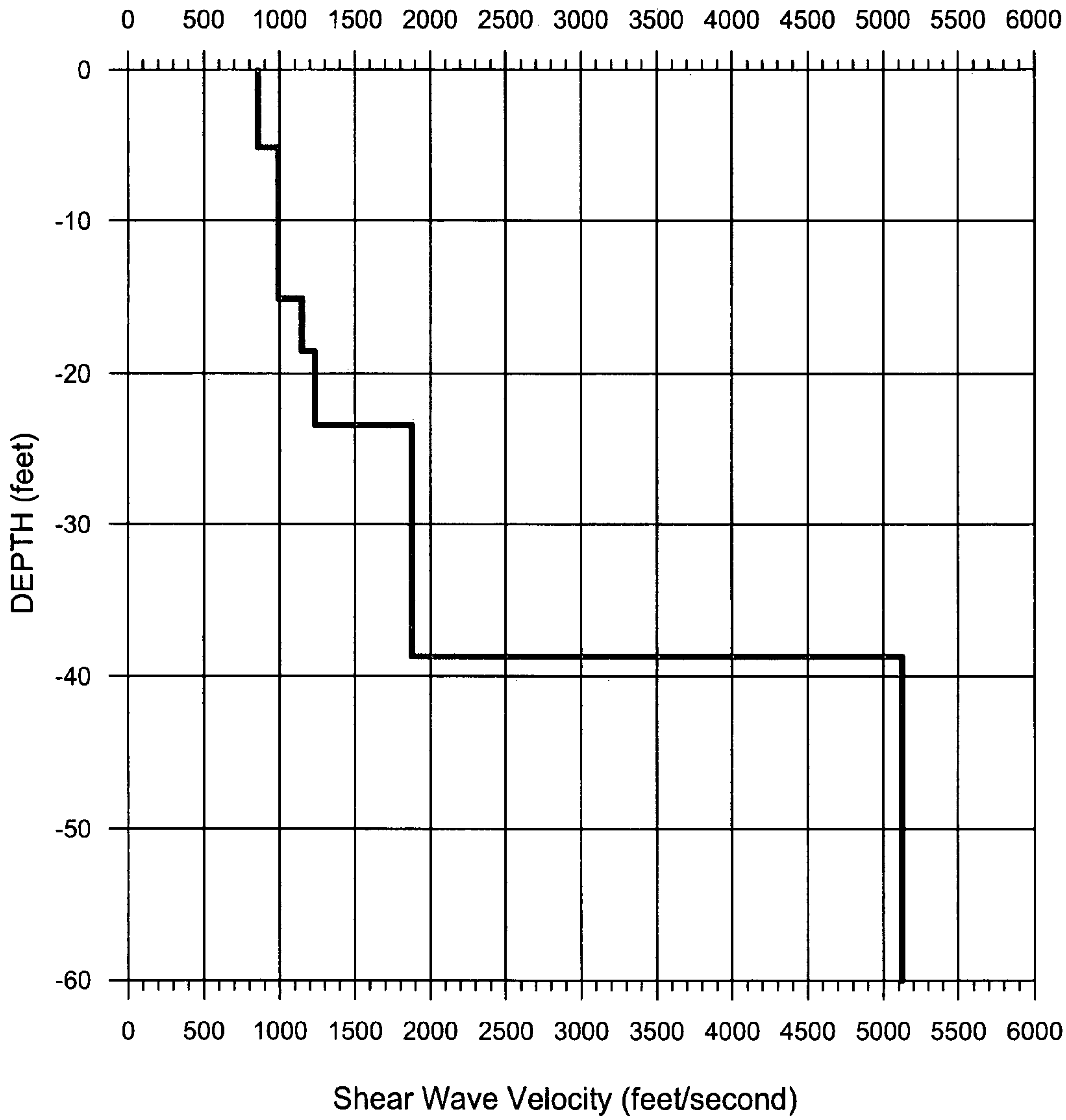
ADVANCED GEOLOGICAL SERVICES

# EM31 IN PHASE MAP
# WAREHOUSE AREA

| | |
|---|---|
| LOCATION: BUCHANAN, NEW YORK | |
| CLIENT: GZA GEOENVIRONMENTAL, INC. | FIGURE |
| PROJECT #: 06-245-1 | ADVANCED GEOLOGICAL SERVICES, INC. |
| DATE: SEPTEMBER 20, 2006 | DRAWN BY: P. MILLER / APPROVED BY: P. MILLER |

FIGURE 10

## LINE 7 SPREAD 2




| | |
|---|---|
| ADVANCED GEOLOGICAL SERVICES | SHEAR WAVE VELOCITY PROFILE<br>ReMi RESULTS<br>INDIAN POINT POWER PLANT |
| | LOCATION: BUCHANAN, NEW YORK |
| | CLIENT: GZA GEOENVIRONMENTAL |
| PROJECT #: 06-245-1 | ADVANCED GEOLOGICAL SERVICES, INC. |
| DATE: SEPTEMBER 20, 2006 | DATE: P. MILLER — DRAWN BY: P. MILLER |

FIGURE 10A

**APPENDIX P**

OUL PROCEDURES AND CRITERIA

Ozark UNDERGROUND LABORATORY 1572 Aley Lane Protem, MO 65733 (417) 785-4289 fax (417) 785-4290 oul@tri-lakes.net

# PROCEDURES AND CRITERIA
# ANALYSIS OF FLUORESCEIN, EOSINE, RHODAMINE WT, SULFORHODAMINE B, AND PYRANINE DYES IN WATER AND CHARCOAL SAMPLERS

**March 21, 2005**

**Thomas Aley, PHG 179**
**President**
**Ozark Underground Laboratory, Inc.**

# PROCEDURES

## Introduction

This document describes standard procedures and criteria currently in use at the Ozark Underground Laboratory as of the date shown on the title page. Some samples may be subjected to different procedures and criteria because of unique conditions; such non-standard procedures and criteria are identified in reports for those samples. Standard procedures and criteria change as knowledge and experience increases and as equipment is improved or up-graded. The Ozark Underground Laboratory maintains a summary of changes in standard procedures and criteria.

## Dye Nomenclature

Fluorescein is C.I. Acid yellow 73, Color Index Number 45350. Rhodamine WT is Acid Red 388; there is no assigned Color Index Number for this dye. Eosine (sometimes called eosin) is Acid Red 87, Color Index Number 45380. Sulforhodamine B is C.I. Acid Red 52, Color Index Number 45100. Pyranine is Solvent Green 7 (also called D&C Green 8), Color Index Number 59040.

## Description of the Samplers

The charcoal samplers are packets of fiberglass screening partially filled with approximately 4.25 grams of activated coconut charcoal. The charcoal used by the Ozark Underground Laboratory is Barnebey and Sutcliffe coconut shell carbon, 6 to 12 mesh, catalog type AC.

The most commonly used samplers are about 4 inches long by two inches wide. A cigar-shaped sampler is made for use in very small diameter wells (such as 1 inch diameter wells); this is a special order item and should be specifically requested when it is needed. All of the samplers are closed by heat sealing.

## Placement of Samplers

Samplers (also called charcoal packets) are placed so as to be exposed to as much water as possible. In springs and streams they are typically attached to a rock or other anchor in a riffle area. Attachment of the packets often uses plastic tie wires. In swifter water galvanized wire (such as electric fence wire) is often used. Other types of anchoring wire can be used. Electrical wire with plastic insulation is also good. Packets are attached so that they extend outward from the anchor rather than being flat against it. Two or more separately anchored packets are typically used for sampling springs and streams. The use of fewer packets is discouraged except when the spring or stream is so small that there is not appropriate space for placing multiple packets.

When pumping wells are being sampled, the samplers are placed in sample holders made of PVC pipe fittings. Brass hose fittings are installed at the end of the sample holders so that the sample holders can be installed on outside hose bibs and water which has run through the samplers can be directed to waste through a connected garden hose. The samplers can be unscrewed in the middle so that charcoal packets can be changed. The middle portions of the samplers consists of 1.5 inch diameter pipe and pipe fittings.

Charcoal packets can also be lowered into monitoring wells for sampling purposes. In general, if the well is screened, samplers should be placed approximately in the middle of the screened interval. Some sort of weight should be added near the charcoal packet to insure that it will not float. The weight should be of such a nature that it will not affect water quality. One common approach is to anchor the packets with a plastic cable tie to the top of a dedicated weighted disposable bailer. We typically run nylon cord from the top of the well to the charcoal packet and its weight. Nylon fishing line should not be used since it can be readily cut by a sharp projection in the well.

In some cases, especially with narrow wells and appreciable well depths, the weighted disposable bailers sink very slowly or may even fail to sink because of friction and floating of the anchoring cord. In such cases a stainless steel weight may be added to the top of the disposable bailer. We have had good success with two to three ounce segments of stainless steel pipe which have an outside diameter of 1.315 inches and an inside diameter of 1.049 inches; such pipe weighs about 1.7 pounds per linear foot. The weight of the stainless steel is approximately 497 pounds per cubic foot. The pipe segments can be attached over the anchoring cord at the top of the bailer. All weights should be cleaned prior to use; the cleaning approach should comply with decontamination procedures in use at the project site.

Placement of samplers requires adjustment to field conditions. The above placement comments are intended as guidance, not firm requirements.

**Rinsing of Charcoal Packets Prior to Sampling**

Charcoal packets routinely contain some fine powder that washes off rapidly when they are placed in water. Since such material could remain in monitoring wells, charcoal packets to be placed in such wells are triple rinsed with distilled, demineralized, or reagent water known to be free of tracer dyes. This rinsing is typically done by soaking. With this approach, approximately 25 packets are placed in one gallon of water and soaked for at least 10 minutes. The packets are then removed from the water and excess water is shaken off the packets. The packets are then placed in a second gallon of water and again soaked for at least 10 minutes. After this soaking they are removed from the water and excess water is shaken off the packets. The packets are then placed in a third gallon of water and the procedure is again repeated. Rinsed packets are placed in plastic bags and are placed at sampling stations within three days. Packets can also be rinsed in jets of water for about one minute; this requires more water and is typically difficult to do in the field with water known to be free of tracer dyes.

**Collection and Replacement of Samplers**

Samplers are routinely collected and replaced from each of the sampling stations. The frequency of sampler collection and replacement is determined by the nature of the study. Collections at one week intervals are common, but shorter or longer collection frequencies are acceptable and sometimes more appropriate. Shorter sampling frequencies are often used in the early phases of a study to better characterize time of travel. As an illustration, we often collect and change charcoal packets 1, 2, 4, and 7 days after dye injection. Subsequent sampling is then weekly.

Where convenient, the collected samplers should be briefly rinsed in the water being sampled. This is typically not necessary with well samples. The packets are shaken to remove excess water. Next, the packet (or packets) are placed in a plastic bag (Whirl-Pak bags are ideal). The bag is labeled on the outside with a permanent type felt marker pen. Use only pens that have black ink; colored inks may contain fluorescent dyes. The notations include station name or number and the date and time of collection. Labels are not inserted inside the sample bags.

For most projects the Ozark Underground Laboratory supplies the Whirl-Pak bags. Prior to use, 1% of the new bags are randomly selected. Each bag is soaked in the standard eluting solution and then analyzed for the presence of any of the tracer dyes being used.

Collected samplers are kept in the dark to minimize algal growth on the charcoal prior to analysis work. We prefer (and in some studies require) that samples be placed on "blue ice" or ice upon collection and that they be shipped refrigerated with "blue ice" by overnight express. Do not ship samplers packed in ice since this can create a potential for cross contamination when the ice melts. Our experience indicates that it is not essential for samplers to be maintained under refrigeration, yet maintaining them under refrigeration clearly minimizes some potential problems. A product known as "green ice" should not be used for maintaining the samples in a refrigerated condition since this product contains a dye which could contaminate samples if the "green ice" container were to break or leak.

New charcoal samplers are routinely placed when used charcoal packets are collected. The last set of samplers placed at a stream or spring is commonly not collected.

Water samples are often collected. They should be collected in either glass or plastic; the Ozark Underground Laboratory routinely uses 50 ml research grade polypropylene copolymer Perfector Scientific vials (Catalog Number 2650) for such water samples. The vials should be placed in the dark and refrigerated immediately after collection. They should be refrigerated until shipment. For most projects the Ozark Underground Laboratory supplies the vials. Prior to use, 1% of the new vials are randomly selected. Each vial is soaked in the standard eluting solution and then analyzed for the presence of any of the tracer dyes being used.

When water or charcoal samplers are collected for shipment to the Ozark Underground Laboratory they should be shipped promptly. We receive good overnight and second day air service from both UPS and Fed Ex; Airborne Service is excessively slow, and the Postal Service does not provide next day service to us.

Each shipment of charcoal samplers or water samples must be accompanied by a sample tracking sheet. These sheets (which bear the title "Samples for Fluorescence Analysis") are provided by the Ozark Underground Laboratory and summarize placement and collection data. These sheets can be augmented by a client's chain of custody forms or any other relevant documentation. Figure 1 is one of our blank sample forms.

**Receipt of Samplers**

Samplers shipped to the Ozark Underground Laboratory are refrigerated upon receipt. Prior to cleaning and analysis, samplers are assigned a laboratory identification number. All samples are logged in upon receipt.

It sometimes occurs that there are discrepancies between the chain-of-custody sheets and the actual samples received. When this occurs, a "Discrepancy Sheet" form is completed and sent to the shipper of the sample for resolution. A copy of this form is enclosed as Figure 2. The purpose of the form is to help resolve discrepancies, even when they may be minor.

**Cleaning of Samplers**

Samplers are cleaned by spraying them with jets of clean water. At the Laboratory we use unchlorinated water for the cleansing to minimize dye deterioration. Effective cleansing cannot generally be accomplished simply by washing in a conventional laboratory sink even if the sink is equipped with a spray unit.

The duration of packet washing depends upon the condition of the sampler. Very clean samplers may require less than a minute of washing; dirtier samplers may require several minutes of washing.

After washing, the packets are shaken to remove excess water. Next, the packets are cut open and the charcoal is emptied into a new disposable plastic beaker. The beaker has been pre-labeled with the laboratory identification number. The charcoal is now ready for elution. The emptied fiberglass screen packet is discarded. At stations where two or more charcoal packets are collected, one is selected for analysis and the other is frozen and retained until the end of the study. In some studies the analysis protocol stipulates that a fixed percentage (often 5%) of the samples should be duplicates; in these cases the second charcoal packet is separately analyzed. Note that these are duplicate samples, not replicate samples since each packet is, of necessity, placed in a somewhat different location and is therefore exposed to somewhat different conditions.

**Cleaning of Glassware**

Most of our work uses disposable plastic containers. A small amount of glassware is occasionally used for preparation of standards. It is dedicated to this use. In the event that any glassware does come in contact with tracer dyes it will be carefully cleaned before re-use. To do this cleaning, containers are rinsed several times in clean water. Glassware that may be contaminated with dyes is washed with detergent, and then again rinsed. Next, the glassware is soaked for one hour or more in a bleach and water solution. Upon removal from this soaking, the glassware is rinsed again and allowed to air dry.

**Figure 1. Sample Collection Data Sheet**

## OZARK UNDERGROUND LABORATORY, INC.

1572 Aley Lane Protem, MO 65733 (417) 785-4289 fax (417) 785-4290 email: oul@tri-lakes.net

**SAMPLE COLLECTION DATA SHEET for FLUORESCENCE ANALYSIS**

**Project:**______________________ **Week No:**________ **Samples Collected By:**______________________

**Samples Shipped By:**______________________ **Samples Received By:**______________________

**Date Samples Shipped:**___/___/___ **Date Samples Received:**___/___/___ **Time Samples Received:**____:____ **Return Cooler? Yes**________ **No**________

**Bill to:**______________________ **Send Results to:**______________________

**Analyze for: Fluorescein**_____ **Eosine**_____ **Rhodamine WT**_____ **Other**__________ **Ship cooler to:**______________________

| *OUL use only* | | *Please indicate stations where dye was visible in the field* *for field technician use - use black ink only* | | | | | | *OUL use only* |
|---|---|---|---|---|---|---|---|---|
| # CHAR REC'D | LAB NUMBER | STATION NUMBER 1-4 Numbers | STATION NAME | PLACED | | COLLECTED | | # WATER REC'D |
| | | | | DATE | TIME | DATE | TIME | |
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**COMMENTS:**______________________

**This sheet filled out by OUL staff? Yes**__________ **No**__________ **Charts for samples on this page proofed by OUL:**______________________

**Page** ______ **of** ______

**Figure 2. Discrepancy Sheet**

| OZARK UNDERGROUND LABORATORY, INC. | | | | | |
|---|---|---|---|---|---|
| DISCREPANCIES BETWEEN CHAIN-OF-CUSTODY SHEETS AND ACTUAL SAMPLES RECEIVED | | | | Page ______ of ______ | |
| Company & Project Name: | | | Date Rec'd by OUL: | | Wk # ____________ |
| Lab # | Sta # | Station Name | Date Pulled | Problem | Solution |
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**Elution of the Charcoal**

There are various eluting solutions that can be used for the recovery of tracer dyes. The solutions typically include an alcohol, some water, and a strong basic solution such as aqueous ammonia.

The standard elution solution now used at the Ozark Underground Laboratory is a mixture of 5% aqua ammonia and 95% isopropyl alcohol solution and sufficient potassium hydroxide flakes to saturate the solution. The isopropyl alcohol is 70% alcohol and 30% water. The aqua ammonia solution is 29% ammonia. The potassium hydroxide is added until a super-saturated layer is visible in the bottom of the container. This super-saturated layer is not used for elution. Preparation of eluting solutions uses dedicated glassware which is never used in contact with dyes or dye solutions.

The eluting solution we use will elute fluorescein, eosine, rhodamine WT, sulforhodamine B, and pyranine dyes. It is also suitable for separating fluorescein peaks from peaks of some naturally present materials found in some samplers.

Fifteen ml of the eluting solution is poured over the washed charcoal in a disposable sample beaker. The sample beaker is capped. The sample is allowed to stand for 60 minutes. After this time, the liquid is carefully poured off the charcoal into a new disposable beaker which has been appropriately labeled with the laboratory identification number. A few grains of charcoal may inadvertently pass into the second beaker; no attempt is made to remove these from the second sample beaker. After the pouring, a small amount of the elutant will remain in the initial sample beaker. After the transfer of the elutant to the second sample beaker, the contents of the first sample beaker (the eluted charcoal) are discarded.

**Analysis on the Shimadzu RF-5000U or RF-5301**

The Laboratory uses two Shimadzu spectrofluorophotometers. One is a model RF-5000U, and the other is a model RF-5301. Both of these instruments are capable of synchronous scanning. The RF-5301 is the primary instrument used; the RF-5000U is primarily used as a back-up instrument except for tracing studies which were begun using this instrument. The OUL also owns a Shimadzu RF-540 spectrofluorometer which is occasionally used for special purposes.

A sample of the elutant is withdrawn from the sample container using a disposable polyethylene pipette. Approximately 3 ml of the elutant is then placed in disposable rectangular polystyrene cuvette. The cuvette has a maximum capacity of 3.5 ml. The cuvette is designed for fluorometric analysis; all four sides and the bottom are clear. The spectral range of the cuvettes is 340 to 800 nm. The pipettes and cuvettes are discarded after one use.

The cuvette is then placed in the RF-5000U or the RF-5301. Both instruments are controlled by a programmable computer. Each instrument is capable of conducting substantial data analysis.

Our instruments are operated and maintained in accordance with the manufacturer's recommendations. On-site installation of the instruments and a training session on the use of spectrofluorophotometers was provided by Delta Instrument Company.

Our typical analysis of an elutant sample where fluorescein, eosine, rhodamine WT, or sulforhodamine B dyes may be present includes synchronous scanning of excitation and emission spectra with a 17 nm separation between excitation and emission wavelengths. For these dyes, the excitation scan is from 443 to 613 nm; the emission scan is from 460 to 630 nm. The emission fluorescence from the scan is plotted on a graph. The typical scan speed setting is "very fast" on the RF-5000U; it is "fast" on the RF-5301. The typical sensitivity setting used on both instruments is "high."

Our typical analysis of an elutant sample where pyranine dye may be present includes a synchronous scanning of excitation and emission spectra with a 35 nm separation between excitation and emission wavelengths. For this dye, the excitation scan is from 360 to 600 nm; the emission scan is from 395 to 635 nm. The emission fluorescence from the scan is plotted on a graph. The typical scan speed setting is "very fast" on the RF-5000U; it is "fast" on the RF-5301. The typical sensitivity setting on both instruments is "high."

Excitation and emission slit width settings vary between the two instruments. The widths vary with the dyes for which we are sampling and for the matrix in which the dyes may be present. Excitation and emission slit width settings are summarized in Table 1.

**Table 1. Excitation and emission slit width settings routinely used for dye analysis.** Units are nanometers (nm)

| **Parameter** | **RF5000U** | **RF5301** |
|---|---|---|
| Excitation slit for Eos, Fl, RWT, and SRB in elutant | 5 | 3 |
| Emission slit for Eos, Fl, RWT, and SRB in elutant | 3 | 1.5 |
| Excitation slit for Eos, Fl, RWT, and SRB in water | 5 | 5 |
| Emission slit for Eos, Fl, RWT, and SRB in water | 10 | 3 |
| Excitation slit for Pyranine in elutant | 5 | 5 |
| Emission slit for Pyranine in elutant | 3 | 3 |
| Excitation slit for Pyranine in pH adjusted water | 5 | 5 |
| Emission slit for Pyranine in pH adjusted water | 3 | 3 |

Eos = Eosine. Fl = Fluorescein. RWT = Rhodamine WT. SRB = Sulforhodamine B.

The instrument produces a plot of the synchronous scan for each sample; the plot shows emission fluorescence only. The synchronous scans are subjected to computer peak picks; peaks are picked to the nearest 0.1 nm. All samples run on the RF-5000U and RF-5301 are stored on disk and printed on normal typing paper with a laser printer; sample information is printed on the chart.

All samples analyzed are recorded in a bound journal.

**Quantification**

We calculate the magnitude of fluorescence peaks for fluorescein, eosine, rhodamine WT, sulforhodamine B, and pyranine dyes. Dye quantities are expressed in microgram per liter (parts per billion; ppb). On the RF-5000U and RF-5301 the dye concentrations are calculated by separating fluorescence peaks due to dyes from background fluorescence on the charts, and then calculating the area within the fluorescence peak. This area is proportional to areas obtained from standard solutions.

Where there are multiple fluorescence peaks it is sometimes necessary to calculate dye concentrations based upon the height of the fluorescence peak rather that the area. The heights of the peaks are also proportional to dye concentrations.

We run dye concentration standards each day the machine is used. Ten separate standards are used; the standard or standards appropriate for the analysis work being conducted are selected. All standards are based upon the as-sold weights of the dyes. The standards are as follows:

1) 10 ppb fluorescein and 100 ppb rhodamine WT in well water from the Jefferson City-Cotter Formation
2) 10 ppb eosine in well water from the Jefferson City-Cotter Formation
3) 100 ppb sulforhodamine B in well water from the Jefferson City-Cotter Formation.
4) 10 ppb pyranine in well water from the Jefferson City-Cotter Formation. A sample of the standard is placed for at least two hours in a high ammonia atmosphere to adjust the pH to a value of 9.5 or greater.
5) 10 ppb fluorescein and 100 ppb rhodamine WT in elutant.
6) 10 ppb eosine in elutant.
7) 100 ppb sulforhodamine B in elutant.
8) 10 ppb pyranine in elutant.

**Preparation of Standards**

Dye standards are prepared as follows:

Step 1. A small sample of the as-sold dye is placed in a pre-weighed sample vial and the vial is again weighed to determine the weight of the dye. We attempt to use a sample weighing between 1 and 5 grams. This sample is then diluted with well water to make a 1% dye solution by weight (based upon the as-sold weight of the dye). The resulting dye solution is allowed to sit for at least four hours to insure that all dye is fully dissolved.

Step 2. One part of each dye solution from Step 1 is placed in a mixing container with 99 parts of well water. Separate mixtures are made for fluorescein, rhodamine WT, eosine, sulforhodamine B, and pyranine. The resulting solutions contain 100 mg/l dye (100 parts per million dye). The typical prepared volume of this mixture is appropriate for the sample bottles being used; we commonly prepare about 50 ml. of the Step 2 solutions. The dye solution from Step 1 that is used in making the Step 2 solution is withdrawn with a digital Finnpipette which is capable of measuring volumes between 0.200 and 1.000 ml at intervals of 0.005 ml. The calibration certificate with this instrument indicates that the accuracy (in percent) is as follows:

At 0.200 ml, 0.90%

At 0.300 ml, 0.28%

At 1.000 ml, 0.30%

The Step 2 solution is called the long term standard. Ozark Underground Laboratory experience indicates that Step 2 solutions, if kept refrigerated, will not deteriorate appreciably over periods of less than a year. Furthermore, these Step 2 solutions may last substantially longer than one year.

Step 3. A series of intermediate-term dye solutions are made. Approximately 45 ml. of each intermediate-term dye solution is made. All volume measurements of less than 5 ml are made with a digital Finnpipette. (see description in Step 2). All other volume measurements are made with Rheinland Kohn Geprufte Sicherheit 50 ml. capacity pump dispenser which will pump within plus or minus 1% of the set value. The following solutions are made; all concentrations are based on the as-sold weight of the dyes:

1) A solution containing 1 ppm fluorescein dye and 10 ppm rhodamine WT dye.

2) A solution containing 1 ppm eosine.

3) A solution containing 10 ppm sulforhodamine B dye.

4) A solution containing 1 ppm pyranine.

Step 4. A series of eight short-term dye standards are made from solutions in Step 3. These standards were identified earlier in this section. In the experience of the Ozark Underground Laboratory these standards have a useful shelf life in excess of one week. However, in practice, they are kept under refrigeration and new standards are made weekly.

**Dilution of Samples**

Samples with peaks that have arbitrary fluorescence unit values of 500 or more are diluted a hundred fold to ensure accurate quantification.

Some water samples have high turbidity or color which interferes with accurate detection and measurement of dye concentrations. It is often possible to dilute these samples and then measure the dye concentration in the diluted sample.

The typical dilution is 100 fold. One part of the test sample is combined with 99 parts of water (if the test sample is water) or with 99 parts of the standard elutant (if the test sample is elutant). Typically, 0.300 ml of the test solution is combined with 29.700 ml of water (or elutant as appropriate) to yield a new test solution. All volume measurements of less than 5 ml are made with a digital Finnpipette. which is capable of measuring volumes between 0.200 and 1.000 ml at intervals of 0.005 ml. The calibration certificate with this instrument indicates that the accuracy (in percent) is as follows:

At 0.200 ml, 0.90%

At 0.300 ml, 0.28%

At 1.000 ml, 0.30%

All other volume measurements are made with Rheinland Kohn Geprufte Sicherheit 50 ml. capacity pump dispenser which will pump within plus or minus 1% of the set value.

**Quality Control**

Laboratory blanks are run for every sample where the last two digits of the laboratory numbers are 00, 20, 40, 60, or 80. A charcoal packet is placed in a pumping well sampler and at least 25 gallons of unchlorinated water is passed through the sampler at a rate of about 2.5 gallons per minute. The sampler is then subjected to the same analytical protocol as all other samplers.

System functioning tests of the analytical instruments are conducted in accordance with the manufacturer's recommendations.

All materials used in sampling and analysis work are routinely analyzed for the presence of any compounds that might create fluorescence peaks in or near the acceptable wavelength ranges for any of the tracer dyes. This testing typically includes approximately 1% of materials used.

**Reports**

Reports are provided in accordance with the needs of the client. At a minimum we provide copies of the analysis graphs and a listing of stations and samples where dye was detected. The reports indicate dye concentrations.

Work at the Ozark Underground Laboratory is directed by Mr. Thomas Aley. Mr. Aley has 40 years of professional experience in hydrology and hydrogeology. He is certified as a Professional Hydrogeologist (Certificate #179) by the American Institute of Hydrology. Mr. Aley has 35 years of professional experience in groundwater tracing with fluorescent tracing agents.

## CRITERIA FOR DETERMINATION OF POSITIVE DYE RECOVERIES

### Normal Emission Ranges and Detection Limits

The OUL has established normal emission fluorescence wavelength ranges for each of the five dyes. The normal acceptable range equals mean values plus and minus two standard deviations. These values are derived from actual groundwater tracing studies conducted by the OUL.

The detection limits are based upon concentrations of dye necessary to produce emission fluorescence peaks where the signal to noise ratio is 3. The detection limits are realistic for most field studies since they are based upon results from actual field samples rather than being based upon values from spiked samples in a matrix of reagent water or the elutants from unused activated carbon samplers. In some cases detection limits may be smaller than reported if the water being sampled has very little fluorescent material in it. In some cases detection limits may be greater than reported; this most commonly occurs if the sample is turbid due to suspended material or a coloring agent such as tannic compounds. Turbid samples are typically centrifuged or, if this is not effective, diluted prior to analysis.

Table 2 provides normal emission wavelength ranges and detection limits for the five dyes when analyzed on the OUL's RF-5000U spectrofluorophotometer. Table 3 provides similar data for the OUL's RF-5301. As indicated earlier in Table 1, the analytical protocols used on the two instruments are somewhat different, especially in regard to the widths of excitation and emission slit settings.

**Table 2. RF-5000U Spectrofluorophotometer. Normal emission wavelength ranges and detection limits for fluorescein, eosine, rhodamine WT, sulforhodamine B, and pyranine dyes in water and elutant samples.** Detection limits are based upon the as-sold weight of the dye mixtures normally used by the OUL.

| Dye and Matrix | Normal Acceptable Emission Wavelength Range (nm) | Detection Limit (ppb) |
|---|---|---|
| Eosine in Elutant | 533.0 to 539.6 | 0.035 |
| Eosine in Water | 529.6 to 538.4 | 0.008 |
| Fluorescein in Elutant | 510.7 to 515.0 | 0.010 |
| Fluorescein in Water | 505.6 to 510.5 | 0.0005 |
| Pyranine in Elutant | 500.4 to 504.6 | 0.055 |
| Pyranine in Water* | 501.2 to 505.2 | 0.030 |
| Rhodamine WT in Elutant | 561.7 to 568.9 | 0.275 |
| Rhodamine WT in Water | 569.4 to 574.8 | 0.050 |
| Sulforhodamine B in Elutant | 567.5 to 577.5 | 0.150 |
| Sulforhodamine B in Water | 576.2 to 579.7 | 0.040 |

* pH adjusted water with pH of 9.5 or greater.

Note: The protocols for the analysis of pyranine dye are substantially different than those for the other dyes. As a result, there is less potential interference between pyranine and fluorescein than might otherwise be indicated by the emission wavelength values shown in the table.

**Table 3. RF-5301 Spectrofluorophotometer. Normal emission wavelength ranges and detection limits for fluorescein, eosine, rhodamine WT, sulforhodamine B, and pyranine dyes in water and elutant samples.** Detection limits are based upon the as-sold weight of the dye mixtures normally used by the OUL.

| Dye and Matrix | Normal Acceptable Emission Wavelength Range (nm) | Detection Limit (ppb) |
|---|---|---|
| Eosine in Elutant | 538.1 to 543.9 | 0.050 |
| Eosine in Water | 533.4 to 537.9 | 0.015 |
| Fluorescein in Elutant | 514.0 to 518.1 | 0.025 |
| Fluorescein in Water | 508.0 to 511.7 | 0.002 |
| Pyranine in Elutant | 502.1 to 508.1 | 0.015 |
| Pyranine in Water* | 504.1 to 510.1 | 0.010 |
| Rhodamine WT in Elutant | 565.4 to 572.0 | 0.170 |
| Rhodamine WT in Water | 572.7 to 578.0 | 0.015 |
| Sulforhodamine B in Elutant | 572.8 to 579.6 | 0.080 |
| Sulforhodamine B in Water | 580.1 to 583.7 | 0.008 |

* pH adjusted water with pH of 9.5 or greater.

Note: The protocols for the analysis of pyranine dye are substantially different than those for the other dyes. As a result, there is less potential interference between pyranine and fluorescein than might otherwise be indicated by the emission wavelength values shown in the table.

**Criteria for Determining Positive Dye Recoveries**

The following sections identify normal criteria used by the OUL for determining positive dye recoveries. Beginning January 1, 2001, the primary analytical instrument in use at the OUL was the RF-5301; the RF-5000U was the principal backup instrument. Studies which were in progress prior to January 1, 2001 continued to have samples analyzed on the RF-5000U.

Except for pyranine dye, the analytical protocol used for the RF-5301 provides for the use of narrower excitation and/or emission slit settings than the RF-5000U protocol. This enhances our ability to discriminate between dyes and other fluorescent compounds. The protocol which is possible with the RF-5301 (as contrasted with the RF-5000U) also provides for a better balance in the sizes of the fluorescence peaks associated with an equal concentration of all of the dyes.

**Normal Criteria Used by the Ozark Underground Laboratory for Determining Positive <u>Eosine</u> Dye Recoveries <u>in Elutants</u> from Charcoal Samplers.**

There is generally little or no detectable fluorescence background in the general range of eosine dye encountered in most groundwater tracing studies. The following four criteria are used to identify fluorescence peaks which are deemed to be eosine dye.

**Criterion 1.** There must be at least one fluorescence peak at the station in question in the range of 538.1 to 543.9 nm for samples analyzed by the RF-5301. The range must be 533.0 to 539.6 nm for samples analyzed by the RF-5000U.

**Criterion 2.** The dye concentration associated with the fluorescence peak must be at least 3 times the detection limit. For the RF-5301, the eosine detection limit in elutant samples is 0.050 ppb, thus this dye concentration limit equals 0.150 ppb. For the RF-5000U the eosine detection limit in elutant samples is 0.035 ppb, thus this dye concentration limit equals 0.105 ppb.

**Criterion 3.** The dye concentration must be at least 10 times greater than any other concentration reflective of background at the sampling station in question.

**Criterion 4.** The shape of the fluorescence peak must be typical of eosine. Much background fluorescence yields low, broad, and asymmetrical fluorescence peaks rather than the more narrow and symmetrical fluorescence peaks typical of eosine. In addition, there must be no other factors which suggest that the fluorescence peak may not be eosine dye from our groundwater tracing work.

**Normal Criteria Used by the Ozark Underground Laboratory for Determining Positive <u>Eosine</u> Dye Recoveries <u>in Water</u> Samples.**

There is generally little or no detectable fluorescence background in the general range of eosine dye encountered in most groundwater tracing studies. The following three criteria are used to identify fluorescence peaks which are deemed to be eosine dye.

**Criterion 1.** The associated charcoal samplers for the station should also contain eosine dye in accordance with the criteria listed above. These criteria may be waived if no charcoal sampler exists.

**Criterion 2.** There must be no factors which suggest that the fluorescence peak may not be eosine dye from our groundwater tracing work. For samples analyzed on the RF-5301, the fluorescence peak should generally be in the range of 533.4 to 537.9 nm. For samples analyzed on the RF-5000U, the fluorescence peak should generally be in the range of 529.6 to 538.4 nm.

**Criterion 3.** The dye concentration associated with the fluorescence peak must be at least three times the detection limit. Our eosine detection limit in water samples analyzed on the RF-5301 is 0.015 ppb, thus this dye concentration limit equals 0.045 ppb. For samples analyzed on the 5000U the detection limit is 0.008 ppb, thus this dye concentration limit equals 0.024 ppb.

**Normal Criteria Used by the Ozark Underground Laboratory for Determining Positive <u>Fluorescein</u> Dye Recoveries <u>in Elutants</u> from Charcoal Samplers.**

There is often some fluorescence background in the range of fluorescein dye present at some of the stations used in groundwater tracing studies. We routinely conduct background sampling prior to the introduction of any tracer dyes to characterize this background fluorescence and to identify the existence of any tracer dyes which may be present in the area. The fact that a fluorescence peak is identified in our analytical results is <u>not</u> proof that it is fluorescein dye or that it is fluorescein dye from the trace of concern. The following 4 criteria are used to identify fluorescence peaks which are deemed to be fluorescein dye recoveries from our tracing work.

**Criterion 1.** There must be at least one fluorescence peak at the station in question in the range of 514.0 to 518.1 nm for samples analyzed by the RF-5301. The range must be 510.7 to 515.0 for samples analyzed by the RF-5000U.

**Criterion 2.** The dye concentration associated with the fluorescence peak must be at least 3 times the detection limit. For the RF-5301, the fluorescein detection limit in elutant samples is 0.025 ppb, thus this dye concentration limit equals 0.075 ppb. For the RF-5000U, the fluorescein detection limit in elutant samples is 0.010 ppb, thus this dye concentration limit equals 0.030 ppb.

**Criterion 3.** The dye concentration must be at least 10 times greater than any other concentration reflective of background at the sampling station in question.

**Criterion 4.** The shape of the fluorescence peak must be typical of fluorescein. Much background fluorescence yields low, broad, and asymmetrical fluorescence peaks rather than the more narrow and symmetrical fluorescence peaks typical of fluorescein. In addition, there must be no other factors which suggest that the fluorescence peak may not be fluorescein dye from our groundwater tracing work.

**Normal Criteria Used by the Ozark Underground Laboratory for Determining Positive Fluorescein Dye Recoveries in Water Samples.**

There is commonly some fluorescence background in the general range of fluorescein dye at some sampling stations used in groundwater tracing studies. The following criteria are used to identify fluorescence peaks which are deemed to be fluorescein dye in water.

**Criterion 1.** The associated charcoal samplers for the station should also contain fluorescein dye in accordance with the criteria listed above. These criteria may be waived if no charcoal sampler exists.

**Criterion 2.** There must be no factors which suggest that the fluorescence peak may not be fluorescein dye from our groundwater tracing work. For samples analyzed on the RF-5301, the fluorescence peak should generally be in the range of 508.0 to 511.7 nm. For samples analyzed on the RF-5000U, the fluorescence peak should generally be in the range of 505.6 to 510.5 nm.

**Criterion 3.** The dye concentration associated with the fluorescence peak must be at least three times the detection limit. Our fluorescein detection limit in water samples analyzed on the RF-5301 is 0.002 ppb, thus this dye concentration limit equals 0.006 ppb. For the RF-5000U the detection limit is 0.0005 ppb, thus this dye concentration limit equals 0.0015 ppb.

**Normal Criteria Used by the Ozark Underground Laboratory for Determining Positive Rhodamine WT Dye Recoveries in Elutants from Charcoal Samplers.**

There is generally little or no detectable fluorescence background in the general range of Rhodamine WT dye encountered in most groundwater tracing studies. The following four criteria are used to identify fluorescence peaks which are deemed to be Rhodamine WT.

**Criterion 1.** For samples analyzed on the RF-5301, there must be at least one fluorescence peak at the station in question in the range of 565.4 to 572.0 nm. For samples analyzed on the RF-5000U, there must be at least one fluorescence peak at the station in question in the range of 561.7 to 568.9 nm.

**Criterion 2.** The dye concentration associated with the Rhodamine WT peak must be at least 3 times the detection limit. For the RF-5301, the detection limit in elutant samples is 0.170 ppb, thus this dye concentration limit equals 0.510 ppb. For the RF-5000U, the detection limit in elutant samples is 0.275 ppb, thus this dye concentration limit equals 0.825 ppb.

**Criterion 3.** The dye concentration must be at least 10 times greater than any other concentration reflective of background at the sampling station in question.

**Criterion 4.** The shape of the fluorescence peak must be typical of Rhodamine WT. In addition, there must be no other factors which suggest that the fluorescence peak may not be dye from the groundwater tracing work under investigation.

**Normal Criteria Used by the Ozark Underground Laboratory for Determining Positive Rhodamine WT Dye Recoveries in Water Samples.**

The following criteria are used to identify fluorescence peaks which are deemed to be Rhodamine WT dye in water.

**Criterion 1.** The associated charcoal samplers for the station should also contain Rhodamine WT dye in accordance with the criteria listed above. These criteria may be waived if no charcoal sampler exists.

**Criterion 2.** There must be no factors which suggest that the fluorescence peak may not be Rhodamine WT dye from the tracing work under investigation. For samples analyzed with the RF-5301, the fluorescence peak should generally be in the range of 572.7 to 578.0 nm. For samples analyzed with the RF-5000U, the fluorescence peak should generally be in the range of 569.4 to 574.8 nm.

**Criterion 3.** The dye concentration associated with the fluorescence peak must be at least three times the detection limit. Our Rhodamine WT detection limit in water samples analyzed on the RF-5301 is 0.015 ppb, thus this dye concentration limit is 0.045 ppb. For samples analyzed on the RF-5000U the detection limit is 0.050 ppb, thus this dye concentration limit equals 0.150 ppb.

**Normal Criteria Used by the Ozark Underground Laboratory for Determining Positive <u>Sulforhodamine B</u> Dye Recoveries <u>in Elutants</u> from Charcoal Samplers.**

There is generally little or no detectable fluorescence background in the general range of sulforhodamine B dye encountered in most groundwater tracing studies. The following four criteria are used to identify fluorescence peaks which are deemed to be sulforhodamine B.

**Criterion 1.** For samples analyzed on the RF-5000U, there must be at least one fluorescence peak at the station in question in the range of 567.5 to 577.5 nm. The acceptable range for samples analyzed on the RF-5301 is 572.8 to 579.6 nm.

**Criterion 2.** The dye concentration associated with the sulforhodamine B peak must be at least 3 times the detection limit. For the RF-5000U, the detection limit in elutant samples is 0.150 ppb, thus this dye concentration limit equals 0.450 ppb. For the RF-5301, the detection limit in elutant samples is 0.080 ppb, thus this dye concentration limit equals 0.240 ppb.

**Criterion 3.** The dye concentration must be at least 10 times greater than any other concentration reflective of background at the sampling station in question.

**Criterion 4.** The shape of the fluorescence peak must be typical of sulforhodamine B. In addition, there must be no other factors which suggest that the fluorescence peak may not be dye from the groundwater tracing work under investigation.

**Normal Criteria Used by the Ozark Underground Laboratory for Determining Positive Sulforhodamine B dye Recoveries in Water Samples.**

The following criteria are used to identify fluorescence peaks which are deemed to be sulforhodamine B dye in water.

**Criterion 1.** The associated charcoal samplers for the station should also contain sulforhodamine B dye in accordance with the criteria listed earlier. These criteria may be waived if no charcoal sampler exists.

**Criterion 2.** There must be no factors which suggest that the fluorescence peak may not be sulforhodamine B dye from the tracing work under investigation. For samples analyzed with the RF-5000U, the fluorescence peak should generally be in the range of 576.2 to 579.7 nm. For samples analyzed with the RF-5301, the fluorescence peak should generally be in the range of 580.1 to 583.7 nm.

**Criterion 3.** The dye concentration associated with the fluorescence peak must be at least three times the detection limit. For samples analyzed on the RF-5301 the detection limit in water is 0.008 ppb, thus this dye concentration limit equals 0.024 ppb. For samples analyzed on the RF-5000U the detection limit in water samples is 0.040 ppb, thus this dye concentration limit equals 0.120 ppb.

**Normal Criteria Used by the Ozark Underground Laboratory for Determining Positive Pyranine Dye Recoveries in Elutants from Charcoal Samplers.**

It must be remembered that the analysis protocol for pyranine dye is different than the protocol for the other four dyes discussed in this document. If the other dyes are present in a sample analyzed for pyranine dye their emission fluorescence peaks (if any) will be appreciably different than the values presented above. Because of this, there is very little analytical interference between fluorescein and pyranine dyes when both are present in a sample.

There is often some detectable fluorescence background encountered in the general range of pyranine dye in groundwater tracing studies. The following four criteria are used to identify fluorescence peaks which are deemed to be pyranine.

**Criterion 1.** For samples analyzed on the RF-5000U, there must be at least one fluorescence peak at the station in question in the range of 500.4 to 504.6 nm. The acceptable range for samples analyzed on the RF-5301 is 502.1 to 508.1 nm.

**Criterion 2.** The dye concentration associated with the pyranine dye peak must be at least 3 times the detection limit. For the RF-5000U, the detection limit in elutant samples is 0.055 ppb, thus this dye concentration limit equals 0.165 ppb. For the RF-5301, the detection limit in elutant samples is 0.015 ppb, thus this dye concentration limit equals 0.045 ppb.

**Criterion 3.** The dye concentration must be at least 10 times greater than any other concentration reflective of background at the sampling station in question.

**Criterion 4.** The shape of the fluorescence peak must be typical of pyranine dye. In addition, there must be no other factors which suggest that the fluorescence peak may not be dye from the groundwater tracing work under investigation.

**Normal Criteria Used by the Ozark Underground Laboratory for Determining Positive Pyranine Dye Recoveries in Water Samples.**

It must be remembered that the analysis protocol for pyranine dye is different than the protocol for the other four dyes discussed in this document. If the other dyes are present in a sample analyzed for pyranine dye their emission fluorescence peaks (if any) will be appreciably different than the values presented above. Because of this, there is very little analytical interference between fluorescein and pyranine dyes when both are present in a sample.

The fluorescence of pyranine decreases below a pH of about 9.5. Prior to analysis water samples are placed in a high ammonia atmosphere for at least two hours. A pyranine dye in water standard is placed in the same atmosphere as the samples. Prior to analysis samples are tested to insure that their pH is 9.5 or greater. If pyranine dye concentrations in a sample are so great as to require dilution for quantification of the dye concentration the diluting water used is OUL reagent water which has been pH adjusted in a high ammonia atmosphere.

The following criteria are used to identify fluorescence peaks which are deemed to be pyranine dye in water.

**Criterion 1.** The associated charcoal samplers for the station should also contain pyranine dye in accordance with the criteria listed earlier. These criteria may be waived if no charcoal sampler exists.

**Criterion 2.** There must be no factors which suggest that the fluorescence peak may not be pyranine dye from the tracing work under investigation. For samples analyzed with the RF-5000U, the fluorescence peak should generally be in the range of 501.2 to 505.2 nm. For samples analyzed with the RF-5301, the fluorescence peak should generally be in the range of 504.1 to 510.1 nm.

**Criterion 3.** The dye concentration associated with the fluorescence peak must be at least three times the detection limit. For samples analyzed on the RF-5301 the detection limit in water is 0.010 ppb, thus this dye concentration limit equals 0.030 ppb. For samples analyzed on the RF-5000U the detection limit in water samples is 0.030 ppb, thus this dye concentration limit equals 0.090 ppb.

# APPENDIX Q

FRACTURE SET DATABASE

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-30 | 1 | 26.3 | 46.4 | less-open | 6 | 105 | 92 | 2 | NSR[10] | NSR | NSR | NSR | TNP[11] | TNP | NA | -- | -- | -- | -- | -- | -- |
| MW-30 | 2 | 26.6 | 46.1 | less-open | 67 | 312 | 299 | 209 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.3 | -- | 5.6 | -- | -- | -- | -- |
| MW-30 | 3 | 28.1 | 44.6 | less-open | 18 | 99 | 86 | 356 | NSR | NSR | NSR | NSR | TNP | TNP | 1.5 | -- | -- | -- | -- | -- | -- |
| MW-30 | 4 | 28.5 | 44.2 | less-open | 32 | 1 | 348 | 258 | NSR | NSR | NSR | NSR | TNP | TNP | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-30 | 5 | 29.1 | 43.6 | less-open | 67 | 310 | 297 | 207 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.6 | -- | 2.5 | -- | -- | -- | -- |
| MW-30 | 6 | 29.3 | 43.4 | less-open | 39 | 190 | 177 | 87 | 5 | S | 166-200 | 34 | TNP | TNP | 0.2 | -- | -- | -- | -- | 8.3 | -- |
| MW-30 | 7 | 29.6 | 43.1 | less-open | 45 | 166 | 153 | 63 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.3 | 8.6 | -- | -- | -- | -- | -- |
| MW-30 | 8 | 30.2 | 42.5 | less-open | 37 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | TNP | TNP | 0.6 | -- | -- | 9.2 | -- | -- | -- |
| MW-30 | 9 | 31.2 | 41.5 | less-open | 68 | 210 | 197 | 107 | 5 | S | 166-200 | 34 | TNP | TNP | 1.0 | -- | -- | -- | -- | 1.9 | -- |
| MW-30 | 10 | 32.1 | 40.6 | less-open | 61 | 104 | 91 | 1 | 3 | E | 70-115 | 45 | TNP | TNP | 0.9 | -- | -- | 1.9 | -- | -- | -- |
| MW-30 | 11 | 32.7 | 40.0 | less-open | 62 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | TNP | TNP | 0.7 | -- | -- | 0.7 | -- | -- | -- |
| MW-30 | 12 | 33.1 | 39.6 | less-open | 52 | 165 | 152 | 62 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.4 | 3.5 | -- | -- | -- | -- | -- |
| MW-30 | 13 | 33.8 | 38.9 | less-open | 51 | 131 | 118 | 28 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.8 | 0.8 | -- | -- | -- | -- | -- |
| MW-30 | 14 | 33.9 | 38.8 | less-open | 67 | 319 | 306 | 216 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.1 | -- | 4.9 | -- | -- | -- | -- |
| MW-30 | 15 | 34.1 | 38.6 | less-open | 51 | 122 | 109 | 19 | 3 | E | 70-115 | 45 | TNP | TNP | 0.2 | -- | -- | 1.4 | -- | -- | -- |
| MW-30 | 16 | 34.7 | 38.0 | less-open | 58 | 150 | 137 | 47 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.5 | 0.8 | -- | -- | -- | -- | -- |
| MW-30 | 17 | 35.0 | 37.7 | less-open | 45 | 131 | 118 | 28 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-30 | 18 | 35.9 | 36.8 | less-open | 58 | 156 | 143 | 53 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.9 | 0.9 | -- | -- | -- | -- | -- |
| MW-30 | 19 | 36.3 | 36.4 | less-open | 59 | 301 | 288 | 198 | 4 | W | 245-290 | 45 | TNP | TNP | 0.4 | -- | -- | -- | 15.3 | -- | -- |
| MW-30 | 20 | 36.6 | 36.1 | less-open | 67 | 313 | 300 | 210 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.4 | -- | 2.7 | -- | -- | -- | -- |
| MW-30 | 21 | 36.9 | 35.8 | less-open | 61 | 159 | 146 | 56 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.3 | 1.0 | -- | -- | -- | -- | -- |
| MW-30 | 22 | 37.8 | 34.9 | less-open | 57 | 330 | 317 | 227 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.8 | -- | 1.1 | -- | -- | -- | -- |
| MW-30 | 23 | 38.4 | 34.3 | less-open | 42 | 175 | 162 | 72 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.6 | 1.5 | -- | -- | -- | -- | -- |
| MW-30 | 24 | 38.6 | 34.1 | less-open | 60 | 335 | 322 | 232 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.2 | -- | 0.8 | -- | -- | -- | -- |
| MW-30 | 25 | 39.8 | 32.9 | less-open | 45 | 110 | 97 | 7 | 3 | E | 70-115 | 45 | TNP | TNP | 1.2 | -- | -- | 5.6 | -- | -- | -- |
| MW-30 | 26 | 40.4 | 32.3 | less-open | 40 | 121 | 108 | 18 | 3 | E | 70-115 | 45 | TNP | TNP | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-30 | 27 | 40.4 | 32.3 | less-open | 32 | 137 | 124 | 34 | NSR | NSR | NSR | NSR | TNP | TNP | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-30 | 28 | 40.7 | 32.0 | less-open | 57 | 340 | 327 | 237 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.3 | -- | 2.1 | -- | -- | -- | -- |
| MW-30 | 29 | 40.9 | 31.8 | less-open | 38 | 103 | 90 | 360 | 3 | E | 70-115 | 45 | TNP | TNP | 0.2 | -- | -- | 0.5 | -- | -- | -- |
| MW-30 | 30 | 41.6 | 31.1 | less-open | 13 | 241 | 228 | 138 | NSR | NSR | NSR | NSR | TNP | TNP | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-30 | 31 | 42.5 | 30.2 | less-open | 32 | 223 | 210 | 120 | NSR | NSR | NSR | NSR | TNP | TNP | 0.9 | -- | -- | -- | -- | -- | -- |
| MW-30 | 32 | 43.2 | 29.5 | less-open | 57 | 167 | 154 | 64 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.7 | 4.8 | -- | -- | -- | -- | -- |
| MW-30 | 33 | 43.7 | 29.0 | less-open | 71 | 31 | 18 | 288 | 6 | N | 336-21 | 45 | TNP | TNP | 0.6 | -- | -- | -- | -- | -- | 22.7 |
| MW-30 | 34 | 45.0 | 27.7 | less-open | 61 | 125 | 112 | 22 | 3 | E | 70-115 | 45 | TNP | TNP | 1.3 | -- | -- | 4.2 | -- | -- | -- |
| MW-30 | 35 | 46.2 | 26.5 | less-open | 54 | 163 | 150 | 60 | 1 | SE | 116-165 | 49 | TNP | TNP | 1.2 | 3.1 | -- | -- | -- | -- | -- |
| MW-30 | 36 | 46.6 | 26.1 | less-open | 50 | 10 | 357 | 267 | 6 | N | 336-21 | 45 | TNP | TNP | 0.3 | -- | -- | -- | -- | -- | 2.8 |
| MW-30 | 37 | 46.9 | 25.8 | less-open | 52 | 278 | 265 | 175 | 4 | W | 245-290 | 45 | TNP | TNP | 0.3 | -- | -- | -- | 10.6 | -- | -- |
| MW-30 | 38 | 47.1 | 25.6 | less-open | 57 | 147 | 134 | 44 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.2 | 0.9 | -- | -- | -- | -- | -- |
| MW-30 | 39 | 48.1 | 24.6 | less-open | 41 | 24 | 11 | 281 | 6 | N | 336-21 | 45 | TNP | TNP | 1.0 | -- | -- | -- | -- | -- | 1.6 |
| MW-30 | 40 | 49.5 | 23.2 | less-open | 45 | 180 | 167 | 77 | 5 | S | 166-200 | 34 | TNP | TNP | 1.4 | -- | -- | -- | -- | 18.3 | -- |
| MW-30 | 41 | 49.9 | 22.8 | less-open | 48 | 196 | 183 | 93 | 5 | S | 166-200 | 34 | TNP | TNP | 0.4 | -- | -- | -- | -- | 0.4 | -- |
| MW-30 | 42 | 50.1 | 22.6 | less-open | 73 | 85 | 72 | 342 | 3 | E | 70-115 | 45 | TNP | TNP | 0.2 | -- | -- | 5.1 | -- | -- | -- |
| MW-30 | 43 | 50.2 | 22.5 | less-open | 41 | 9 | 356 | 266 | 6 | N | 336-21 | 45 | TNP | TNP | 0.1 | -- | -- | -- | -- | -- | 2.0 |
| MW-30 | 44 | 50.2 | 22.5 | less-open | 49 | 163 | 150 | 60 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.0 | 3.0 | -- | -- | -- | -- | -- |
| MW-30 | 45 | 50.4 | 22.3 | less-open | 46 | 152 | 139 | 49 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-30 | 46 | 50.5 | 22.2 | less-open | 44 | 170 | 157 | 67 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-30 | 47 | 50.6 | 22.1 | less-open | 34 | 346 | 333 | 243 | NSR | NSR | NSR | NSR | TNP | TNP | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-30 | 48 | 51.6 | 21.1 | less-open | 50 | 127 | 114 | 24 | 3 | E | 70-115 | 45 | TNP | TNP | 1.1 | -- | -- | 1.5 | -- | -- | -- |
| MW-30 | 49 | 53.4 | 19.3 | less-open | 51 | 158 | 145 | 55 | 1 | SE | 116-165 | 49 | TNP | TNP | 1.7 | 2.8 | -- | -- | -- | -- | -- |
| MW-30 | 50 | 54.4 | 18.3 | less-open | 38 | 293 | 280 | 190 | 4 | W | 245-290 | 45 | TNP | TNP | 1.1 | -- | -- | -- | 7.5 | -- | -- |
| MW-30 | 51 | 56.0 | 16.7 | less-open | 43 | 197 | 184 | 94 | 5 | S | 166-200 | 34 | TNP | TNP | 1.6 | -- | -- | -- | -- | 6.1 | -- |
| MW-30 | 52 | 56.3 | 16.4 | less-open | 40 | 142 | 129 | 39 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.3 | 2.9 | -- | -- | -- | -- | -- |
| MW-30 | 53 | 56.7 | 16.0 | less-open | 35 | 316 | 303 | 213 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.5 | -- | 16.1 | -- | -- | -- | -- |
| MW-30 | 54 | 57.0 | 15.7 | less-open | 39 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.3 | 0.8 | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | | ft/day | | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-30 | 55 | 57.6 | 15.1 | less-open | 51 | 146 | 133 | 43 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.6 | 0.6 | -- | -- | -- | -- | -- |
| MW-30 | 56 | 57.7 | 15.0 | less-open | 25 | 38 | 25 | 295 | NSR | NSR | NSR | NSR | TNP | | TNP | | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-30 | 57 | 58.1 | 14.6 | less-open | 44 | 166 | 153 | 63 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.4 | 0.4 | -- | -- | -- | -- | -- |
| MW-30 | 58 | 58.5 | 14.2 | less-open | 44 | 301 | 288 | 198 | 4 | W | 245-290 | 45 | TNP | | TNP | | 0.4 | -- | -- | -- | 4.1 | -- | -- |
| MW-30 | 59 | 58.6 | 14.1 | less-open | 47 | 148 | 135 | 45 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.1 | 0.5 | -- | -- | -- | -- | -- |
| MW-30 | 60 | 58.6 | 14.1 | less-open | 49 | 151 | 138 | 48 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.0 | 0.0 | -- | -- | -- | -- | -- |
| MW-30 | 61 | 58.8 | 13.9 | less-open | 42 | 315 | 302 | 212 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 0.2 | -- | 2.1 | -- | -- | -- | -- |
| MW-30 | 62 | 58.9 | 13.8 | less-open | 47 | 289 | 276 | 186 | 4 | W | 245-290 | 45 | TNP | | TNP | | 0.1 | -- | -- | -- | 0.4 | -- | -- |
| MW-30 | 63 | 59.5 | 13.2 | less-open | 40 | 128 | 115 | 25 | 3 | E | 70-115 | 45 | TNP | | TNP | | 0.6 | -- | -- | 7.9 | -- | -- | -- |
| MW-30 | 64 | 59.7 | 13.0 | less-open | 40 | 144 | 131 | 41 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.2 | 1.1 | -- | -- | -- | -- | -- |
| MW-30 | 65 | 60.0 | 12.7 | less-open | 35 | 129 | 116 | 26 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-30 | 66 | 60.3 | 12.4 | less-open | 59 | 130 | 117 | 27 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-30 | 67 | 60.4 | 12.3 | less-open | 39 | 280 | 267 | 177 | 4 | W | 245-290 | 45 | TNP | | TNP | | 0.0 | -- | -- | -- | 1.4 | -- | -- |
| MW-30 | 68 | 60.7 | 12.0 | less-open | 36 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.4 | 0.4 | -- | -- | -- | -- | -- |
| MW-30 | 69 | 61.0 | 11.7 | less-open | 56 | 148 | 135 | 45 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-30 | 70 | 61.3 | 11.4 | less-open | 49 | 184 | 171 | 81 | 5 | S | 166-200 | 34 | TNP | | TNP | | 0.3 | -- | -- | -- | -- | 5.3 | -- |
| MW-30 | 71 | 61.5 | 11.2 | less-open | 25 | 197 | 184 | 94 | NSR | NSR | NSR | NSR | TNP | | TNP | | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-30 | 72 | 61.9 | 10.8 | less-open | 48 | 166 | 153 | 63 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.4 | 0.8 | -- | -- | -- | -- | -- |
| MW-30 | 73 | 62.7 | 10.0 | less-open | 53 | 216 | 203 | 113 | NSR | NSR | NSR | NSR | 2.1E-04 | | 6.0E-01 | | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-30 | 74 | 64.9 | 7.8 | less-open | 54 | 321 | 308 | 218 | 2 | NW | 291-335 | 44 | 2.1E-04 | | 6.0E-01 | | 2.3 | -- | 6.1 | -- | -- | -- | -- |
| MW-30 | 75 | 65.8 | 6.9 | less-open | 49 | 317 | 304 | 214 | 2 | NW | 291-335 | 44 | 2.1E-04 | 2.1E-04 | 6.0E-01 | 6.0E-01 | 0.9 | -- | 0.9 | -- | -- | -- | -- |
| MW-30 | 76 | 66.0 | 6.7 | less-open | 52 | 320 | 307 | 217 | 2 | NW | 291-335 | 44 | 2.1E-04 | 2.1E-04 | 6.0E-01 | 6.0E-01 | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-30 | 77 | 66.2 | 6.5 | less-open | 53 | 127 | 114 | 24 | 3 | E | 70-115 | 45 | 2.1E-04 | 2.1E-04 | 6.0E-01 | 6.0E-01 | 0.2 | -- | -- | 6.7 | -- | -- | -- |
| MW-30 | 78 | 66.9 | 5.8 | less-open | 52 | 151 | 138 | 48 | 1 | SE | 116-165 | 49 | 2.1E-04 | 2.1E-04 | 6.0E-01 | 6.0E-01 | 0.6 | 5.0 | -- | -- | -- | -- | -- |
| MW-30 | 79 | 67.9 | 4.8 | less-open | 41 | 136 | 123 | 33 | 1 | SE | 116-165 | 49 | | 2.1E-04 | | 6.0E-01 | 1.0 | 1.0 | -- | -- | -- | -- | -- |
| MW-30 | 80 | 68.0 | 4.7 | less-open | 59 | 311 | 298 | 208 | 2 | NW | 291-335 | 44 | | 2.1E-04 | | 6.0E-01 | 0.1 | -- | 2.0 | -- | -- | -- | -- |
| MW-30 | 81 | 68.4 | 4.3 | less-open | 36 | 313 | 300 | 210 | 2 | NW | 291-335 | 44 | | 2.1E-04 | | 6.0E-01 | 0.4 | -- | 0.4 | -- | -- | -- | -- |
| MW-30 | 82 | 68.9 | 3.8 | less-open | 47 | 147 | 134 | 44 | 1 | SE | 116-165 | 49 | 7.1E-07 | 2.1E-04 | 2.0E-03 | 6.0E-01 | 0.5 | 1.0 | -- | -- | -- | -- | -- |
| MW-30 | 83 | 68.9 | 3.8 | less-open | 55 | 126 | 113 | 23 | 3 | E | 70-115 | 45 | 7.1E-07 | 2.1E-04 | 2.0E-03 | 6.0E-01 | 0.0 | -- | -- | 2.7 | -- | -- | -- |
| MW-30 | 84 | 71.1 | 1.6 | less-open | 52 | 141 | 128 | 38 | 1 | SE | 116-165 | 49 | 7.1E-07 | | 2.0E-03 | | 2.2 | 2.2 | -- | -- | -- | -- | -- |
| MW-30 | 85 | 71.9 | 0.8 | less-open | 61 | 339 | 326 | 236 | 2 | NW | 291-335 | 44 | 7.1E-07 | | 2.0E-03 | | 0.8 | -- | 3.5 | -- | -- | -- | -- |
| MW-30 | 86 | 73.9 | -1.2 | less-open | 57 | 132 | 119 | 29 | 1 | SE | 116-165 | 49 | 3.5E-07 | | 1.0E-03 | | 2.0 | 2.8 | -- | -- | -- | -- | -- |
| MW-30 | 87 | 74.2 | -1.5 | less-open | 53 | 113 | 100 | 10 | 3 | E | 70-115 | 45 | 3.5E-07 | | 1.0E-03 | | 0.3 | -- | -- | 5.3 | -- | -- | -- |
| MW-30 | 88 | 74.2 | -1.5 | less-open | 32 | 291 | 278 | 188 | NSR | NSR | NSR | NSR | 3.5E-07 | | 1.0E-03 | | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-30 | 89 | 75.2 | -2.6 | less-open | 65 | 302 | 289 | 199 | 4 | W | 245-290 | 45 | 3.5E-07 | | 1.0E-03 | | 1.0 | -- | -- | -- | 14.9 | -- | -- |
| MW-30 | 90 | 75.3 | -2.7 | less-open | 52 | 152 | 139 | 49 | 1 | SE | 116-165 | 49 | 3.5E-07 | | 1.0E-03 | | 0.1 | 1.4 | -- | -- | -- | -- | -- |
| MW-30 | 91 | 78.5 | -5.8 | less-open | 60 | 137 | 124 | 34 | 1 | SE | 116-165 | 49 | 3.5E-07 | | 1.0E-03 | | 3.1 | 3.1 | -- | -- | -- | -- | -- |
| MW-30 | 92 | 79.6 | -6.9 | less-open | 45 | 137 | 124 | 34 | 1 | SE | 116-165 | 49 | 3.5E-07 | | 1.0E-03 | | 1.1 | 1.1 | -- | -- | -- | -- | -- |
| MW-30 | 93 | 80.2 | -7.5 | less-open | 36 | 166 | 153 | 63 | 1 | SE | 116-165 | 49 | 3.5E-07 | | 1.0E-03 | | 0.6 | 0.6 | -- | -- | -- | -- | -- |
| MW-31 | 1 | 6.7 | 73.1 | less-open | 13 | 310 | 297 | 207 | NSR | NSR | NSR | NSR | TNP | | TNP | | NA | -- | -- | -- | -- | -- | -- |
| MW-31 | 2 | 8.0 | 71.7 | less-open | 39 | 253 | 240 | 150 | NSR | NSR | NSR | NSR | TNP | | TNP | | 1.4 | -- | -- | -- | -- | -- | -- |
| MW-31 | 3 | 9.4 | 70.4 | less-open | 15 | 111 | 98 | 8 | NSR | NSR | NSR | NSR | TNP | | TNP | | 1.4 | -- | -- | -- | -- | -- | -- |
| MW-31 | 4 | 11.1 | 68.7 | less-open | 9 | 3 | 350 | 260 | NSR | NSR | NSR | NSR | TNP | | TNP | | 1.7 | -- | -- | -- | -- | -- | -- |
| MW-31 | 5 | 11.3 | 68.4 | open | 28 | 337 | 324 | 234 | NSR | NSR | NSR | NSR | TNP | | TNP | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-31 | 6 | 13.4 | 66.3 | open | 43 | 330 | 317 | 227 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 2.1 | -- | 13.4 | -- | -- | -- | -- |
| MW-31 | 7 | 16.2 | 63.6 | open | 17 | 153 | 140 | 50 | NSR | NSR | NSR | NSR | TNP | | TNP | | 2.8 | -- | -- | -- | -- | -- | -- |
| MW-31 | 8 | 16.4 | 63.4 | open | 53 | 303 | 290 | 200 | 4 | W | 245-290 | 45 | TNP | | TNP | | 0.2 | -- | -- | -- | 16.4 | -- | -- |
| MW-31 | 9 | 20.7 | 59.0 | less-open | 27 | 330 | 317 | 227 | NSR | NSR | NSR | NSR | TNP | | TNP | | 4.4 | -- | -- | -- | -- | -- | -- |
| MW-31 | 10 | 22.3 | 57.4 | less-open | 20 | 308 | 295 | 205 | NSR | NSR | NSR | NSR | TNP | | TNP | | 1.6 | -- | -- | -- | -- | -- | -- |
| MW-31 | 11 | 27.0 | 52.8 | less-open | 18 | 91 | 78 | 348 | NSR | NSR | NSR | NSR | TNP | | TNP | | 4.6 | -- | -- | -- | -- | -- | -- |
| MW-31 | 12 | 28.6 | 51.1 | less-open | 54 | 321 | 308 | 218 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 1.7 | -- | 15.2 | -- | -- | -- | -- |
| MW-31 | 13 | 32.0 | 47.8 | open | 41 | 312 | 299 | 209 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 3.3 | -- | 3.3 | -- | -- | -- | -- |
| MW-31 | 14 | 32.1 | 47.7 | less-open | 54 | 322 | 309 | 219 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-31 | 15 | 32.1 | 47.6 | less-open | 53 | 151 | 138 | 48 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.0 | 32.1 | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | | ft/day | | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-31 | 16 | 32.2 | 47.5 | less-open | 52 | 154 | 141 | 51 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-31 | 17 | 33.2 | 46.5 | less-open | 69 | 321 | 308 | 218 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 1.0 | -- | 1.2 | -- | -- | -- | -- |
| MW-31 | 18 | 33.2 | 46.5 | less-open | 75 | 233 | 220 | 130 | NSR | NSR | NSR | NSR | TNP | | TNP | | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-31 | 19 | 33.5 | 46.2 | less-open | 51 | 301 | 288 | 198 | 4 | W | 245-290 | 45 | TNP | | TNP | | 0.3 | -- | -- | -- | 17.1 | -- | -- |
| MW-31 | 20 | 35.1 | 44.7 | less-open | 80 | 174 | 161 | 71 | 1 | SE | 116-165 | 49 | 7.1E-05 | | 2.0E-01 | | 1.6 | 2.9 | -- | -- | -- | -- | -- |
| MW-31 | 21 | 35.8 | 43.9 | less-open | 13 | 17 | 4 | 274 | NSR | NSR | NSR | NSR | 7.1E-05 | | 2.0E-01 | | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-31 | 22 | 37.0 | 42.7 | less-open | 43 | 322 | 309 | 219 | 2 | NW | 291-335 | 44 | 7.1E-05 | | 2.0E-01 | | 1.2 | -- | 3.8 | -- | -- | -- | -- |
| MW-31 | 23 | 37.8 | 41.9 | less-open | 53 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | 7.1E-05 | | 2.0E-01 | | 0.8 | -- | -- | 37.8 | -- | -- | -- |
| MW-31 | 24 | 38.3 | 41.4 | less-open | 44 | 103 | 90 | 0 | 3 | E | 70-115 | 45 | 7.1E-05 | | 2.0E-01 | | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-31 | 25 | 38.6 | 41.2 | less-open | 58 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 7.1E-05 | | 2.0E-01 | | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-31 | 26 | 39.2 | 40.6 | less-open | 50 | 314 | 301 | 211 | 2 | NW | 291-335 | 44 | 7.1E-05 | | 2.0E-01 | | 0.6 | -- | 2.2 | -- | -- | -- | -- |
| MW-31 | 27 | 39.2 | 40.5 | less-open | 47 | 310 | 297 | 207 | 2 | NW | 291-335 | 44 | 7.1E-05 | | 2.0E-01 | | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-31 | 28 | 39.8 | 39.9 | less-open | 51 | 278 | 265 | 175 | 4 | W | 245-290 | 45 | 7.1E-05 | | 2.0E-01 | | 0.6 | -- | -- | -- | 6.3 | -- | -- |
| MW-31 | 29 | 40.8 | 39.0 | less-open | 46 | 296 | 283 | 193 | 4 | W | 245-290 | 45 | 7.1E-05 | | 2.0E-01 | | 0.9 | -- | -- | -- | 0.9 | -- | -- |
| MW-31 | 30 | 45.1 | 34.6 | less-open | 40 | 298 | 285 | 195 | 4 | W | 245-290 | 45 | 3.2E-03 | | 9.1E+00 | | 4.4 | -- | -- | -- | 4.4 | -- | -- |
| MW-31 | 31 | 45.3 | 34.5 | less-open | 53 | 59 | 46 | 316 | NSR | NSR | NSR | NSR | 3.2E-03 | | 9.1E+00 | | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-31 | 32 | 45.8 | 34.0 | less-open | 65 | 96 | 83 | 353 | 3 | E | 70-115 | 45 | 3.2E-03 | | 9.1E+00 | | 0.5 | -- | -- | 7.2 | -- | -- | -- |
| MW-31 | 33 | 46.1 | 33.7 | less-open | 51 | 307 | 294 | 204 | 2 | NW | 291-335 | 44 | 3.2E-03 | | 9.1E+00 | | 0.3 | -- | 6.8 | -- | -- | -- | -- |
| MW-31 | 34 | 46.4 | 33.3 | less-open | 54 | 308 | 295 | 205 | 2 | NW | 291-335 | 44 | 3.2E-03 | | 9.1E+00 | | 0.4 | -- | 0.4 | -- | -- | -- | -- |
| MW-31 | 35 | 46.8 | 33.0 | less-open | 42 | 291 | 278 | 188 | 4 | W | 245-290 | 45 | 3.2E-03 | | 9.1E+00 | | 0.3 | -- | -- | -- | 1.6 | -- | -- |
| MW-31 | 36 | 46.9 | 32.8 | open | 25 | 292 | 279 | 189 | NSR | NSR | NSR | NSR | 3.2E-03 | | 9.1E+00 | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-31 | 37 | 47.3 | 32.5 | less-open | 42 | 294 | 281 | 191 | 4 | W | 245-290 | 45 | 3.2E-03 | | 9.1E+00 | | 0.4 | -- | -- | -- | 0.5 | -- | -- |
| MW-31 | 38 | 48.4 | 31.3 | less-open | 49 | 297 | 284 | 194 | 4 | W | 245-290 | 45 | 3.2E-03 | | 9.1E+00 | | 1.1 | -- | -- | -- | 1.1 | -- | -- |
| MW-31 | 39 | 48.7 | 31.1 | less-open | 55 | 85 | 72 | 342 | 3 | E | 70-115 | 45 | 3.2E-03 | | 9.1E+00 | | 0.3 | -- | -- | 2.9 | -- | -- | -- |
| MW-31 | 40 | 48.8 | 31.0 | less-open | 30 | 89 | 76 | 346 | NSR | NSR | NSR | NSR | 3.2E-03 | | 9.1E+00 | | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-31 | 41 | 49.7 | 30.0 | less-open | 48 | 152 | 139 | 49 | 1 | SE | 116-165 | 49 | 3.2E-03 | | 9.1E+00 | | 1.0 | 14.7 | -- | -- | -- | -- | -- |
| MW-31 | 42 | 50.3 | 29.5 | less-open | 59 | 290 | 277 | 187 | 4 | W | 245-290 | 45 | 3.2E-03 | | 9.1E+00 | | 0.6 | -- | -- | -- | 1.9 | -- | -- |
| MW-31 | 43 | 50.3 | 29.4 | less-open | 57 | 314 | 301 | 211 | 2 | NW | 291-335 | 44 | 3.2E-03 | | 9.1E+00 | | 0.1 | -- | 3.9 | -- | -- | -- | -- |
| MW-31 | 44 | 50.4 | 29.3 | less-open | 45 | 294 | 281 | 191 | 4 | W | 245-290 | 45 | 3.2E-03 | | 9.1E+00 | | 0.1 | -- | -- | -- | 0.1 | -- | -- |
| MW-31 | 45 | 50.5 | 29.2 | less-open | 57 | 274 | 261 | 171 | 4 | W | 245-290 | 45 | 3.2E-03 | | 9.1E+00 | | 0.1 | -- | -- | -- | 0.1 | -- | -- |
| MW-31 | 46 | 51.0 | 28.7 | less-open | 45 | 291 | 278 | 188 | 4 | W | 245-290 | 45 | 3.2E-03 | 6.0E-04 | 9.1E+00 | 1.7E+00 | 0.5 | -- | -- | -- | 0.5 | -- | -- |
| MW-31 | 47 | 51.3 | 28.5 | less-open | 48 | 295 | 282 | 192 | 4 | W | 245-290 | 45 | 3.2E-03 | 6.0E-04 | 9.1E+00 | 1.7E+00 | 0.2 | -- | -- | -- | 0.2 | -- | -- |
| MW-31 | 48 | 51.6 | 28.1 | less-open | 59 | 176 | 163 | 73 | 1 | SE | 116-165 | 49 | 3.2E-03 | 6.0E-04 | 9.1E+00 | 1.7E+00 | 0.4 | 1.9 | -- | -- | -- | -- | -- |
| MW-31 | 49 | 51.8 | 27.9 | less-open | 45 | 295 | 282 | 192 | 4 | W | 245-290 | 45 | | 6.0E-04 | | 1.7E+00 | 0.2 | -- | -- | -- | 0.6 | -- | -- |
| MW-31 | 50 | 52.0 | 27.8 | less-open | 67 | 319 | 306 | 216 | 2 | NW | 291-335 | 44 | | 6.0E-04 | | 1.7E+00 | 0.1 | -- | 1.6 | -- | -- | -- | -- |
| MW-31 | 51 | 52.1 | 27.6 | less-open | 55 | 153 | 140 | 50 | 1 | SE | 116-165 | 49 | | 6.0E-04 | | 1.7E+00 | 0.2 | 0.5 | -- | -- | -- | -- | -- |
| MW-31 | 52 | 52.5 | 27.2 | less-open | 51 | 154 | 141 | 51 | 1 | SE | 116-165 | 49 | | 6.0E-04 | | 1.7E+00 | 0.4 | 0.4 | -- | -- | -- | -- | -- |
| MW-31 | 53 | 54.5 | 25.3 | less-open | 44 | 275 | 262 | 172 | 4 | W | 245-290 | 45 | | 6.0E-04 | | 1.7E+00 | 2.0 | -- | -- | -- | 2.7 | -- | -- |
| MW-31 | 54 | 55.1 | 24.6 | less-open | 48 | 298 | 285 | 195 | 4 | W | 245-290 | 45 | | 6.0E-04 | | 1.7E+00 | 0.6 | -- | -- | -- | 0.6 | -- | -- |
| MW-31 | 55 | 55.4 | 24.4 | less-open | 51 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | | 6.0E-04 | | 1.7E+00 | 0.3 | -- | -- | 6.7 | -- | -- | -- |
| MW-31 | 56 | 56.3 | 23.5 | less-open | 43 | 177 | 164 | 74 | 1 | SE | 116-165 | 49 | | 6.0E-04 | | 1.7E+00 | 0.9 | 3.7 | -- | -- | -- | -- | -- |
| MW-31 | 57 | 56.4 | 23.3 | less-open | 58 | 244 | 231 | 141 | NSR | NSR | NSR | NSR | | 6.0E-04 | | 1.7E+00 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-31 | 58 | 57.2 | 22.5 | less-open | 55 | 157 | 144 | 54 | 1 | SE | 116-165 | 49 | | 6.0E-04 | | 1.7E+00 | 0.8 | 1.0 | -- | -- | -- | -- | -- |
| MW-31 | 59 | 57.4 | 22.3 | less-open | 54 | 303 | 290 | 200 | 4 | W | 245-290 | 45 | | 6.0E-04 | | 1.7E+00 | 0.2 | -- | -- | -- | 2.3 | -- | -- |
| MW-31 | 60 | 57.6 | 22.1 | less-open | 50 | 299 | 286 | 196 | 4 | W | 245-290 | 45 | | 6.0E-04 | | 1.7E+00 | 0.2 | -- | -- | -- | 0.2 | -- | -- |
| MW-31 | 61 | 57.9 | 21.8 | less-open | 58 | 148 | 135 | 45 | 1 | SE | 116-165 | 49 | | 6.0E-04 | | 1.7E+00 | 0.3 | 0.7 | -- | -- | -- | -- | -- |
| MW-31 | 62 | 58.2 | 21.6 | less-open | 57 | 158 | 145 | 55 | 1 | SE | 116-165 | 49 | | 6.0E-04 | | 1.7E+00 | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-31 | 63 | 58.6 | 21.1 | less-open | 55 | 147 | 134 | 44 | 1 | SE | 116-165 | 49 | | 6.0E-04 | | 1.7E+00 | 0.5 | 0.5 | -- | -- | -- | -- | -- |
| MW-31 | 64 | 58.9 | 20.9 | less-open | 58 | 143 | 130 | 40 | 1 | SE | 116-165 | 49 | 1.8E-04 | 6.0E-04 | 5.0E-01 | 1.7E+00 | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-31 | 65 | 59.1 | 20.6 | less-open | 27 | 151 | 138 | 48 | NSR | NSR | NSR | NSR | 1.8E-04 | 6.0E-04 | 5.0E-01 | 1.7E+00 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-31 | 66 | 59.3 | 20.5 | less-open | 25 | 121 | 108 | 18 | NSR | NSR | NSR | NSR | 1.8E-04 | 6.0E-04 | 5.0E-01 | 1.7E+00 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-31 | 67 | 60.4 | 19.4 | less-open | 58 | 136 | 123 | 33 | 1 | SE | 116-165 | 49 | 1.8E-04 | | 5.0E-01 | | 1.1 | 1.5 | -- | -- | -- | -- | -- |
| MW-31 | 68 | 60.6 | 19.2 | less-open | 72 | 271 | 258 | 168 | 4 | W | 245-290 | 45 | 1.8E-04 | | 5.0E-01 | | 0.2 | -- | -- | -- | 2.9 | -- | -- |
| MW-31 | 69 | 60.7 | 19.0 | less-open | 51 | 106 | 93 | 3 | 3 | E | 70-115 | 45 | 1.8E-04 | | 5.0E-01 | | 0.2 | -- | -- | 5.3 | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | | ft/day | | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-31 | 70 | 61.2 | 18.5 | less-open | 45 | 318 | 305 | 215 | 2 | NW | 291-335 | 44 | 1.8E-04 | | 5.0E-01 | | 0.5 | -- | 9.2 | -- | -- | -- | -- |
| MW-31 | 71 | 61.5 | 18.3 | less-open | 49 | 320 | 307 | 217 | 2 | NW | 291-335 | 44 | 1.8E-04 | | 5.0E-01 | | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-31 | 72 | 61.9 | 17.9 | less-open | 61 | 167 | 154 | 64 | 1 | SE | 116-165 | 49 | 1.8E-04 | | 5.0E-01 | | 0.4 | 1.5 | -- | -- | -- | -- | -- |
| MW-31 | 73 | 62.3 | 17.5 | less-open | 47 | 289 | 276 | 186 | 4 | W | 245-290 | 45 | 1.8E-04 | | 5.0E-01 | | 0.4 | -- | -- | -- | 1.7 | -- | -- |
| MW-31 | 74 | 63.3 | 16.4 | less-open | 64 | 136 | 123 | 33 | 1 | SE | 116-165 | 49 | 1.8E-04 | | 5.0E-01 | | 1.0 | 1.4 | -- | -- | -- | -- | -- |
| MW-31 | 75 | 63.8 | 16.0 | less-open | 42 | 296 | 283 | 193 | 4 | W | 245-290 | 45 | 1.8E-04 | | 5.0E-01 | | 0.4 | -- | -- | -- | 1.5 | -- | -- |
| MW-31 | 76 | 64.4 | 15.4 | less-open | 51 | 285 | 272 | 182 | 4 | W | 245-290 | 45 | 1.8E-04 | | 5.0E-01 | | 0.6 | -- | -- | -- | 0.6 | -- | -- |
| MW-31 | 77 | 65.5 | 14.2 | less-open | 37 | 335 | 322 | 232 | 2 | NW | 291-335 | 44 | 1.8E-04 | | 5.0E-01 | | 1.2 | -- | 4.1 | -- | -- | -- | -- |
| MW-31 | 78 | 65.7 | 14.1 | less-open | 78 | 190 | 177 | 87 | 5 | S | 166-200 | 34 | 1.8E-04 | | 5.0E-01 | | 0.1 | -- | -- | -- | -- | 65.7 | -- |
| MW-31 | 79 | 66.1 | 13.7 | less-open | 40 | 179 | 166 | 76 | 5 | S | 166-200 | 34 | 1.8E-04 | 1.1E-04 | 5.0E-01 | 3.0E-01 | 0.4 | -- | -- | -- | -- | 0.4 | -- |
| MW-31 | 80 | 68.1 | 11.7 | less-open | 65 | 141 | 128 | 38 | 1 | SE | 116-165 | 49 | | 1.1E-04 | | 3.0E-01 | 2.0 | 4.7 | -- | -- | -- | -- | -- |
| MW-31 | 81 | 70.5 | 9.3 | less-open | 66 | 140 | 127 | 37 | 1 | SE | 116-165 | 49 | | 1.1E-04 | | 3.0E-01 | 2.4 | 2.4 | -- | -- | -- | -- | -- |
| MW-31 | 82 | 74.0 | 5.8 | less-open | 52 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | 1.1E-04 | | 3.0E-01 | | 3.5 | -- | -- | 13.3 | -- | -- | -- |
| MW-31 | 83 | 74.1 | 5.6 | less-open | 57 | 130 | 117 | 27 | 1 | SE | 116-165 | 49 | 1.1E-04 | | 3.0E-01 | | 0.2 | 3.7 | -- | -- | -- | -- | -- |
| MW-31 | 84 | 74.3 | 5.4 | less-open | 28 | 312 | 299 | 209 | NSR | NSR | NSR | NSR | 1.1E-04 | | 3.0E-01 | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-31 | 85 | 74.5 | 5.3 | less-open | 23 | 336 | 323 | 233 | NSR | NSR | NSR | NSR | 1.1E-04 | | 3.0E-01 | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-31 | 86 | 76.1 | 3.7 | less-open | 35 | 329 | 316 | 226 | 2 | NW | 291-335 | 44 | 1.1E-04 | | 3.0E-01 | | 1.6 | -- | 10.6 | -- | -- | -- | -- |
| MW-31 | 87 | 76.6 | 3.2 | open | 54 | 150 | 137 | 47 | 1 | SE | 116-165 | 49 | 1.1E-04 | | 3.0E-01 | | 0.5 | 2.4 | -- | -- | -- | -- | -- |
| MW-31 | 88 | 76.9 | 2.9 | less-open | 55 | 151 | 138 | 48 | 1 | SE | 116-165 | 49 | 1.1E-04 | | 3.0E-01 | | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-31 | 89 | 79.0 | 0.7 | less-open | 53 | 147 | 134 | 44 | 1 | SE | 116-165 | 49 | 1.1E-04 | | 3.0E-01 | | 2.1 | 2.1 | -- | -- | -- | -- | -- |
| MW-31 | 90 | 79.8 | 0.0 | less-open | 32 | 350 | 337 | 247 | NSR | NSR | NSR | NSR | 1.1E-04 | 7.1E-05 | 3.0E-01 | 2.0E-01 | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-31 | 91 | 80.2 | -0.4 | less-open | 52 | 139 | 126 | 36 | 1 | SE | 116-165 | 49 | 1.1E-04 | 7.1E-05 | 3.0E-01 | 2.0E-01 | 0.4 | 1.2 | -- | -- | -- | -- | -- |
| MW-31 | 92 | 80.4 | -0.6 | less-open | 47 | 139 | 126 | 36 | 1 | SE | 116-165 | 49 | 1.1E-04 | 7.1E-05 | 3.0E-01 | 2.0E-01 | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-31 | 93 | 81.2 | -1.5 | less-open | 63 | 339 | 326 | 236 | 2 | NW | 291-335 | 44 | 1.1E-04 | 7.1E-05 | 3.0E-01 | 2.0E-01 | 0.8 | -- | 5.1 | -- | -- | -- | -- |
| MW-31 | 94 | 81.4 | -1.6 | less-open | 58 | 69 | 56 | 326 | NSR | NSR | NSR | NSR | 1.1E-04 | 7.1E-05 | 3.0E-01 | 2.0E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-31 | 95 | 81.6 | -1.9 | less-open | 48 | 142 | 129 | 39 | 1 | SE | 116-165 | 49 | 1.1E-04 | 7.1E-05 | 3.0E-01 | 2.0E-01 | 0.2 | 1.2 | -- | -- | -- | -- | -- |
| MW-31 | 96 | 82.6 | -2.8 | less-open | 44 | 160 | 147 | 57 | 1 | SE | 116-165 | 49 | | 7.1E-05 | | 2.0E-01 | 1.0 | 1.0 | -- | -- | -- | -- | -- |
| MW-31 | 97 | 83.3 | -3.6 | less-open | 44 | 316 | 303 | 213 | 2 | NW | 291-335 | 44 | | 7.1E-05 | | 2.0E-01 | 0.8 | -- | 2.1 | -- | -- | -- | -- |
| MW-31 | 98 | 83.7 | -3.9 | less-open | 51 | 131 | 118 | 28 | 1 | SE | 116-165 | 49 | | 7.1E-05 | | 2.0E-01 | 0.3 | 1.1 | -- | -- | -- | -- | -- |
| MW-31 | 99 | 84.4 | -4.7 | less-open | 47 | 144 | 131 | 41 | 1 | SE | 116-165 | 49 | | 7.1E-05 | | 2.0E-01 | 0.8 | 0.8 | -- | -- | -- | -- | -- |
| MW-31 | 100 | 85.6 | -5.8 | less-open | 80 | 187 | 174 | 84 | 5 | S | 166-200 | 34 | | 7.1E-05 | | 2.0E-01 | 1.1 | -- | -- | -- | -- | 19.5 | -- |
| MW-31 | 101 | 86.2 | -6.4 | less-open | 48 | 136 | 123 | 33 | 1 | SE | 116-165 | 49 | | 7.1E-05 | | 2.0E-01 | 0.6 | 1.7 | -- | -- | -- | -- | -- |
| MW-31 | 102 | 86.7 | -6.9 | less-open | 44 | 285 | 272 | 182 | 4 | W | 245-290 | 45 | | 7.1E-05 | | 2.0E-01 | 0.5 | -- | -- | -- | 22.3 | -- | -- |
| MW-31 | 103 | 87.1 | -7.3 | less-open | 59 | 75 | 62 | 332 | NSR | NSR | NSR | NSR | | 7.1E-05 | | 2.0E-01 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-31 | 104 | 87.5 | -7.8 | less-open | 53 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | | 7.1E-05 | | 2.0E-01 | 0.5 | -- | -- | 13.6 | -- | -- | -- |
| MW-31 | 105 | 88.8 | -9.1 | less-open | 3 | 46 | 33 | 303 | NSR | NSR | NSR | NSR | | 7.1E-05 | | 2.0E-01 | 1.3 | -- | -- | -- | -- | -- | -- |
| MW-31 | 106 | 89.4 | -9.7 | less-open | 5 | 315 | 302 | 212 | NSR | NSR | NSR | NSR | | 7.1E-05 | | 2.0E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-32 | 1 | 36.7 | 41.6 | less-open | 58 | 161 | 148 | 58 | 1 | SE | 116-165 | 49 | TNP | | TNP | | NA | 36.7 | -- | -- | -- | -- | -- |
| MW-32 | 2 | 37.4 | 41.0 | less-open | 49 | 156 | 143 | 53 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.7 | 0.7 | -- | -- | -- | -- | -- |
| MW-32 | 3 | 38.1 | 40.3 | less-open | 48 | 156 | 143 | 53 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.7 | 0.7 | -- | -- | -- | -- | -- |
| MW-32 | 4 | 38.5 | 39.8 | less-open | 40 | 152 | 139 | 49 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.5 | 0.5 | -- | -- | -- | -- | -- |
| MW-32 | 5 | 38.8 | 39.6 | less-open | 52 | 190 | 177 | 87 | 5 | S | 166-200 | 34 | TNP | | TNP | | 0.2 | -- | -- | -- | -- | 38.8 | -- |
| MW-32 | 6 | 39.0 | 39.3 | less-open | 56 | 145 | 132 | 42 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.3 | 0.5 | -- | -- | -- | -- | -- |
| MW-32 | 7 | 39.5 | 38.9 | less-open | 44 | 315 | 302 | 212 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 0.4 | -- | 39.5 | -- | -- | -- | -- |
| MW-32 | 8 | 39.7 | 38.6 | less-open | 61 | 153 | 140 | 50 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.3 | 0.7 | -- | -- | -- | -- | -- |
| MW-32 | 9 | 40.1 | 38.3 | less-open | 18 | 29 | 16 | 286 | NSR | NSR | NSR | NSR | TNP | | TNP | | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-32 | 10 | 40.4 | 37.9 | less-open | 45 | 313 | 300 | 210 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 0.3 | -- | 0.9 | -- | -- | -- | -- |
| MW-32 | 11 | 40.6 | 37.7 | less-open | 55 | 154 | 141 | 51 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.3 | 0.9 | -- | -- | -- | -- | -- |
| MW-32 | 12 | 41.6 | 36.7 | less-open | 61 | 138 | 125 | 35 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 1.0 | 1.0 | -- | -- | -- | -- | -- |
| MW-32 | 13 | 41.9 | 36.4 | less-open | 65 | 135 | 122 | 32 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-32 | 14 | 41.9 | 36.4 | less-open | 65 | 155 | 142 | 52 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.0 | 0.0 | -- | -- | -- | -- | -- |
| MW-32 | 15 | 42.4 | 36.0 | less-open | 48 | 200 | 187 | 97 | 5 | S | 166-200 | 34 | TNP | | TNP | | 0.5 | -- | -- | -- | -- | 3.6 | -- |
| MW-32 | 16 | 42.6 | 35.7 | less-open | 56 | 171 | 158 | 68 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.3 | 0.7 | -- | -- | -- | -- | -- |
| MW-32 | 17 | 42.7 | 35.7 | less-open | 44 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | TNP | | TNP | | 0.1 | -- | -- | 42.7 | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-32 | 18 | 43.1 | 35.3 | less-open | 55 | 128 | 115 | 25 | 3 | E | 70-115 | 45 | TNP | TNP | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-32 | 19 | 43.2 | 35.2 | less-open | 52 | 143 | 130 | 40 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.1 | 0.5 | -- | -- | -- | -- | -- |
| MW-32 | 20 | 43.8 | 34.5 | less-open | 49 | 152 | 139 | 49 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.7 | 0.7 | -- | -- | -- | -- | -- |
| MW-32 | 21 | 45.1 | 33.2 | less-open | 19 | 305 | 292 | 202 | NSR | NSR | NSR | NSR | TNP | TNP | 1.3 | -- | -- | -- | -- | -- | -- |
| MW-32 | 22 | 45.4 | 32.9 | less-open | 54 | 156 | 143 | 53 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.3 | 1.6 | -- | -- | -- | -- | -- |
| MW-32 | 23 | 45.7 | 32.6 | less-open | 54 | 171 | 158 | 68 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-32 | 24 | 45.8 | 32.5 | less-open | 51 | 153 | 140 | 50 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-32 | 25 | 46.5 | 31.8 | less-open | 38 | 174 | 161 | 71 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.7 | 0.7 | -- | -- | -- | -- | -- |
| MW-32 | 26 | 47.1 | 31.3 | less-open | 41 | 173 | 160 | 70 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.5 | 0.5 | -- | -- | -- | -- | -- |
| MW-32 | 27 | 47.4 | 30.9 | less-open | 47 | 153 | 140 | 50 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-32 | 28 | 47.5 | 30.8 | less-open | 47 | 173 | 160 | 70 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-32 | 29 | 48.0 | 30.3 | less-open | 64 | 169 | 156 | 66 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.5 | 0.5 | -- | -- | -- | -- | -- |
| MW-32 | 30 | 48.4 | 30.0 | less-open | 67 | 180 | 167 | 77 | 5 | S | 166-200 | 34 | TNP | TNP | 0.4 | -- | -- | -- | -- | 6.0 | -- |
| MW-32 | 31 | 48.8 | 29.5 | less-open | 64 | 119 | 106 | 16 | 3 | E | 70-115 | 45 | TNP | TNP | 0.4 | -- | -- | 5.7 | -- | -- | -- |
| MW-32 | 32 | 48.9 | 29.4 | less-open | 44 | 157 | 144 | 54 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.1 | 0.9 | -- | -- | -- | -- | -- |
| MW-32 | 33 | 49.0 | 29.3 | less-open | 58 | 190 | 177 | 87 | 5 | S | 166-200 | 34 | TNP | TNP | 0.1 | -- | -- | -- | -- | 0.6 | -- |
| MW-32 | 34 | 49.3 | 29.1 | less-open | 38 | 147 | 134 | 44 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-32 | 35 | 49.5 | 28.9 | open | 60 | 163 | 150 | 60 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-32 | 36 | 49.6 | 28.8 | open | 62 | 169 | 156 | 66 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-32 | 37 | 49.8 | 28.6 | open | 52 | 170 | 157 | 67 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-32 | 38 | 50.2 | 28.1 | open | 32 | 173 | 160 | 70 | NSR | NSR | NSR | NSR | TNP | TNP | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-32 | 39 | 50.8 | 27.5 | open | 45 | 155 | 142 | 52 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.6 | 1.0 | -- | -- | -- | -- | -- |
| MW-32 | 40 | 51.1 | 27.2 | open | 40 | 131 | 118 | 28 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-32 | 41 | 52.0 | 26.3 | less-open | 51 | 160 | 147 | 57 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.9 | 0.9 | -- | -- | -- | -- | -- |
| MW-32 | 42 | 52.1 | 26.2 | less-open | 53 | 131 | 118 | 28 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-32 | 43 | 52.4 | 25.9 | less-open | 54 | 137 | 124 | 34 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-32 | 44 | 53.3 | 25.1 | less-open | 64 | 269 | 256 | 166 | 4 | W | 245-290 | 45 | TNP | TNP | 0.9 | -- | -- | -- | 53.3 | -- | -- |
| MW-32 | 45 | 53.3 | 25.0 | less-open | 50 | 118 | 105 | 15 | 3 | E | 70-115 | 45 | TNP | TNP | 0.0 | -- | -- | 4.5 | -- | -- | -- |
| MW-32 | 46 | 53.4 | 24.9 | less-open | 64 | 264 | 251 | 161 | 4 | W | 245-290 | 45 | TNP | TNP | 0.1 | -- | -- | -- | 0.1 | -- | -- |
| MW-32 | 47 | 53.9 | 24.4 | less-open | 62 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | TNP | TNP | 0.5 | -- | -- | 0.6 | -- | -- | -- |
| MW-32 | 48 | 54.1 | 24.3 | less-open | 62 | 113 | 100 | 10 | 3 | E | 70-115 | 45 | TNP | TNP | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-32 | 49 | 54.3 | 24.0 | less-open | 66 | 314 | 301 | 211 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.3 | -- | 13.9 | -- | -- | -- | -- |
| MW-32 | 50 | 54.5 | 23.9 | less-open | 50 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | TNP | TNP | 0.1 | -- | -- | 0.4 | -- | -- | -- |
| MW-32 | 51 | 54.5 | 23.9 | open | 76 | 81 | 68 | 338 | NSR | NSR | NSR | NSR | TNP | TNP | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-32 | 52 | 54.8 | 23.5 | less-open | 41 | 121 | 108 | 18 | 3 | E | 70-115 | 45 | TNP | TNP | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-32 | 53 | 55.3 | 23.1 | less-open | 54 | 100 | 87 | 357 | 3 | E | 70-115 | 45 | TNP | TNP | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-32 | 54 | 55.7 | 22.7 | open | 58 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | TNP | TNP | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-32 | 55 | 55.9 | 22.4 | open | 55 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.3 | 3.5 | -- | -- | -- | -- | -- |
| MW-32 | 56 | 56.3 | 22.0 | open | 40 | 119 | 106 | 16 | 3 | E | 70-115 | 45 | TNP | TNP | 0.4 | -- | -- | 0.6 | -- | -- | -- |
| MW-32 | 57 | 56.7 | 21.6 | less-open | 52 | 144 | 131 | 41 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.4 | 0.8 | -- | -- | -- | -- | -- |
| MW-32 | 58 | 57.2 | 21.1 | less-open | 46 | 147 | 134 | 44 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.5 | 0.5 | -- | -- | -- | -- | -- |
| MW-32 | 59 | 58.2 | 20.1 | less-open | 77 | 153 | 140 | 50 | 1 | SE | 116-165 | 49 | TNP | TNP | 1.0 | 1.0 | -- | -- | -- | -- | -- |
| MW-32 | 60 | 58.2 | 20.1 | less-open | 35 | 121 | 108 | 18 | 3 | E | 70-115 | 45 | TNP | TNP | 0.0 | -- | -- | 1.9 | -- | -- | -- |
| MW-32 | 61 | 58.6 | 19.8 | less-open | 43 | 153 | 140 | 50 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.3 | 0.4 | -- | -- | -- | -- | -- |
| MW-32 | 62 | 58.7 | 19.6 | less-open | 54 | 333 | 320 | 230 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.2 | -- | 4.4 | -- | -- | -- | -- |
| MW-32 | 63 | 59.2 | 19.2 | less-open | 45 | 137 | 124 | 34 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.4 | 0.6 | -- | -- | -- | -- | -- |
| MW-32 | 64 | 59.2 | 19.1 | less-open | 55 | 272 | 259 | 169 | 4 | W | 245-290 | 45 | TNP | TNP | 0.1 | -- | -- | -- | 5.8 | -- | -- |
| MW-32 | 65 | 59.6 | 18.7 | less-open | 37 | 155 | 142 | 52 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.4 | 0.5 | -- | -- | -- | -- | -- |
| MW-32 | 66 | 59.8 | 18.5 | less-open | 42 | 168 | 155 | 65 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-32 | 67 | 59.9 | 18.4 | less-open | 57 | 292 | 279 | 189 | 4 | W | 245-290 | 45 | TNP | TNP | 0.1 | -- | -- | -- | 0.7 | -- | -- |
| MW-32 | 68 | 60.0 | 18.3 | less-open | 45 | 147 | 134 | 44 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.1 | 0.2 | -- | -- | -- | -- | -- |
| MW-32 | 69 | 60.2 | 18.2 | less-open | 63 | 312 | 299 | 209 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.2 | -- | 1.4 | -- | -- | -- | -- |
| MW-32 | 70 | 60.4 | 17.9 | less-open | 46 | 132 | 119 | 29 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.3 | 0.4 | -- | -- | -- | -- | -- |
| MW-32 | 71 | 60.7 | 17.7 | less-open | 44 | 151 | 138 | 48 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.2 | 0.2 | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-32 | 72 | 60.9 | 17.5 | less-open | 50 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-32 | 73 | 61.1 | 17.3 | less-open | 57 | 255 | 242 | 152 | NSR | NSR | NSR | NSR | TNP | TNP | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-32 | 74 | 61.2 | 17.1 | less-open | 47 | 137 | 124 | 34 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.2 | 0.4 | -- | -- | -- | -- | -- |
| MW-32 | 75 | 61.3 | 17.1 | less-open | 61 | 264 | 251 | 161 | 4 | W | 245-290 | 45 | TNP | TNP | 0.0 | -- | -- | -- | 1.3 | -- | -- |
| MW-32 | 76 | 61.5 | 16.8 | less-open | 47 | 133 | 120 | 30 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.2 | 0.3 | -- | -- | -- | -- | -- |
| MW-32 | 77 | 61.6 | 16.7 | less-open | 45 | 166 | 153 | 63 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-32 | 78 | 61.8 | 16.5 | less-open | 48 | 125 | 112 | 22 | 3 | E | 70-115 | 45 | TNP | TNP | 0.2 | -- | -- | 3.6 | -- | -- | -- |
| MW-32 | 79 | 61.9 | 16.4 | less-open | 49 | 142 | 129 | 39 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.1 | 0.3 | -- | -- | -- | -- | -- |
| MW-32 | 80 | 62.0 | 16.3 | less-open | 44 | 152 | 139 | 49 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-32 | 81 | 62.3 | 16.0 | less-open | 66 | 262 | 249 | 159 | 4 | W | 245-290 | 45 | TNP | TNP | 0.3 | -- | -- | -- | 1.0 | -- | -- |
| MW-32 | 82 | 62.5 | 15.9 | less-open | 42 | 15 | 2 | 272 | 6 | N | 336-21 | 45 | TNP | TNP | 0.2 | -- | -- | -- | -- | -- | 62.5 |
| MW-32 | 83 | 62.8 | 15.5 | less-open | 41 | 126 | 113 | 23 | 3 | E | 70-115 | 45 | TNP | TNP | 0.4 | -- | -- | 1.0 | -- | -- | -- |
| MW-32 | 84 | 63.0 | 15.4 | less-open | 55 | 263 | 250 | 160 | 4 | W | 245-290 | 45 | TNP | TNP | 0.1 | -- | -- | -- | 0.7 | -- | -- |
| MW-32 | 85 | 63.0 | 15.3 | less-open | 52 | 142 | 129 | 39 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.0 | 1.0 | -- | -- | -- | -- | -- |
| MW-32 | 86 | 63.2 | 15.1 | less-open | 43 | 138 | 125 | 35 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-32 | 87 | 63.7 | 14.7 | less-open | 52 | 151 | 138 | 48 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.5 | 0.5 | -- | -- | -- | -- | -- |
| MW-32 | 88 | 64.1 | 14.2 | less-open | 43 | 137 | 124 | 34 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.4 | 0.4 | -- | -- | -- | -- | -- |
| MW-32 | 89 | 64.3 | 14.0 | less-open | 40 | 146 | 133 | 43 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-32 | 90 | 64.9 | 13.5 | less-open | 43 | 151 | 138 | 48 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.6 | 0.6 | -- | -- | -- | -- | -- |
| MW-32 | 91 | 65.0 | 13.4 | less-open | 53 | 130 | 117 | 27 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-32 | 92 | 65.4 | 12.9 | less-open | 46 | 144 | 131 | 41 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.5 | 0.5 | -- | -- | -- | -- | -- |
| MW-32 | 93 | 65.6 | 12.7 | less-open | 47 | 104 | 91 | 1 | 3 | E | 70-115 | 45 | TNP | TNP | 0.2 | -- | -- | 2.8 | -- | -- | -- |
| MW-32 | 94 | 65.8 | 12.5 | less-open | 69 | 272 | 259 | 169 | 4 | W | 245-290 | 45 | TNP | TNP | 0.2 | -- | -- | -- | 2.8 | -- | -- |
| MW-32 | 95 | 67.9 | 10.4 | less-open | 49 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | TNP | TNP | 2.1 | 2.5 | -- | -- | -- | -- | -- |
| MW-32 | 96 | 68.3 | 10.0 | less-open | 50 | 127 | 114 | 24 | 3 | E | 70-115 | 45 | TNP | TNP | 0.5 | -- | -- | 2.7 | -- | -- | -- |
| MW-32 | 97 | 68.8 | 9.6 | less-open | 51 | 137 | 124 | 34 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.4 | 0.9 | -- | -- | -- | -- | -- |
| MW-32 | 98 | 68.9 | 9.5 | less-open | 60 | 327 | 314 | 224 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.1 | -- | 8.7 | -- | -- | -- | -- |
| MW-32 | 99 | 69.2 | 9.2 | less-open | 54 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.3 | 0.4 | -- | -- | -- | -- | -- |
| MW-32 | 100 | 70.0 | 8.3 | less-open | 40 | 333 | 320 | 230 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.8 | -- | 1.1 | -- | -- | -- | -- |
| MW-32 | 101 | 70.3 | 8.1 | less-open | 54 | 133 | 120 | 30 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.3 | 1.1 | -- | -- | -- | -- | -- |
| MW-32 | 102 | 70.4 | 7.9 | less-open | 55 | 129 | 116 | 26 | 1 | SE | 116-165 | 49 | 7.1E-06 | 2.0E-02 | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-32 | 103 | 70.9 | 7.5 | less-open | 51 | 133 | 120 | 30 | 1 | SE | 116-165 | 49 | 7.1E-06 | 2.0E-02 | 0.4 | 0.4 | -- | -- | -- | -- | -- |
| MW-32 | 104 | 71.1 | 7.3 | less-open | 60 | 124 | 111 | 21 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.2 | -- | -- | 2.7 | -- | -- | -- |
| MW-32 | 105 | 71.6 | 6.7 | less-open | 45 | 131 | 118 | 28 | 1 | SE | 116-165 | 49 | 7.1E-06 | 2.0E-02 | 0.5 | 0.8 | -- | -- | -- | -- | -- |
| MW-32 | 106 | 71.9 | 6.5 | less-open | 53 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.3 | -- | -- | 0.8 | -- | -- | -- |
| MW-32 | 107 | 72.4 | 5.9 | less-open | 50 | 139 | 126 | 36 | 1 | SE | 116-165 | 49 | 7.1E-06 | 2.0E-02 | 0.6 | 0.8 | -- | -- | -- | -- | -- |
| MW-32 | 108 | 72.6 | 5.7 | less-open | 45 | 129 | 116 | 26 | 1 | SE | 116-165 | 49 | 7.1E-06 | 2.0E-02 | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-32 | 109 | 72.8 | 5.5 | less-open | 42 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | 7.1E-06 | 2.0E-02 | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-32 | 110 | 72.9 | 5.4 | less-open | 45 | 131 | 118 | 28 | 1 | SE | 116-165 | 49 | 7.1E-06 | 2.0E-02 | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-32 | 111 | 73.1 | 5.2 | less-open | 59 | 312 | 299 | 209 | 2 | NW | 291-335 | 44 | 7.1E-06 | 2.0E-02 | 0.2 | -- | 3.1 | -- | -- | -- | -- |
| MW-32 | 112 | 73.4 | 4.9 | less-open | 40 | 133 | 120 | 30 | 1 | SE | 116-165 | 49 | 7.1E-06 | 2.0E-02 | 0.3 | 0.5 | -- | -- | -- | -- | -- |
| MW-32 | 113 | 74.3 | 4.0 | less-open | 50 | 137 | 124 | 34 | 1 | SE | 116-165 | 49 | 7.1E-06 | 2.0E-02 | 0.9 | 0.9 | -- | -- | -- | -- | -- |
| MW-32 | 114 | 74.6 | 3.8 | less-open | 48 | 309 | 296 | 206 | 2 | NW | 291-335 | 44 | 7.1E-06 | 2.0E-02 | 0.3 | -- | 1.5 | -- | -- | -- | -- |
| MW-32 | 115 | 74.9 | 3.4 | less-open | 42 | 130 | 117 | 27 | 1 | SE | 116-165 | 49 | 7.1E-06 | 2.0E-02 | 0.3 | 0.6 | -- | -- | -- | -- | -- |
| MW-32 | 116 | 76.0 | 2.4 | less-open | 44 | 139 | 126 | 36 | 1 | SE | 116-165 | 49 | 7.1E-06 | 2.0E-02 | 1.1 | 1.1 | -- | -- | -- | -- | -- |
| MW-32 | 117 | 76.0 | 2.3 | less-open | 50 | 337 | 324 | 234 | 2 | NW | 291-335 | 44 | 7.1E-06 | 2.0E-02 | 0.0 | -- | 1.5 | -- | -- | -- | -- |
| MW-32 | 118 | 76.9 | 1.5 | less-open | 49 | 320 | 307 | 217 | 2 | NW | 291-335 | 44 | 7.1E-06 | 2.0E-02 | 0.8 | -- | 0.8 | -- | -- | -- | -- |
| MW-32 | 119 | 77.0 | 1.4 | less-open | 37 | 149 | 136 | 46 | 1 | SE | 116-165 | 49 | 7.1E-06 | 2.0E-02 | 0.1 | 1.0 | -- | -- | -- | -- | -- |
| MW-32 | 120 | 77.5 | 0.9 | less-open | 27 | 189 | 176 | 86 | NSR | NSR | NSR | NSR | 7.1E-06 | 2.0E-02 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-32 | 121 | 77.8 | 0.6 | less-open | 54 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.3 | -- | -- | 5.9 | -- | -- | -- |
| MW-32 | 122 | 78.0 | 0.4 | less-open | 44 | 143 | 130 | 40 | 1 | SE | 116-165 | 49 | 7.1E-06 | 2.0E-02 | 0.2 | 1.0 | -- | -- | -- | -- | -- |
| MW-32 | 123 | 78.2 | 0.1 | less-open | 47 | 5 | 352 | 262 | 6 | N | 336-21 | 45 | 7.1E-06 | 2.0E-02 | 0.2 | -- | -- | -- | -- | -- | 15.7 |
| MW-32 | 124 | 78.2 | 0.1 | less-open | 40 | 136 | 123 | 33 | 1 | SE | 116-165 | 49 | 7.1E-06 | 2.0E-02 | 0.0 | 0.3 | -- | -- | -- | -- | -- |
| MW-32 | 125 | 78.6 | -0.3 | less-open | 37 | 144 | 131 | 41 | 1 | SE | 116-165 | 49 | 7.1E-06 | 2.0E-02 | 0.4 | 0.4 | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-32 | 126 | 79.7 | -1.3 | less-open | 37 | 152 | 139 | 49 | 1 | SE | 116-165 | 49 | 7.1E-06 | 2.0E-02 | 1.1 | 1.1 | -- | -- | -- | -- | -- |
| MW-32 | 127 | 80.1 | -1.7 | less-open | 55 | 141 | 128 | 38 | 1 | SE | 116-165 | 49 | 7.1E-06 | 2.0E-02 | 0.4 | 0.4 | -- | -- | -- | -- | -- |
| MW-32 | 128 | 80.5 | -2.1 | less-open | 77 | 300 | 287 | 197 | 4 | W | 245-290 | 45 | 1.1E-04 | 3.0E-01 | 0.4 | -- | -- | -- | 14.7 | -- | -- |
| MW-32 | 129 | 81.1 | -2.8 | less-open | 76 | 291 | 278 | 188 | 4 | W | 245-290 | 45 | 1.1E-04 | 3.0E-01 | 0.6 | -- | -- | -- | 0.6 | -- | -- |
| MW-32 | 130 | 81.4 | -3.0 | less-open | 26 | 191 | 178 | 88 | NSR | NSR | NSR | NSR | 1.1E-04 | 3.0E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-32 | 131 | 81.9 | -3.6 | less-open | 34 | 270 | 257 | 167 | 4 | W | 245-290 | 45 | 1.1E-04 | 3.0E-01 | 0.6 | -- | -- | -- | 0.8 | -- | -- |
| MW-32 | 132 | 82.2 | -3.8 | less-open | 40 | 159 | 146 | 56 | 1 | SE | 116-165 | 49 | 1.1E-04 | 3.0E-01 | 0.2 | 2.1 | -- | -- | -- | -- | -- |
| MW-32 | 133 | 82.4 | -4.1 | less-open | 65 | 280 | 267 | 177 | 4 | W | 245-290 | 45 | 1.1E-04 | 3.0E-01 | 0.3 | -- | -- | -- | 0.5 | -- | -- |
| MW-32 | 134 | 83.4 | -5.1 | less-open | 39 | 262 | 249 | 159 | 4 | W | 245-290 | 45 | 1.1E-04 | 3.0E-01 | 1.0 | -- | -- | -- | 1.0 | -- | -- |
| MW-32 | 135 | 83.9 | -5.6 | less-open | 71 | 280 | 267 | 177 | 4 | W | 245-290 | 45 | 1.1E-04 | 3.0E-01 | 0.5 | -- | -- | -- | 0.5 | -- | -- |
| MW-32 | 136 | 84.0 | -5.6 | less-open | 70 | 273 | 260 | 170 | 4 | W | 245-290 | 45 | 1.1E-04 | 3.0E-01 | 0.1 | -- | -- | -- | 0.1 | -- | -- |
| MW-32 | 137 | 84.6 | -6.2 | less-open | 63 | 303 | 290 | 200 | 4 | W | 245-290 | 45 | 1.1E-04 | 3.0E-01 | 0.6 | -- | -- | -- | 0.6 | -- | -- |
| MW-32 | 138 | 84.7 | -6.4 | less-open | 65 | 266 | 253 | 163 | 4 | W | 245-290 | 45 | 1.1E-04 | 3.0E-01 | 0.1 | -- | -- | -- | 0.1 | -- | -- |
| MW-32 | 139 | 85.6 | -7.2 | less-open | 64 | 293 | 280 | 190 | 4 | W | 245-290 | 45 | 1.1E-04 | 3.0E-01 | 0.9 | -- | -- | -- | 0.9 | -- | -- |
| MW-32 | 140 | 85.8 | -7.5 | less-open | 61 | 289 | 276 | 186 | 4 | W | 245-290 | 45 | 1.1E-04 | 3.0E-01 | 0.2 | -- | -- | -- | 0.2 | -- | -- |
| MW-32 | 141 | 86.1 | -7.8 | less-open | 53 | 310 | 297 | 207 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.3 | -- | 9.3 | -- | -- | -- | -- |
| MW-32 | 142 | 86.3 | -7.9 | less-open | 54 | 281 | 268 | 178 | 4 | W | 245-290 | 45 | 1.1E-04 | 3.0E-01 | 0.1 | -- | -- | -- | 0.5 | -- | -- |
| MW-32 | 143 | 86.7 | -8.4 | less-open | 58 | 290 | 277 | 187 | 4 | W | 245-290 | 45 | 1.1E-04 | 3.0E-01 | 0.5 | -- | -- | -- | 0.5 | -- | -- |
| MW-32 | 144 | 87.0 | -8.7 | less-open | 43 | 329 | 316 | 226 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.3 | -- | 0.9 | -- | -- | -- | -- |
| MW-32 | 145 | 87.0 | -8.7 | less-open | 47 | 141 | 128 | 38 | 1 | SE | 116-165 | 49 | 1.1E-04 | 3.0E-01 | 0.0 | 4.8 | -- | -- | -- | -- | -- |
| MW-32 | 146 | 87.3 | -8.9 | less-open | 42 | 166 | 153 | 63 | 1 | SE | 116-165 | 49 | 1.1E-04 | 3.0E-01 | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-32 | 147 | 87.8 | -9.4 | less-open | 50 | 310 | 297 | 207 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.5 | -- | 0.8 | -- | -- | -- | -- |
| MW-32 | 148 | 87.8 | -9.5 | less-open | 61 | 278 | 265 | 175 | 4 | W | 245-290 | 45 | 1.1E-04 | 3.0E-01 | 0.0 | -- | -- | -- | 1.1 | -- | -- |
| MW-32 | 149 | 88.6 | -10.3 | less-open | 55 | 274 | 261 | 171 | 4 | W | 245-290 | 45 | 1.1E-04 | 3.0E-01 | 0.8 | -- | -- | -- | 0.8 | -- | -- |
| MW-32 | 150 | 88.8 | -10.5 | less-open | 62 | 170 | 157 | 67 | 1 | SE | 116-165 | 49 | 1.1E-04 | 3.0E-01 | 0.2 | 1.5 | -- | -- | -- | -- | -- |
| MW-32 | 151 | 88.9 | -10.5 | less-open | 59 | 271 | 258 | 168 | 4 | W | 245-290 | 45 | 1.1E-04 | 3.0E-01 | 0.0 | -- | -- | -- | 0.3 | -- | -- |
| MW-32 | 152 | 89.6 | -11.3 | less-open | 47 | 171 | 158 | 68 | 1 | SE | 116-165 | 49 | 1.1E-04 | 3.0E-01 | 0.8 | 0.8 | -- | -- | -- | -- | -- |
| MW-32 | 153 | 89.9 | -11.6 | less-open | 58 | 304 | 291 | 201 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.3 | -- | 2.1 | -- | -- | -- | -- |
| MW-32 | 154 | 90.4 | -12.1 | less-open | 57 | 296 | 283 | 193 | 4 | W | 245-290 | 45 | TNP | TNP | 0.5 | -- | -- | -- | 1.5 | -- | -- |
| MW-32 | 155 | 90.7 | -12.4 | less-open | 57 | 44 | 31 | 301 | NSR | NSR | NSR | NSR | TNP | TNP | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-32 | 156 | 91.2 | -12.8 | less-open | 53 | 288 | 275 | 185 | 4 | W | 245-290 | 45 | TNP | TNP | 0.5 | -- | -- | -- | 0.8 | -- | -- |
| MW-32 | 157 | 91.7 | -13.4 | less-open | 55 | 292 | 279 | 189 | 4 | W | 245-290 | 45 | TNP | TNP | 0.6 | -- | -- | -- | 0.6 | -- | -- |
| MW-32 | 158 | 92.4 | -14.0 | less-open | 47 | 274 | 261 | 171 | 4 | W | 245-290 | 45 | TNP | TNP | 0.6 | -- | -- | -- | 0.6 | -- | -- |
| MW-32 | 159 | 92.8 | -14.5 | less-open | 45 | 6 | 353 | 263 | 6 | N | 336-21 | 45 | TNP | TNP | 0.5 | -- | -- | -- | -- | -- | 14.6 |
| MW-32 | 160 | 93.0 | -14.6 | less-open | 52 | 294 | 281 | 191 | 4 | W | 245-290 | 45 | TNP | TNP | 0.1 | -- | -- | -- | 0.6 | -- | -- |
| MW-32 | 161 | 93.9 | -15.6 | less-open | 67 | 130 | 117 | 27 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.9 | 4.3 | -- | -- | -- | -- | -- |
| MW-32 | 162 | 94.7 | -16.3 | less-open | 44 | 188 | 175 | 85 | 5 | S | 166-200 | 34 | TNP | TNP | 0.8 | -- | -- | -- | -- | 45.7 | -- |
| MW-32 | 163 | 94.8 | -16.5 | less-open | 42 | 163 | 150 | 60 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.1 | 0.9 | -- | -- | -- | -- | -- |
| MW-32 | 164 | 95.6 | -17.3 | less-open | 24 | 356 | 343 | 253 | NSR | NSR | NSR | NSR | TNP | TNP | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-32 | 165 | 95.8 | -17.5 | less-open | 37 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | TNP | TNP | 0.2 | -- | -- | 18.0 | -- | -- | -- |
| MW-32 | 166 | 96.3 | -18.0 | less-open | 39 | 174 | 161 | 71 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.5 | 1.5 | -- | -- | -- | -- | -- |
| MW-32 | 167 | 96.5 | -18.2 | less-open | 32 | 356 | 343 | 253 | NSR | NSR | NSR | NSR | TNP | TNP | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-32 | 168 | 96.8 | -18.5 | less-open | 64 | 122 | 109 | 19 | 3 | E | 70-115 | 45 | TNP | TNP | 0.3 | -- | -- | 1.0 | -- | -- | -- |
| MW-32 | 169 | 97.6 | -19.2 | less-open | 49 | 166 | 153 | 63 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.8 | 1.3 | -- | -- | -- | -- | -- |
| MW-32 | 170 | 98.2 | -19.9 | less-open | 60 | 327 | 314 | 224 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.6 | -- | 8.3 | -- | -- | -- | -- |
| MW-32 | 171 | 98.4 | -20.0 | less-open | 56 | 330 | 317 | 227 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-32 | 172 | 98.5 | -20.1 | less-open | 39 | 156 | 143 | 53 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.1 | 0.9 | -- | -- | -- | -- | -- |
| MW-32 | 173 | 98.8 | -20.5 | less-open | 36 | 196 | 183 | 93 | 5 | S | 166-200 | 34 | TNP | TNP | 0.3 | -- | -- | -- | -- | 4.1 | -- |
| MW-32 | 174 | 98.9 | -20.6 | less-open | 52 | 338 | 325 | 235 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.1 | -- | 0.5 | -- | -- | -- | -- |
| MW-32 | 175 | 99.8 | -21.5 | less-open | 36 | 360 | 347 | 257 | 6 | N | 336-21 | 45 | TNP | TNP | 0.9 | -- | -- | -- | -- | -- | 7.0 |
| MW-32 | 176 | 100.0 | -21.7 | less-open | 37 | 152 | 139 | 49 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.2 | 1.5 | -- | -- | -- | -- | -- |
| MW-32 | 177 | 100.1 | -21.7 | less-open | 42 | 156 | 143 | 53 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-32 | 178 | 100.5 | -22.2 | less-open | 54 | 151 | 138 | 48 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.4 | 0.4 | -- | -- | -- | -- | -- |
| MW-32 | 179 | 100.9 | -22.6 | less-open | 45 | 149 | 136 | 46 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.4 | 0.4 | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-32 | 180 | 101.8 | -23.5 | less-open | 49 | 169 | 156 | 66 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.9 | 0.9 | -- | -- | -- | -- | -- |
| MW-32 | 181 | 102.0 | -23.7 | less-open | 50 | 162 | 149 | 59 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-32 | 182 | 102.7 | -24.3 | less-open | 82 | 117 | 104 | 14 | NSR | NSR | NSR | NSR | TNP | TNP | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-32 | 183 | 102.8 | -24.5 | less-open | 42 | 124 | 111 | 21 | 3 | E | 70-115 | 45 | TNP | TNP | 0.1 | -- | -- | 6.0 | -- | -- | -- |
| MW-32 | 184 | 103.8 | -25.4 | less-open | 45 | 156 | 143 | 53 | 1 | SE | 116-165 | 49 | TNP | TNP | 1.0 | 1.8 | -- | -- | -- | -- | -- |
| MW-32 | 185 | 104.0 | -25.7 | less-open | 48 | 159 | 146 | 56 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-32 | 186 | 104.7 | -26.3 | less-open | 66 | 348 | 335 | 245 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.6 | -- | 5.8 | -- | -- | -- | -- |
| MW-32 | 187 | 105.1 | -26.8 | less-open | 51 | 325 | 312 | 222 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.4 | -- | 0.4 | -- | -- | -- | -- |
| MW-32 | 188 | 105.3 | -27.0 | less-open | 39 | 141 | 128 | 38 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.2 | 1.3 | -- | -- | -- | -- | -- |
| MW-32 | 189 | 106.0 | -27.6 | less-open | 80 | 183 | 170 | 80 | 5 | S | 166-200 | 34 | TNP | TNP | 0.7 | -- | -- | -- | -- | 7.2 | -- |
| MW-32 | 190 | 106.1 | -27.7 | less-open | 79 | 180 | 167 | 77 | 5 | S | 166-200 | 34 | TNP | TNP | 0.1 | -- | -- | -- | -- | 0.1 | -- |
| MW-32 | 191 | 106.6 | -28.3 | less-open | 40 | 155 | 142 | 52 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.5 | 1.3 | -- | -- | -- | -- | -- |
| MW-32 | 192 | 106.8 | -28.5 | less-open | 61 | 346 | 333 | 243 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.2 | -- | 1.7 | -- | -- | -- | -- |
| MW-32 | 193 | 107.4 | -29.0 | less-open | 36 | 138 | 125 | 35 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.6 | 0.8 | -- | -- | -- | -- | -- |
| MW-32 | 194 | 107.4 | -29.0 | less-open | 64 | 321 | 308 | 218 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.0 | -- | 0.6 | -- | -- | -- | -- |
| MW-32 | 195 | 107.9 | -29.6 | less-open | 40 | 150 | 137 | 47 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.5 | 0.5 | -- | -- | -- | -- | -- |
| MW-32 | 196 | 108.3 | -30.0 | less-open | 42 | 161 | 148 | 58 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.4 | 0.4 | -- | -- | -- | -- | -- |
| MW-32 | 197 | 108.6 | -30.3 | less-open | 36 | 148 | 135 | 45 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-32 | 198 | 109.1 | -30.7 | less-open | 39 | 130 | 117 | 27 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.4 | 0.4 | -- | -- | -- | -- | -- |
| MW-32 | 199 | 109.5 | -31.2 | less-open | 52 | 131 | 118 | 28 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.4 | 0.4 | -- | -- | -- | -- | -- |
| MW-32 | 200 | 109.8 | -31.4 | less-open | 57 | 343 | 330 | 240 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.3 | -- | 2.4 | -- | -- | -- | -- |
| MW-32 | 201 | 110.1 | -31.7 | less-open | 36 | 165 | 152 | 62 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.3 | 0.6 | -- | -- | -- | -- | -- |
| MW-32 | 202 | 110.1 | -31.7 | less-open | 66 | 118 | 105 | 15 | 3 | E | 70-115 | 45 | TNP | TNP | 0.0 | -- | -- | 7.3 | -- | -- | -- |
| MW-32 | 203 | 110.2 | -31.8 | less-open | 47 | 127 | 114 | 24 | 3 | E | 70-115 | 45 | TNP | TNP | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-32 | 204 | 110.9 | -32.6 | less-open | 64 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.8 | 0.9 | -- | -- | -- | -- | -- |
| MW-32 | 205 | 111.1 | -32.8 | less-open | 78 | 118 | 105 | 15 | 3 | E | 70-115 | 45 | TNP | TNP | 0.2 | -- | -- | 0.9 | -- | -- | -- |
| MW-32 | 206 | 111.8 | -33.4 | less-open | 45 | 304 | 291 | 201 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.7 | -- | 2.0 | -- | -- | -- | -- |
| MW-32 | 207 | 112.1 | -33.7 | less-open | 61 | 118 | 105 | 15 | 3 | E | 70-115 | 45 | TNP | TNP | 0.3 | -- | -- | 1.0 | -- | -- | -- |
| MW-32 | 208 | 112.3 | -34.0 | less-open | 61 | 128 | 115 | 25 | 3 | E | 70-115 | 45 | TNP | TNP | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-32 | 209 | 112.5 | -34.1 | less-open | 45 | 143 | 130 | 40 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.2 | 1.5 | -- | -- | -- | -- | -- |
| MW-32 | 210 | 112.5 | -34.2 | less-open | 63 | 269 | 256 | 166 | 4 | W | 245-290 | 45 | TNP | TNP | 0.0 | -- | -- | -- | 19.6 | -- | -- |
| MW-32 | 211 | 113.2 | -34.8 | less-open | 70 | 254 | 241 | 151 | NSR | NSR | NSR | NSR | TNP | TNP | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-32 | 212 | 113.2 | -34.9 | less-open | 39 | 161 | 148 | 58 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.1 | 0.7 | -- | -- | -- | -- | -- |
| MW-32 | 213 | 113.2 | -34.9 | less-open | 68 | 278 | 265 | 175 | 4 | W | 245-290 | 45 | TNP | TNP | 0.0 | -- | -- | -- | 0.7 | -- | -- |
| MW-32 | 214 | 113.7 | -35.3 | less-open | 67 | 275 | 262 | 172 | 4 | W | 245-290 | 45 | TNP | TNP | 0.5 | -- | -- | -- | 0.5 | -- | -- |
| MW-32 | 215 | 114.1 | -35.8 | less-open | 47 | 130 | 117 | 27 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.5 | 0.9 | -- | -- | -- | -- | -- |
| MW-32 | 216 | 114.5 | -36.2 | less-open | 46 | 144 | 131 | 41 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.4 | 0.4 | -- | -- | -- | -- | -- |
| MW-32 | 217 | 114.9 | -36.5 | less-open | 56 | 262 | 249 | 159 | 4 | W | 245-290 | 45 | TNP | TNP | 0.3 | -- | -- | -- | 1.2 | -- | -- |
| MW-32 | 218 | 115.2 | -36.9 | less-open | 65 | 260 | 247 | 157 | 4 | W | 245-290 | 45 | TNP | TNP | 0.4 | -- | -- | -- | 0.4 | -- | -- |
| MW-32 | 219 | 115.6 | -37.2 | less-open | 46 | 153 | 140 | 50 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.4 | 1.0 | -- | -- | -- | -- | -- |
| MW-32 | 220 | 116.8 | -38.4 | less-open | 45 | 161 | 148 | 58 | 1 | SE | 116-165 | 49 | TNP | TNP | 1.2 | 1.2 | -- | -- | -- | -- | -- |
| MW-32 | 221 | 117.6 | -39.2 | less-open | 48 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.8 | -- | -- | 5.2 | -- | -- | -- |
| MW-32 | 222 | 118.2 | -39.8 | less-open | 62 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-32 | 223 | 119.2 | -40.9 | less-open | 48 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | 1.1E-04 | 3.0E-01 | 1.1 | 2.5 | -- | -- | -- | -- | -- |
| MW-32 | 224 | 119.4 | -41.1 | less-open | 59 | 339 | 326 | 236 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.2 | -- | 7.6 | -- | -- | -- | -- |
| MW-32 | 225 | 119.6 | -41.3 | less-open | 39 | 152 | 139 | 49 | 1 | SE | 116-165 | 49 | 1.1E-04 | 3.0E-01 | 0.2 | 0.4 | -- | -- | -- | -- | -- |
| MW-32 | 226 | 119.9 | -41.5 | less-open | 41 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | 1.1E-04 | 3.0E-01 | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-32 | 227 | 120.1 | -41.8 | less-open | 36 | 136 | 123 | 33 | 1 | SE | 116-165 | 49 | 1.1E-04 | 3.0E-01 | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-32 | 228 | 120.2 | -41.8 | less-open | 74 | 278 | 265 | 175 | 4 | W | 245-290 | 45 | 1.1E-04 | 3.0E-01 | 0.1 | -- | -- | -- | 5.0 | -- | -- |
| MW-32 | 229 | 120.6 | -42.3 | less-open | 35 | 158 | 145 | 55 | 1 | SE | 116-165 | 49 | 1.1E-04 | 3.0E-01 | 0.4 | 0.5 | -- | -- | -- | -- | -- |
| MW-32 | 230 | 121.3 | -42.9 | less-open | 70 | 101 | 88 | 358 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.7 | -- | -- | 3.1 | -- | -- | -- |
| MW-32 | 231 | 121.7 | -43.4 | less-open | 55 | 293 | 280 | 190 | 4 | W | 245-290 | 45 | 1.1E-04 | 3.0E-01 | 0.4 | -- | -- | -- | 1.5 | -- | -- |
| MW-32 | 232 | 122.0 | -43.7 | less-open | 61 | 113 | 100 | 10 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.3 | -- | -- | 0.8 | -- | -- | -- |
| MW-32 | 233 | 122.1 | -43.8 | less-open | 58 | 334 | 321 | 231 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.1 | -- | 2.7 | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-32 | 234 | 122.2 | -43.8 | less-open | 60 | 119 | 106 | 16 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.1 | -- | -- | 0.2 | -- | -- | -- |
| MW-32 | 235 | 122.4 | -44.1 | less-open | 60 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-32 | 236 | 123.1 | -44.7 | less-open | 40 | 128 | 115 | 25 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-32 | 237 | 123.3 | -44.9 | less-open | 59 | 110 | 97 | 7 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-32 | 238 | 123.4 | -45.1 | less-open | 65 | 296 | 283 | 193 | 4 | W | 245-290 | 45 | 1.1E-04 | 3.0E-01 | 0.1 | -- | -- | -- | 1.7 | -- | -- |
| MW-32 | 239 | 123.5 | -45.2 | less-open | 44 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | 1.1E-04 | 3.0E-01 | 0.1 | 2.9 | -- | -- | -- | -- | -- |
| MW-32 | 240 | 124.0 | -45.7 | less-open | 66 | 286 | 273 | 183 | 4 | W | 245-290 | 45 | 1.1E-04 | 3.0E-01 | 0.5 | -- | -- | -- | 0.6 | -- | -- |
| MW-32 | 241 | 124.2 | -45.8 | less-open | 47 | 131 | 118 | 28 | 1 | SE | 116-165 | 49 | 1.1E-04 | 3.0E-01 | 0.1 | 0.6 | -- | -- | -- | -- | -- |
| MW-32 | 242 | 124.6 | -46.3 | less-open | 49 | 124 | 111 | 21 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.4 | -- | -- | 1.3 | -- | -- | -- |
| MW-32 | 243 | 125.3 | -47.0 | less-open | 39 | 166 | 153 | 63 | 1 | SE | 116-165 | 49 | 1.1E-04 | 3.0E-01 | 0.7 | 1.2 | -- | -- | -- | -- | -- |
| MW-32 | 244 | 125.7 | -47.4 | less-open | 55 | 143 | 130 | 40 | 1 | SE | 116-165 | 49 | 1.1E-04 | 3.0E-01 | 0.4 | 0.4 | -- | -- | -- | -- | -- |
| MW-32 | 245 | 125.8 | -47.4 | less-open | 53 | 351 | 338 | 248 | 6 | N | 336-21 | 45 | 1.1E-04 | 3.0E-01 | 0.1 | -- | -- | -- | -- | -- | 26.0 |
| MW-32 | 246 | 126.4 | -48.1 | less-open | 55 | 5 | 352 | 262 | 6 | N | 336-21 | 45 | 1.1E-04 | 3.0E-01 | 0.6 | -- | -- | -- | -- | -- | 0.6 |
| MW-32 | 247 | 126.5 | -48.1 | less-open | 55 | 118 | 105 | 15 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.0 | -- | -- | 1.9 | -- | -- | -- |
| MW-32 | 248 | 126.9 | -48.5 | less-open | 57 | 128 | 115 | 25 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-32 | 249 | 127.4 | -49.1 | less-open | 62 | 338 | 325 | 235 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.5 | -- | 5.3 | -- | -- | -- | -- |
| MW-32 | 250 | 127.5 | -49.2 | less-open | 54 | 141 | 128 | 38 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.1 | 1.8 | -- | -- | -- | -- | -- |
| MW-32 | 251 | 127.9 | -49.6 | less-open | 59 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | TNP | TNP | 0.4 | -- | -- | 1.1 | -- | -- | -- |
| MW-32 | 252 | 128.5 | -50.1 | less-open | 60 | 137 | 124 | 34 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.5 | 0.9 | -- | -- | -- | -- | -- |
| MW-32 | 253 | 129.0 | -50.7 | less-open | 60 | 114 | 101 | 11 | 3 | E | 70-115 | 45 | TNP | TNP | 0.5 | -- | -- | 1.1 | -- | -- | -- |
| MW-32 | 254 | 129.1 | -50.7 | less-open | 51 | 347 | 334 | 244 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.1 | -- | 1.7 | -- | -- | -- | -- |
| MW-32 | 255 | 129.7 | -51.4 | less-open | 58 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | TNP | TNP | 0.7 | -- | -- | 0.7 | -- | -- | -- |
| MW-32 | 256 | 129.7 | -51.4 | less-open | 52 | 322 | 309 | 219 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.0 | -- | 0.7 | -- | -- | -- | -- |
| MW-32 | 257 | 130.2 | -51.8 | less-open | 58 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | TNP | TNP | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-32 | 258 | 130.4 | -52.1 | less-open | 54 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | TNP | TNP | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-32 | 259 | 130.5 | -52.2 | less-open | 54 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | TNP | TNP | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-32 | 260 | 130.8 | -52.5 | less-open | 57 | 110 | 97 | 7 | 3 | E | 70-115 | 45 | TNP | TNP | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-32 | 261 | 132.0 | -53.6 | less-open | 57 | 119 | 106 | 16 | 3 | E | 70-115 | 45 | 3.5E-04 | 1.0E+00 | 1.1 | -- | -- | 1.1 | -- | -- | -- |
| MW-32 | 262 | 132.8 | -54.4 | less-open | 55 | 120 | 107 | 17 | 3 | E | 70-115 | 45 | 3.5E-04 | 1.0E+00 | 0.8 | -- | -- | 0.8 | -- | -- | -- |
| MW-32 | 263 | 132.9 | -54.5 | less-open | 56 | 232 | 219 | 129 | NSR | NSR | NSR | NSR | 3.5E-04 | 1.0E+00 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-32 | 264 | 133.1 | -54.8 | less-open | 52 | 132 | 119 | 29 | 1 | SE | 116-165 | 49 | 3.5E-04 | 1.0E+00 | 0.2 | 4.6 | -- | -- | -- | -- | -- |
| MW-32 | 265 | 133.2 | -54.9 | less-open | 58 | 342 | 329 | 239 | 2 | NW | 291-335 | 44 | 3.5E-04 | 1.0E+00 | 0.1 | -- | 3.5 | -- | -- | -- | -- |
| MW-32 | 266 | 134.1 | -55.7 | less-open | 40 | 305 | 292 | 202 | 2 | NW | 291-335 | 44 | 3.5E-04 | 1.0E+00 | 0.9 | -- | 0.9 | -- | -- | -- | -- |
| MW-32 | 267 | 134.2 | -55.9 | less-open | 73 | 118 | 105 | 15 | 3 | E | 70-115 | 45 | 3.5E-04 | 1.0E+00 | 0.2 | -- | -- | 1.5 | -- | -- | -- |
| MW-32 | 268 | 134.6 | -56.3 | less-open | 63 | 287 | 274 | 184 | 4 | W | 245-290 | 45 | 3.5E-04 | 1.0E+00 | 0.3 | -- | -- | -- | 10.6 | -- | -- |
| MW-32 | 269 | 134.8 | -56.5 | less-open | 49 | 153 | 140 | 50 | 1 | SE | 116-165 | 49 | 3.5E-04 | 1.0E+00 | 0.2 | 1.7 | -- | -- | -- | -- | -- |
| MW-32 | 270 | 135.3 | -56.9 | less-open | 49 | 140 | 127 | 37 | 1 | SE | 116-165 | 49 | 3.5E-04 | 1.0E+00 | 0.5 | 0.5 | -- | -- | -- | -- | -- |
| MW-32 | 271 | 135.5 | -57.2 | less-open | 51 | 127 | 114 | 24 | 3 | E | 70-115 | 45 | 3.5E-04 | 1.0E+00 | 0.2 | -- | -- | 1.3 | -- | -- | -- |
| MW-32 | 272 | 135.6 | -57.2 | less-open | 74 | 331 | 318 | 228 | 2 | NW | 291-335 | 44 | 3.5E-04 | 1.0E+00 | 0.0 | -- | 1.5 | -- | -- | -- | -- |
| MW-32 | 273 | 136.0 | -57.7 | less-open | 51 | 284 | 271 | 181 | 4 | W | 245-290 | 45 | 3.5E-04 | 1.0E+00 | 0.5 | -- | -- | -- | 1.4 | -- | -- |
| MW-32 | 274 | 136.3 | -57.9 | less-open | 47 | 297 | 284 | 194 | 4 | W | 245-290 | 45 | 3.5E-04 | 1.0E+00 | 0.2 | -- | -- | -- | 0.2 | -- | -- |
| MW-32 | 275 | 136.6 | -58.3 | less-open | 36 | 154 | 141 | 51 | 1 | SE | 116-165 | 49 | 3.5E-04 | 1.0E+00 | 0.4 | 1.3 | -- | -- | -- | -- | -- |
| MW-32 | 276 | 136.8 | -58.4 | less-open | 63 | 278 | 265 | 175 | 4 | W | 245-290 | 45 | 3.5E-04 | 1.0E+00 | 0.1 | -- | -- | -- | 0.5 | -- | -- |
| MW-32 | 277 | 136.8 | -58.5 | less-open | 45 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | 3.5E-04 | 1.0E+00 | 0.1 | -- | -- | 1.3 | -- | -- | -- |
| MW-32 | 278 | 137.1 | -58.8 | less-open | 54 | 300 | 287 | 197 | 4 | W | 245-290 | 45 | 3.5E-04 | 1.0E+00 | 0.3 | -- | -- | -- | 0.4 | -- | -- |
| MW-32 | 279 | 137.5 | -59.2 | less-open | 46 | 316 | 303 | 213 | 2 | NW | 291-335 | 44 | 3.5E-04 | 1.0E+00 | 0.4 | -- | 1.9 | -- | -- | -- | -- |
| MW-32 | 280 | 138.0 | -59.7 | less-open | 60 | 101 | 88 | 358 | 3 | E | 70-115 | 45 | 3.5E-04 | 1.0E+00 | 0.5 | -- | -- | 1.2 | -- | -- | -- |
| MW-32 | 281 | 138.6 | -60.3 | less-open | 53 | 126 | 113 | 23 | 3 | E | 70-115 | 45 | 3.5E-04 | 1.0E+00 | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-32 | 282 | 138.7 | -60.3 | less-open | 73 | 113 | 100 | 10 | 3 | E | 70-115 | 45 | 3.5E-04 | 1.0E+00 | 0.0 | -- | -- | 0.0 | -- | -- | -- |
| MW-32 | 283 | 139.3 | -60.9 | less-open | 64 | 320 | 307 | 217 | 2 | NW | 291-335 | 44 | 3.5E-04 | 1.0E+00 | 0.6 | -- | 1.8 | -- | -- | -- | -- |
| MW-32 | 284 | 139.5 | -61.1 | less-open | 57 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | 3.5E-04 | 1.0E+00 | 0.2 | -- | -- | 0.8 | -- | -- | -- |
| MW-32 | 285 | 139.7 | -61.3 | less-open | 57 | 289 | 276 | 186 | 4 | W | 245-290 | 45 | 3.5E-04 | 1.0E+00 | 0.2 | -- | -- | -- | 2.5 | -- | -- |
| MW-32 | 286 | 140.0 | -61.6 | less-open | 53 | 111 | 98 | 8 | 3 | E | 70-115 | 45 | 3.5E-04 | 1.0E+00 | 0.3 | -- | -- | 0.5 | -- | -- | -- |
| MW-32 | 287 | 140.4 | -62.1 | less-open | 63 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | 3.5E-04 | 1.0E+00 | 0.5 | -- | -- | 0.5 | -- | -- | -- |

**APPENDIX Q**
FRACTURE FLOW MODEL DATABASE
Indian Point
Buchanan, New York

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-32 | 288 | 140.6 | -62.3 | less-open | 81 | 293 | 280 | 190 | 4 | W | 245-290 | 45 | 3.5E-04 | 1.0E+00 | 0.2 | -- | -- | -- | 0.9 | -- | -- |
| MW-32 | 289 | 141.0 | -62.6 | less-open | 52 | 119 | 106 | 16 | 3 | E | 70-115 | 45 | 3.5E-04 | 1.0E+00 | 0.4 | -- | -- | 0.5 | -- | -- | -- |
| MW-32 | 290 | 141.2 | -62.9 | less-open | 46 | 104 | 91 | 1 | 3 | E | 70-115 | 45 | 3.5E-04 | 1.0E+00 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-32 | 291 | 141.5 | -63.1 | less-open | 53 | 87 | 74 | 344 | 3 | E | 70-115 | 45 | TNP | TNP | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-32 | 292 | 141.6 | -63.3 | less-open | 73 | 307 | 294 | 204 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.1 | -- | 2.3 | -- | -- | -- | -- |
| MW-32 | 293 | 141.7 | -63.3 | less-open | 58 | 94 | 81 | 351 | 3 | E | 70-115 | 45 | TNP | TNP | 0.1 | -- | -- | 0.2 | -- | -- | -- |
| MW-32 | 294 | 141.9 | -63.6 | less-open | 31 | 94 | 81 | 351 | NSR | NSR | NSR | NSR | TNP | TNP | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-32 | 295 | 142.1 | -63.8 | less-open | 57 | 93 | 80 | 350 | 3 | E | 70-115 | 45 | TNP | TNP | 0.2 | -- | -- | 0.4 | -- | -- | -- |
| MW-32 | 296 | 142.5 | -64.2 | less-open | 49 | 122 | 109 | 19 | 3 | E | 70-115 | 45 | TNP | TNP | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-32 | 297 | 143.1 | -64.8 | less-open | 63 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | TNP | TNP | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-32 | 298 | 143.6 | -65.3 | less-open | 73 | 119 | 106 | 16 | 3 | E | 70-115 | 45 | TNP | TNP | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-32 | 299 | 144.2 | -65.9 | less-open | 53 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | TNP | TNP | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-32 | 300 | 144.8 | -66.4 | less-open | 55 | 144 | 131 | 41 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.5 | 8.1 | -- | -- | -- | -- | -- |
| MW-32 | 301 | 144.8 | -66.5 | less-open | 55 | 128 | 115 | 25 | 3 | E | 70-115 | 45 | TNP | TNP | 0.1 | -- | -- | 0.6 | -- | -- | -- |
| MW-32 | 302 | 145.4 | -67.1 | less-open | 50 | 131 | 118 | 28 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.6 | 0.6 | -- | -- | -- | -- | -- |
| MW-32 | 303 | 145.4 | -67.1 | less-open | 72 | 355 | 342 | 252 | 6 | N | 336-21 | 45 | TNP | TNP | 0.0 | -- | -- | -- | -- | -- | 19.0 |
| MW-32 | 304 | 146.1 | -67.8 | less-open | 60 | 129 | 116 | 26 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.7 | 0.7 | -- | -- | -- | -- | -- |
| MW-32 | 305 | 146.2 | -67.9 | less-open | 44 | 148 | 135 | 45 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-32 | 306 | 147.4 | -69.0 | less-open | 53 | 302 | 289 | 199 | 4 | W | 245-290 | 45 | TNP | TNP | 1.2 | -- | -- | -- | 6.8 | -- | -- |
| MW-32 | 307 | 147.7 | -69.4 | less-open | 48 | 136 | 123 | 33 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.3 | 1.5 | -- | -- | -- | -- | -- |
| MW-32 | 308 | 148.3 | -69.9 | less-open | 50 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | TNP | TNP | 0.5 | -- | -- | 3.4 | -- | -- | -- |
| MW-32 | 309 | 148.7 | -70.4 | less-open | 45 | 167 | 154 | 64 | 1 | SE | 116-165 | 49 | 1.4E-04 | 4.0E-01 | 0.5 | 1.0 | -- | -- | -- | -- | -- |
| MW-32 | 310 | 149.0 | -70.7 | less-open | 48 | 126 | 113 | 23 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 0.3 | -- | -- | 0.8 | -- | -- | -- |
| MW-32 | 311 | 149.2 | -70.9 | less-open | 56 | 105 | 92 | 2 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-32 | 312 | 149.5 | -71.1 | less-open | 62 | 94 | 81 | 351 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-32 | 313 | 150.0 | -71.7 | less-open | 72 | 105 | 92 | 2 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-32 | 314 | 150.0 | -71.7 | less-open | 46 | 347 | 334 | 244 | 2 | NW | 291-335 | 44 | 1.4E-04 | 4.0E-01 | 0.0 | -- | 8.4 | -- | -- | -- | -- |
| MW-32 | 315 | 150.1 | -71.8 | less-open | 37 | 101 | 88 | 358 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-32 | 316 | 150.3 | -72.0 | less-open | 30 | 73 | 60 | 330 | NSR | NSR | NSR | NSR | 1.4E-04 | 4.0E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-32 | 317 | 151.1 | -72.8 | less-open | 29 | 163 | 150 | 60 | NSR | NSR | NSR | NSR | 1.4E-04 | 4.0E-01 | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-32 | 318 | 151.6 | -73.2 | less-open | 44 | 119 | 106 | 16 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 0.4 | -- | -- | 1.5 | -- | -- | -- |
| MW-32 | 319 | 151.9 | -73.5 | less-open | 58 | 128 | 115 | 25 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-32 | 320 | 152.4 | -74.1 | less-open | 11 | 64 | 51 | 321 | NSR | NSR | NSR | NSR | 1.4E-04 | 4.0E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-32 | 321 | 152.8 | -74.5 | less-open | 48 | 119 | 106 | 16 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 0.4 | -- | -- | 0.9 | -- | -- | -- |
| MW-32 | 322 | 153.2 | -74.9 | less-open | 52 | 114 | 101 | 11 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-32 | 323 | 153.6 | -75.2 | less-open | 43 | 124 | 111 | 21 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-32 | 324 | 153.8 | -75.5 | less-open | 77 | 100 | 87 | 357 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-32 | 325 | 155.0 | -76.7 | less-open | 32 | 351 | 338 | 248 | NSR | NSR | NSR | NSR | 1.4E-04 | 4.0E-01 | 1.2 | -- | -- | -- | -- | -- | -- |
| MW-32 | 326 | 155.7 | -77.4 | less-open | 25 | 17 | 4 | 274 | NSR | NSR | NSR | NSR | 1.4E-04 | 4.0E-01 | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-32 | 327 | 156.4 | -78.1 | less-open | 39 | 347 | 334 | 244 | 2 | NW | 291-335 | 44 | 1.4E-04 | 4.0E-01 | 0.7 | -- | 6.4 | -- | -- | -- | -- |
| MW-32 | 328 | 156.8 | -78.5 | less-open | 51 | 128 | 115 | 25 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 0.4 | -- | -- | 3.0 | -- | -- | -- |
| MW-32 | 329 | 157.4 | -79.1 | less-open | 50 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | 1.4E-04 | 4.0E-01 | 0.6 | 8.7 | -- | -- | -- | -- | -- |
| MW-32 | 330 | 157.8 | -79.5 | less-open | 16 | 338 | 325 | 235 | NSR | NSR | NSR | NSR | 1.4E-04 | 4.0E-01 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-32 | 331 | 158.5 | -80.2 | less-open | 47 | 118 | 105 | 15 | 3 | E | 70-115 | 45 | TNP | TNP | 0.7 | -- | -- | 1.7 | -- | -- | -- |
| MW-32 | 332 | 159.0 | -80.7 | less-open | 58 | 101 | 88 | 358 | 3 | E | 70-115 | 45 | TNP | TNP | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-32 | 333 | 160.2 | -81.9 | less-open | 58 | 87 | 74 | 344 | 3 | E | 70-115 | 45 | TNP | TNP | 1.2 | -- | -- | 1.2 | -- | -- | -- |
| MW-32 | 334 | 161.7 | -83.4 | less-open | 19 | 43 | 30 | 300 | NSR | NSR | NSR | NSR | TNP | TNP | 1.5 | -- | -- | -- | -- | -- | -- |
| MW-32 | 335 | 162.0 | -83.7 | less-open | 26 | 350 | 337 | 247 | NSR | NSR | NSR | NSR | TNP | TNP | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-32 | 336 | 163.2 | -84.8 | less-open | 42 | 304 | 291 | 201 | 2 | NW | 291-335 | 44 | TNP | TNP | 1.2 | -- | 6.8 | -- | -- | -- | -- |
| MW-32 | 337 | 163.4 | -85.0 | less-open | 47 | 318 | 305 | 215 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-32 | 338 | 164.4 | -86.0 | less-open | 77 | 310 | 297 | 207 | 2 | NW | 291-335 | 44 | TNP | TNP | 1.0 | -- | 1.0 | -- | -- | -- | -- |
| MW-32 | 339 | 165.1 | -86.8 | less-open | 47 | 342 | 329 | 239 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.8 | -- | 0.8 | -- | -- | -- | -- |
| MW-32 | 340 | 165.7 | -87.4 | less-open | 27 | 30 | 17 | 287 | NSR | NSR | NSR | NSR | TNP | TNP | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-32 | 341 | 166.1 | -87.7 | less-open | 44 | 128 | 115 | 25 | 3 | E | 70-115 | 45 | TNP | TNP | 0.4 | -- | -- | 5.8 | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | | ft/day | | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-32 | 342 | 167.0 | -88.7 | less-open | 68 | 94 | 81 | 351 | 3 | E | 70-115 | 45 | TNP | | TNP | | 0.9 | -- | -- | 0.9 | -- | -- | -- |
| MW-32 | 343 | 167.1 | -88.8 | less-open | 52 | 299 | 286 | 196 | 4 | W | 245-290 | 45 | TNP | | TNP | | 0.1 | -- | -- | -- | 19.8 | -- | -- |
| MW-32 | 344 | 167.2 | -88.9 | less-open | 51 | 104 | 91 | 1 | 3 | E | 70-115 | 45 | TNP | | TNP | | 0.1 | -- | -- | 0.2 | -- | -- | -- |
| MW-32 | 345 | 168.0 | -89.7 | less-open | 80 | 319 | 306 | 216 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 0.8 | -- | 2.9 | -- | -- | -- | -- |
| MW-32 | 346 | 168.6 | -90.3 | less-open | 67 | 103 | 90 | 0 | 3 | E | 70-115 | 45 | TNP | | TNP | | 0.6 | -- | -- | 1.4 | -- | -- | -- |
| MW-32 | 347 | 168.8 | -90.5 | less-open | 70 | 290 | 277 | 187 | 4 | W | 245-290 | 45 | TNP | | TNP | | 0.2 | -- | -- | -- | 1.7 | -- | -- |
| MW-32 | 348 | 168.9 | -90.6 | less-open | 38 | 132 | 119 | 29 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.1 | 11.5 | -- | -- | -- | -- | -- |
| MW-32 | 349 | 169.3 | -91.0 | less-open | 76 | 298 | 285 | 195 | 4 | W | 245-290 | 45 | TNP | | TNP | | 0.4 | -- | -- | -- | 0.5 | -- | -- |
| MW-32 | 350 | 169.5 | -91.1 | less-open | 32 | 3 | 350 | 260 | NSR | NSR | NSR | NSR | TNP | | TNP | | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-32 | 351 | 169.8 | -91.5 | less-open | 49 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | TNP | | TNP | | 0.4 | -- | -- | 1.2 | -- | -- | -- |
| MW-32 | 352 | 170.4 | -92.0 | less-open | 51 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | 3.9E-04 | | 1.1E+00 | | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-32 | 353 | 170.5 | -92.1 | less-open | 40 | 335 | 322 | 232 | 2 | NW | 291-335 | 44 | 3.9E-04 | | 1.1E+00 | | 0.1 | -- | 2.5 | -- | -- | -- | -- |
| MW-32 | 354 | 170.6 | -92.3 | less-open | 33 | 325 | 312 | 222 | NSR | NSR | NSR | NSR | 3.9E-04 | | 1.1E+00 | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-32 | 355 | 170.9 | -92.5 | less-open | 37 | 338 | 325 | 235 | 2 | NW | 291-335 | 44 | 3.9E-04 | | 1.1E+00 | | 0.2 | -- | 0.4 | -- | -- | -- | -- |
| MW-32 | 356 | 171.5 | -93.1 | less-open | 41 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | 3.9E-04 | | 1.1E+00 | | 0.6 | 2.6 | -- | -- | -- | -- | -- |
| MW-32 | 357 | 172.0 | -93.7 | less-open | 48 | 103 | 90 | 0 | 3 | E | 70-115 | 45 | 3.9E-04 | | 1.1E+00 | | 0.5 | -- | -- | 1.6 | -- | -- | -- |
| MW-32 | 358 | 172.0 | -93.7 | less-open | 36 | 342 | 329 | 239 | 2 | NW | 291-335 | 44 | 3.9E-04 | | 1.1E+00 | | 0.0 | -- | 1.2 | -- | -- | -- | -- |
| MW-32 | 359 | 172.2 | -93.9 | less-open | 49 | 357 | 344 | 254 | 6 | N | 336-21 | 45 | 3.9E-04 | | 1.1E+00 | | 0.2 | -- | -- | -- | -- | -- | 26.8 |
| MW-32 | 360 | 172.3 | -93.9 | less-open | 54 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 3.9E-04 | | 1.1E+00 | | 0.1 | -- | -- | 0.3 | -- | -- | -- |
| MW-32 | 361 | 173.8 | -95.4 | less-open | 63 | 312 | 299 | 209 | 2 | NW | 291-335 | 44 | 3.9E-04 | | 1.1E+00 | | 1.5 | -- | 1.7 | -- | -- | -- | -- |
| MW-32 | 362 | 174.2 | -95.9 | less-open | 39 | 126 | 113 | 23 | 3 | E | 70-115 | 45 | 3.9E-04 | | 1.1E+00 | | 0.4 | -- | -- | 1.9 | -- | -- | -- |
| MW-32 | 363 | 174.6 | -96.2 | less-open | 50 | 129 | 116 | 26 | 1 | SE | 116-165 | 49 | 3.9E-04 | | 1.1E+00 | | 0.4 | 3.1 | -- | -- | -- | -- | -- |
| MW-32 | 364 | 174.6 | -96.3 | less-open | 50 | 321 | 308 | 218 | 2 | NW | 291-335 | 44 | 3.9E-04 | | 1.1E+00 | | 0.1 | -- | 0.9 | -- | -- | -- | -- |
| MW-32 | 365 | 174.8 | -96.5 | less-open | 55 | 110 | 97 | 7 | 3 | E | 70-115 | 45 | 3.9E-04 | | 1.1E+00 | | 0.2 | -- | -- | 0.6 | -- | -- | -- |
| MW-32 | 366 | 174.8 | -96.5 | less-open | 21 | 6 | 353 | 263 | NSR | NSR | NSR | NSR | 3.9E-04 | | 1.1E+00 | | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-32 | 367 | 175.0 | -96.7 | less-open | 57 | 124 | 111 | 21 | 3 | E | 70-115 | 45 | 3.9E-04 | | 1.1E+00 | | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-32 | 368 | 175.2 | -96.8 | less-open | 50 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | 3.9E-04 | | 1.1E+00 | | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-32 | 369 | 175.3 | -97.0 | less-open | 48 | 119 | 106 | 16 | 3 | E | 70-115 | 45 | 3.9E-04 | 3.5E-05 | 1.1E+00 | 1.0E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-32 | 370 | 176.0 | -97.6 | less-open | 61 | 110 | 97 | 7 | 3 | E | 70-115 | 45 | 3.9E-04 | 3.5E-05 | 1.1E+00 | 1.0E-01 | 0.7 | -- | -- | 0.7 | -- | -- | -- |
| MW-32 | 371 | 177.2 | -98.9 | less-open | 58 | 110 | 97 | 7 | 3 | E | 70-115 | 45 | 3.9E-04 | 3.5E-05 | 1.1E+00 | 1.0E-01 | 1.2 | -- | -- | 1.2 | -- | -- | -- |
| MW-32 | 372 | 178.1 | -99.8 | less-open | 63 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | 3.9E-04 | 3.5E-05 | 1.1E+00 | 1.0E-01 | 0.9 | -- | -- | 0.9 | -- | -- | -- |
| MW-32 | 373 | 178.8 | -100.5 | less-open | 35 | 45 | 32 | 302 | NSR | NSR | NSR | NSR | 3.9E-04 | 3.5E-05 | 1.1E+00 | 1.0E-01 | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-32 | 374 | 179.7 | -101.4 | less-open | 24 | 23 | 10 | 280 | NSR | NSR | NSR | NSR | 3.9E-04 | 3.5E-05 | 1.1E+00 | 1.0E-01 | 0.9 | -- | -- | -- | -- | -- | -- |
| MW-32 | 375 | 180.2 | -101.9 | less-open | 68 | 12 | 359 | 269 | 6 | N | 336-21 | 45 | 3.9E-04 | 3.5E-05 | 1.1E+00 | 1.0E-01 | 0.5 | -- | -- | -- | -- | -- | 8.0 |
| MW-32 | 376 | 180.5 | -102.2 | less-open | 47 | 169 | 156 | 66 | 1 | SE | 116-165 | 49 | | 3.5E-05 | | 1.0E-01 | 0.3 | 6.0 | -- | -- | -- | -- | -- |
| MW-32 | 377 | 181.3 | -102.9 | less-open | 39 | 40 | 27 | 297 | NSR | NSR | NSR | NSR | | 3.5E-05 | | 1.0E-01 | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-32 | 378 | 181.6 | -103.3 | less-open | 63 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | | 3.5E-05 | | 1.0E-01 | 0.3 | -- | -- | 3.5 | -- | -- | -- |
| MW-32 | 379 | 182.0 | -103.6 | less-open | 36 | 3 | 350 | 260 | 6 | N | 336-21 | 45 | | 3.5E-05 | | 1.0E-01 | 0.4 | -- | -- | -- | -- | -- | 1.8 |
| MW-32 | 380 | 182.0 | -103.7 | less-open | 28 | 53 | 40 | 310 | NSR | NSR | NSR | NSR | | 3.5E-05 | | 1.0E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-32 | 381 | 182.4 | -104.1 | less-open | 39 | 103 | 90 | 0 | 3 | E | 70-115 | 45 | | 3.5E-05 | | 1.0E-01 | 0.4 | -- | -- | 0.8 | -- | -- | -- |
| MW-32 | 382 | 182.5 | -104.2 | less-open | 39 | 100 | 87 | 357 | 3 | E | 70-115 | 45 | | 3.5E-05 | | 1.0E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-32 | 383 | 182.7 | -104.4 | less-open | 28 | 137 | 124 | 34 | NSR | NSR | NSR | NSR | | 3.5E-05 | | 1.0E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-32 | 384 | 182.9 | -104.5 | less-open | 56 | 121 | 108 | 18 | 3 | E | 70-115 | 45 | | 3.5E-05 | | 1.0E-01 | 0.1 | -- | -- | 0.3 | -- | -- | -- |
| MW-32 | 385 | 183.5 | -105.1 | less-open | 54 | 269 | 256 | 166 | 4 | W | 245-290 | 45 | | 3.5E-05 | | 1.0E-01 | 0.6 | -- | -- | -- | 14.1 | -- | -- |
| MW-32 | 386 | 183.5 | -105.2 | less-open | 46 | 118 | 105 | 15 | 3 | E | 70-115 | 45 | | 3.5E-05 | | 1.0E-01 | 0.1 | -- | -- | 0.7 | -- | -- | -- |
| MW-32 | 387 | 183.8 | -105.4 | less-open | 41 | 78 | 65 | 335 | NSR | NSR | NSR | NSR | | 3.5E-05 | | 1.0E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-32 | 388 | 184.1 | -105.8 | less-open | 45 | 77 | 64 | 334 | NSR | NSR | NSR | NSR | | 3.5E-05 | | 1.0E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-32 | 389 | 184.3 | -105.9 | less-open | 56 | 103 | 90 | 360 | 3 | E | 70-115 | 45 | | 3.5E-05 | | 1.0E-01 | 0.2 | -- | -- | 0.7 | -- | -- | -- |
| MW-32 | 390 | 184.4 | -106.1 | less-open | 57 | 90 | 77 | 347 | 3 | E | 70-115 | 45 | | 3.5E-05 | | 1.0E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-32 | 391 | 184.5 | -106.2 | less-open | 45 | 324 | 311 | 221 | 2 | NW | 291-335 | 44 | | 3.5E-05 | | 1.0E-01 | 0.1 | -- | 9.9 | -- | -- | -- | -- |
| MW-32 | 392 | 184.8 | -106.5 | less-open | 59 | 113 | 100 | 10 | 3 | E | 70-115 | 45 | | 3.5E-05 | | 1.0E-01 | 0.3 | -- | -- | 0.4 | -- | -- | -- |
| MW-32 | 393 | 185.4 | -107.0 | less-open | 60 | 87 | 74 | 344 | 3 | E | 70-115 | 45 | 1.4E-04 | | 4.0E-01 | | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-32 | 394 | 185.5 | -107.2 | less-open | 60 | 87 | 74 | 344 | 3 | E | 70-115 | 45 | 1.4E-04 | | 4.0E-01 | | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-32 | 395 | 185.7 | -107.4 | less-open | 46 | 93 | 80 | 350 | 3 | E | 70-115 | 45 | 1.4E-04 | | 4.0E-01 | | 0.2 | -- | -- | 0.2 | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-32 | 396 | 185.8 | -107.5 | less-open | 49 | 111 | 98 | 8 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-32 | 397 | 185.9 | -107.6 | less-open | 69 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | 1.4E-04 | 4.0E-01 | 0.1 | 5.4 | -- | -- | -- | -- | -- |
| MW-32 | 398 | 186.0 | -107.6 | less-open | 59 | 302 | 289 | 199 | 4 | W | 245-290 | 45 | 1.4E-04 | 4.0E-01 | 0.0 | -- | -- | -- | 2.5 | -- | -- |
| MW-32 | 399 | 186.2 | -107.9 | less-open | 43 | 95 | 82 | 352 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 0.3 | -- | -- | 0.4 | -- | -- | -- |
| MW-32 | 400 | 186.4 | -108.1 | less-open | 42 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-32 | 401 | 186.8 | -108.4 | less-open | 53 | 326 | 313 | 223 | 2 | NW | 291-335 | 44 | 1.4E-04 | 4.0E-01 | 0.3 | -- | 2.2 | -- | -- | -- | -- |
| MW-32 | 402 | 186.8 | -108.4 | less-open | 33 | 294 | 281 | 191 | NSR | NSR | NSR | NSR | 1.4E-04 | 4.0E-01 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-32 | 403 | 186.9 | -108.6 | less-open | 63 | 101 | 88 | 358 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 0.2 | -- | -- | 0.5 | -- | -- | -- |
| MW-32 | 404 | 187.4 | -109.1 | less-open | 25 | 310 | 297 | 207 | NSR | NSR | NSR | NSR | 1.4E-04 | 4.0E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-32 | 405 | 187.8 | -109.4 | less-open | 69 | 86 | 73 | 343 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 0.3 | -- | -- | 0.8 | -- | -- | -- |
| MW-32 | 406 | 188.0 | -109.7 | less-open | 63 | 82 | 69 | 339 | NSR | NSR | NSR | NSR | 1.4E-04 | 4.0E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-32 | 407 | 188.8 | -110.5 | less-open | 65 | 89 | 76 | 346 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 0.8 | -- | -- | 1.0 | -- | -- | -- |
| MW-32 | 408 | 189.1 | -110.8 | less-open | 62 | 81 | 68 | 338 | NSR | NSR | NSR | NSR | 1.4E-04 | 4.0E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-32 | 409 | 190.2 | -111.9 | less-open | 65 | 89 | 76 | 346 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 1.1 | -- | -- | 1.4 | -- | -- | -- |
| MW-32 | 410 | 190.7 | -112.4 | less-open | 55 | 86 | 73 | 343 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-32 | 411 | 191.3 | -113.0 | less-open | 55 | 126 | 113 | 23 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-32 | 412 | 191.8 | -113.5 | less-open | 66 | 101 | 88 | 358 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-32 | 413 | 191.9 | -113.6 | less-open | 53 | 289 | 276 | 186 | 4 | W | 245-290 | 45 | 1.4E-04 | 4.0E-01 | 0.1 | -- | -- | -- | 5.9 | -- | -- |
| MW-32 | 414 | 192.1 | -113.7 | less-open | 3 | 177 | 164 | 74 | NSR | NSR | NSR | NSR | 1.4E-04 | 4.0E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-32 | 415 | 192.3 | -113.9 | less-open | 61 | 92 | 79 | 349 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 0.2 | -- | -- | 0.4 | -- | -- | -- |
| MW-32 | 416 | 192.6 | -114.3 | less-open | 54 | 94 | 81 | 351 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-32 | 417 | 193.4 | -115.1 | less-open | 53 | 301 | 288 | 198 | 4 | W | 245-290 | 45 | 1.4E-04 | 4.0E-01 | 0.8 | -- | -- | -- | 1.5 | -- | -- |
| MW-32 | 418 | 193.4 | -115.1 | less-open | 64 | 90 | 77 | 347 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 0.0 | -- | -- | 0.8 | -- | -- | -- |
| MW-32 | 419 | 193.6 | -115.2 | less-open | 37 | 328 | 315 | 225 | 2 | NW | 291-335 | 44 | 1.4E-04 | 4.0E-01 | 0.1 | -- | 6.8 | -- | -- | -- | -- |
| MW-32 | 420 | 194.1 | -115.8 | less-open | 51 | 80 | 67 | 337 | NSR | NSR | NSR | NSR | 1.4E-04 | 4.0E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-32 | 421 | 194.6 | -116.2 | less-open | 60 | 317 | 304 | 214 | 2 | NW | 291-335 | 44 | 1.4E-04 | 4.0E-01 | 0.4 | -- | 1.0 | -- | -- | -- | -- |
| MW-32 | 422 | 194.8 | -116.4 | less-open | 57 | 78 | 65 | 335 | NSR | NSR | NSR | NSR | 1.4E-04 | 4.0E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-32 | 423 | 195.1 | -116.7 | less-open | 49 | 329 | 316 | 226 | 2 | NW | 291-335 | 44 | 1.4E-04 | 4.0E-01 | 0.3 | -- | 0.5 | -- | -- | -- | -- |
| MW-32 | 424 | 195.8 | -117.4 | less-open | 43 | 355 | 342 | 252 | 6 | N | 336-21 | 45 | TNP | TNP | 0.7 | -- | -- | -- | -- | -- | 13.8 |
| MW-32 | 425 | 196.5 | -118.2 | less-open | 54 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | TNP | TNP | 0.8 | -- | -- | 3.1 | -- | -- | -- |
| MW-32 | 426 | 197.0 | -118.6 | less-open | 5 | 123 | 110 | 20 | NSR | NSR | NSR | NSR | TNP | TNP | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-32 | 427 | 197.5 | -119.1 | less-open | 6 | 137 | 124 | 34 | NSR | NSR | NSR | NSR | TNP | TNP | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-32 | 428 | 198.0 | -119.6 | less-open | 3 | 166 | 153 | 63 | NSR | NSR | NSR | NSR | TNP | TNP | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-32 | 429 | 198.1 | -119.7 | less-open | 8 | 82 | 69 | 339 | NSR | NSR | NSR | NSR | TNP | TNP | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-34 | 1 | 9.8 | 8.8 | less-open | 68 | 299 | 286 | 196 | 4 | W | 245-290 | 45 | 7.1E-05 | 2.0E-01 | NA | -- | -- | -- | 9.8 | -- | -- |
| MW-34 | 2 | 10.2 | 8.4 | less-open | 65 | 150 | 137 | 47 | 1 | SE | 116-165 | 49 | 7.1E-05 | 2.0E-01 | 0.4 | 10.2 | -- | -- | -- | -- | -- |
| MW-34 | 3 | 10.4 | 8.2 | less-open | 63 | 152 | 139 | 49 | 1 | SE | 116-165 | 49 | 7.1E-05 | 2.0E-01 | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-34 | 4 | 10.6 | 8.0 | open | 67 | 143 | 130 | 40 | 1 | SE | 116-165 | 49 | 7.1E-05 | 2.0E-01 | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-34 | 5 | 10.8 | 7.8 | open | 66 | 130 | 117 | 27 | 1 | SE | 116-165 | 49 | 7.1E-05 | 2.0E-01 | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-34 | 6 | 11.3 | 7.3 | less-open | 65 | 144 | 131 | 41 | 1 | SE | 116-165 | 49 | 7.1E-05 | 2.0E-01 | 0.5 | 0.5 | -- | -- | -- | -- | -- |
| MW-34 | 7 | 12.2 | 6.4 | less-open | 58 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | 7.1E-05 | 2.0E-01 | 0.9 | -- | -- | 12.2 | -- | -- | -- |
| MW-34 | 8 | 12.5 | 6.1 | less-open | 74 | 332 | 319 | 229 | 2 | NW | 291-335 | 44 | 7.1E-05 | 2.0E-01 | 0.3 | -- | 12.5 | -- | -- | -- | -- |
| MW-34 | 9 | 13.2 | 5.4 | less-open | 64 | 147 | 134 | 44 | 1 | SE | 116-165 | 49 | 7.1E-05 | 2.0E-01 | 0.8 | 1.9 | -- | -- | -- | -- | -- |
| MW-34 | 10 | 13.2 | 5.4 | less-open | 77 | 321 | 308 | 218 | 2 | NW | 291-335 | 44 | 7.1E-05 | 2.0E-01 | 0.0 | -- | 0.8 | -- | -- | -- | -- |
| MW-34 | 11 | 13.5 | 5.1 | less-open | 58 | 106 | 93 | 3 | 3 | E | 70-115 | 45 | 7.1E-05 | 2.0E-01 | 0.3 | -- | -- | 1.4 | -- | -- | -- |
| MW-34 | 12 | 13.8 | 4.8 | less-open | 66 | 135 | 122 | 32 | 1 | SE | 116-165 | 49 | 7.1E-05 | 2.0E-01 | 0.3 | 0.6 | -- | -- | -- | -- | -- |
| MW-34 | 13 | 15.5 | 3.1 | open | 24 | 99 | 86 | 356 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 1.6 | -- | -- | -- | -- | -- | -- |
| MW-34 | 14 | 15.6 | 3.0 | open | 17 | 341 | 328 | 238 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-34 | 15 | 15.9 | 2.7 | open | 39 | 63 | 50 | 320 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-34 | 16 | 16.0 | 2.6 | open | 29 | 48 | 35 | 305 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-34 | 17 | 17.8 | 0.8 | less-open | 86 | 342 | 329 | 239 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 1.8 | -- | -- | -- | -- | -- | -- |
| MW-34 | 18 | 18.3 | 0.3 | less-open | 72 | 228 | 215 | 125 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-34 | 19 | 18.5 | 0.1 | less-open | 12 | 243 | 230 | 140 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-34 | 20 | 19.5 | -0.9 | less-open | 21 | 327 | 314 | 224 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 1.0 | -- | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-34 | 21 | 23.1 | -4.5 | less-open | 25 | 130 | 117 | 27 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 3.6 | -- | -- | -- | -- | -- | -- |
| MW-34 | 22 | 24.9 | -6.3 | less-open | 63 | 307 | 294 | 204 | 2 | NW | 291-335 | 44 | 7.1E-05 | 2.0E-01 | 1.8 | -- | 11.7 | -- | -- | -- | -- |
| MW-34 | 23 | 25.2 | -6.6 | less-open | 30 | 67 | 54 | 324 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-34 | 24 | 26.1 | -7.5 | less-open | 80 | 151 | 138 | 48 | 1 | SE | 116-165 | 49 | 7.1E-05 | 2.0E-01 | 0.9 | 12.3 | -- | -- | -- | -- | -- |
| MW-34 | 25 | 27.4 | -8.8 | less-open | 81 | 168 | 155 | 65 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 1.3 | -- | -- | -- | -- | -- | -- |
| MW-34 | 26 | 27.8 | -9.2 | less-open | 2 | 65 | 52 | 322 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-35 | 1 | 9.2 | 9.4 | less-open | 54 | 180 | 167 | 77 | 5 | S | 166-200 | 34 | 1.4E-04 | 4.0E-01 | NA | -- | -- | -- | -- | 9.2 | -- |
| MW-35 | 2 | 9.3 | 9.3 | less-open | 51 | 182 | 169 | 79 | 5 | S | 166-200 | 34 | 1.4E-04 | 4.0E-01 | 0.2 | -- | -- | -- | -- | 0.2 | -- |
| MW-35 | 3 | 9.5 | 9.1 | less-open | 50 | 162 | 149 | 59 | 1 | SE | 116-165 | 49 | 1.4E-04 | 4.0E-01 | 0.1 | 9.5 | -- | -- | -- | -- | -- |
| MW-35 | 4 | 9.7 | 8.9 | less-open | 48 | 185 | 172 | 82 | 5 | S | 166-200 | 34 | 1.4E-04 | 4.0E-01 | 0.2 | -- | -- | -- | -- | 0.3 | -- |
| MW-35 | 5 | 11.8 | 6.8 | less-open | 70 | 206 | 193 | 103 | 5 | S | 166-200 | 34 | 1.4E-04 | 4.0E-01 | 2.1 | -- | -- | -- | -- | 2.1 | -- |
| MW-35 | 6 | 12.8 | 5.8 | less-open | 64 | 187 | 174 | 84 | 5 | S | 166-200 | 34 | 1.4E-04 | 4.0E-01 | 1.0 | -- | -- | -- | -- | 1.0 | -- |
| MW-35 | 7 | 13.7 | 4.9 | less-open | 10 | 71 | 58 | 328 | NSR | NSR | NSR | NSR | 1.4E-04 | 4.0E-01 | 0.9 | -- | -- | -- | -- | -- | -- |
| MW-35 | 8 | 14.7 | 4.0 | open | 15 | 78 | 65 | 335 | NSR | NSR | NSR | NSR | 1.4E-04 | 4.0E-01 | 0.9 | -- | -- | -- | -- | -- | -- |
| MW-35 | 9 | 15.8 | 2.8 | less-open | 48 | 209 | 196 | 106 | 5 | S | 166-200 | 34 | 1.4E-04 | 4.0E-01 | 1.1 | -- | -- | -- | -- | 3.0 | -- |
| MW-35 | 10 | 16.7 | 2.0 | less-open | 57 | 171 | 158 | 68 | 1 | SE | 116-165 | 49 | 1.4E-04 | 4.0E-01 | 0.9 | 7.2 | -- | -- | -- | -- | -- |
| MW-35 | 11 | 16.8 | 1.9 | less-open | 60 | 178 | 165 | 75 | 1 | SE | 116-165 | 49 | 1.4E-04 | 4.0E-01 | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-35 | 12 | 17.4 | 1.2 | less-open | 65 | 148 | 135 | 45 | 1 | SE | 116-165 | 49 | 1.4E-04 | 4.0E-01 | 0.6 | 0.6 | -- | -- | -- | -- | -- |
| MW-35 | 13 | 18.9 | -0.3 | less-open | 59 | 78 | 65 | 335 | NSR | NSR | NSR | NSR | 1.4E-04 | 4.0E-01 | 1.5 | -- | -- | -- | -- | -- | -- |
| MW-35 | 14 | 19.4 | -0.7 | less-open | 56 | 133 | 120 | 30 | 1 | SE | 116-165 | 49 | 1.4E-04 | 4.0E-01 | 0.5 | 2.0 | -- | -- | -- | -- | -- |
| MW-35 | 15 | 20.8 | -2.2 | less-open | 41 | 201 | 188 | 98 | 5 | S | 166-200 | 34 | 1.4E-04 | 4.0E-01 | 1.4 | -- | -- | -- | -- | 5.0 | -- |
| MW-35 | 16 | 20.9 | -2.3 | less-open | 46 | 193 | 180 | 90 | 5 | S | 166-200 | 34 | 1.4E-04 | 4.0E-01 | 0.1 | -- | -- | -- | -- | 0.1 | -- |
| MW-35 | 17 | 21.0 | -2.3 | less-open | 47 | 195 | 182 | 92 | 5 | S | 166-200 | 34 | 1.4E-04 | 4.0E-01 | 0.1 | -- | -- | -- | -- | 0.1 | -- |
| MW-35 | 18 | 21.2 | -2.6 | less-open | 53 | 206 | 193 | 103 | 5 | S | 166-200 | 34 | 1.4E-04 | 4.0E-01 | 0.2 | -- | -- | -- | -- | 0.2 | -- |
| MW-35 | 19 | 21.6 | -3.0 | less-open | 54 | 209 | 196 | 106 | 5 | S | 166-200 | 34 | 1.4E-04 | 4.0E-01 | 0.4 | -- | -- | -- | -- | 0.4 | -- |
| MW-35 | 20 | 24.5 | -5.8 | less-open | 57 | 138 | 125 | 35 | 1 | SE | 116-165 | 49 | 1.4E-04 | 4.0E-01 | 2.9 | 5.1 | -- | -- | -- | -- | -- |
| MW-35 | 21 | 25.2 | -6.6 | less-open | 48 | 201 | 188 | 98 | 5 | S | 166-200 | 34 | 1.4E-04 | 4.0E-01 | 0.7 | -- | -- | -- | -- | 3.6 | -- |
| MW-35 | 22 | 26.4 | -7.8 | less-open | 29 | 107 | 94 | 4 | NSR | NSR | NSR | NSR | 1.4E-04 | 4.0E-01 | 1.3 | -- | -- | -- | -- | -- | -- |
| MW-35 | 23 | 26.5 | -7.9 | less-open | 75 | 133 | 120 | 30 | 1 | SE | 116-165 | 49 | 1.4E-04 | 4.0E-01 | 0.0 | 2.0 | -- | -- | -- | -- | -- |
| MW-35 | 24 | 27.1 | -8.5 | less-open | 78 | 119 | 106 | 16 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 0.7 | -- | -- | 27.1 | -- | -- | -- |
| MW-35 | 25 | 28.5 | -9.9 | less-open | 5 | 120 | 107 | 17 | NSR | NSR | NSR | NSR | 1.4E-04 | 4.0E-01 | 1.4 | -- | -- | -- | -- | -- | -- |
| MW-39 | 1 | 54.5 | 27.4 | less-open | 40 | 306 | 293 | 203 | 2 | NW | 291-335 | 44 | TNP | TNP | NA | -- | 54.5 | -- | -- | -- | -- |
| MW-39 | 2 | 55.5 | 26.3 | less-open | 20 | 333 | 320 | 230 | NSR | NSR | NSR | NSR | TNP | TNP | 1.1 | -- | -- | -- | -- | -- | -- |
| MW-39 | 3 | 55.9 | 25.9 | less-open | 64 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | TNP | TNP | 0.4 | -- | -- | 55.9 | -- | -- | -- |
| MW-39 | 4 | 56.6 | 25.3 | less-open | 84 | 184 | 171 | 81 | NSR | NSR | NSR | NSR | TNP | TNP | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-39 | 5 | 59.7 | 22.2 | less-open | 46 | 140 | 127 | 37 | 1 | SE | 116-165 | 49 | 7.8E-03 | 2.2E+01 | 3.2 | 59.7 | -- | -- | -- | -- | -- |
| MW-39 | 6 | 62.1 | 19.8 | less-open | 36 | 264 | 251 | 161 | 4 | W | 245-290 | 45 | 7.8E-03 | 2.2E+01 | 2.4 | -- | -- | -- | 62.1 | -- | -- |
| MW-39 | 7 | 62.3 | 19.6 | less-open | 74 | 63 | 50 | 320 | NSR | NSR | NSR | NSR | 7.8E-03 | 2.2E+01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-39 | 8 | 62.5 | 19.4 | less-open | 31 | 127 | 114 | 24 | NSR | NSR | NSR | NSR | 7.8E-03 | 2.2E+01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-39 | 9 | 63.3 | 18.5 | less-open | 62 | 86 | 73 | 343 | 3 | E | 70-115 | 45 | 7.8E-03 | 2.2E+01 | 0.8 | -- | -- | 7.4 | -- | -- | -- |
| MW-39 | 10 | 63.4 | 18.4 | less-open | 34 | 287 | 274 | 184 | 4 | W | 245-290 | 45 | 7.8E-03 | 2.2E+01 | 0.1 | -- | -- | -- | 1.3 | -- | -- |
| MW-39 | 11 | 63.7 | 18.2 | less-open | 72 | 71 | 58 | 328 | NSR | NSR | NSR | NSR | 7.8E-03 | 2.2E+01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-39 | 12 | 64.0 | 17.9 | less-open | 65 | 71 | 58 | 328 | NSR | NSR | NSR | NSR | 7.8E-03 | 2.2E+01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-39 | 13 | 67.0 | 14.9 | open | 23 | 56 | 43 | 313 | NSR | NSR | NSR | NSR | 7.8E-03 | 2.2E+01 | 3.0 | -- | -- | -- | -- | -- | -- |
| MW-39 | 14 | 67.6 | 14.3 | less-open | 66 | 188 | 175 | 85 | 5 | S | 166-200 | 34 | 7.8E-03 | 2.2E+01 | 0.6 | -- | -- | -- | -- | 67.6 | -- |
| MW-39 | 15 | 68.0 | 13.9 | less-open | 73 | 201 | 188 | 98 | 5 | S | 166-200 | 34 | 7.8E-03 | 2.2E+01 | 0.5 | -- | -- | -- | -- | 0.5 | -- |
| MW-39 | 16 | 68.2 | 13.7 | less-open | 26 | 87 | 74 | 344 | NSR | NSR | NSR | NSR | 7.8E-03 | 2.2E+01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-39 | 17 | 68.2 | 13.7 | less-open | 23 | 72 | 59 | 329 | NSR | NSR | NSR | NSR | 7.8E-03 | 2.2E+01 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-39 | 18 | 68.7 | 13.2 | open | 17 | 53 | 40 | 310 | NSR | NSR | NSR | NSR | 7.8E-03 | 2.2E+01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-39 | 19 | 68.8 | 13.1 | open | 21 | 42 | 29 | 299 | NSR | NSR | NSR | NSR | 7.8E-03 | 2.2E+01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-39 | 20 | 70.5 | 11.4 | less-open | 37 | 68 | 55 | 325 | NSR | NSR | NSR | NSR | 2.1E-04 | 6.0E-01 | 1.7 | -- | -- | -- | -- | -- | -- |
| MW-39 | 21 | 71.4 | 10.5 | less-open | 72 | 124 | 111 | 21 | 3 | E | 70-115 | 45 | 2.1E-04 | 6.0E-01 | 0.9 | -- | -- | 8.0 | -- | -- | -- |
| MW-39 | 22 | 75.2 | 6.7 | less-open | 65 | 147 | 134 | 44 | 1 | SE | 116-165 | 49 | 2.1E-04 | 6.0E-01 | 3.8 | 15.4 | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | | ft/day | | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-39 | 23 | 75.2 | 6.7 | less-open | 78 | 120 | 107 | 17 | 3 | E | 70-115 | 45 | 2.1E-04 | | 6.0E-01 | | 0.0 | -- | -- | 3.8 | -- | -- | -- |
| MW-39 | 24 | 75.5 | 6.4 | less-open | 31 | 335 | 322 | 232 | NSR | NSR | NSR | NSR | 2.1E-04 | | 6.0E-01 | | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-39 | 25 | 77.8 | 4.0 | less-open | 32 | 231 | 218 | 128 | NSR | NSR | NSR | NSR | 2.1E-04 | | 6.0E-01 | | 2.4 | -- | -- | -- | -- | -- | -- |
| MW-39 | 26 | 78.6 | 3.2 | less-open | 64 | 348 | 335 | 245 | 2 | NW | 291-335 | 44 | 2.1E-04 | | 6.0E-01 | | 0.8 | -- | 24.2 | -- | -- | -- | -- |
| MW-39 | 27 | 78.7 | 3.1 | less-open | 22 | 174 | 161 | 71 | NSR | NSR | NSR | NSR | 2.1E-04 | | 6.0E-01 | | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-39 | 28 | 79.9 | 2.0 | less-open | 23 | 191 | 178 | 88 | NSR | NSR | NSR | NSR | 2.1E-04 | | 6.0E-01 | | 1.1 | -- | -- | -- | -- | -- | -- |
| MW-39 | 29 | 80.7 | 1.2 | less-open | 50 | 131 | 118 | 28 | 1 | SE | 116-165 | 49 | 7.8E-04 | 1.0E-03 | 2.2E+00 | 2.9E+00 | 0.8 | 5.5 | -- | -- | -- | -- | -- |
| MW-39 | 30 | 81.8 | 0.0 | less-open | 77 | 191 | 178 | 88 | 5 | S | 166-200 | 34 | 7.8E-04 | 1.0E-03 | 2.2E+00 | 2.9E+00 | 1.2 | -- | -- | -- | -- | 13.8 | -- |
| MW-39 | 31 | 82.5 | -0.6 | less-open | 76 | 208 | 195 | 105 | 5 | S | 166-200 | 34 | 7.8E-04 | 1.0E-03 | 2.2E+00 | 2.9E+00 | 0.6 | -- | -- | -- | -- | 0.6 | -- |
| MW-39 | 32 | 83.0 | -1.1 | less-open | 74 | 167 | 154 | 64 | 1 | SE | 116-165 | 49 | 7.8E-04 | 1.0E-03 | 2.2E+00 | 2.9E+00 | 0.5 | 2.3 | -- | -- | -- | -- | -- |
| MW-39 | 33 | 84.2 | -2.3 | less-open | 51 | 139 | 126 | 36 | 1 | SE | 116-165 | 49 | 7.8E-04 | 1.0E-03 | 2.2E+00 | 2.9E+00 | 1.1 | 1.1 | -- | -- | -- | -- | -- |
| MW-39 | 34 | 84.3 | -2.4 | less-open | 82 | 187 | 174 | 84 | NSR | NSR | NSR | NSR | 7.8E-04 | 1.0E-03 | 2.2E+00 | 2.9E+00 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-39 | 35 | 85.5 | -3.7 | less-open | 7 | 215 | 202 | 112 | NSR | NSR | NSR | NSR | 7.8E-04 | 1.0E-03 | 2.2E+00 | 2.9E+00 | 1.3 | -- | -- | -- | -- | -- | -- |
| MW-39 | 36 | 85.6 | -3.7 | less-open | 6 | 221 | 208 | 118 | NSR | NSR | NSR | NSR | 7.8E-04 | 1.0E-03 | 2.2E+00 | 2.9E+00 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-39 | 37 | 85.8 | -4.0 | open | 48 | 332 | 319 | 229 | 2 | NW | 291-335 | 44 | 7.8E-04 | 1.0E-03 | 2.2E+00 | 2.9E+00 | 0.2 | -- | 7.2 | -- | -- | -- | -- |
| MW-39 | 38 | 86.0 | -4.1 | less-open | 71 | 113 | 100 | 10 | 3 | E | 70-115 | 45 | 7.8E-04 | 1.0E-03 | 2.2E+00 | 2.9E+00 | 0.1 | -- | -- | 10.8 | -- | -- | -- |
| MW-39 | 39 | 86.6 | -4.7 | less-open | 58 | 121 | 108 | 18 | 3 | E | 70-115 | 45 | 7.8E-04 | 1.0E-03 | 2.2E+00 | 2.9E+00 | 0.6 | --- | -- | 0.6 | -- | -- | -- |
| MW-39 | 40 | 87.3 | -5.4 | less-open | 35 | 135 | 122 | 32 | 1 | SE | 116-165 | 49 | 7.8E-04 | 1.0E-03 | 2.2E+00 | 2.9E+00 | 0.7 | 3.1 | -- | -- | -- | -- | -- |
| MW-39 | 41 | 87.6 | -5.7 | less-open | 54 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | 7.8E-04 | 1.0E-03 | 2.2E+00 | 2.9E+00 | 0.3 | -- | -- | 1.0 | -- | -- | -- |
| MW-39 | 42 | 87.8 | -5.9 | less-open | 53 | 264 | 251 | 161 | 4 | W | 245-290 | 45 | 7.8E-04 | 1.0E-03 | 2.2E+00 | 2.9E+00 | 0.2 | -- | -- | -- | 24.4 | -- | -- |
| MW-39 | 43 | 87.9 | -6.0 | less-open | 32 | 175 | 162 | 72 | NSR | NSR | NSR | NSR | 7.8E-04 | 1.0E-03 | 2.2E+00 | 2.9E+00 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-39 | 44 | 87.9 | -6.1 | less-open | 49 | 75 | 62 | 332 | NSR | NSR | NSR | NSR | 7.8E-04 | 1.0E-03 | 2.2E+00 | 2.9E+00 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-39 | 45 | 90.5 | -8.6 | less-open | 61 | 202 | 189 | 99 | 5 | S | 166-200 | 34 | 1.8E-04 | | 5.0E-01 | | 2.6 | -- | -- | -- | -- | 8.0 | -- |
| MW-39 | 46 | 90.7 | -8.9 | less-open | 53 | 138 | 125 | 35 | 1 | SE | 116-165 | 49 | 1.8E-04 | | 5.0E-01 | | 0.2 | 3.5 | -- | -- | -- | -- | -- |
| MW-39 | 47 | 90.9 | -9.0 | less-open | 52 | 140 | 127 | 37 | 1 | SE | 116-165 | 49 | 1.8E-04 | | 5.0E-01 | | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-39 | 48 | 91.7 | -9.9 | less-open | 60 | 71 | 58 | 328 | NSR | NSR | NSR | NSR | 1.8E-04 | | 5.0E-01 | | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-39 | 49 | 92.2 | -10.3 | less-open | 58 | 280 | 267 | 177 | 4 | W | 245-290 | 45 | 1.8E-04 | | 5.0E-01 | | 0.5 | -- | -- | -- | 4.4 | -- | -- |
| MW-39 | 50 | 93.7 | -11.8 | less-open | 50 | 99 | 86 | 356 | 3 | E | 70-115 | 45 | 1.8E-04 | | 5.0E-01 | | 1.5 | -- | -- | 6.1 | -- | -- | -- |
| MW-39 | 51 | 94.2 | -12.3 | less-open | 59 | 315 | 302 | 212 | 2 | NW | 291-335 | 44 | 1.8E-04 | | 5.0E-01 | | 0.5 | -- | 8.4 | -- | -- | -- | -- |
| MW-39 | 52 | 95.5 | -13.6 | less-open | 59 | 187 | 174 | 84 | 5 | S | 166-200 | 34 | 1.8E-04 | | 5.0E-01 | | 1.3 | -- | -- | -- | -- | 5.0 | -- |
| MW-39 | 53 | 95.7 | -13.8 | less-open | 61 | 253 | 240 | 150 | NSR | NSR | NSR | NSR | 1.8E-04 | | 5.0E-01 | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-39 | 54 | 96.1 | -14.3 | less-open | 62 | 242 | 229 | 139 | NSR | NSR | NSR | NSR | 1.8E-04 | | 5.0E-01 | | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-39 | 55 | 96.7 | -14.8 | less-open | 57 | 55 | 42 | 312 | NSR | NSR | NSR | NSR | 1.8E-04 | | 5.0E-01 | | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-39 | 56 | 97.1 | -15.2 | less-open | 56 | 227 | 214 | 124 | NSR | NSR | NSR | NSR | 1.8E-04 | | 5.0E-01 | | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-39 | 57 | 97.4 | -15.5 | less-open | 68 | 199 | 186 | 96 | 5 | S | 166-200 | 34 | 1.8E-04 | | 5.0E-01 | | 0.3 | -- | -- | -- | -- | 1.9 | -- |
| MW-39 | 58 | 97.4 | -15.5 | less-open | 73 | 101 | 88 | 358 | 3 | E | 70-115 | 45 | 1.8E-04 | | 5.0E-01 | | 0.0 | -- | -- | 3.7 | -- | -- | -- |
| MW-39 | 59 | 97.5 | -15.6 | less-open | 49 | 299 | 286 | 196 | 4 | W | 245-290 | 45 | 1.8E-04 | | 5.0E-01 | | 0.1 | -- | -- | -- | 5.3 | -- | -- |
| MW-39 | 60 | 98.2 | -16.3 | less-open | 78 | 140 | 127 | 37 | 1 | SE | 116-165 | 49 | 1.8E-04 | | 5.0E-01 | | 0.7 | 7.3 | -- | -- | -- | -- | -- |
| MW-39 | 61 | 98.2 | -16.3 | open | 75 | 95 | 82 | 352 | 3 | E | 70-115 | 45 | 1.8E-04 | | 5.0E-01 | | 0.0 | -- | -- | 0.8 | -- | -- | -- |
| MW-39 | 62 | 100.5 | -18.6 | open | 16 | 334 | 321 | 231 | NSR | NSR | NSR | NSR | 5.3E-03 | | 1.5E+01 | | 2.3 | -- | -- | -- | -- | -- | -- |
| MW-39 | 63 | 101.3 | -19.5 | less-open | 65 | 125 | 112 | 22 | 3 | E | 70-115 | 45 | 5.3E-03 | | 1.5E+01 | | 0.9 | -- | -- | 3.1 | -- | -- | -- |
| MW-39 | 64 | 103.2 | -21.4 | less-open | 78 | 45 | 32 | 302 | NSR | NSR | NSR | NSR | 5.3E-03 | | 1.5E+01 | | 1.9 | -- | -- | -- | -- | -- | -- |
| MW-39 | 65 | 103.4 | -21.5 | less-open | 19 | 94 | 81 | 351 | NSR | NSR | NSR | NSR | 5.3E-03 | | 1.5E+01 | | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-39 | 66 | 103.4 | -21.5 | less-open | 24 | 349 | 336 | 246 | NSR | NSR | NSR | NSR | 5.3E-03 | | 1.5E+01 | | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-39 | 67 | 103.8 | -21.9 | less-open | 35 | 126 | 113 | 23 | 3 | E | 70-115 | 45 | 5.3E-03 | | 1.5E+01 | | 0.4 | -- | -- | 2.5 | -- | -- | -- |
| MW-39 | 68 | 104.0 | -22.1 | open | 48 | 155 | 142 | 52 | 1 | SE | 116-165 | 49 | 5.3E-03 | | 1.5E+01 | | 0.2 | 5.8 | -- | -- | -- | -- | -- |
| MW-39 | 69 | 104.1 | -22.2 | less-open | 55 | 154 | 141 | 51 | 1 | SE | 116-165 | 49 | 5.3E-03 | | 1.5E+01 | | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-39 | 70 | 104.6 | -22.8 | less-open | 51 | 155 | 142 | 52 | 1 | SE | 116-165 | 49 | 5.3E-03 | | 1.5E+01 | | 0.6 | 0.6 | -- | -- | -- | -- | -- |
| MW-39 | 71 | 105.2 | -23.3 | less-open | 56 | 121 | 108 | 18 | 3 | E | 70-115 | 45 | 5.3E-03 | | 1.5E+01 | | 0.5 | -- | -- | 1.4 | -- | -- | -- |
| MW-39 | 72 | 112.4 | -30.5 | less-open | 62 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | TNP | | TNP | | 7.2 | -- | -- | 7.2 | -- | -- | -- |
| MW-39 | 73 | 112.6 | -30.8 | less-open | 59 | 114 | 101 | 11 | 3 | E | 70-115 | 45 | TNP | | TNP | | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-39 | 74 | 112.7 | -30.9 | less-open | 53 | 141 | 128 | 38 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.1 | 8.1 | -- | -- | -- | -- | -- |
| MW-39 | 75 | 113.3 | -31.4 | less-open | 27 | 311 | 298 | 208 | NSR | NSR | NSR | NSR | TNP | | TNP | | 0.5 | --- | -- | -- | -- | -- | -- |
| MW-39 | 76 | 113.3 | -31.4 | less-open | 35 | 318 | 305 | 215 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 0.1 | -- | 19.1 | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-39 | 77 | 115.5 | -33.6 | less-open | 19 | 91 | 78 | 348 | NSR | NSR | NSR | NSR | TNP | TNP | 2.2 | -- | -- | -- | -- | -- | -- |
| MW-39 | 78 | 117.9 | -36.0 | less-open | 19 | 157 | 144 | 54 | NSR | NSR | NSR | NSR | TNP | TNP | 2.4 | -- | -- | -- | -- | -- | -- |
| MW-39 | 79 | 118.6 | -36.8 | less-open | 53 | 148 | 135 | 45 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.8 | 5.9 | -- | -- | -- | -- | -- |
| MW-39 | 80 | 118.8 | -36.9 | less-open | 53 | 130 | 117 | 27 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-39 | 81 | 121.2 | -39.3 | less-open | 32 | 10 | 357 | 267 | NSR | NSR | NSR | NSR | 2.1E-04 | 6.0E-01 | 2.4 | -- | -- | -- | -- | -- | -- |
| MW-39 | 82 | 121.3 | -39.4 | less-open | 28 | 27 | 14 | 284 | NSR | NSR | NSR | NSR | 2.1E-04 | 6.0E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-39 | 83 | 121.4 | -39.5 | less-open | 44 | 32 | 19 | 289 | 6 | N | 336-21 | 45 | 2.1E-04 | 6.0E-01 | 0.1 | -- | -- | -- | -- | -- | 121.4 |
| MW-39 | 84 | 122.4 | -40.5 | less-open | 52 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | 2.1E-04 | 6.0E-01 | 1.0 | -- | -- | 9.8 | -- | -- | -- |
| MW-39 | 85 | 122.6 | -40.7 | less-open | 59 | 124 | 111 | 21 | 3 | E | 70-115 | 45 | 2.1E-04 | 6.0E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-39 | 86 | 123.6 | -41.8 | less-open | 22 | 350 | 337 | 247 | NSR | NSR | NSR | NSR | 2.1E-04 | 6.0E-01 | 1.1 | -- | -- | -- | -- | -- | -- |
| MW-39 | 87 | 123.7 | -41.8 | less-open | 25 | 320 | 307 | 217 | NSR | NSR | NSR | NSR | 2.1E-04 | 6.0E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-39 | 88 | 124.0 | -42.2 | less-open | 35 | 299 | 286 | 196 | 4 | W | 245-290 | 45 | 2.1E-04 | 6.0E-01 | 0.3 | -- | -- | -- | 26.6 | -- | -- |
| MW-39 | 89 | 125.4 | -43.5 | less-open | 50 | 119 | 106 | 16 | 3 | E | 70-115 | 45 | 2.1E-04 | 6.0E-01 | 1.3 | -- | -- | 2.8 | -- | -- | -- |
| MW-39 | 90 | 126.0 | -44.1 | less-open | 37 | 53 | 40 | 310 | NSR | NSR | NSR | NSR | 2.1E-04 | 6.0E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-39 | 91 | 126.1 | -44.3 | less-open | 42 | 33 | 20 | 290 | 6 | N | 336-21 | 45 | 2.1E-04 | 6.0E-01 | 0.2 | -- | -- | -- | -- | -- | 4.8 |
| MW-39 | 92 | 126.3 | -44.5 | less-open | 62 | 122 | 109 | 19 | 3 | E | 70-115 | 45 | 2.1E-04 | 6.0E-01 | 0.2 | -- | -- | 1.0 | -- | -- | -- |
| MW-39 | 93 | 127.3 | -45.5 | less-open | 54 | 131 | 118 | 28 | 1 | SE | 116-165 | 49 | 2.1E-04 | 6.0E-01 | 1.0 | 8.5 | -- | -- | -- | -- | -- |
| MW-39 | 94 | 127.4 | -45.5 | less-open | 56 | 126 | 113 | 23 | 3 | E | 70-115 | 45 | 2.1E-04 | 6.0E-01 | 0.1 | -- | -- | 1.0 | -- | -- | -- |
| MW-39 | 95 | 127.5 | -45.7 | less-open | 54 | 127 | 114 | 24 | 3 | E | 70-115 | 45 | 2.1E-04 | 6.0E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-39 | 96 | 128.2 | -46.3 | less-open | 64 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | 2.1E-04 | 6.0E-01 | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-39 | 97 | 128.5 | -46.6 | less-open | 65 | 106 | 93 | 3 | 3 | E | 70-115 | 45 | 2.1E-04 | 6.0E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-39 | 98 | 128.5 | -46.7 | less-open | 64 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | 2.1E-04 | 6.0E-01 | 0.0 | -- | -- | 0.0 | -- | -- | -- |
| MW-39 | 99 | 129.2 | -47.3 | less-open | 16 | 119 | 106 | 16 | NSR | NSR | NSR | NSR | 7.1E-06 | 2.0E-02 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-39 | 100 | 129.4 | -47.5 | less-open | 50 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.2 | -- | -- | 0.8 | -- | -- | -- |
| MW-39 | 101 | 129.8 | -48.0 | less-open | 62 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-39 | 102 | 130.5 | -48.7 | less-open | 66 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.7 | -- | -- | 0.7 | -- | -- | -- |
| MW-39 | 103 | 130.7 | -48.8 | less-open | 46 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-39 | 104 | 131.1 | -49.2 | less-open | 44 | 130 | 117 | 27 | 1 | SE | 116-165 | 49 | 7.1E-06 | 2.0E-02 | 0.4 | 3.7 | -- | -- | -- | -- | -- |
| MW-39 | 105 | 131.5 | -49.7 | less-open | 55 | 128 | 115 | 25 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.5 | -- | -- | 0.9 | -- | -- | -- |
| MW-39 | 106 | 131.6 | -49.8 | less-open | 20 | 78 | 65 | 335 | NSR | NSR | NSR | NSR | 7.1E-06 | 2.0E-02 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-39 | 107 | 132.0 | -50.1 | less-open | 55 | 119 | 106 | 16 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.4 | -- | -- | 0.5 | -- | -- | -- |
| MW-39 | 108 | 132.4 | -50.5 | less-open | 77 | 73 | 60 | 330 | NSR | NSR | NSR | NSR | 7.1E-06 | 2.0E-02 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-39 | 109 | 132.5 | -50.6 | less-open | 35 | 127 | 114 | 24 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.1 | -- | -- | 0.4 | -- | -- | -- |
| MW-39 | 110 | 133.1 | -51.3 | less-open | 77 | 76 | 63 | 333 | NSR | NSR | NSR | NSR | 7.1E-06 | 2.0E-02 | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-39 | 111 | 134.1 | -52.2 | less-open | 69 | 80 | 67 | 337 | NSR | NSR | NSR | NSR | 7.1E-06 | 2.0E-02 | 0.9 | -- | -- | -- | -- | -- | -- |
| MW-39 | 112 | 134.1 | -52.3 | less-open | 68 | 93 | 80 | 350 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.1 | -- | -- | 1.7 | -- | -- | -- |
| MW-39 | 113 | 134.9 | -53.1 | less-open | 60 | 120 | 107 | 17 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.8 | -- | -- | 0.8 | -- | -- | -- |
| MW-39 | 114 | 135.0 | -53.1 | less-open | 58 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-39 | 115 | 135.5 | -53.6 | less-open | 55 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-39 | 116 | 135.9 | -54.0 | less-open | 53 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-39 | 117 | 136.0 | -54.2 | less-open | 54 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-39 | 118 | 136.4 | -54.6 | less-open | 53 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-39 | 119 | 136.9 | -55.1 | less-open | 57 | 118 | 105 | 15 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-39 | 120 | 137.8 | -55.9 | less-open | 33 | 329 | 316 | 226 | NSR | NSR | NSR | NSR | 7.1E-06 | 2.0E-02 | 0.9 | -- | -- | -- | -- | -- | -- |
| MW-39 | 121 | 138.4 | -56.5 | less-open | 63 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.6 | -- | -- | 1.5 | -- | -- | -- |
| MW-39 | 122 | 139.4 | -57.5 | less-open | 54 | 148 | 135 | 45 | 1 | SE | 116-165 | 49 | 2.5E-05 | 7.0E-02 | 1.0 | 8.4 | -- | -- | -- | -- | -- |
| MW-39 | 123 | 139.5 | -57.6 | less-open | 56 | 147 | 134 | 44 | 1 | SE | 116-165 | 49 | 2.5E-05 | 7.0E-02 | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-39 | 124 | 139.7 | -57.9 | less-open | 70 | 95 | 82 | 352 | 3 | E | 70-115 | 45 | 2.5E-05 | 7.0E-02 | 0.3 | -- | -- | 1.4 | -- | -- | -- |
| MW-39 | 125 | 140.5 | -58.7 | less-open | 37 | 265 | 252 | 162 | 4 | W | 245-290 | 45 | 2.5E-05 | 7.0E-02 | 0.8 | -- | -- | -- | 16.5 | -- | -- |
| MW-39 | 126 | 140.6 | -58.8 | less-open | 44 | 166 | 153 | 63 | 1 | SE | 116-165 | 49 | 2.5E-05 | 7.0E-02 | 0.1 | 1.1 | -- | -- | -- | -- | -- |
| MW-39 | 127 | 140.7 | -58.8 | less-open | 27 | 298 | 285 | 195 | NSR | NSR | NSR | NSR | 2.5E-05 | 7.0E-02 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-39 | 128 | 141.1 | -59.3 | less-open | 36 | 264 | 251 | 161 | 4 | W | 245-290 | 45 | 2.5E-05 | 7.0E-02 | 0.5 | -- | -- | -- | 0.6 | -- | -- |
| MW-39 | 129 | 141.6 | -59.8 | less-open | 51 | 139 | 126 | 36 | 1 | SE | 116-165 | 49 | 2.5E-05 | 7.0E-02 | 0.5 | 1.0 | -- | -- | -- | -- | -- |
| MW-39 | 130 | 142.0 | -60.1 | less-open | 48 | 140 | 127 | 37 | 1 | SE | 116-165 | 49 | 2.5E-05 | 7.0E-02 | 0.3 | 0.3 | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-39 | 131 | 142.8 | -60.9 | less-open | 59 | 342 | 329 | 239 | 2 | NW | 291-335 | 44 | 2.5E-05 | 7.0E-02 | 0.8 | -- | 29.5 | -- | -- | -- | -- |
| MW-39 | 132 | 144.8 | -62.9 | less-open | 80 | 99 | 86 | 356 | 3 | E | 70-115 | 45 | 2.5E-05 | 7.0E-02 | 2.0 | -- | -- | 5.0 | -- | -- | -- |
| MW-39 | 133 | 145.6 | -63.7 | less-open | 79 | 305 | 292 | 202 | 2 | NW | 291-335 | 44 | 2.5E-05 | 7.0E-02 | 0.8 | -- | 2.8 | -- | -- | -- | -- |
| MW-39 | 134 | 146.8 | -64.9 | less-open | 62 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | 2.5E-05 | 7.0E-02 | 1.2 | -- | -- | 2.0 | -- | -- | -- |
| MW-39 | 135 | 147.8 | -65.9 | less-open | 75 | 333 | 320 | 230 | 2 | NW | 291-335 | 44 | 2.5E-05 | 7.0E-02 | 1.0 | -- | 2.2 | -- | -- | -- | -- |
| MW-39 | 136 | 147.9 | -66.0 | less-open | 73 | 125 | 112 | 22 | 3 | E | 70-115 | 45 | 2.5E-05 | 7.0E-02 | 0.1 | -- | -- | 1.1 | -- | -- | -- |
| MW-39 | 137 | 148.5 | -66.6 | less-open | 75 | 194 | 181 | 91 | 5 | S | 166-200 | 34 | 2.5E-05 | 7.0E-02 | 0.6 | -- | -- | -- | -- | 51.1 | -- |
| MW-39 | 138 | 149.8 | -67.9 | less-open | 64 | 184 | 171 | 81 | 5 | S | 166-200 | 34 | TNP | TNP | 1.3 | -- | -- | -- | -- | 1.3 | -- |
| MW-39 | 139 | 152.7 | -70.8 | less-open | 56 | 124 | 111 | 21 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 2.9 | -- | -- | 4.8 | -- | -- | -- |
| MW-39 | 140 | 153.1 | -71.3 | less-open | 56 | 130 | 117 | 27 | 1 | SE | 116-165 | 49 | 7.1E-06 | 2.0E-02 | 0.4 | 11.2 | -- | -- | -- | -- | -- |
| MW-39 | 141 | 153.5 | -71.7 | less-open | 58 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.4 | -- | -- | 0.8 | -- | -- | -- |
| MW-39 | 142 | 154.0 | -72.1 | less-open | 60 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-39 | 143 | 154.2 | -72.3 | less-open | 66 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-39 | 144 | 154.3 | -72.5 | less-open | 64 | 111 | 98 | 8 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-39 | 145 | 155.0 | -73.1 | less-open | 62 | 130 | 117 | 27 | 1 | SE | 116-165 | 49 | 7.1E-06 | 2.0E-02 | 0.7 | 1.9 | -- | -- | -- | -- | -- |
| MW-39 | 146 | 155.5 | -73.6 | less-open | 74 | 97 | 84 | 354 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.5 | -- | -- | 1.2 | -- | -- | -- |
| MW-39 | 147 | 156.6 | -74.7 | less-open | 56 | 121 | 108 | 18 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 1.1 | -- | -- | 1.1 | -- | -- | -- |
| MW-39 | 148 | 157.3 | -75.4 | less-open | 72 | 89 | 76 | 346 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.7 | -- | -- | 0.7 | -- | -- | -- |
| MW-39 | 149 | 158.0 | -76.1 | less-open | 67 | 85 | 72 | 342 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.7 | -- | -- | 0.7 | -- | -- | -- |
| MW-39 | 150 | 158.4 | -76.5 | less-open | 61 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-39 | 151 | 159.0 | -77.2 | less-open | 49 | 85 | 72 | 342 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.7 | -- | -- | 0.7 | -- | -- | -- |
| MW-39 | 152 | 160.0 | -78.1 | less-open | 61 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.9 | -- | -- | 0.9 | -- | -- | -- |
| MW-39 | 153 | 160.0 | -78.2 | less-open | 62 | 103 | 90 | 360 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-39 | 154 | 160.4 | -78.5 | less-open | 66 | 105 | 92 | 2 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-39 | 155 | 160.5 | -78.6 | less-open | 70 | 97 | 84 | 354 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-39 | 156 | 161.4 | -79.6 | less-open | 70 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | 7.1E-06 | 2.0E-02 | 0.9 | -- | -- | 0.9 | -- | -- | -- |
| MW-39 | 157 | 166.7 | -84.8 | less-open | 57 | 99 | 86 | 356 | 3 | E | 70-115 | 45 | 1.8E-06 | 5.0E-03 | 5.2 | -- | -- | 5.2 | -- | -- | -- |
| MW-39 | 158 | 166.9 | -85.0 | less-open | 52 | 124 | 111 | 21 | 3 | E | 70-115 | 45 | 1.8E-06 | 5.0E-03 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-39 | 159 | 167.5 | -85.7 | less-open | 45 | 136 | 123 | 33 | 1 | SE | 116-165 | 49 | 1.8E-06 | 5.0E-03 | 0.6 | 12.5 | -- | -- | -- | -- | -- |
| MW-39 | 160 | 168.3 | -86.4 | less-open | 47 | 126 | 113 | 23 | 3 | E | 70-115 | 45 | 1.8E-06 | 5.0E-03 | 0.7 | -- | -- | 1.4 | -- | -- | -- |
| MW-39 | 161 | 169.5 | -87.6 | less-open | 48 | 183 | 170 | 80 | 5 | S | 166-200 | 34 | 1.8E-06 | 5.0E-03 | 1.2 | -- | -- | -- | -- | 19.7 | -- |
| MW-39 | 162 | 170.8 | -89.0 | less-open | 67 | 211 | 198 | 108 | 5 | S | 166-200 | 34 | 1.8E-06 | 5.0E-03 | 1.3 | -- | -- | -- | -- | 1.3 | -- |
| MW-39 | 163 | 172.2 | -90.3 | less-open | 54 | 164 | 151 | 61 | 1 | SE | 116-165 | 49 | 1.8E-06 | 5.0E-03 | 1.4 | 4.7 | -- | -- | -- | -- | -- |
| MW-39 | 164 | 172.6 | -90.7 | less-open | 52 | 157 | 144 | 54 | 1 | SE | 116-165 | 49 | 1.8E-06 | 5.0E-03 | 0.4 | 0.4 | -- | -- | -- | -- | -- |
| MW-39 | 165 | 172.9 | -91.0 | less-open | 48 | 137 | 124 | 34 | 1 | SE | 116-165 | 49 | 1.8E-06 | 5.0E-03 | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-39 | 166 | 173.6 | -91.7 | less-open | 56 | 161 | 148 | 58 | 1 | SE | 116-165 | 49 | 1.8E-06 | 5.0E-03 | 0.6 | 0.6 | -- | -- | -- | -- | -- |
| MW-39 | 167 | 174.4 | -92.5 | less-open | 58 | 141 | 128 | 38 | 1 | SE | 116-165 | 49 | 1.8E-06 | 5.0E-03 | 0.8 | 0.8 | -- | -- | -- | -- | -- |
| MW-39 | 168 | 174.5 | -92.7 | less-open | 56 | 120 | 107 | 17 | 3 | E | 70-115 | 45 | 1.8E-06 | 5.0E-03 | 0.2 | -- | -- | 6.3 | -- | -- | -- |
| MW-39 | 169 | 174.6 | -92.7 | less-open | 56 | 127 | 114 | 24 | 3 | E | 70-115 | 45 | 1.8E-06 | 5.0E-03 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-39 | 170 | 175.3 | -93.4 | less-open | 55 | 129 | 116 | 26 | 1 | SE | 116-165 | 49 | 2.1E-04 | 6.0E-01 | 0.7 | 0.9 | -- | -- | -- | -- | -- |
| MW-39 | 171 | 175.5 | -93.6 | less-open | 59 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | 2.1E-04 | 6.0E-01 | 0.2 | -- | -- | 0.8 | -- | -- | -- |
| MW-39 | 172 | 175.7 | -93.8 | less-open | 57 | 122 | 109 | 19 | 3 | E | 70-115 | 45 | 2.1E-04 | 6.0E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-39 | 173 | 176.2 | -94.3 | less-open | 56 | 130 | 117 | 27 | 1 | SE | 116-165 | 49 | 2.1E-04 | 6.0E-01 | 0.5 | 0.9 | -- | -- | -- | -- | -- |
| MW-39 | 174 | 176.4 | -94.6 | less-open | 55 | 126 | 113 | 23 | 3 | E | 70-115 | 45 | 2.1E-04 | 6.0E-01 | 0.3 | -- | -- | 0.8 | -- | -- | -- |
| MW-39 | 175 | 177.2 | -95.3 | less-open | 75 | 161 | 148 | 58 | 1 | SE | 116-165 | 49 | 2.1E-04 | 6.0E-01 | 0.8 | 1.0 | -- | -- | -- | -- | -- |
| MW-39 | 176 | 178.4 | -96.6 | less-open | 76 | 164 | 151 | 61 | 1 | SE | 116-165 | 49 | 2.1E-04 | 6.0E-01 | 1.2 | 1.2 | -- | -- | -- | -- | -- |
| MW-39 | 177 | 179.6 | -97.7 | less-open | 57 | 129 | 116 | 26 | 1 | SE | 116-165 | 49 | 2.1E-04 | 6.0E-01 | 1.1 | 1.1 | -- | -- | -- | -- | -- |
| MW-39 | 178 | 179.7 | -97.8 | less-open | 58 | 125 | 112 | 22 | 3 | E | 70-115 | 45 | 2.1E-04 | 6.0E-01 | 0.2 | -- | -- | 3.3 | -- | -- | -- |
| MW-39 | 179 | 179.9 | -98.0 | less-open | 50 | 125 | 112 | 22 | 3 | E | 70-115 | 45 | 2.1E-04 | 6.0E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-39 | 180 | 180.1 | -98.2 | less-open | 58 | 131 | 118 | 28 | 1 | SE | 116-165 | 49 | 2.1E-04 | 6.0E-01 | 0.2 | 0.5 | -- | -- | -- | -- | -- |
| MW-39 | 181 | 180.5 | -98.7 | less-open | 61 | 130 | 117 | 27 | 1 | SE | 116-165 | 49 | 2.1E-04 | 6.0E-01 | 0.4 | 0.4 | -- | -- | -- | -- | -- |
| MW-39 | 182 | 181.1 | -99.3 | less-open | 64 | 120 | 107 | 17 | 3 | E | 70-115 | 45 | 2.1E-04 | 6.0E-01 | 0.6 | -- | -- | 1.3 | -- | -- | -- |
| MW-39 | 183 | 181.3 | -99.4 | less-open | 60 | 131 | 118 | 28 | 1 | SE | 116-165 | 49 | 2.1E-04 | 6.0E-01 | 0.2 | 0.8 | -- | -- | -- | -- | -- |
| MW-39 | 184 | 181.6 | -99.8 | less-open | 61 | 131 | 118 | 28 | 1 | SE | 116-165 | 49 | 2.1E-04 | 6.0E-01 | 0.3 | 0.3 | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-39 | 185 | 181.9 | -100.0 | less-open | 52 | 130 | 117 | 27 | 1 | SE | 116-165 | 49 | 2.1E-04 | 6.0E-01 | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-39 | 186 | 182.3 | -100.4 | less-open | 61 | 122 | 109 | 19 | 3 | E | 70-115 | 45 | 2.1E-04 | 6.0E-01 | 0.4 | -- | -- | 1.1 | -- | -- | -- |
| MW-39 | 187 | 182.4 | -100.5 | less-open | 46 | 307 | 294 | 204 | 2 | NW | 291-335 | 44 | 2.1E-04 | 6.0E-01 | 0.1 | -- | 34.6 | -- | -- | -- | -- |
| MW-39 | 188 | 183.0 | -101.1 | less-open | 34 | 147 | 134 | 44 | 1 | SE | 116-165 | 49 | 2.1E-04 | 6.0E-01 | 0.6 | 1.1 | -- | -- | -- | -- | -- |
| MW-39 | 189 | 183.7 | -101.8 | less-open | 64 | 156 | 143 | 53 | 1 | SE | 116-165 | 49 | 2.1E-04 | 6.0E-01 | 0.7 | 0.7 | -- | -- | -- | -- | -- |
| MW-39 | 190 | 184.0 | -102.1 | less-open | 56 | 124 | 111 | 21 | 3 | E | 70-115 | 45 | 2.1E-04 | 6.0E-01 | 0.3 | -- | -- | 1.7 | -- | -- | -- |
| MW-39 | 191 | 184.1 | -102.3 | less-open | 48 | 128 | 115 | 25 | 3 | E | 70-115 | 45 | 2.1E-04 | 6.0E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-39 | 192 | 184.2 | -102.3 | less-open | 47 | 157 | 144 | 54 | 1 | SE | 116-165 | 49 | 2.1E-04 | 6.0E-01 | 0.1 | 0.5 | -- | -- | -- | -- | -- |
| MW-39 | 193 | 184.6 | -102.7 | less-open | 53 | 193 | 180 | 90 | 5 | S | 166-200 | 34 | 2.1E-04 | 6.0E-01 | 0.4 | -- | -- | -- | -- | 13.8 | -- |
| MW-39 | 194 | 187.6 | -105.7 | less-open | 73 | 168 | 155 | 65 | 1 | SE | 116-165 | 49 | 2.5E-04 | 7.0E-01 | 3.0 | 3.4 | -- | -- | -- | -- | -- |
| MW-39 | 195 | 189.1 | -107.3 | less-open | 47 | 104 | 91 | 1 | 3 | E | 70-115 | 45 | 2.5E-04 | 7.0E-01 | 1.5 | -- | -- | 5.0 | -- | -- | -- |
| MW-39 | 196 | 190.7 | -108.8 | less-open | 79 | 188 | 175 | 85 | 5 | S | 166-200 | 34 | 2.5E-04 | 7.0E-01 | 1.6 | -- | -- | -- | -- | 6.1 | -- |
| MW-39 | 197 | 193.8 | -111.9 | less-open | 62 | 111 | 98 | 8 | 3 | E | 70-115 | 45 | 2.5E-04 | 7.0E-01 | 3.1 | -- | -- | 4.7 | -- | -- | -- |
| MW-39 | 198 | 194.3 | -112.4 | less-open | 61 | 149 | 136 | 46 | 1 | SE | 116-165 | 49 | 2.5E-04 | 7.0E-01 | 0.4 | 6.6 | -- | -- | -- | -- | -- |
| MW-39 | 199 | 195.3 | -113.4 | less-open | 60 | 139 | 126 | 36 | 1 | SE | 116-165 | 49 | TNP | TNP | 1.0 | 1.0 | -- | -- | -- | -- | -- |
| MW-39 | 200 | 195.5 | -113.6 | less-open | 72 | 168 | 155 | 65 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-39 | 201 | 196.5 | -114.7 | less-open | 59 | 131 | 118 | 28 | 1 | SE | 116-165 | 49 | TNP | TNP | 1.0 | 1.0 | -- | -- | -- | -- | -- |
| MW-39 | 202 | 196.5 | -114.7 | less-open | 64 | 170 | 157 | 67 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.0 | 0.0 | -- | -- | -- | -- | -- |
| MW-39 | 203 | 196.6 | -114.7 | less-open | 57 | 146 | 133 | 43 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-39 | 204 | 196.9 | -115.0 | less-open | 47 | 151 | 138 | 48 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-39 | 205 | 196.9 | -115.0 | less-open | 55 | 211 | 198 | 108 | 5 | S | 166-200 | 34 | TNP | TNP | 0.0 | -- | -- | -- | -- | 6.2 | -- |
| MW-39 | 206 | 197.1 | -115.2 | less-open | 46 | 166 | 153 | 63 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-39 | 207 | 197.4 | -115.5 | less-open | 49 | 151 | 138 | 48 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-39 | 208 | 197.9 | -116.1 | less-open | 4 | 157 | 144 | 54 | NSR | NSR | NSR | NSR | TNP | TNP | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-39 | 209 | 198.8 | -116.9 | less-open | 1 | 199 | 186 | 96 | NSR | NSR | NSR | NSR | TNP | TNP | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-39 | 210 | 198.9 | -117.1 | less-open | 2 | 206 | 193 | 103 | NSR | NSR | NSR | NSR | TNP | TNP | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-39 | 211 | 199.2 | -117.3 | less-open | 2 | 189 | 176 | 86 | NSR | NSR | NSR | NSR | TNP | TNP | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-40 | 1 | 17.2 | 57.8 | less-open | 48 | 209 | 196 | 106 | 5 | S | 166-200 | 34 | TNP | TNP | NA | -- | -- | -- | -- | 17.2 | -- |
| MW-40 | 2 | 17.3 | 57.7 | less-open | 44 | 211 | 198 | 108 | 5 | S | 166-200 | 34 | TNP | TNP | 0.1 | -- | -- | -- | -- | 0.1 | -- |
| MW-40 | 3 | 18.4 | 56.6 | less-open | 61 | 119 | 106 | 16 | 3 | E | 70-115 | 45 | 3.2E-03 | 9.1E+00 | 1.1 | -- | -- | 18.4 | -- | -- | -- |
| MW-40 | 4 | 18.8 | 56.2 | open | 11 | 239 | 226 | 136 | NSR | NSR | NSR | NSR | 3.2E-03 | 9.1E+00 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-40 | 5 | 19.4 | 55.6 | less-open | 59 | 18 | 5 | 275 | 6 | N | 336-21 | 45 | 3.2E-03 | 9.1E+00 | 0.5 | -- | -- | -- | -- | -- | 19.4 |
| MW-40 | 6 | 20.5 | 54.5 | open | 12 | 146 | 133 | 43 | NSR | NSR | NSR | NSR | 3.2E-03 | 9.1E+00 | 1.1 | -- | -- | -- | -- | -- | -- |
| MW-40 | 7 | 21.5 | 53.5 | open | 32 | 138 | 125 | 35 | NSR | NSR | NSR | NSR | 3.2E-03 | 9.1E+00 | 1.1 | -- | -- | -- | -- | -- | -- |
| MW-40 | 8 | 22.4 | 52.5 | less-open | 59 | 342 | 329 | 239 | 2 | NW | 291-335 | 44 | 3.2E-03 | 9.1E+00 | 0.9 | -- | 22.4 | -- | -- | -- | -- |
| MW-40 | 9 | 22.7 | 52.3 | less-open | 59 | 358 | 345 | 255 | 6 | N | 336-21 | 45 | 3.2E-03 | 9.1E+00 | 0.3 | -- | -- | -- | -- | -- | 3.4 |
| MW-40 | 10 | 22.9 | 52.1 | less-open | 58 | 352 | 339 | 249 | 6 | N | 336-21 | 45 | 3.2E-03 | 9.1E+00 | 0.1 | -- | -- | -- | -- | -- | 0.1 |
| MW-40 | 11 | 22.9 | 52.0 | open | 15 | 335 | 322 | 232 | NSR | NSR | NSR | NSR | 3.2E-03 | 9.1E+00 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-40 | 12 | 23.0 | 52.0 | less-open | 60 | 344 | 331 | 241 | 2 | NW | 291-335 | 44 | 3.2E-03 | 9.1E+00 | 0.1 | -- | 0.6 | -- | -- | -- | -- |
| MW-40 | 13 | 23.2 | 51.8 | less-open | 55 | 360 | 347 | 257 | 6 | N | 336-21 | 45 | 3.2E-03 | 9.1E+00 | 0.2 | -- | -- | -- | -- | -- | 0.3 |
| MW-40 | 14 | 23.9 | 51.1 | less-open | 45 | 335 | 322 | 232 | 2 | NW | 291-335 | 44 | 3.2E-03 | 9.1E+00 | 0.8 | -- | 0.9 | -- | -- | -- | -- |
| MW-40 | 15 | 24.2 | 50.8 | less-open | 50 | 336 | 323 | 233 | 2 | NW | 291-335 | 44 | 3.2E-03 | 9.1E+00 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-40 | 16 | 24.3 | 50.7 | less-open | 58 | 331 | 318 | 228 | 2 | NW | 291-335 | 44 | 3.2E-03 | 9.1E+00 | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-40 | 17 | 24.5 | 50.5 | less-open | 66 | 341 | 328 | 238 | 2 | NW | 291-335 | 44 | 3.2E-03 | 9.1E+00 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-40 | 18 | 24.7 | 50.3 | less-open | 30 | 357 | 344 | 254 | NSR | NSR | NSR | NSR | 3.2E-03 | 9.1E+00 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-40 | 19 | 25.5 | 49.5 | less-open | 65 | 9 | 356 | 266 | 6 | N | 336-21 | 45 | 3.2E-03 | 9.1E+00 | 0.8 | -- | -- | -- | -- | -- | 2.3 |
| MW-40 | 20 | 26.2 | 48.8 | less-open | 29 | 3 | 350 | 260 | NSR | NSR | NSR | NSR | 3.2E-03 | 9.1E+00 | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-40 | 21 | 26.4 | 48.5 | open | 31 | 2 | 349 | 259 | NSR | NSR | NSR | NSR | 3.2E-03 | 9.1E+00 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-40 | 22 | 26.8 | 48.2 | less-open | 44 | 352 | 339 | 249 | 6 | N | 336-21 | 45 | 3.2E-03 | 9.1E+00 | 0.3 | -- | -- | -- | -- | -- | 1.3 |
| MW-40 | 23 | 27.3 | 47.7 | less-open | 44 | 355 | 342 | 252 | 6 | N | 336-21 | 45 | 3.2E-03 | 9.1E+00 | 0.5 | -- | -- | -- | -- | -- | 0.5 |
| MW-40 | 24 | 28.2 | 46.8 | less-open | 68 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | 3.9E-04 | 1.1E+00 | 0.9 | -- | -- | 9.8 | -- | -- | -- |
| MW-40 | 25 | 28.2 | 46.8 | less-open | 59 | 344 | 331 | 241 | 2 | NW | 291-335 | 44 | 3.9E-04 | 1.1E+00 | 0.0 | -- | 3.7 | -- | -- | -- | -- |
| MW-40 | 26 | 28.2 | 46.8 | less-open | 40 | 11 | 358 | 268 | 6 | N | 336-21 | 45 | 3.9E-04 | 1.1E+00 | 0.0 | -- | -- | -- | -- | -- | 1.0 |
| MW-40 | 27 | 28.6 | 46.4 | less-open | 42 | 14 | 1 | 271 | 6 | N | 336-21 | 45 | 3.9E-04 | 1.1E+00 | 0.4 | -- | -- | -- | -- | -- | 0.4 |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | | ft/day | | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-40 | 28 | 29.2 | 45.8 | less-open | 57 | 325 | 312 | 222 | 2 | NW | 291-335 | 44 | 3.9E-04 | | 1.1E+00 | | 0.6 | -- | 1.0 | -- | -- | -- | -- |
| MW-40 | 29 | 29.3 | 45.7 | less-open | 60 | 341 | 328 | 238 | 2 | NW | 291-335 | 44 | 3.9E-04 | | 1.1E+00 | | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-40 | 30 | 29.3 | 45.7 | less-open | 24 | 338 | 325 | 235 | NSR | NSR | NSR | NSR | 3.9E-04 | | 1.1E+00 | | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-40 | 31 | 29.7 | 45.3 | less-open | 54 | 136 | 123 | 33 | 1 | SE | 116-165 | 49 | 3.9E-04 | | 1.1E+00 | | 0.4 | 29.7 | -- | -- | -- | -- | -- |
| MW-40 | 32 | 29.9 | 45.1 | open | 23 | 273 | 260 | 170 | NSR | NSR | NSR | NSR | 3.9E-04 | | 1.1E+00 | | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-40 | 33 | 30.5 | 44.5 | less-open | 50 | 159 | 146 | 56 | 1 | SE | 116-165 | 49 | 3.9E-04 | | 1.1E+00 | | 0.6 | 0.8 | -- | -- | -- | -- | -- |
| MW-40 | 34 | 30.6 | 44.4 | less-open | 38 | 29 | 16 | 286 | 6 | N | 336-21 | 45 | 3.9E-04 | | 1.1E+00 | | 0.1 | -- | -- | -- | -- | -- | 2.0 |
| MW-40 | 35 | 31.0 | 44.0 | less-open | 50 | 153 | 140 | 50 | 1 | SE | 116-165 | 49 | 3.9E-04 | | 1.1E+00 | | 0.4 | 0.5 | -- | -- | -- | -- | -- |
| MW-40 | 36 | 31.1 | 43.9 | less-open | 43 | 125 | 112 | 22 | 3 | E | 70-115 | 45 | 3.9E-04 | | 1.1E+00 | | 0.1 | -- | -- | 2.9 | -- | -- | -- |
| MW-40 | 37 | 32.0 | 43.0 | less-open | 66 | 11 | 358 | 268 | 6 | N | 336-21 | 45 | 3.9E-04 | | 1.1E+00 | | 0.9 | -- | -- | -- | -- | -- | 1.4 |
| MW-40 | 38 | 32.2 | 42.8 | less-open | 60 | 336 | 323 | 233 | 2 | NW | 291-335 | 44 | 3.9E-04 | | 1.1E+00 | | 0.1 | -- | 2.9 | -- | -- | -- | -- |
| MW-40 | 39 | 32.6 | 42.4 | less-open | 53 | 153 | 140 | 50 | 1 | SE | 116-165 | 49 | 3.9E-04 | | 1.1E+00 | | 0.4 | 1.6 | -- | -- | -- | -- | -- |
| MW-40 | 40 | 33.0 | 42.0 | less-open | 57 | 131 | 118 | 28 | 1 | SE | 116-165 | 49 | 3.9E-04 | | 1.1E+00 | | 0.4 | 0.4 | -- | -- | -- | -- | -- |
| MW-40 | 41 | 33.4 | 41.6 | less-open | 5 | 42 | 29 | 299 | NSR | NSR | NSR | NSR | 3.9E-04 | | 1.1E+00 | | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-40 | 42 | 33.6 | 41.3 | less-open | 51 | 14 | 1 | 271 | 6 | N | 336-21 | 45 | 3.9E-04 | | 1.1E+00 | | 0.2 | -- | -- | -- | -- | -- | 1.6 |
| MW-40 | 43 | 34.7 | 40.3 | less-open | 65 | 335 | 322 | 232 | 2 | NW | 291-335 | 44 | 3.9E-04 | 7.1E-06 | 1.1E+00 | 2.0E-02 | 1.1 | -- | 2.6 | -- | -- | -- | -- |
| MW-40 | 44 | 35.0 | 39.9 | open | 24 | 86 | 73 | 343 | NSR | NSR | NSR | NSR | 3.9E-04 | 7.1E-06 | 1.1E+00 | 2.0E-02 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-40 | 45 | 35.3 | 39.6 | less-open | 54 | 3 | 350 | 260 | 6 | N | 336-21 | 45 | 3.9E-04 | 7.1E-06 | 1.1E+00 | 2.0E-02 | 0.3 | -- | -- | -- | -- | -- | 1.7 |
| MW-40 | 46 | 35.6 | 39.4 | less-open | 50 | 9 | 356 | 266 | 6 | N | 336-21 | 45 | 3.9E-04 | 7.1E-06 | 1.1E+00 | 2.0E-02 | 0.2 | -- | -- | -- | -- | -- | 0.2 |
| MW-40 | 47 | 35.8 | 39.2 | less-open | 63 | 3 | 350 | 260 | 6 | N | 336-21 | 45 | 3.9E-04 | 7.1E-06 | 1.1E+00 | 2.0E-02 | 0.2 | -- | -- | -- | -- | -- | 0.2 |
| MW-40 | 48 | 36.0 | 39.0 | less-open | 70 | 348 | 335 | 245 | 2 | NW | 291-335 | 44 | 3.9E-04 | 7.1E-06 | 1.1E+00 | 2.0E-02 | 0.2 | -- | 1.3 | -- | -- | -- | -- |
| MW-40 | 49 | 36.3 | 38.7 | less-open | 76 | 353 | 340 | 250 | 6 | N | 336-21 | 45 | 3.9E-04 | 7.1E-06 | 1.1E+00 | 2.0E-02 | 0.3 | -- | -- | -- | -- | -- | 0.5 |
| MW-40 | 50 | 36.7 | 38.3 | less-open | 56 | 359 | 346 | 256 | 6 | N | 336-21 | 45 | 3.9E-04 | 7.1E-06 | 1.1E+00 | 2.0E-02 | 0.4 | -- | -- | -- | -- | -- | 0.4 |
| MW-40 | 51 | 36.8 | 38.2 | less-open | 54 | 8 | 355 | 265 | 6 | N | 336-21 | 45 | 3.9E-04 | 7.1E-06 | 1.1E+00 | 2.0E-02 | 0.1 | -- | -- | -- | -- | -- | 0.1 |
| MW-40 | 52 | 36.9 | 38.1 | less-open | 43 | 7 | 354 | 264 | 6 | N | 336-21 | 45 | 3.9E-04 | 7.1E-06 | 1.1E+00 | 2.0E-02 | 0.0 | -- | -- | -- | -- | -- | 0.0 |
| MW-40 | 53 | 36.9 | 38.1 | less-open | 38 | 350 | 337 | 247 | 6 | N | 336-21 | 45 | 3.9E-04 | 7.1E-06 | 1.1E+00 | 2.0E-02 | 0.1 | -- | -- | -- | -- | -- | 0.1 |
| MW-40 | 54 | 37.1 | 37.9 | less-open | 51 | 350 | 337 | 247 | 6 | N | 336-21 | 45 | 3.9E-04 | 7.1E-06 | 1.1E+00 | 2.0E-02 | 0.2 | -- | -- | -- | -- | -- | 0.2 |
| MW-40 | 55 | 37.2 | 37.8 | less-open | 53 | 351 | 338 | 248 | 6 | N | 336-21 | 45 | 3.9E-04 | 7.1E-06 | 1.1E+00 | 2.0E-02 | 0.1 | -- | -- | -- | -- | -- | 0.1 |
| MW-40 | 56 | 37.5 | 37.5 | less-open | 47 | 14 | 1 | 271 | 6 | N | 336-21 | 45 | 3.9E-04 | 7.1E-06 | 1.1E+00 | 2.0E-02 | 0.3 | -- | -- | -- | -- | -- | 0.3 |
| MW-40 | 57 | 38.2 | 36.8 | less-open | 60 | 9 | 356 | 266 | 6 | N | 336-21 | 45 | | 7.1E-06 | | 2.0E-02 | 0.7 | -- | -- | -- | -- | -- | 0.7 |
| MW-40 | 58 | 38.4 | 36.6 | less-open | 56 | 7 | 354 | 264 | 6 | N | 336-21 | 45 | | 7.1E-06 | | 2.0E-02 | 0.2 | -- | -- | -- | -- | -- | 0.2 |
| MW-40 | 59 | 40.5 | 34.5 | less-open | 73 | 347 | 334 | 244 | 2 | NW | 291-335 | 44 | | 7.1E-06 | | 2.0E-02 | 2.1 | -- | 4.4 | -- | -- | -- | -- |
| MW-40 | 60 | 40.6 | 34.4 | less-open | 70 | 114 | 101 | 11 | 3 | E | 70-115 | 45 | | 7.1E-06 | | 2.0E-02 | 0.1 | -- | -- | 9.5 | -- | -- | -- |
| MW-40 | 61 | 41.7 | 33.3 | less-open | 67 | 132 | 119 | 29 | 1 | SE | 116-165 | 49 | | 7.1E-06 | | 2.0E-02 | 1.1 | 8.7 | -- | -- | -- | -- | -- |
| MW-40 | 62 | 41.9 | 33.1 | less-open | 39 | 9 | 356 | 266 | 6 | N | 336-21 | 45 | | 7.1E-06 | | 2.0E-02 | 0.2 | -- | -- | -- | -- | -- | 3.5 |
| MW-40 | 63 | 42.6 | 32.4 | less-open | 26 | 57 | 44 | 314 | NSR | NSR | NSR | NSR | | 7.1E-06 | | 2.0E-02 | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-40 | 64 | 43.4 | 31.6 | less-open | 38 | 7 | 354 | 264 | 6 | N | 336-21 | 45 | | 7.1E-06 | | 2.0E-02 | 0.8 | -- | -- | -- | -- | -- | 1.5 |
| MW-40 | 65 | 44.3 | 30.7 | less-open | 30 | 148 | 135 | 45 | NSR | NSR | NSR | NSR | 1.4E-05 | | 4.0E-02 | | 0.9 | -- | -- | -- | -- | -- | -- |
| MW-40 | 66 | 47.6 | 27.4 | open | 41 | 10 | 357 | 267 | 6 | N | 336-21 | 45 | 1.4E-05 | | 4.0E-02 | | 3.3 | -- | -- | -- | -- | -- | 4.2 |
| MW-40 | 67 | 48.2 | 26.8 | less-open | 39 | 8 | 355 | 265 | 6 | N | 336-21 | 45 | 1.4E-05 | | 4.0E-02 | | 0.6 | -- | -- | -- | -- | -- | 0.6 |
| MW-40 | 68 | 49.1 | 25.9 | less-open | 46 | 315 | 302 | 212 | 2 | NW | 291-335 | 44 | 1.4E-05 | | 4.0E-02 | | 0.9 | -- | 8.7 | -- | -- | -- | -- |
| MW-40 | 69 | 49.8 | 25.2 | less-open | 52 | 8 | 355 | 265 | 6 | N | 336-21 | 45 | 1.4E-05 | | 4.0E-02 | | 0.7 | -- | -- | -- | -- | -- | 1.6 |
| MW-40 | 70 | 50.4 | 24.5 | less-open | 41 | 14 | 1 | 271 | 6 | N | 336-21 | 45 | 1.4E-05 | | 4.0E-02 | | 0.6 | -- | -- | -- | -- | -- | 0.6 |
| MW-40 | 71 | 51.5 | 23.4 | less-open | 29 | 17 | 4 | 274 | NSR | NSR | NSR | NSR | 1.4E-05 | | 4.0E-02 | | 1.1 | -- | -- | -- | -- | -- | -- |
| MW-40 | 72 | 53.4 | 21.6 | less-open | 60 | 135 | 122 | 32 | 1 | SE | 116-165 | 49 | 1.4E-05 | 3.5E-05 | 4.0E-02 | 1.0E-01 | 1.9 | 11.7 | -- | -- | -- | -- | -- |
| MW-40 | 73 | 54.1 | 20.9 | less-open | 26 | 11 | 358 | 268 | NSR | NSR | NSR | NSR | | 3.5E-05 | | 1.0E-01 | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-40 | 74 | 55.4 | 19.6 | less-open | 43 | 350 | 337 | 247 | 6 | N | 336-21 | 45 | | 3.5E-05 | | 1.0E-01 | 1.3 | -- | -- | -- | -- | -- | 5.0 |
| MW-40 | 75 | 58.8 | 16.2 | less-open | 40 | 26 | 13 | 283 | 6 | N | 336-21 | 45 | | 3.5E-05 | | 1.0E-01 | 3.4 | -- | -- | -- | -- | -- | 3.4 |
| MW-40 | 76 | 59.7 | 15.3 | less-open | 65 | 349 | 336 | 246 | 6 | N | 336-21 | 45 | | 3.5E-05 | | 1.0E-01 | 0.9 | -- | -- | -- | -- | -- | 0.9 |
| MW-40 | 77 | 60.5 | 14.4 | less-open | 64 | 350 | 337 | 247 | 6 | N | 336-21 | 45 | | 3.5E-05 | | 1.0E-01 | 0.8 | -- | -- | -- | -- | -- | 0.8 |
| MW-40 | 78 | 61.3 | 13.7 | less-open | 41 | 6 | 353 | 263 | 6 | N | 336-21 | 45 | | 3.5E-05 | | 1.0E-01 | 0.7 | -- | -- | -- | -- | -- | 0.7 |
| MW-40 | 79 | 61.6 | 13.4 | less-open | 53 | 18 | 5 | 275 | 6 | N | 336-21 | 45 | | 3.5E-05 | | 1.0E-01 | 0.4 | -- | -- | -- | -- | -- | 0.4 |
| MW-40 | 80 | 63.0 | 12.0 | less-open | 60 | 143 | 130 | 40 | 1 | SE | 116-165 | 49 | 3.5E-06 | | 1.0E-02 | | 1.3 | 9.6 | -- | -- | -- | -- | -- |
| MW-40 | 81 | 63.4 | 11.6 | less-open | 40 | 5 | 352 | 262 | 6 | N | 336-21 | 45 | 3.5E-06 | | 1.0E-02 | | 0.4 | -- | -- | -- | -- | -- | 1.7 |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-40 | 82 | 64.3 | 10.6 | less-open | 14 | 50 | 37 | 307 | NSR | NSR | NSR | NSR | 3.5E-06 | 1.0E-02 | 1.0 | -- | -- | -- | -- | -- | -- |
| MW-40 | 83 | 67.0 | 8.0 | less-open | 67 | 243 | 230 | 140 | NSR | NSR | NSR | NSR | 3.5E-06 | 1.0E-02 | 2.7 | -- | -- | -- | -- | -- | -- |
| MW-40 | 84 | 67.6 | 7.4 | less-open | 27 | 59 | 46 | 316 | NSR | NSR | NSR | NSR | 3.5E-06 | 1.0E-02 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-40 | 85 | 68.5 | 6.5 | less-open | 59 | 135 | 122 | 32 | 1 | SE | 116-165 | 49 | 3.5E-06 | 1.0E-02 | 0.9 | 5.5 | -- | -- | -- | -- | -- |
| MW-40 | 86 | 68.8 | 6.2 | less-open | 63 | 157 | 144 | 54 | 1 | SE | 116-165 | 49 | 3.5E-06 | 1.0E-02 | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-40 | 87 | 70.4 | 4.6 | open | 37 | 306 | 293 | 203 | 2 | NW | 291-335 | 44 | 3.5E-06 | 1.0E-02 | 1.6 | -- | 21.3 | -- | -- | -- | -- |
| MW-40 | 88 | 71.4 | 3.6 | less-open | 54 | 303 | 290 | 200 | 4 | W | 245-290 | 45 | 3.5E-06 | 1.0E-02 | 1.0 | -- | -- | -- | 71.4 | -- | -- |
| MW-40 | 89 | 71.8 | 3.2 | less-open | 36 | 7 | 354 | 264 | 6 | N | 336-21 | 45 | 3.5E-06 | 1.0E-02 | 0.4 | -- | -- | -- | -- | -- | 8.4 |
| MW-40 | 90 | 72.6 | 2.4 | less-open | 38 | 20 | 7 | 277 | 6 | N | 336-21 | 45 | 3.5E-06 | 1.0E-02 | 0.8 | -- | -- | -- | -- | -- | 0.8 |
| MW-40 | 91 | 74.2 | 0.8 | less-open | 57 | 119 | 106 | 16 | 3 | E | 70-115 | 45 | TNP | TNP | 1.5 | -- | -- | 33.6 | -- | -- | -- |
| MW-40 | 92 | 78.0 | -3.0 | less-open | 37 | 4 | 351 | 261 | 6 | N | 336-21 | 45 | TNP | TNP | 3.8 | -- | -- | -- | -- | -- | 5.3 |
| MW-40 | 93 | 80.2 | -5.2 | less-open | 46 | 359 | 346 | 256 | 6 | N | 336-21 | 45 | 3.5E-06 | 1.0E-02 | 2.2 | -- | -- | -- | -- | -- | 2.2 |
| MW-40 | 94 | 81.4 | -6.4 | less-open | 63 | 125 | 112 | 22 | 3 | E | 70-115 | 45 | 3.5E-06 | 1.0E-02 | 1.2 | -- | -- | 7.2 | -- | -- | -- |
| MW-40 | 95 | 81.8 | -6.8 | less-open | 64 | 131 | 118 | 28 | 1 | SE | 116-165 | 49 | 3.5E-06 | 1.0E-02 | 0.4 | 13.0 | -- | -- | -- | -- | -- |
| MW-40 | 96 | 82.4 | -7.4 | open | 61 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | 3.5E-06 | 1.0E-02 | 0.6 | -- | -- | 1.0 | -- | -- | -- |
| MW-40 | 97 | 83.6 | -8.6 | open | 60 | 121 | 108 | 18 | 3 | E | 70-115 | 45 | 3.5E-06 | 1.0E-02 | 1.2 | -- | -- | 1.2 | -- | -- | -- |
| MW-40 | 98 | 83.6 | -8.6 | less-open | 56 | 353 | 340 | 250 | 6 | N | 336-21 | 45 | 3.5E-06 | 1.0E-02 | 0.0 | -- | -- | -- | -- | -- | 3.4 |
| MW-40 | 99 | 85.2 | -10.3 | less-open | 69 | 354 | 341 | 251 | 6 | N | 336-21 | 45 | 3.5E-06 | 1.0E-02 | 1.6 | -- | -- | -- | -- | -- | 1.6 |
| MW-40 | 100 | 85.7 | -10.7 | less-open | 37 | 334 | 321 | 231 | 2 | NW | 291-335 | 44 | 3.5E-06 | 1.0E-02 | 0.5 | -- | 15.3 | -- | -- | -- | -- |
| MW-40 | 101 | 89.5 | -14.5 | less-open | 40 | 21 | 8 | 278 | 6 | N | 336-21 | 45 | 3.5E-06 | 1.0E-02 | 3.7 | -- | -- | -- | -- | -- | 4.2 |
| MW-40 | 102 | 89.9 | -14.9 | less-open | 63 | 144 | 131 | 41 | 1 | SE | 116-165 | 49 | 3.5E-06 | 1.0E-02 | 0.4 | 8.1 | -- | -- | -- | -- | -- |
| MW-40 | 103 | 91.1 | -16.1 | less-open | 51 | 8 | 355 | 265 | 6 | N | 336-21 | 45 | TNP | TNP | 1.2 | -- | -- | -- | -- | -- | 1.6 |
| MW-40 | 104 | 95.6 | -20.6 | less-open | 23 | 227 | 214 | 124 | NSR | NSR | NSR | NSR | 1.1E-04 | 3.0E-01 | 4.5 | -- | -- | -- | -- | -- | -- |
| MW-40 | 105 | 96.8 | -21.8 | less-open | 41 | 351 | 338 | 248 | 6 | N | 336-21 | 45 | 1.1E-04 | 3.0E-01 | 1.2 | -- | -- | -- | -- | -- | 5.7 |
| MW-40 | 106 | 97.5 | -22.6 | less-open | 49 | 327 | 314 | 224 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.8 | -- | 11.8 | -- | -- | -- | -- |
| MW-40 | 107 | 98.9 | -23.9 | less-open | 46 | 10 | 357 | 267 | 6 | N | 336-21 | 45 | 1.1E-04 | 3.0E-01 | 1.4 | -- | -- | -- | -- | -- | 2.2 |
| MW-40 | 108 | 99.2 | -24.2 | less-open | 41 | 6 | 353 | 263 | 6 | N | 336-21 | 45 | 1.1E-04 | 3.0E-01 | 0.3 | -- | -- | -- | -- | -- | 0.3 |
| MW-40 | 109 | 100.9 | -25.9 | less-open | 54 | 324 | 311 | 221 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 1.7 | -- | 3.3 | -- | -- | -- | -- |
| MW-40 | 110 | 101.3 | -26.3 | less-open | 40 | 347 | 334 | 244 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.4 | -- | 0.4 | -- | -- | -- | -- |
| MW-40 | 111 | 101.5 | -26.6 | less-open | 36 | 2 | 349 | 259 | 6 | N | 336-21 | 45 | 1.1E-04 | 3.0E-01 | 0.2 | -- | -- | -- | -- | -- | 2.4 |
| MW-40 | 112 | 101.9 | -26.9 | less-open | 49 | 345 | 332 | 242 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.4 | -- | 0.6 | -- | -- | -- | -- |
| MW-40 | 113 | 102.5 | -27.5 | less-open | 49 | 4 | 351 | 261 | 6 | N | 336-21 | 45 | 1.1E-04 | 3.0E-01 | 0.5 | -- | -- | -- | -- | -- | 0.9 |
| MW-40 | 114 | 103.0 | -28.1 | less-open | 75 | 68 | 55 | 325 | NSR | NSR | NSR | NSR | 1.1E-04 | 3.0E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-40 | 115 | 103.6 | -28.6 | less-open | 54 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.6 | -- | -- | 20.0 | -- | -- | -- |
| MW-40 | 116 | 104.1 | -29.1 | less-open | 55 | 345 | 332 | 242 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.5 | -- | 2.2 | -- | -- | -- | -- |
| MW-40 | 117 | 106.3 | -31.3 | less-open | 51 | 281 | 268 | 178 | 4 | W | 245-290 | 45 | TNP | TNP | 2.2 | -- | -- | -- | 34.9 | -- | -- |
| MW-40 | 118 | 107.0 | -32.0 | less-open | 29 | 289 | 276 | 186 | NSR | NSR | NSR | NSR | TNP | TNP | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-40 | 119 | 107.4 | -32.4 | less-open | 25 | 328 | 315 | 225 | NSR | NSR | NSR | NSR | TNP | TNP | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-40 | 120 | 115.5 | -40.5 | less-open | 34 | 243 | 230 | 140 | NSR | NSR | NSR | NSR | TNP | TNP | 8.1 | -- | -- | -- | -- | -- | -- |
| MW-40 | 121 | 117.6 | -42.6 | less-open | 55 | 105 | 92 | 2 | 3 | E | 70-115 | 45 | TNP | TNP | 2.1 | -- | -- | 14.0 | -- | -- | -- |
| MW-40 | 122 | 118.1 | -43.1 | less-open | 60 | 106 | 93 | 3 | 3 | E | 70-115 | 45 | TNP | TNP | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-40 | 123 | 118.3 | -43.3 | less-open | 56 | 332 | 319 | 229 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.2 | -- | 14.1 | -- | -- | -- | -- |
| MW-40 | 124 | 118.3 | -43.3 | less-open | 66 | 113 | 100 | 10 | 3 | E | 70-115 | 45 | TNP | TNP | 0.0 | -- | -- | 0.2 | -- | -- | -- |
| MW-40 | 125 | 119.0 | -44.0 | less-open | 38 | 294 | 281 | 191 | 4 | W | 245-290 | 45 | TNP | TNP | 0.7 | -- | -- | -- | 12.6 | -- | -- |
| MW-40 | 126 | 120.7 | -45.7 | less-open | 62 | 121 | 108 | 18 | 3 | E | 70-115 | 45 | TNP | TNP | 1.8 | -- | -- | 2.4 | -- | -- | -- |
| MW-40 | 127 | 121.5 | -46.6 | less-open | 49 | 354 | 341 | 251 | 6 | N | 336-21 | 45 | TNP | TNP | 0.8 | -- | -- | -- | -- | -- | 19.1 |
| MW-40 | 128 | 122.7 | -47.7 | less-open | 37 | 334 | 321 | 231 | 2 | NW | 291-335 | 44 | TNP | TNP | 1.1 | -- | 4.4 | -- | -- | -- | -- |
| MW-40 | 129 | 123.4 | -48.4 | less-open | 40 | 339 | 326 | 236 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.8 | -- | 0.8 | -- | -- | -- | -- |
| MW-40 | 130 | 124.9 | -49.9 | less-open | 50 | 356 | 343 | 253 | 6 | N | 336-21 | 45 | TNP | TNP | 1.4 | -- | -- | -- | -- | -- | 3.3 |
| MW-40 | 131 | 128.0 | -53.1 | less-open | 60 | 315 | 302 | 212 | 2 | NW | 291-335 | 44 | 7.1E-05 | 2.0E-01 | 3.2 | -- | 4.6 | -- | -- | -- | -- |
| MW-40 | 132 | 128.2 | -53.2 | less-open | 63 | 300 | 287 | 197 | 4 | W | 245-290 | 45 | 7.1E-05 | 2.0E-01 | 0.2 | -- | -- | -- | 9.3 | -- | -- |
| MW-40 | 133 | 128.5 | -53.5 | less-open | 46 | 292 | 279 | 189 | 4 | W | 245-290 | 45 | 7.1E-05 | 2.0E-01 | 0.2 | -- | -- | -- | 0.2 | -- | -- |
| MW-40 | 134 | 128.6 | -53.6 | less-open | 68 | 310 | 297 | 207 | 2 | NW | 291-335 | 44 | 7.1E-05 | 2.0E-01 | 0.1 | -- | 0.5 | -- | -- | -- | -- |
| MW-40 | 135 | 128.6 | -53.6 | less-open | 62 | 120 | 107 | 17 | 3 | E | 70-115 | 45 | 7.1E-05 | 2.0E-01 | 0.1 | -- | -- | 7.9 | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-40 | 136 | 129.5 | -54.5 | less-open | 60 | 330 | 317 | 227 | 2 | NW | 291-335 | 44 | 7.1E-05 | 2.0E-01 | 0.9 | -- | 0.9 | -- | -- | -- | -- |
| MW-40 | 137 | 130.3 | -55.3 | less-open | 49 | 3 | 350 | 260 | 6 | N | 336-21 | 45 | 7.1E-05 | 2.0E-01 | 0.8 | -- | -- | -- | -- | -- | 5.5 |
| MW-40 | 138 | 131.1 | -56.1 | less-open | 30 | 276 | 263 | 173 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-40 | 139 | 131.9 | -56.9 | less-open | 35 | 281 | 268 | 178 | 4 | W | 245-290 | 45 | 7.1E-05 | 2.0E-01 | 0.8 | -- | -- | -- | 3.4 | -- | -- |
| MW-40 | 140 | 134.5 | -59.5 | less-open | 56 | 252 | 239 | 149 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 2.6 | -- | -- | -- | -- | -- | -- |
| MW-40 | 141 | 135.1 | -60.1 | less-open | 52 | 278 | 265 | 175 | 4 | W | 245-290 | 45 | 7.1E-05 | 2.0E-01 | 0.7 | -- | -- | -- | 3.3 | -- | -- |
| MW-40 | 142 | 136.1 | -61.1 | less-open | 51 | 250 | 237 | 147 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 1.0 | -- | -- | -- | -- | -- | -- |
| MW-40 | 143 | 136.3 | -61.3 | less-open | 52 | 245 | 232 | 142 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-40 | 144 | 137.6 | -62.6 | less-open | 45 | 352 | 339 | 249 | 6 | N | 336-21 | 45 | TNP | TNP | 1.3 | -- | -- | -- | -- | -- | 7.2 |
| MW-40 | 145 | 138.1 | -63.1 | less-open | 59 | 2 | 349 | 259 | 6 | N | 336-21 | 45 | TNP | TNP | 0.5 | -- | -- | -- | -- | -- | 0.5 |
| MW-40 | 146 | 138.2 | -63.2 | less-open | 44 | 10 | 357 | 267 | 6 | N | 336-21 | 45 | TNP | TNP | 0.1 | -- | -- | -- | -- | -- | 0.1 |
| MW-40 | 147 | 142.4 | -67.4 | less-open | 51 | 8 | 355 | 265 | 6 | N | 336-21 | 45 | TNP | TNP | 4.2 | -- | -- | -- | -- | -- | 4.2 |
| MW-40 | 148 | 145.3 | -70.3 | less-open | 58 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | TNP | TNP | 2.9 | -- | -- | 16.7 | -- | -- | -- |
| MW-40 | 149 | 149.0 | -74.0 | less-open | 49 | 130 | 117 | 27 | 1 | SE | 116-165 | 49 | 1.1E-04 | 3.0E-01 | 3.7 | 59.2 | -- | -- | -- | -- | -- |
| MW-40 | 150 | 149.1 | -74.1 | less-open | 55 | 351 | 338 | 248 | 6 | N | 336-21 | 45 | 1.1E-04 | 3.0E-01 | 0.0 | -- | -- | -- | -- | -- | 6.7 |
| MW-40 | 151 | 150.1 | -75.2 | less-open | 62 | 272 | 259 | 169 | 4 | W | 245-290 | 45 | 1.1E-04 | 3.0E-01 | 1.1 | -- | -- | -- | 15.0 | -- | -- |
| MW-40 | 152 | 155.5 | -80.5 | less-open | 40 | 205 | 192 | 102 | 5 | S | 166-200 | 34 | 1.1E-04 | 3.0E-01 | 5.3 | -- | -- | -- | -- | 138.1 | -- |
| MW-40 | 153 | 161.5 | -86.5 | less-open | 50 | 354 | 341 | 251 | 6 | N | 336-21 | 45 | 3.5E-06 | 1.0E-02 | 6.0 | -- | -- | -- | -- | -- | 12.4 |
| MW-40 | 154 | 161.8 | -86.9 | less-open | 40 | 335 | 322 | 232 | 2 | NW | 291-335 | 44 | 3.5E-06 | 1.0E-02 | 0.4 | -- | 32.3 | -- | -- | -- | -- |
| MW-40 | 155 | 163.4 | -88.5 | less-open | 48 | 352 | 339 | 249 | 6 | N | 336-21 | 45 | 3.5E-06 | 1.0E-02 | 1.6 | -- | -- | -- | -- | -- | 2.0 |
| MW-40 | 156 | 164.1 | -89.1 | less-open | 43 | 333 | 320 | 230 | 2 | NW | 291-335 | 44 | 3.5E-06 | 1.0E-02 | 0.7 | -- | 2.3 | -- | -- | -- | -- |
| MW-40 | 157 | 164.3 | -89.3 | less-open | 41 | 340 | 327 | 237 | 2 | NW | 291-335 | 44 | 3.5E-06 | 1.0E-02 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-40 | 158 | 164.8 | -89.8 | less-open | 51 | 358 | 345 | 255 | 6 | N | 336-21 | 45 | 3.5E-06 | 1.0E-02 | 0.6 | -- | -- | -- | -- | -- | 1.4 |
| MW-40 | 159 | 166.6 | -91.6 | less-open | 52 | 354 | 341 | 251 | 6 | N | 336-21 | 45 | 3.5E-06 | 1.0E-02 | 1.8 | -- | -- | -- | -- | -- | 1.8 |
| MW-40 | 160 | 167.5 | -92.5 | less-open | 67 | 288 | 275 | 185 | 4 | W | 245-290 | 45 | 3.5E-06 | 1.0E-02 | 0.9 | -- | -- | -- | 17.4 | -- | -- |
| MW-40 | 161 | 169.2 | -94.2 | less-open | 29 | 197 | 184 | 94 | NSR | NSR | NSR | NSR | 3.5E-06 | 1.0E-02 | 1.7 | -- | -- | -- | -- | -- | -- |
| MW-40 | 162 | 171.4 | -96.4 | less-open | 63 | 326 | 313 | 223 | 2 | NW | 291-335 | 44 | TNP | TNP | 2.2 | -- | 7.1 | -- | -- | -- | -- |
| MW-40 | 163 | 171.7 | -96.7 | less-open | 62 | 313 | 300 | 210 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-40 | 164 | 186.4 | -111.4 | less-open | 26 | 284 | 271 | 181 | NSR | NSR | NSR | NSR | 3.5E-06 | 1.0E-02 | 14.8 | -- | -- | -- | -- | -- | -- |
| MW-40 | 165 | 188.7 | -113.8 | less-open | 73 | 99 | 86 | 356 | 3 | E | 70-115 | 45 | 3.5E-06 | 1.0E-02 | 2.3 | -- | -- | 43.4 | -- | -- | -- |
| MW-40 | 166 | 188.9 | -113.9 | less-open | 85 | 290 | 277 | 187 | NSR | NSR | NSR | NSR | TNP | TNP | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-40 | 167 | 189.0 | -114.0 | less-open | 79 | 272 | 259 | 169 | 4 | W | 245-290 | 45 | TNP | TNP | 0.1 | -- | -- | -- | 21.5 | -- | -- |
| MW-40 | 168 | 190.4 | -115.4 | less-open | 48 | 212 | 199 | 109 | 5 | S | 166-200 | 34 | TNP | TNP | 1.4 | -- | -- | -- | -- | 35.0 | -- |
| MW-51 | 1 | 28.7 | 41.0 | less-open | 73 | 147 | 134 | 44 | 1 | SE | 116-165 | 49 | 6.0E-05 | 1.7E-01 | NA | 28.7 | -- | -- | -- | -- | -- |
| MW-51 | 2 | 29.3 | 40.4 | less-open | 23 | 350 | 337 | 247 | NSR | NSR | NSR | NSR | 6.0E-05 | 1.7E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-51 | 3 | 29.7 | 39.9 | less-open | 11 | 331 | 318 | 228 | NSR | NSR | NSR | NSR | 6.0E-05 | 1.7E-01 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-51 | 4 | 30.3 | 39.3 | less-open | 24 | 258 | 245 | 155 | NSR | NSR | NSR | NSR | 6.0E-05 | 1.7E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-51 | 5 | 31.4 | 38.2 | less-open | 73 | 235 | 222 | 132 | NSR | NSR | NSR | NSR | 6.0E-05 | 1.7E-01 | 1.1 | -- | -- | -- | -- | -- | -- |
| MW-51 | 6 | 31.4 | 38.2 | less-open | 65 | 124 | 111 | 21 | 3 | E | 70-115 | 45 | 6.0E-05 | 1.7E-01 | 0.1 | -- | -- | 31.4 | -- | -- | -- |
| MW-51 | 7 | 31.8 | 37.8 | less-open | 5 | 301 | 288 | 198 | NSR | NSR | NSR | NSR | 6.0E-05 | 1.7E-01 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-51 | 8 | 31.9 | 37.7 | less-open | 55 | 140 | 127 | 37 | 1 | SE | 116-165 | 49 | 6.0E-05 | 1.7E-01 | 0.1 | 3.2 | -- | -- | -- | -- | -- |
| MW-51 | 9 | 32.2 | 37.5 | less-open | 45 | 131 | 118 | 28 | 1 | SE | 116-165 | 49 | 6.0E-05 | 1.7E-01 | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-51 | 10 | 32.5 | 37.1 | less-open | 62 | 144 | 131 | 41 | 1 | SE | 116-165 | 49 | 6.0E-05 | 1.7E-01 | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-51 | 11 | 32.7 | 37.0 | less-open | 11 | 222 | 209 | 119 | NSR | NSR | NSR | NSR | 6.0E-05 | 1.7E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-51 | 12 | 32.7 | 36.9 | less-open | 61 | 130 | 117 | 27 | 1 | SE | 116-165 | 49 | 6.0E-05 | 1.7E-01 | 0.0 | 0.2 | -- | -- | -- | -- | -- |
| MW-51 | 13 | 32.7 | 36.9 | less-open | 69 | 316 | 303 | 213 | 2 | NW | 291-335 | 44 | 6.0E-05 | 1.7E-01 | 0.0 | -- | 32.7 | -- | -- | -- | -- |
| MW-51 | 14 | 33.2 | 36.4 | less-open | 12 | 159 | 146 | 56 | NSR | NSR | NSR | NSR | 6.0E-05 | 1.7E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-51 | 15 | 33.5 | 36.2 | less-open | 71 | 136 | 123 | 33 | 1 | SE | 116-165 | 49 | 6.0E-05 | 1.7E-01 | 0.2 | 0.8 | -- | -- | -- | -- | -- |
| MW-51 | 16 | 33.6 | 36.0 | less-open | 28 | 241 | 228 | 138 | NSR | NSR | NSR | NSR | 6.0E-05 | 1.7E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-51 | 17 | 34.1 | 35.6 | less-open | 53 | 145 | 132 | 42 | 1 | SE | 116-165 | 49 | 6.0E-05 | 1.7E-01 | 0.5 | 0.6 | -- | -- | -- | -- | -- |
| MW-51 | 18 | 34.3 | 35.3 | less-open | 56 | 129 | 116 | 26 | 1 | SE | 116-165 | 49 | 6.0E-05 | 1.7E-01 | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-51 | 19 | 34.4 | 35.2 | less-open | 60 | 136 | 123 | 33 | 1 | SE | 116-165 | 49 | 6.0E-05 | 1.7E-01 | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-51 | 20 | 34.8 | 34.9 | less-open | 51 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | 6.0E-05 | 1.7E-01 | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-51 | 21 | 35.2 | 34.4 | less-open | 13 | 141 | 128 | 38 | NSR | NSR | NSR | NSR | 6.0E-05 | 1.7E-01 | 0.4 | -- | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-51 | 22 | 35.3 | 34.3 | less-open | 50 | 315 | 302 | 212 | 2 | NW | 291-335 | 44 | 6.0E-05 | 1.7E-01 | 0.1 | -- | 2.6 | -- | -- | -- | -- |
| MW-51 | 23 | 35.4 | 34.2 | less-open | 78 | 140 | 127 | 37 | 1 | SE | 116-165 | 49 | 6.0E-05 | 1.7E-01 | 0.1 | 0.6 | -- | -- | -- | -- | -- |
| MW-51 | 24 | 35.7 | 33.9 | less-open | 64 | 124 | 111 | 21 | 3 | E | 70-115 | 45 | 6.0E-05 | 1.7E-01 | 0.3 | -- | -- | 4.3 | -- | -- | -- |
| MW-51 | 25 | 36.6 | 33.1 | less-open | 55 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | 6.0E-05 | 1.7E-01 | 0.8 | 1.2 | -- | -- | -- | -- | -- |
| MW-51 | 26 | 36.6 | 33.0 | less-open | 60 | 295 | 282 | 192 | 4 | W | 245-290 | 45 | 6.0E-05 | 1.7E-01 | 0.0 | -- | -- | -- | 36.6 | -- | -- |
| MW-51 | 27 | 37.3 | 32.3 | less-open | 40 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | 6.0E-05 | 1.7E-01 | 0.7 | -- | -- | 1.6 | -- | -- | -- |
| MW-51 | 28 | 38.3 | 31.4 | less-open | 29 | 158 | 145 | 55 | NSR | NSR | NSR | NSR | 6.0E-05 | 1.7E-01 | 1.0 | -- | -- | -- | -- | -- | -- |
| MW-51 | 29 | 38.8 | 30.8 | less-open | 79 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | 1.4E-04 | 3.9E-01 | 0.5 | 2.2 | -- | -- | -- | -- | -- |
| MW-51 | 30 | 39.1 | 30.6 | less-open | 57 | 318 | 305 | 215 | 2 | NW | 291-335 | 44 | 1.4E-04 | 3.9E-01 | 0.3 | -- | 3.8 | -- | -- | -- | -- |
| MW-51 | 31 | 39.9 | 29.8 | less-open | 71 | 313 | 300 | 210 | 2 | NW | 291-335 | 44 | 1.4E-04 | 3.9E-01 | 0.8 | -- | 0.8 | -- | -- | -- | -- |
| MW-51 | 32 | 40.9 | 28.8 | less-open | 48 | 141 | 128 | 38 | 1 | SE | 116-165 | 49 | 1.4E-04 | 3.9E-01 | 1.0 | 2.1 | -- | -- | -- | -- | -- |
| MW-51 | 33 | 41.0 | 28.7 | less-open | 54 | 131 | 118 | 28 | 1 | SE | 116-165 | 49 | 1.4E-04 | 3.9E-01 | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-51 | 34 | 41.0 | 28.6 | less-open | 57 | 132 | 119 | 29 | 1 | SE | 116-165 | 49 | 1.4E-04 | 3.9E-01 | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-51 | 35 | 41.3 | 28.4 | less-open | 53 | 156 | 143 | 53 | 1 | SE | 116-165 | 49 | 1.4E-04 | 3.9E-01 | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-51 | 36 | 41.6 | 28.0 | less-open | 61 | 138 | 125 | 35 | 1 | SE | 116-165 | 49 | 1.4E-04 | 3.9E-01 | 0.4 | 0.4 | -- | -- | -- | -- | -- |
| MW-51 | 37 | 41.7 | 27.9 | less-open | 59 | 138 | 125 | 35 | 1 | SE | 116-165 | 49 | 1.4E-04 | 3.9E-01 | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-51 | 38 | 41.8 | 27.8 | less-open | 73 | 191 | 178 | 88 | 5 | S | 166-200 | 34 | 1.4E-04 | 3.9E-01 | 0.1 | -- | -- | -- | -- | 41.8 | -- |
| MW-51 | 39 | 42.1 | 27.6 | less-open | 31 | 143 | 130 | 40 | NSR | NSR | NSR | NSR | 1.4E-04 | 3.9E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-51 | 40 | 42.2 | 27.4 | less-open | 57 | 151 | 138 | 48 | 1 | SE | 116-165 | 49 | 1.4E-04 | 3.9E-01 | 0.1 | 0.5 | -- | -- | -- | -- | -- |
| MW-51 | 41 | 42.6 | 27.1 | less-open | 50 | 137 | 124 | 34 | 1 | SE | 116-165 | 49 | 1.4E-04 | 3.9E-01 | 0.4 | 0.4 | -- | -- | -- | -- | -- |
| MW-51 | 42 | 43.4 | 26.2 | less-open | 65 | 132 | 119 | 29 | 1 | SE | 116-165 | 49 | 1.4E-04 | 3.9E-01 | 0.9 | 0.9 | -- | -- | -- | -- | -- |
| MW-51 | 43 | 43.6 | 26.1 | less-open | 66 | 124 | 111 | 21 | 3 | E | 70-115 | 45 | 1.4E-04 | 3.9E-01 | 0.1 | -- | -- | 6.3 | -- | -- | -- |
| MW-51 | 44 | 43.7 | 25.9 | less-open | 27 | 301 | 288 | 198 | NSR | NSR | NSR | NSR | 1.4E-04 | 3.9E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-51 | 45 | 44.5 | 25.2 | less-open | 45 | 270 | 257 | 167 | 4 | W | 245-290 | 45 | 1.4E-04 | 3.9E-01 | 0.7 | -- | -- | -- | 7.9 | -- | -- |
| MW-51 | 46 | 45.4 | 24.2 | less-open | 41 | 276 | 263 | 173 | 4 | W | 245-290 | 45 | 1.4E-04 | 3.9E-01 | 0.9 | -- | -- | -- | 0.9 | -- | -- |
| MW-51 | 47 | 45.7 | 23.9 | less-open | 39 | 324 | 311 | 221 | 2 | NW | 291-335 | 44 | 1.4E-04 | 3.9E-01 | 0.3 | -- | 5.8 | -- | -- | -- | -- |
| MW-51 | 48 | 45.8 | 23.8 | less-open | 55 | 146 | 133 | 43 | 1 | SE | 116-165 | 49 | 1.4E-04 | 3.9E-01 | 0.1 | 2.4 | -- | -- | -- | -- | -- |
| MW-51 | 49 | 47.6 | 22.1 | less-open | 47 | 289 | 276 | 186 | 4 | W | 245-290 | 45 | 1.4E-04 | 3.9E-01 | 1.8 | -- | -- | -- | 2.2 | -- | -- |
| MW-51 | 50 | 48.5 | 21.1 | less-open | 39 | 295 | 282 | 192 | 4 | W | 245-290 | 45 | 1.4E-04 | 3.9E-01 | 0.9 | -- | -- | -- | 0.9 | -- | -- |
| MW-51 | 51 | 48.8 | 20.8 | less-open | 7 | 325 | 312 | 222 | NSR | NSR | NSR | NSR | 1.4E-04 | 3.9E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-51 | 52 | 50.0 | 19.7 | less-open | 45 | 200 | 187 | 97 | 5 | S | 166-200 | 34 | 2.5E-05 | 7.0E-02 | 1.2 | -- | -- | -- | -- | 8.2 | -- |
| MW-51 | 53 | 50.8 | 18.8 | less-open | 38 | 170 | 157 | 67 | 1 | SE | 116-165 | 49 | 2.5E-05 | 7.0E-02 | 0.8 | 5.0 | -- | -- | -- | -- | -- |
| MW-51 | 54 | 51.2 | 18.4 | less-open | 26 | 167 | 154 | 64 | NSR | NSR | NSR | NSR | 2.5E-05 | 7.0E-02 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-51 | 55 | 52.8 | 16.8 | less-open | 28 | 307 | 294 | 204 | NSR | NSR | NSR | NSR | 2.5E-05 | 7.0E-02 | 1.7 | -- | -- | -- | -- | -- | -- |
| MW-51 | 56 | 55.9 | 13.8 | less-open | 32 | 322 | 309 | 219 | NSR | NSR | NSR | NSR | 2.5E-05 | 7.0E-02 | 3.0 | -- | -- | -- | -- | -- | -- |
| MW-51 | 57 | 56.7 | 12.9 | less-open | 20 | 304 | 291 | 201 | NSR | NSR | NSR | NSR | 2.5E-05 | 7.0E-02 | 0.9 | -- | -- | -- | -- | -- | -- |
| MW-51 | 58 | 57.2 | 12.5 | less-open | 31 | 285 | 272 | 182 | NSR | NSR | NSR | NSR | 2.5E-05 | 7.0E-02 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-51 | 59 | 57.3 | 12.4 | less-open | 61 | 147 | 134 | 44 | 1 | SE | 116-165 | 49 | 2.5E-05 | 7.0E-02 | 0.1 | 6.5 | -- | -- | -- | -- | -- |
| MW-51 | 60 | 58.2 | 11.4 | less-open | 60 | 164 | 151 | 61 | 1 | SE | 116-165 | 49 | 2.5E-05 | 7.0E-02 | 1.0 | 1.0 | -- | -- | -- | -- | -- |
| MW-51 | 61 | 59.0 | 10.6 | less-open | 17 | 275 | 262 | 172 | NSR | NSR | NSR | NSR | 2.5E-05 | 7.0E-02 | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-51 | 62 | 59.3 | 10.4 | less-open | 18 | 214 | 201 | 111 | NSR | NSR | NSR | NSR | 2.5E-05 | 7.0E-02 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-51 | 63 | 60.3 | 9.4 | less-open | 28 | 215 | 202 | 112 | NSR | NSR | NSR | NSR | TNP | TNP | 1.0 | -- | -- | -- | -- | -- | -- |
| MW-51 | 64 | 61.9 | 7.8 | less-open | 69 | 174 | 161 | 71 | 1 | SE | 116-165 | 49 | TNP | TNP | 1.6 | 3.6 | -- | -- | -- | -- | -- |
| MW-51 | 65 | 63.3 | 6.3 | less-open | 46 | 202 | 189 | 99 | 5 | S | 166-200 | 34 | TNP | TNP | 1.4 | -- | -- | -- | -- | 13.3 | -- |
| MW-51 | 66 | 65.5 | 4.2 | less-open | 48 | 331 | 318 | 228 | 2 | NW | 291-335 | 44 | 2.5E-05 | 7.0E-02 | 2.2 | -- | 19.8 | -- | -- | -- | -- |
| MW-51 | 67 | 65.9 | 3.7 | less-open | 53 | 174 | 161 | 71 | 1 | SE | 116-165 | 49 | 2.5E-05 | 7.0E-02 | 0.5 | 4.1 | -- | -- | -- | -- | -- |
| MW-51 | 68 | 66.7 | 2.9 | less-open | 11 | 227 | 214 | 124 | NSR | NSR | NSR | NSR | 2.5E-05 | 7.0E-02 | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-51 | 69 | 66.8 | 2.9 | less-open | 39 | 294 | 281 | 191 | 4 | W | 245-290 | 45 | 2.5E-05 | 7.0E-02 | 0.0 | -- | -- | -- | 18.3 | -- | -- |
| MW-51 | 70 | 67.9 | 1.7 | less-open | 78 | 179 | 166 | 76 | 5 | S | 166-200 | 34 | 2.5E-05 | 7.0E-02 | 1.1 | -- | -- | -- | -- | 4.6 | -- |
| MW-51 | 71 | 68.9 | 0.7 | less-open | 74 | 195 | 182 | 92 | 5 | S | 166-200 | 34 | 2.5E-05 | 7.0E-02 | 1.0 | -- | -- | -- | -- | 1.0 | -- |
| MW-51 | 72 | 69.5 | 0.1 | less-open | 25 | 173 | 160 | 70 | NSR | NSR | NSR | NSR | 2.5E-05 | 7.0E-02 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-51 | 73 | 70.5 | -0.8 | less-open | 10 | 195 | 182 | 92 | NSR | NSR | NSR | NSR | 2.5E-05 | 7.0E-02 | 0.9 | -- | -- | -- | -- | -- | -- |
| MW-51 | 74 | 70.7 | -1.1 | less-open | 37 | 353 | 340 | 250 | 6 | N | 336-21 | 45 | 2.5E-05 | 7.0E-02 | 0.2 | -- | -- | -- | -- | -- | 70.7 |
| MW-51 | 75 | 70.9 | -1.3 | less-open | 17 | 180 | 167 | 77 | NSR | NSR | NSR | NSR | 2.5E-05 | 7.0E-02 | 0.2 | -- | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-51 | 76 | 71.2 | -1.6 | less-open | 16 | 197 | 184 | 94 | NSR | NSR | NSR | NSR | 2.5E-05 | 7.0E-02 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-51 | 77 | 72.8 | -3.2 | less-open | 78 | 359 | 346 | 256 | 6 | N | 336-21 | 45 | 2.5E-05 | 7.0E-02 | 1.6 | -- | -- | -- | -- | -- | 2.1 |
| MW-51 | 78 | 73.0 | -3.3 | less-open | 54 | 143 | 130 | 40 | 1 | SE | 116-165 | 49 | 2.5E-05 | 7.0E-02 | 0.2 | 7.1 | -- | -- | -- | -- | -- |
| MW-51 | 79 | 73.6 | -4.0 | less-open | 61 | 138 | 125 | 35 | 1 | SE | 116-165 | 49 | 2.5E-05 | 7.0E-02 | 0.7 | 0.7 | -- | -- | -- | -- | -- |
| MW-51 | 80 | 74.2 | -4.6 | less-open | 59 | 142 | 129 | 39 | 1 | SE | 116-165 | 49 | 2.5E-05 | 7.0E-02 | 0.6 | 0.6 | -- | -- | -- | -- | -- |
| MW-51 | 81 | 74.5 | -4.9 | less-open | 37 | 244 | 231 | 141 | NSR | NSR | NSR | NSR | 2.5E-05 | 7.0E-02 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-51 | 82 | 75.7 | -6.0 | less-open | 63 | 133 | 120 | 30 | 1 | SE | 116-165 | 49 | TNP | TNP | 1.2 | 1.4 | -- | -- | -- | -- | -- |
| MW-51 | 83 | 76.3 | -6.7 | less-open | 51 | 320 | 307 | 217 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.7 | -- | 10.9 | -- | -- | -- | -- |
| MW-51 | 84 | 78.1 | -8.5 | less-open | 18 | 261 | 248 | 158 | NSR | NSR | NSR | NSR | 2.8E-05 | 8.0E-02 | 1.8 | -- | -- | -- | -- | -- | -- |
| MW-51 | 85 | 79.8 | -10.2 | less-open | 48 | 282 | 269 | 179 | 4 | W | 245-290 | 45 | 2.8E-05 | 8.0E-02 | 1.7 | -- | -- | -- | 13.1 | -- | -- |
| MW-51 | 86 | 80.6 | -11.0 | open | 16 | 129 | 116 | 26 | NSR | NSR | NSR | NSR | 2.8E-05 | 8.0E-02 | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-51 | 87 | 80.9 | -11.2 | less-open | 57 | 136 | 123 | 33 | 1 | SE | 116-165 | 49 | 2.8E-05 | 8.0E-02 | 0.3 | 5.2 | -- | -- | -- | -- | -- |
| MW-51 | 88 | 81.5 | -11.9 | less-open | 52 | 304 | 291 | 201 | 2 | NW | 291-335 | 44 | 2.8E-05 | 8.0E-02 | 0.6 | -- | 5.2 | -- | -- | -- | -- |
| MW-51 | 89 | 82.0 | -12.4 | less-open | 63 | 121 | 108 | 18 | 3 | E | 70-115 | 45 | 2.8E-05 | 8.0E-02 | 0.5 | -- | -- | 38.4 | -- | -- | -- |
| MW-51 | 90 | 82.1 | -12.5 | less-open | 47 | 332 | 319 | 229 | 2 | NW | 291-335 | 44 | 2.8E-05 | 8.0E-02 | 0.1 | -- | 0.6 | -- | -- | -- | -- |
| MW-51 | 91 | 82.4 | -12.8 | less-open | 50 | 324 | 311 | 221 | 2 | NW | 291-335 | 44 | 2.8E-05 | 8.0E-02 | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-51 | 92 | 83.0 | -13.4 | less-open | 41 | 140 | 127 | 37 | 1 | SE | 116-165 | 49 | 2.8E-05 | 8.0E-02 | 0.6 | 2.2 | -- | -- | -- | -- | -- |
| MW-51 | 93 | 84.3 | -14.7 | less-open | 67 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | 2.8E-05 | 8.0E-02 | 1.3 | 1.3 | -- | -- | -- | -- | -- |
| MW-51 | 94 | 86.1 | -16.5 | less-open | 58 | 301 | 288 | 198 | 4 | W | 245-290 | 45 | 2.8E-05 | 8.0E-02 | 1.8 | -- | -- | -- | 6.2 | -- | -- |
| MW-51 | 95 | 86.8 | -17.2 | less-open | 61 | 133 | 120 | 30 | 1 | SE | 116-165 | 49 | 2.8E-05 | 8.0E-02 | 0.8 | 2.5 | -- | -- | -- | -- | -- |
| MW-51 | 96 | 87.3 | -17.6 | less-open | 50 | 282 | 269 | 179 | 4 | W | 245-290 | 45 | 2.8E-05 | 8.0E-02 | 0.4 | -- | -- | -- | 1.2 | -- | -- |
| MW-51 | 97 | 88.1 | -18.5 | less-open | 39 | 289 | 276 | 186 | 4 | W | 245-290 | 45 | TNP | TNP | 0.8 | -- | -- | -- | 0.8 | -- | -- |
| MW-51 | 98 | 88.4 | -18.8 | less-open | 49 | 308 | 295 | 205 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.3 | -- | 6.0 | -- | -- | -- | -- |
| MW-51 | 99 | 89.4 | -19.8 | less-open | 38 | 288 | 275 | 185 | 4 | W | 245-290 | 45 | 7.8E-05 | 2.2E-01 | 0.9 | -- | -- | -- | 1.3 | -- | -- |
| MW-51 | 100 | 89.6 | -20.0 | less-open | 45 | 288 | 275 | 185 | 4 | W | 245-290 | 45 | 7.8E-05 | 2.2E-01 | 0.2 | -- | -- | -- | 0.2 | -- | -- |
| MW-51 | 101 | 89.8 | -20.1 | less-open | 53 | 120 | 107 | 17 | 3 | E | 70-115 | 45 | 7.8E-05 | 2.2E-01 | 0.2 | -- | -- | 7.8 | -- | -- | -- |
| MW-51 | 102 | 91.0 | -21.3 | less-open | 26 | 275 | 262 | 172 | NSR | NSR | NSR | NSR | 7.8E-05 | 2.2E-01 | 1.2 | -- | -- | -- | -- | -- | -- |
| MW-51 | 103 | 92.5 | -22.9 | less-open | 57 | 133 | 120 | 30 | 1 | SE | 116-165 | 49 | 7.8E-05 | 2.2E-01 | 1.5 | 5.7 | -- | -- | -- | -- | -- |
| MW-51 | 104 | 93.0 | -23.4 | less-open | 40 | 288 | 275 | 185 | 4 | W | 245-290 | 45 | 7.8E-05 | 2.2E-01 | 0.5 | -- | -- | -- | 3.4 | -- | -- |
| MW-51 | 105 | 93.5 | -23.9 | less-open | 24 | 325 | 312 | 222 | NSR | NSR | NSR | NSR | 7.8E-05 | 2.2E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-51 | 106 | 94.1 | -24.5 | less-open | 42 | 333 | 320 | 230 | 2 | NW | 291-335 | 44 | 7.8E-05 | 2.2E-01 | 0.6 | -- | 5.7 | -- | -- | -- | -- |
| MW-51 | 107 | 94.8 | -25.2 | less-open | 29 | 299 | 286 | 196 | NSR | NSR | NSR | NSR | 7.8E-05 | 2.2E-01 | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-51 | 108 | 95.1 | -25.5 | less-open | 44 | 308 | 295 | 205 | 2 | NW | 291-335 | 44 | 7.8E-05 | 2.2E-01 | 0.3 | -- | 1.0 | -- | -- | -- | -- |
| MW-51 | 109 | 95.5 | -25.9 | less-open | 55 | 294 | 281 | 191 | 4 | W | 245-290 | 45 | 7.8E-05 | 2.2E-01 | 0.4 | -- | -- | -- | 2.5 | -- | -- |
| MW-51 | 110 | 95.7 | -26.0 | less-open | 65 | 303 | 290 | 200 | 4 | W | 245-290 | 45 | 7.8E-05 | 2.2E-01 | 0.2 | -- | -- | -- | 0.2 | -- | -- |
| MW-51 | 111 | 96.1 | -26.5 | less-open | 61 | 316 | 303 | 213 | 2 | NW | 291-335 | 44 | 7.8E-05 | 2.2E-01 | 0.4 | -- | 0.9 | -- | -- | -- | -- |
| MW-51 | 112 | 96.4 | -26.8 | less-open | 51 | 305 | 292 | 202 | 2 | NW | 291-335 | 44 | 7.8E-05 | 2.2E-01 | 0.4 | -- | 0.4 | -- | -- | -- | -- |
| MW-51 | 113 | 96.7 | -27.1 | less-open | 45 | 324 | 311 | 221 | 2 | NW | 291-335 | 44 | 7.8E-05 | 2.2E-01 | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-51 | 114 | 97.4 | -27.7 | less-open | 34 | 281 | 268 | 178 | NSR | NSR | NSR | NSR | 7.8E-05 | 2.2E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-51 | 115 | 97.6 | -28.0 | less-open | 37 | 297 | 284 | 194 | 4 | W | 245-290 | 45 | 7.8E-05 | 2.2E-01 | 0.3 | -- | -- | -- | 2.0 | -- | -- |
| MW-51 | 116 | 99.0 | -29.3 | less-open | 40 | 317 | 304 | 214 | 2 | NW | 291-335 | 44 | TNP | TNP | 1.3 | -- | 2.2 | -- | -- | -- | -- |
| MW-51 | 117 | 100.6 | -30.9 | less-open | 35 | 213 | 200 | 110 | 5 | S | 166-200 | 34 | 5.6E-05 | 1.6E-01 | 1.6 | -- | -- | -- | -- | 31.7 | -- |
| MW-51 | 118 | 102.9 | -33.3 | less-open | 62 | 313 | 300 | 210 | 2 | NW | 291-335 | 44 | 5.6E-05 | 1.6E-01 | 2.4 | -- | 4.0 | -- | -- | -- | -- |
| MW-51 | 119 | 103.2 | -33.5 | less-open | 58 | 283 | 270 | 180 | 4 | W | 245-290 | 45 | 5.6E-05 | 1.6E-01 | 0.2 | -- | -- | -- | 5.5 | -- | -- |
| MW-51 | 120 | 103.6 | -34.0 | less-open | 67 | 299 | 286 | 196 | 4 | W | 245-290 | 45 | 5.6E-05 | 1.6E-01 | 0.5 | -- | -- | -- | 0.5 | -- | -- |
| MW-51 | 121 | 103.6 | -34.0 | less-open | 44 | 288 | 275 | 185 | 4 | W | 245-290 | 45 | 5.6E-05 | 1.6E-01 | 0.0 | -- | -- | -- | 0.0 | -- | -- |
| MW-51 | 122 | 104.2 | -34.6 | less-open | 59 | 299 | 286 | 196 | 4 | W | 245-290 | 45 | 5.6E-05 | 1.6E-01 | 0.6 | -- | -- | -- | 0.6 | -- | -- |
| MW-51 | 123 | 104.9 | -35.3 | open | 17 | 259 | 246 | 156 | NSR | NSR | NSR | NSR | 5.6E-05 | 1.6E-01 | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-51 | 124 | 105.5 | -35.8 | less-open | 16 | 187 | 174 | 84 | NSR | NSR | NSR | NSR | 5.6E-05 | 1.6E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-51 | 125 | 110.7 | -41.1 | less-open | 61 | 110 | 97 | 7 | 3 | E | 70-115 | 45 | 4.2E-05 | 1.2E-01 | 5.2 | -- | -- | 20.9 | -- | -- | -- |
| MW-51 | 126 | 112.7 | -43.1 | open | 4 | 98 | 85 | 355 | NSR | NSR | NSR | NSR | 4.2E-05 | 1.2E-01 | 2.0 | -- | -- | -- | -- | -- | -- |
| MW-51 | 127 | 115.2 | -45.6 | less-open | 28 | 253 | 240 | 150 | NSR | NSR | NSR | NSR | 4.2E-05 | 1.2E-01 | 2.5 | -- | -- | -- | -- | -- | -- |
| MW-51 | 128 | 118.1 | -48.5 | less-open | 8 | 97 | 84 | 354 | NSR | NSR | NSR | NSR | 4.2E-05 | 1.2E-01 | 2.9 | -- | -- | -- | -- | -- | -- |
| MW-51 | 129 | 118.2 | -48.5 | less-open | 13 | 88 | 75 | 345 | NSR | NSR | NSR | NSR | 4.2E-05 | 1.2E-01 | 0.1 | -- | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | | ft/day | | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-51 | 130 | 118.4 | -48.8 | less-open | 30 | 186 | 173 | 83 | NSR | NSR | NSR | NSR | 4.2E-05 | | 1.2E-01 | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-51 | 131 | 118.8 | -49.1 | less-open | 22 | 222 | 209 | 119 | NSR | NSR | NSR | NSR | TNP | | TNP | | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-51 | 132 | 119.2 | -49.5 | less-open | 26 | 227 | 214 | 124 | NSR | NSR | NSR | NSR | TNP | | TNP | | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-51 | 133 | 119.5 | -49.9 | less-open | 40 | 257 | 244 | 154 | NSR | NSR | NSR | NSR | TNP | | TNP | | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-51 | 134 | 120.5 | -50.9 | less-open | 39 | 287 | 274 | 184 | 4 | W | 245-290 | 45 | 1.4E-05 | | 4.0E-02 | | 1.0 | -- | -- | -- | 16.3 | -- | -- |
| MW-51 | 135 | 120.6 | -51.0 | less-open | 44 | 273 | 260 | 170 | 4 | W | 245-290 | 45 | 1.4E-05 | | 4.0E-02 | | 0.2 | -- | -- | -- | 0.2 | -- | -- |
| MW-51 | 136 | 121.5 | -51.9 | less-open | 51 | 293 | 280 | 190 | 4 | W | 245-290 | 45 | 1.4E-05 | | 4.0E-02 | | 0.9 | -- | -- | -- | 0.9 | -- | -- |
| MW-51 | 137 | 121.6 | -52.0 | less-open | 75 | 316 | 303 | 213 | 2 | NW | 291-335 | 44 | 1.4E-05 | | 4.0E-02 | | 0.1 | -- | 18.7 | -- | -- | -- | -- |
| MW-51 | 138 | 123.1 | -53.5 | less-open | 17 | 97 | 84 | 354 | NSR | NSR | NSR | NSR | 1.4E-05 | | 4.0E-02 | | 1.5 | -- | -- | -- | -- | -- | -- |
| MW-51 | 139 | 123.6 | -53.9 | less-open | 33 | 72 | 59 | 329 | NSR | NSR | NSR | NSR | 1.4E-05 | | 4.0E-02 | | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-51 | 140 | 124.6 | -55.0 | less-open | 42 | 295 | 282 | 192 | 4 | W | 245-290 | 45 | 1.4E-05 | | 4.0E-02 | | 1.1 | -- | -- | -- | 3.1 | -- | -- |
| MW-51 | 141 | 125.9 | -56.3 | less-open | 33 | 258 | 245 | 155 | NSR | NSR | NSR | NSR | 1.4E-05 | | 4.0E-02 | | 1.3 | -- | -- | -- | -- | -- | -- |
| MW-51 | 142 | 126.2 | -56.6 | less-open | 66 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | 1.4E-05 | | 4.0E-02 | | 0.3 | -- | -- | 15.5 | -- | -- | -- |
| MW-51 | 143 | 126.8 | -57.2 | less-open | 41 | 263 | 250 | 160 | 4 | W | 245-290 | 45 | 1.4E-05 | | 4.0E-02 | | 0.6 | -- | -- | -- | 2.2 | -- | -- |
| MW-51 | 144 | 127.0 | -57.4 | less-open | 57 | 259 | 246 | 156 | 4 | W | 245-290 | 45 | 1.4E-05 | | 4.0E-02 | | 0.2 | -- | -- | -- | 0.2 | -- | -- |
| MW-51 | 145 | 127.5 | -57.9 | less-open | 26 | 288 | 275 | 185 | NSR | NSR | NSR | NSR | 1.4E-05 | | 4.0E-02 | | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-51 | 146 | 128.7 | -59.1 | less-open | 39 | 287 | 274 | 184 | 4 | W | 245-290 | 45 | 1.4E-05 | | 4.0E-02 | | 1.1 | -- | -- | -- | 1.7 | -- | -- |
| MW-51 | 147 | 128.9 | -59.3 | less-open | 62 | 132 | 119 | 29 | 1 | SE | 116-165 | 49 | 1.4E-05 | | 4.0E-02 | | 0.3 | 36.5 | -- | -- | -- | -- | -- |
| MW-51 | 148 | 129.3 | -59.7 | less-open | 64 | 326 | 313 | 223 | 2 | NW | 291-335 | 44 | 1.4E-05 | | 4.0E-02 | | 0.3 | -- | 7.7 | -- | -- | -- | -- |
| MW-51 | 149 | 129.3 | -59.7 | less-open | 65 | 147 | 134 | 44 | 1 | SE | 116-165 | 49 | 1.4E-05 | | 4.0E-02 | | 0.0 | 0.4 | -- | -- | -- | -- | -- |
| MW-51 | 150 | 131.9 | -62.3 | less-open | 49 | 247 | 234 | 144 | NSR | NSR | NSR | NSR | 2.8E-05 | | 8.0E-02 | | 2.6 | -- | -- | -- | -- | -- | -- |
| MW-51 | 151 | 132.5 | -62.9 | less-open | 27 | 334 | 321 | 231 | NSR | NSR | NSR | NSR | 2.8E-05 | | 8.0E-02 | | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-51 | 152 | 133.1 | -63.5 | less-open | 60 | 36 | 23 | 293 | NSR | NSR | NSR | NSR | 2.8E-05 | | 8.0E-02 | | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-51 | 153 | 133.8 | -64.2 | less-open | 28 | 265 | 252 | 162 | NSR | NSR | NSR | NSR | 2.8E-05 | | 8.0E-02 | | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-51 | 154 | 135.1 | -65.5 | less-open | 15 | 125 | 112 | 22 | NSR | NSR | NSR | NSR | 2.8E-05 | | 8.0E-02 | | 1.3 | -- | -- | -- | -- | -- | -- |
| MW-51 | 155 | 136.0 | -66.4 | less-open | 37 | 300 | 287 | 197 | 4 | W | 245-290 | 45 | 2.8E-05 | | 8.0E-02 | | 0.8 | -- | -- | -- | 7.3 | -- | -- |
| MW-51 | 156 | 136.2 | -66.6 | less-open | 29 | 276 | 263 | 173 | NSR | NSR | NSR | NSR | 2.8E-05 | | 8.0E-02 | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-51 | 157 | 136.3 | -66.7 | less-open | 41 | 278 | 265 | 175 | 4 | W | 245-290 | 45 | 2.8E-05 | | 8.0E-02 | | 0.1 | -- | -- | -- | 0.3 | -- | -- |
| MW-51 | 158 | 136.9 | -67.3 | less-open | 57 | 133 | 120 | 30 | 1 | SE | 116-165 | 49 | 2.8E-05 | | 8.0E-02 | | 0.6 | 7.6 | -- | -- | -- | -- | -- |
| MW-51 | 159 | 137.1 | -67.5 | less-open | 34 | 119 | 106 | 16 | 3 | E | 70-115 | 45 | 2.8E-05 | | 8.0E-02 | | 0.3 | -- | -- | 11.0 | -- | -- | -- |
| MW-51 | 160 | 137.6 | -68.0 | less-open | 37 | 257 | 244 | 154 | NSR | NSR | NSR | NSR | 2.8E-05 | | 8.0E-02 | | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-51 | 161 | 137.7 | -68.1 | less-open | 26 | 238 | 225 | 135 | NSR | NSR | NSR | NSR | 2.8E-05 | | 8.0E-02 | | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-51 | 162 | 138.9 | -69.3 | less-open | 55 | 133 | 120 | 30 | 1 | SE | 116-165 | 49 | 2.8E-05 | | 8.0E-02 | | 1.2 | 2.0 | -- | -- | -- | -- | -- |
| MW-51 | 163 | 139.4 | -69.8 | less-open | 56 | 127 | 114 | 24 | 3 | E | 70-115 | 45 | 2.8E-05 | | 8.0E-02 | | 0.5 | -- | -- | 2.3 | -- | -- | -- |
| MW-51 | 164 | 139.7 | -70.1 | less-open | 59 | 127 | 114 | 24 | 3 | E | 70-115 | 45 | 2.8E-05 | | 8.0E-02 | | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-51 | 165 | 140.1 | -70.5 | less-open | 22 | 281 | 268 | 178 | NSR | NSR | NSR | NSR | 2.8E-05 | | 8.0E-02 | | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-51 | 166 | 140.7 | -71.1 | less-open | 56 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | TNP | | TNP | | 0.6 | -- | -- | 1.0 | -- | -- | -- |
| MW-51 | 167 | 141.7 | -72.1 | less-open | 35 | 91 | 78 | 348 | 3 | E | 70-115 | 45 | TNP | | TNP | | 1.1 | -- | -- | 1.1 | -- | -- | -- |
| MW-51 | 168 | 144.3 | -74.7 | less-open | 31 | 128 | 115 | 25 | NSR | NSR | NSR | NSR | 1.8E-05 | | 5.0E-02 | | 2.5 | -- | -- | -- | -- | -- | -- |
| MW-51 | 169 | 144.9 | -75.3 | less-open | 40 | 224 | 211 | 121 | NSR | NSR | NSR | NSR | 1.8E-05 | | 5.0E-02 | | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-51 | 170 | 145.0 | -75.3 | less-open | 43 | 303 | 290 | 200 | 4 | W | 245-290 | 45 | 1.8E-05 | | 5.0E-02 | | 0.1 | -- | -- | -- | 8.6 | -- | -- |
| MW-51 | 171 | 145.2 | -75.5 | less-open | 38 | 111 | 98 | 8 | 3 | E | 70-115 | 45 | 1.8E-05 | | 5.0E-02 | | 0.2 | -- | -- | 3.4 | -- | -- | -- |
| MW-51 | 172 | 151.1 | -81.5 | less-open | 15 | 284 | 271 | 181 | NSR | NSR | NSR | NSR | 1.8E-05 | | 5.0E-02 | | 5.9 | -- | -- | -- | -- | -- | -- |
| MW-51 | 173 | 151.4 | -81.8 | less-open | 32 | 269 | 256 | 166 | NSR | NSR | NSR | NSR | 1.8E-05 | | 5.0E-02 | | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-51 | 174 | 152.1 | -82.5 | less-open | 22 | 298 | 285 | 195 | NSR | NSR | NSR | NSR | 1.8E-05 | | 5.0E-02 | | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-51 | 175 | 153.3 | -83.7 | less-open | 57 | 296 | 283 | 193 | 4 | W | 245-290 | 45 | TNP | | TNP | | 1.2 | -- | -- | -- | 8.4 | -- | -- |
| MW-51 | 176 | 155.0 | -85.4 | less-open | 62 | 24 | 11 | 281 | 6 | N | 336-21 | 45 | 2.8E-05 | | 8.0E-02 | | 1.7 | -- | -- | -- | -- | -- | 82.2 |
| MW-51 | 177 | 156.9 | -87.3 | less-open | 48 | 316 | 303 | 213 | 2 | NW | 291-335 | 44 | 2.8E-05 | | 8.0E-02 | | 1.9 | -- | 27.6 | -- | -- | -- | -- |
| MW-51 | 178 | 157.9 | -88.3 | less-open | 56 | 287 | 274 | 184 | 4 | W | 245-290 | 45 | 2.8E-05 | 6.4E-05 | 8.0E-02 | 1.8E-01 | 1.0 | -- | -- | -- | 4.6 | -- | -- |
| MW-51 | 179 | 158.3 | -88.7 | less-open | 41 | 285 | 272 | 182 | 4 | W | 245-290 | 45 | 2.8E-05 | 6.4E-05 | 8.0E-02 | 1.8E-01 | 0.4 | -- | -- | -- | 0.4 | -- | -- |
| MW-51 | 180 | 159.0 | -89.3 | less-open | 56 | 111 | 98 | 8 | 3 | E | 70-115 | 45 | 2.8E-05 | 6.4E-05 | 8.0E-02 | 1.8E-01 | 0.7 | -- | -- | 13.8 | -- | -- | -- |
| MW-51 | 181 | 159.2 | -89.6 | less-open | 45 | 281 | 268 | 178 | 4 | W | 245-290 | 45 | 2.8E-05 | 6.4E-05 | 8.0E-02 | 1.8E-01 | 0.2 | -- | -- | -- | 0.9 | -- | -- |
| MW-51 | 182 | 159.7 | -90.1 | less-open | 40 | 264 | 251 | 161 | 4 | W | 245-290 | 45 | 2.8E-05 | 6.4E-05 | 8.0E-02 | 1.8E-01 | 0.5 | -- | -- | -- | 0.5 | -- | -- |
| MW-51 | 183 | 160.8 | -91.2 | less-open | 39 | 284 | 271 | 181 | 4 | W | 245-290 | 45 | 2.8E-05 | 6.4E-05 | 8.0E-02 | 1.8E-01 | 1.1 | -- | -- | -- | 1.1 | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | | ft/day | | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-51 | 184 | 161.3 | -91.7 | less-open | 47 | 293 | 280 | 190 | 4 | W | 245-290 | 45 | 2.8E-05 | 6.4E-05 | 8.0E-02 | 1.8E-01 | 0.5 | -- | -- | -- | 0.5 | -- | -- |
| MW-51 | 185 | 161.8 | -92.2 | less-open | 41 | 272 | 259 | 169 | 4 | W | 245-290 | 45 | 2.8E-05 | 6.4E-05 | 8.0E-02 | 1.8E-01 | 0.5 | -- | -- | -- | 0.5 | -- | -- |
| MW-51 | 186 | 162.4 | -92.8 | less-open | 45 | 276 | 263 | 173 | 4 | W | 245-290 | 45 | 2.8E-05 | 6.4E-05 | 8.0E-02 | 1.8E-01 | 0.6 | -- | -- | -- | 0.6 | -- | -- |
| MW-51 | 187 | 163.0 | -93.3 | less-open | 40 | 315 | 302 | 212 | 2 | NW | 291-335 | 44 | 2.8E-05 | 6.4E-05 | 8.0E-02 | 1.8E-01 | 0.5 | -- | 6.1 | -- | -- | -- | -- |
| MW-51 | 188 | 163.2 | -93.6 | less-open | 57 | 101 | 88 | 358 | 3 | E | 70-115 | 45 | 2.8E-05 | 6.4E-05 | 8.0E-02 | 1.8E-01 | 0.3 | -- | -- | 4.3 | -- | -- | -- |
| MW-51 | 189 | 163.3 | -93.7 | less-open | 30 | 285 | 272 | 182 | NSR | NSR | NSR | NSR | 2.8E-05 | 6.4E-05 | 8.0E-02 | 1.8E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-51 | 190 | 164.5 | -94.8 | less-open | 28 | 308 | 295 | 205 | NSR | NSR | NSR | NSR | | 6.4E-05 | | 1.8E-01 | 1.2 | -- | -- | -- | -- | -- | -- |
| MW-51 | 191 | 165.1 | -95.5 | less-open | 32 | 297 | 284 | 194 | NSR | NSR | NSR | NSR | | 6.4E-05 | | 1.8E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-51 | 192 | 165.4 | -95.8 | less-open | 64 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | | 6.4E-05 | | 1.8E-01 | 0.3 | -- | -- | 2.2 | -- | -- | -- |
| MW-51 | 193 | 165.6 | -95.9 | less-open | 65 | 127 | 114 | 24 | 3 | E | 70-115 | 45 | | 6.4E-05 | | 1.8E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-51 | 194 | 166.6 | -97.0 | less-open | 36 | 330 | 317 | 227 | 2 | NW | 291-335 | 44 | | 6.4E-05 | | 1.8E-01 | 1.1 | -- | 3.7 | -- | -- | -- | -- |
| MW-51 | 195 | 168.0 | -98.4 | less-open | 58 | 304 | 291 | 201 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 1.4 | -- | 1.4 | -- | -- | -- | -- |
| MW-51 | 196 | 171.1 | -101.5 | less-open | 44 | 259 | 246 | 156 | 4 | W | 245-290 | 45 | TNP | | TNP | | 3.1 | -- | -- | -- | 8.7 | -- | -- |
| MW-51 | 197 | 171.5 | -101.9 | less-open | 29 | 312 | 299 | 209 | NSR | NSR | NSR | NSR | TNP | | TNP | | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-51 | 198 | 174.4 | -104.7 | less-open | 60 | 286 | 273 | 183 | 4 | W | 245-290 | 45 | 4.9E-05 | | 1.4E-01 | | 2.8 | -- | -- | -- | 3.2 | -- | -- |
| MW-51 | 199 | 178.0 | -108.4 | less-open | 80 | 150 | 137 | 47 | 1 | SE | 116-165 | 49 | 4.9E-05 | | 1.4E-01 | | 3.6 | 39.1 | -- | -- | -- | -- | -- |
| MW-51 | 200 | 180.0 | -110.4 | less-open | 33 | 313 | 300 | 210 | NSR | NSR | NSR | NSR | 4.9E-05 | | 1.4E-01 | | 2.0 | -- | -- | -- | -- | -- | -- |
| MW-51 | 201 | 181.2 | -111.5 | less-open | 37 | 282 | 269 | 179 | 4 | W | 245-290 | 45 | 4.9E-05 | | 1.4E-01 | | 1.2 | -- | -- | -- | 6.8 | -- | -- |
| MW-51 | 202 | 181.2 | -111.6 | less-open | 62 | 200 | 187 | 97 | 5 | S | 166-200 | 34 | 4.9E-05 | | 1.4E-01 | | 0.1 | -- | -- | -- | -- | 80.7 | -- |
| MW-51 | 203 | 182.5 | -112.8 | less-open | 32 | 311 | 298 | 208 | NSR | NSR | NSR | NSR | 4.9E-05 | | 1.4E-01 | | 1.2 | -- | -- | -- | -- | -- | -- |
| MW-51 | 204 | 184.7 | -115.1 | less-open | 58 | 291 | 278 | 188 | 4 | W | 245-290 | 45 | 6.7E-05 | | 1.9E-01 | | 2.2 | -- | -- | -- | 3.5 | -- | -- |
| MW-51 | 205 | 186.8 | -117.2 | less-open | 28 | 291 | 278 | 188 | NSR | NSR | NSR | NSR | 6.7E-05 | | 1.9E-01 | | 2.1 | -- | -- | -- | -- | -- | -- |
| MW-51 | 206 | 187.1 | -117.5 | less-open | 78 | 209 | 196 | 106 | 5 | S | 166-200 | 34 | 6.7E-05 | | 1.9E-01 | | 0.3 | -- | -- | -- | -- | 5.9 | -- |
| MW-51 | 207 | 188.0 | -118.3 | less-open | 48 | 281 | 268 | 178 | 4 | W | 245-290 | 45 | 6.7E-05 | | 1.9E-01 | | 0.8 | -- | -- | -- | 3.3 | -- | -- |
| MW-51 | 208 | 188.7 | -119.0 | less-open | 46 | 266 | 253 | 163 | 4 | W | 245-290 | 45 | 6.7E-05 | | 1.9E-01 | | 0.7 | -- | -- | -- | 0.7 | -- | -- |
| MW-51 | 209 | 189.0 | -119.4 | less-open | 62 | 133 | 120 | 30 | 1 | SE | 116-165 | 49 | 6.7E-05 | | 1.9E-01 | | 0.3 | 11.0 | -- | -- | -- | -- | -- |
| MW-51 | 210 | 189.6 | -120.0 | less-open | 60 | 110 | 97 | 7 | 3 | E | 70-115 | 45 | 6.7E-05 | | 1.9E-01 | | 0.6 | -- | -- | 24.0 | -- | -- | -- |
| MW-51 | 211 | 190.2 | -120.5 | less-open | 62 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | 6.7E-05 | | 1.9E-01 | | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-51 | 212 | 191.0 | -121.4 | less-open | 40 | 286 | 273 | 183 | 4 | W | 245-290 | 45 | 6.7E-05 | | 1.9E-01 | | 0.8 | -- | -- | -- | 2.3 | -- | -- |
| MW-51 | 213 | 191.2 | -121.5 | less-open | 54 | 141 | 128 | 38 | 1 | SE | 116-165 | 49 | 6.7E-05 | | 1.9E-01 | | 0.2 | 2.2 | -- | -- | -- | -- | -- |
| MW-51 | 214 | 191.3 | -121.7 | less-open | 53 | 282 | 269 | 179 | 4 | W | 245-290 | 45 | 6.7E-05 | | 1.9E-01 | | 0.1 | -- | -- | -- | 0.3 | -- | -- |
| MW-51 | 215 | 191.8 | -122.2 | less-open | 49 | 260 | 247 | 157 | 4 | W | 245-290 | 45 | 6.7E-05 | | 1.9E-01 | | 0.5 | -- | -- | -- | 0.5 | -- | -- |
| MW-51 | 216 | 192.0 | -122.4 | less-open | 35 | 262 | 249 | 159 | 4 | W | 245-290 | 45 | 6.7E-05 | | 1.9E-01 | | 0.2 | -- | -- | -- | 0.2 | -- | -- |
| MW-51 | 217 | 192.3 | -122.6 | less-open | 44 | 303 | 290 | 200 | 4 | W | 245-290 | 45 | 6.7E-05 | | 1.9E-01 | | 0.2 | -- | -- | -- | 0.2 | -- | -- |
| MW-51 | 218 | 193.0 | -123.4 | less-open | 60 | 141 | 128 | 38 | 1 | SE | 116-165 | 49 | 6.7E-05 | | 1.9E-01 | | 0.8 | 1.9 | -- | -- | -- | -- | -- |
| MW-51 | 219 | 193.6 | -123.9 | less-open | 39 | 315 | 302 | 212 | 2 | NW | 291-335 | 44 | 6.7E-05 | | 1.9E-01 | | 0.5 | -- | 25.6 | -- | -- | -- | -- |
| MW-51 | 220 | 194.5 | -124.8 | less-open | 63 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.9 | 1.4 | -- | -- | -- | -- | -- |
| MW-51 | 221 | 194.5 | -124.8 | less-open | 46 | 242 | 229 | 139 | NSR | NSR | NSR | NSR | TNP | | TNP | | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-51 | 222 | 195.2 | -125.6 | less-open | 13 | 319 | 306 | 216 | NSR | NSR | NSR | NSR | TNP | | TNP | | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-51 | 223 | 196.6 | -127.0 | less-open | 74 | 23 | 10 | 280 | 6 | N | 336-21 | 45 | TNP | | TNP | | 1.4 | -- | -- | -- | -- | -- | 41.6 |
| MW-51 | 224 | 197.7 | -128.1 | less-open | 2 | 360 | 347 | 257 | NSR | NSR | NSR | NSR | TNP | | TNP | | 1.1 | -- | -- | -- | -- | -- | -- |
| MW-51 | 225 | 197.9 | -128.3 | less-open | 1 | 346 | 333 | 243 | NSR | NSR | NSR | NSR | TNP | | TNP | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-51 | 226 | 198.1 | -128.5 | less-open | 6 | 127 | 114 | 24 | NSR | NSR | NSR | NSR | TNP | | TNP | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-52 | 1 | 13.8 | 3.0 | less-open | 62 | 55 | 42 | 312 | NSR | NSR | NSR | NSR | 1.4E-04 | | 4.0E-01 | | NA | -- | -- | -- | -- | -- | -- |
| MW-52 | 2 | 13.8 | 3.0 | open | 47 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | 1.4E-04 | | 4.0E-01 | | 0.0 | -- | -- | 13.8 | -- | -- | -- |
| MW-52 | 3 | 13.9 | 2.9 | less-open | 64 | 56 | 43 | 313 | NSR | NSR | NSR | NSR | 1.4E-04 | | 4.0E-01 | | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-52 | 4 | 14.0 | 2.8 | open | 42 | 129 | 116 | 26 | 1 | SE | 116-165 | 49 | 1.4E-04 | | 4.0E-01 | | 0.1 | 14.0 | -- | -- | -- | -- | -- |
| MW-52 | 5 | 14.2 | 2.5 | less-open | 53 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | 1.4E-04 | | 4.0E-01 | | 0.3 | -- | -- | 0.4 | -- | -- | -- |
| MW-52 | 6 | 14.5 | 2.3 | less-open | 38 | 64 | 51 | 321 | NSR | NSR | NSR | NSR | 1.4E-04 | | 4.0E-01 | | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-52 | 7 | 14.6 | 2.1 | less-open | 37 | 56 | 43 | 313 | NSR | NSR | NSR | NSR | 1.4E-04 | | 4.0E-01 | | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-52 | 8 | 14.7 | 2.1 | less-open | 66 | 164 | 151 | 61 | 1 | SE | 116-165 | 49 | 1.4E-04 | | 4.0E-01 | | 0.0 | 0.7 | -- | -- | -- | -- | -- |
| MW-52 | 9 | 14.8 | 1.9 | open | 60 | 69 | 56 | 326 | NSR | NSR | NSR | NSR | 1.4E-04 | | 4.0E-01 | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-52 | 10 | 15.1 | 1.7 | less-open | 67 | 71 | 58 | 328 | NSR | NSR | NSR | NSR | 1.4E-04 | | 4.0E-01 | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-52 | 11 | 15.2 | 1.5 | less-open | 58 | 70 | 57 | 327 | NSR | NSR | NSR | NSR | 1.4E-04 | | 4.0E-01 | | 0.2 | -- | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | | ft/day | | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-52 | 12 | 15.6 | 1.2 | less-open | 61 | 76 | 63 | 333 | NSR | NSR | NSR | NSR | 1.4E-04 | | 4.0E-01 | | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-52 | 13 | 15.6 | 1.1 | less-open | 63 | 71 | 58 | 328 | NSR | NSR | NSR | NSR | 1.4E-04 | | 4.0E-01 | | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-52 | 14 | 15.7 | 1.1 | less-open | 59 | 8 | 355 | 265 | 6 | N | 336-21 | 45 | 1.4E-04 | | 4.0E-01 | | 0.0 | -- | -- | -- | -- | -- | 15.7 |
| MW-52 | 15 | 16.0 | 0.7 | less-open | 50 | 82 | 69 | 339 | NSR | NSR | NSR | NSR | 1.4E-04 | | 4.0E-01 | | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-52 | 16 | 16.3 | 0.5 | less-open | 61 | 71 | 58 | 328 | NSR | NSR | NSR | NSR | 1.4E-04 | | 4.0E-01 | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-52 | 17 | 16.4 | 0.3 | less-open | 53 | 76 | 63 | 333 | NSR | NSR | NSR | NSR | 1.4E-04 | | 4.0E-01 | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-52 | 18 | 16.7 | 0.1 | less-open | 59 | 66 | 53 | 323 | NSR | NSR | NSR | NSR | 1.4E-04 | | 4.0E-01 | | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-52 | 19 | 16.8 | 0.0 | less-open | 40 | 281 | 268 | 178 | 4 | W | 245-290 | 45 | 1.4E-04 | | 4.0E-01 | | 0.1 | -- | -- | -- | 16.8 | -- | -- |
| MW-52 | 20 | 16.9 | -0.1 | less-open | 65 | 162 | 149 | 59 | 1 | SE | 116-165 | 49 | 1.4E-04 | | 4.0E-01 | | 0.1 | 2.2 | -- | -- | -- | -- | -- |
| MW-52 | 21 | 17.0 | -0.3 | less-open | 60 | 76 | 63 | 333 | NSR | NSR | NSR | NSR | 1.4E-04 | | 4.0E-01 | | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-52 | 22 | 17.6 | -0.9 | less-open | 62 | 72 | 59 | 329 | NSR | NSR | NSR | NSR | 1.4E-04 | | 4.0E-01 | | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-52 | 23 | 18.9 | -2.2 | less-open | 59 | 82 | 69 | 339 | NSR | NSR | NSR | NSR | 1.4E-04 | 2.5E-07 | 4.0E-01 | 7.0E-04 | 1.3 | -- | -- | -- | -- | -- | -- |
| MW-52 | 24 | 19.1 | -2.3 | less-open | 66 | 148 | 135 | 45 | 1 | SE | 116-165 | 49 | 1.4E-04 | 2.5E-07 | 4.0E-01 | 7.0E-04 | 0.1 | 2.2 | -- | -- | -- | -- | -- |
| MW-52 | 25 | 19.1 | -2.3 | less-open | 52 | 98 | 85 | 355 | 3 | E | 70-115 | 45 | 1.4E-04 | 2.5E-07 | 4.0E-01 | 7.0E-04 | 0.0 | -- | -- | 4.9 | -- | -- | -- |
| MW-52 | 26 | 19.6 | -2.9 | less-open | 60 | 148 | 135 | 45 | 1 | SE | 116-165 | 49 | 1.4E-04 | 2.5E-07 | 4.0E-01 | 7.0E-04 | 0.6 | 0.6 | -- | -- | -- | -- | -- |
| MW-52 | 27 | 19.7 | -2.9 | less-open | 73 | 167 | 154 | 64 | 1 | SE | 116-165 | 49 | 1.4E-04 | 2.5E-07 | 4.0E-01 | 7.0E-04 | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-52 | 28 | 20.3 | -3.5 | open | 61 | 72 | 59 | 329 | NSR | NSR | NSR | NSR | 1.4E-04 | 2.5E-07 | 4.0E-01 | 7.0E-04 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-52 | 29 | 20.4 | -3.6 | open | 56 | 64 | 51 | 321 | NSR | NSR | NSR | NSR | 1.4E-04 | 2.5E-07 | 4.0E-01 | 7.0E-04 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-52 | 30 | 20.5 | -3.7 | open | 60 | 74 | 61 | 331 | NSR | NSR | NSR | NSR | 1.4E-04 | 2.5E-07 | 4.0E-01 | 7.0E-04 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-52 | 31 | 20.9 | -4.1 | less-open | 43 | 98 | 85 | 355 | 3 | E | 70-115 | 45 | 1.4E-04 | 2.5E-07 | 4.0E-01 | 7.0E-04 | 0.4 | -- | -- | 1.8 | -- | -- | -- |
| MW-52 | 32 | 21.4 | -4.6 | less-open | 51 | 96 | 83 | 353 | 3 | E | 70-115 | 45 | 1.4E-04 | 2.5E-07 | 4.0E-01 | 7.0E-04 | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-52 | 33 | 21.8 | -5.1 | less-open | 44 | 300 | 287 | 197 | 4 | W | 245-290 | 45 | | 2.5E-07 | | 7.0E-04 | 0.4 | -- | -- | -- | 5.1 | -- | -- |
| MW-52 | 34 | 23.0 | -6.2 | less-open | 62 | 163 | 150 | 60 | 1 | SE | 116-165 | 49 | | 2.5E-07 | | 7.0E-04 | 1.1 | 3.3 | -- | -- | -- | -- | -- |
| MW-52 | 35 | 23.9 | -7.1 | less-open | 72 | 73 | 60 | 330 | NSR | NSR | NSR | NSR | | 2.5E-07 | | 7.0E-04 | 0.9 | -- | -- | -- | -- | -- | -- |
| MW-52 | 36 | 24.5 | -7.7 | less-open | 62 | 72 | 59 | 329 | NSR | NSR | NSR | NSR | | 2.5E-07 | | 7.0E-04 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-52 | 37 | 25.2 | -8.4 | less-open | 28 | 326 | 313 | 223 | NSR | NSR | NSR | NSR | | 2.5E-07 | | 7.0E-04 | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-52 | 38 | 25.6 | -8.8 | less-open | 25 | 321 | 308 | 218 | NSR | NSR | NSR | NSR | | 2.5E-07 | | 7.0E-04 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-52 | 39 | 26.3 | -9.5 | less-open | 35 | 139 | 126 | 36 | 1 | SE | 116-165 | 49 | | 2.5E-07 | | 7.0E-04 | 0.7 | 3.3 | -- | -- | -- | -- | -- |
| MW-52 | 40 | 26.7 | -10.0 | less-open | 78 | 154 | 141 | 51 | 1 | SE | 116-165 | 49 | | 2.5E-07 | | 7.0E-04 | 0.4 | 0.4 | -- | -- | -- | -- | -- |
| MW-52 | 41 | 26.8 | -10.1 | less-open | 79 | 162 | 149 | 59 | 1 | SE | 116-165 | 49 | | 2.5E-07 | | 7.0E-04 | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-52 | 42 | 27.3 | -10.6 | less-open | 43 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | | 2.5E-07 | | 7.0E-04 | 0.5 | -- | -- | 5.9 | -- | -- | -- |
| MW-52 | 43 | 28.6 | -11.8 | less-open | 48 | 272 | 259 | 169 | 4 | W | 245-290 | 45 | 3.5E-07 | | 1.0E-03 | | 1.2 | -- | -- | -- | 6.7 | -- | -- |
| MW-52 | 44 | 29.1 | -12.3 | less-open | 33 | 300 | 287 | 197 | NSR | NSR | NSR | NSR | 3.5E-07 | | 1.0E-03 | | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-52 | 45 | 29.4 | -12.6 | less-open | 81 | 152 | 139 | 49 | 1 | SE | 116-165 | 49 | 3.5E-07 | | 1.0E-03 | | 0.3 | 2.6 | -- | -- | -- | -- | -- |
| MW-52 | 46 | 30.4 | -13.6 | less-open | 29 | 285 | 272 | 182 | NSR | NSR | NSR | NSR | 3.5E-07 | | 1.0E-03 | | 1.0 | -- | -- | -- | -- | -- | -- |
| MW-52 | 47 | 31.1 | -14.3 | less-open | 58 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | 3.5E-07 | | 1.0E-03 | | 0.7 | -- | -- | 3.8 | -- | -- | -- |
| MW-52 | 48 | 31.5 | -14.7 | less-open | 80 | 184 | 171 | 81 | 5 | S | 166-200 | 34 | 3.5E-07 | | 1.0E-03 | | 0.4 | -- | -- | -- | -- | 31.5 | -- |
| MW-52 | 49 | 31.9 | -15.1 | less-open | 51 | 328 | 315 | 225 | 2 | NW | 291-335 | 44 | 3.5E-07 | | 1.0E-03 | | 0.4 | -- | 31.9 | -- | -- | -- | -- |
| MW-52 | 50 | 33.3 | -16.6 | less-open | 26 | 217 | 204 | 114 | NSR | NSR | NSR | NSR | 3.5E-07 | | 1.0E-03 | | 1.5 | -- | -- | -- | -- | -- | -- |
| MW-52 | 51 | 34.1 | -17.4 | less-open | 17 | 50 | 37 | 307 | NSR | NSR | NSR | NSR | 3.5E-07 | | 1.0E-03 | | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-52 | 52 | 34.2 | -17.4 | less-open | 68 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | 3.5E-07 | | 1.0E-03 | | 0.0 | -- | -- | 3.1 | -- | -- | -- |
| MW-52 | 53 | 34.8 | -18.0 | less-open | 24 | 329 | 316 | 226 | NSR | NSR | NSR | NSR | 3.5E-07 | | 1.0E-03 | | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-52 | 54 | 36.7 | -19.9 | less-open | 20 | 349 | 336 | 246 | NSR | NSR | NSR | NSR | 3.5E-07 | | 1.0E-03 | | 1.9 | -- | -- | -- | -- | -- | -- |
| MW-52 | 55 | 38.2 | -21.4 | less-open | 41 | 143 | 130 | 40 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 1.5 | 8.8 | -- | -- | -- | -- | -- |
| MW-52 | 56 | 39.2 | -22.4 | less-open | 47 | 127 | 114 | 24 | 3 | E | 70-115 | 45 | 4.6E-07 | | 1.3E-03 | | 1.0 | -- | -- | 5.0 | -- | -- | -- |
| MW-52 | 57 | 39.9 | -23.1 | less-open | 59 | 88 | 75 | 345 | 3 | E | 70-115 | 45 | 4.6E-07 | | 1.3E-03 | | 0.8 | -- | -- | 0.8 | -- | -- | -- |
| MW-52 | 58 | 40.1 | -23.3 | less-open | 53 | 126 | 113 | 23 | 3 | E | 70-115 | 45 | 4.6E-07 | | 1.3E-03 | | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-52 | 59 | 40.2 | -23.4 | less-open | 73 | 170 | 157 | 67 | 1 | SE | 116-165 | 49 | 4.6E-07 | | 1.3E-03 | | 0.1 | 2.0 | -- | -- | -- | -- | -- |
| MW-52 | 60 | 40.9 | -24.1 | less-open | 61 | 159 | 146 | 56 | 1 | SE | 116-165 | 49 | 4.6E-07 | | 1.3E-03 | | 0.7 | 0.7 | -- | -- | -- | -- | -- |
| MW-52 | 61 | 41.3 | -24.5 | less-open | 42 | 101 | 88 | 358 | 3 | E | 70-115 | 45 | 4.6E-07 | | 1.3E-03 | | 0.4 | -- | -- | 1.2 | -- | -- | -- |
| MW-52 | 62 | 41.8 | -25.0 | less-open | 71 | 165 | 152 | 62 | 1 | SE | 116-165 | 49 | 4.6E-07 | | 1.3E-03 | | 0.5 | 0.9 | -- | -- | -- | -- | -- |
| MW-52 | 63 | 41.8 | -25.1 | less-open | 71 | 84 | 71 | 341 | 3 | E | 70-115 | 45 | 4.6E-07 | | 1.3E-03 | | 0.0 | -- | -- | 0.5 | -- | -- | -- |
| MW-52 | 64 | 43.3 | -26.5 | less-open | 28 | 326 | 313 | 223 | NSR | NSR | NSR | NSR | 4.6E-07 | | 1.3E-03 | | 1.5 | -- | -- | -- | -- | -- | -- |
| MW-52 | 65 | 44.3 | -27.5 | less-open | 32 | 150 | 137 | 47 | NSR | NSR | NSR | NSR | 4.6E-07 | | 1.3E-03 | | 1.0 | -- | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-52 | 66 | 44.6 | -27.8 | less-open | 34 | 121 | 108 | 18 | 3 | E | 70-115 | 45 | 4.6E-07 | 1.3E-03 | 0.3 | -- | -- | 2.7 | -- | -- | -- |
| MW-52 | 67 | 44.9 | -28.1 | less-open | 66 | 166 | 153 | 63 | 1 | SE | 116-165 | 49 | 4.6E-07 | 1.3E-03 | 0.3 | 3.1 | -- | -- | -- | -- | -- |
| MW-52 | 68 | 44.9 | -28.2 | less-open | 40 | 296 | 283 | 193 | 4 | W | 245-290 | 45 | 4.6E-07 | 1.3E-03 | 0.1 | -- | -- | -- | 16.4 | -- | -- |
| MW-52 | 69 | 46.0 | -29.3 | less-open | 43 | 129 | 116 | 26 | 1 | SE | 116-165 | 49 | 4.6E-07 | 1.3E-03 | 1.1 | 1.2 | -- | -- | -- | -- | -- |
| MW-52 | 70 | 46.1 | -29.3 | less-open | 62 | 165 | 152 | 62 | 1 | SE | 116-165 | 49 | 4.6E-07 | 1.3E-03 | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-52 | 71 | 46.7 | -29.9 | less-open | 63 | 71 | 58 | 328 | NSR | NSR | NSR | NSR | 4.6E-07 | 1.3E-03 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-52 | 72 | 46.7 | -29.9 | less-open | 51 | 68 | 55 | 325 | NSR | NSR | NSR | NSR | 4.6E-07 | 1.3E-03 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-52 | 73 | 46.7 | -29.9 | less-open | 31 | 139 | 126 | 36 | NSR | NSR | NSR | NSR | 4.6E-07 | 1.3E-03 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-52 | 74 | 46.9 | -30.1 | less-open | 53 | 14 | 1 | 271 | 6 | N | 336-21 | 45 | 4.6E-07 | 1.3E-03 | 0.2 | -- | -- | -- | -- | -- | 31.2 |
| MW-52 | 75 | 47.1 | -30.4 | less-open | 36 | 351 | 338 | 248 | 6 | N | 336-21 | 45 | 4.6E-07 | 1.3E-03 | 0.3 | -- | -- | -- | -- | -- | 0.3 |
| MW-52 | 76 | 47.6 | -30.8 | less-open | 49 | 5 | 352 | 262 | 6 | N | 336-21 | 45 | 4.6E-07 | 1.3E-03 | 0.4 | -- | -- | -- | -- | -- | 0.4 |
| MW-52 | 77 | 48.2 | -31.4 | less-open | 44 | 8 | 355 | 265 | 6 | N | 336-21 | 45 | 4.6E-07 | 1.3E-03 | 0.6 | -- | -- | -- | -- | -- | 0.6 |
| MW-52 | 78 | 50.6 | -33.8 | less-open | 70 | 228 | 215 | 125 | NSR | NSR | NSR | NSR | 6.0E-05 | 1.7E-01 | 2.3 | -- | -- | -- | -- | -- | -- |
| MW-52 | 79 | 50.6 | -33.8 | less-open | 44 | 359 | 346 | 256 | 6 | N | 336-21 | 45 | 6.0E-05 | 1.7E-01 | 0.0 | -- | -- | -- | -- | -- | 2.4 |
| MW-52 | 80 | 51.2 | -34.4 | open | 40 | 10 | 357 | 267 | 6 | N | 336-21 | 45 | 6.0E-05 | 1.7E-01 | 0.6 | -- | -- | -- | -- | -- | 0.6 |
| MW-52 | 81 | 51.2 | -34.4 | less-open | 80 | 204 | 191 | 101 | 5 | S | 166-200 | 34 | 6.0E-05 | 1.7E-01 | 0.1 | -- | -- | -- | -- | 19.8 | -- |
| MW-52 | 82 | 53.6 | -36.8 | less-open | 64 | 228 | 215 | 125 | NSR | NSR | NSR | NSR | 6.0E-05 | 1.7E-01 | 2.4 | -- | -- | -- | -- | -- | -- |
| MW-52 | 83 | 54.4 | -37.6 | less-open | 53 | 80 | 67 | 337 | NSR | NSR | NSR | NSR | 6.0E-05 | 1.7E-01 | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-52 | 84 | 54.6 | -37.8 | less-open | 76 | 71 | 58 | 328 | NSR | NSR | NSR | NSR | 6.0E-05 | 1.7E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-52 | 85 | 56.4 | -39.7 | less-open | 63 | 83 | 70 | 340 | 3 | E | 70-115 | 45 | 6.0E-05 | 1.7E-01 | 1.8 | -- | -- | 11.9 | -- | -- | -- |
| MW-52 | 86 | 56.6 | -39.9 | less-open | 50 | 345 | 332 | 242 | 2 | NW | 291-335 | 44 | 6.0E-05 | 1.7E-01 | 0.2 | -- | 24.8 | -- | -- | -- | -- |
| MW-52 | 87 | 56.8 | -40.0 | less-open | 62 | 88 | 75 | 345 | 3 | E | 70-115 | 45 | 6.0E-05 | 1.7E-01 | 0.1 | -- | -- | 0.3 | -- | -- | -- |
| MW-52 | 88 | 56.9 | -40.1 | less-open | 61 | 94 | 81 | 351 | 3 | E | 70-115 | 45 | 6.0E-05 | 1.7E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-52 | 89 | 57.2 | -40.4 | less-open | 72 | 79 | 66 | 336 | NSR | NSR | NSR | NSR | 6.0E-05 | 1.7E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-52 | 90 | 57.4 | -40.6 | less-open | 68 | 331 | 318 | 228 | 2 | NW | 291-335 | 44 | 6.0E-05 | 1.7E-01 | 0.2 | -- | 0.7 | -- | -- | -- | -- |
| MW-52 | 91 | 57.4 | -40.7 | less-open | 67 | 95 | 82 | 352 | 3 | E | 70-115 | 45 | 6.0E-05 | 1.7E-01 | 0.1 | -- | -- | 0.6 | -- | -- | -- |
| MW-52 | 92 | 57.9 | -41.2 | less-open | 69 | 96 | 83 | 353 | 3 | E | 70-115 | 45 | 6.0E-05 | 1.7E-01 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-52 | 93 | 58.3 | -41.5 | less-open | 65 | 86 | 73 | 343 | 3 | E | 70-115 | 45 | 6.0E-05 | 1.7E-01 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-52 | 94 | 60.5 | -43.7 | less-open | 53 | 354 | 341 | 251 | 6 | N | 336-21 | 45 | 7.1E-07 | 2.0E-03 | 2.2 | -- | -- | -- | -- | -- | 9.3 |
| MW-52 | 95 | 61.2 | -44.4 | less-open | 51 | 8 | 355 | 265 | 6 | N | 336-21 | 45 | 7.1E-07 | 2.0E-03 | 0.7 | -- | -- | -- | -- | -- | 0.7 |
| MW-52 | 96 | 61.6 | -44.9 | less-open | 47 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | 7.1E-07 | 2.0E-03 | 0.5 | -- | -- | 3.4 | -- | -- | -- |
| MW-52 | 97 | 62.0 | -45.2 | less-open | 27 | 140 | 127 | 37 | NSR | NSR | NSR | NSR | 7.1E-07 | 2.0E-03 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-52 | 98 | 62.1 | -45.4 | less-open | 40 | 120 | 107 | 17 | 3 | E | 70-115 | 45 | 7.1E-07 | 2.0E-03 | 0.2 | -- | -- | 0.5 | -- | -- | -- |
| MW-52 | 99 | 62.6 | -45.9 | less-open | 37 | 121 | 108 | 18 | 3 | E | 70-115 | 45 | 7.1E-07 | 2.0E-03 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-52 | 100 | 63.0 | -46.2 | less-open | 49 | 353 | 340 | 250 | 6 | N | 336-21 | 45 | 7.1E-07 | 2.0E-03 | 0.4 | -- | -- | -- | -- | -- | 1.8 |
| MW-52 | 101 | 63.5 | -46.7 | less-open | 64 | 307 | 294 | 204 | 2 | NW | 291-335 | 44 | 7.1E-07 | 2.0E-03 | 0.5 | -- | 6.2 | -- | -- | -- | -- |
| MW-52 | 102 | 63.8 | -47.1 | less-open | 67 | 82 | 69 | 339 | NSR | NSR | NSR | NSR | 7.1E-07 | 2.0E-03 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-52 | 103 | 64.3 | -47.6 | less-open | 72 | 81 | 68 | 338 | NSR | NSR | NSR | NSR | 7.1E-07 | 2.0E-03 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-52 | 104 | 64.6 | -47.8 | less-open | 62 | 85 | 72 | 342 | 3 | E | 70-115 | 45 | 7.1E-07 | 2.0E-03 | 0.3 | -- | -- | 2.0 | -- | -- | -- |
| MW-52 | 105 | 64.8 | -48.0 | less-open | 50 | 111 | 98 | 8 | 3 | E | 70-115 | 45 | 7.1E-07 | 2.0E-03 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-52 | 106 | 64.8 | -48.0 | less-open | 48 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | 7.1E-07 | 2.0E-03 | 0.0 | -- | -- | 0.0 | -- | -- | -- |
| MW-52 | 107 | 64.9 | -48.2 | less-open | 53 | 100 | 87 | 357 | 3 | E | 70-115 | 45 | 7.1E-07 | 2.0E-03 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-52 | 108 | 65.2 | -48.4 | less-open | 50 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | 7.1E-07 | 2.0E-03 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-52 | 109 | 65.3 | -48.5 | less-open | 75 | 110 | 97 | 7 | 3 | E | 70-115 | 45 | 7.1E-07 | 2.0E-03 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-52 | 110 | 65.3 | -48.5 | less-open | 51 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | 7.1E-07 | 2.0E-03 | 0.0 | -- | -- | 0.0 | -- | -- | -- |
| MW-52 | 111 | 65.5 | -48.8 | less-open | 52 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | 7.1E-07 | 2.0E-03 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-52 | 112 | 65.7 | -48.9 | open | 54 | 95 | 82 | 352 | 3 | E | 70-115 | 45 | 7.1E-07 | 2.0E-03 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-52 | 113 | 66.1 | -49.4 | less-open | 52 | 89 | 76 | 346 | 3 | E | 70-115 | 45 | 7.1E-07 | 2.0E-03 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-52 | 114 | 66.4 | -49.6 | less-open | 48 | 111 | 98 | 8 | 3 | E | 70-115 | 45 | 7.1E-07 | 2.0E-03 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-52 | 115 | 66.5 | -49.7 | less-open | 76 | 75 | 62 | 332 | NSR | NSR | NSR | NSR | 7.1E-07 | 2.0E-03 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-52 | 116 | 66.6 | -49.8 | less-open | 60 | 91 | 78 | 348 | 3 | E | 70-115 | 45 | 7.1E-07 | 2.0E-03 | 0.1 | -- | -- | 0.2 | -- | -- | -- |
| MW-52 | 117 | 67.0 | -50.2 | less-open | 66 | 284 | 271 | 181 | 4 | W | 245-290 | 45 | 7.1E-07 | 2.0E-03 | 0.4 | -- | -- | -- | 22.0 | -- | -- |
| MW-52 | 118 | 67.0 | -50.2 | less-open | 48 | 100 | 87 | 357 | 3 | E | 70-115 | 45 | 7.1E-07 | 2.0E-03 | 0.0 | -- | -- | 0.4 | -- | -- | -- |
| MW-52 | 119 | 67.1 | -50.3 | less-open | 63 | 69 | 56 | 326 | NSR | NSR | NSR | NSR | 7.1E-07 | 2.0E-03 | 0.1 | -- | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | | ft/day | | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-52 | 120 | 67.2 | -50.4 | less-open | 47 | 104 | 91 | 1 | 3 | E | 70-115 | 45 | 7.1E-07 | | 2.0E-03 | | 0.1 | -- | -- | 0.2 | -- | -- | -- |
| MW-52 | 121 | 67.4 | -50.6 | less-open | 59 | 111 | 98 | 8 | 3 | E | 70-115 | 45 | 7.1E-07 | | 2.0E-03 | | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-52 | 122 | 67.7 | -50.9 | less-open | 44 | 103 | 90 | 360 | 3 | E | 70-115 | 45 | 7.1E-07 | | 2.0E-03 | | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-52 | 123 | 67.8 | -51.0 | less-open | 48 | 120 | 107 | 17 | 3 | E | 70-115 | 45 | 7.1E-07 | | 2.0E-03 | | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-52 | 124 | 69.3 | -52.5 | less-open | 49 | 104 | 91 | 1 | 3 | E | 70-115 | 45 | 7.1E-07 | | 2.0E-03 | | 1.5 | -- | -- | 1.5 | -- | -- | -- |
| MW-52 | 125 | 69.5 | -52.8 | less-open | 51 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 7.1E-07 | | 2.0E-03 | | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-52 | 126 | 69.7 | -52.9 | less-open | 47 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | 7.1E-07 | | 2.0E-03 | | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-52 | 127 | 70.0 | -53.2 | less-open | 45 | 99 | 86 | 356 | 3 | E | 70-115 | 45 | 7.1E-07 | | 2.0E-03 | | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-52 | 128 | 70.2 | -53.4 | less-open | 53 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | 7.1E-07 | | 2.0E-03 | | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-52 | 129 | 71.4 | -54.6 | less-open | 52 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 7.1E-07 | | 2.0E-03 | | 1.2 | -- | -- | 1.2 | -- | -- | -- |
| MW-52 | 130 | 72.0 | -55.2 | less-open | 56 | 91 | 78 | 348 | 3 | E | 70-115 | 45 | 7.1E-07 | | 2.0E-03 | | 0.7 | -- | -- | 0.7 | -- | -- | -- |
| MW-52 | 131 | 72.1 | -55.4 | less-open | 60 | 97 | 84 | 354 | 3 | E | 70-115 | 45 | 7.1E-07 | | 2.0E-03 | | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-52 | 132 | 72.4 | -55.7 | less-open | 51 | 114 | 101 | 11 | 3 | E | 70-115 | 45 | 7.1E-07 | | 2.0E-03 | | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-52 | 133 | 74.1 | -57.3 | less-open | 60 | 93 | 80 | 350 | 3 | E | 70-115 | 45 | 7.1E-07 | | 2.0E-03 | | 1.7 | -- | -- | 1.7 | -- | -- | -- |
| MW-52 | 134 | 74.2 | -57.4 | less-open | 61 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | 7.1E-07 | | 2.0E-03 | | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-52 | 135 | 74.5 | -57.7 | less-open | 61 | 88 | 75 | 345 | 3 | E | 70-115 | 45 | 7.1E-07 | | 2.0E-03 | | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-52 | 136 | 74.6 | -57.9 | less-open | 65 | 92 | 79 | 349 | 3 | E | 70-115 | 45 | 7.1E-07 | | 2.0E-03 | | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-52 | 137 | 74.8 | -58.0 | less-open | 64 | 90 | 77 | 347 | 3 | E | 70-115 | 45 | 7.1E-07 | | 2.0E-03 | | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-52 | 138 | 77.0 | -60.2 | less-open | 66 | 82 | 69 | 339 | NSR | NSR | NSR | NSR | 7.1E-07 | 7.1E-06 | 2.0E-03 | 2.0E-02 | 2.3 | -- | -- | -- | -- | -- | -- |
| MW-52 | 139 | 77.2 | -60.5 | less-open | 81 | 195 | 182 | 92 | 5 | S | 166-200 | 34 | 7.1E-07 | 7.1E-06 | 2.0E-03 | 2.0E-02 | 0.2 | -- | -- | -- | -- | 26.0 | -- |
| MW-52 | 140 | 79.3 | -62.5 | less-open | 54 | 354 | 341 | 251 | 6 | N | 336-21 | 45 | | 7.1E-06 | | 2.0E-02 | 2.0 | -- | -- | -- | -- | -- | 16.3 |
| MW-52 | 141 | 79.4 | -62.6 | less-open | 63 | 336 | 323 | 233 | 2 | NW | 291-335 | 44 | | 7.1E-06 | | 2.0E-02 | 0.1 | -- | 15.9 | -- | -- | -- | -- |
| MW-52 | 142 | 80.5 | -63.7 | less-open | 79 | 129 | 116 | 26 | 1 | SE | 116-165 | 49 | | 7.1E-06 | | 2.0E-02 | 1.1 | 34.4 | -- | -- | -- | -- | -- |
| MW-52 | 143 | 81.7 | -64.9 | less-open | 75 | 176 | 163 | 73 | 1 | SE | 116-165 | 49 | | 7.1E-06 | | 2.0E-02 | 1.1 | 1.1 | -- | -- | -- | -- | -- |
| MW-52 | 144 | 82.7 | -65.9 | less-open | 71 | 175 | 162 | 72 | 1 | SE | 116-165 | 49 | | 7.1E-06 | | 2.0E-02 | 1.0 | 1.0 | -- | -- | -- | -- | -- |
| MW-52 | 145 | 84.5 | -67.7 | less-open | 70 | 212 | 199 | 109 | 5 | S | 166-200 | 34 | | 7.1E-06 | | 2.0E-02 | 1.8 | -- | -- | -- | -- | 7.3 | -- |
| MW-52 | 146 | 84.5 | -67.8 | less-open | 72 | 174 | 161 | 71 | 1 | SE | 116-165 | 49 | | 7.1E-06 | | 2.0E-02 | 0.0 | 1.9 | -- | -- | -- | -- | -- |
| MW-52 | 147 | 84.8 | -68.1 | less-open | 60 | 339 | 326 | 236 | 2 | NW | 291-335 | 44 | | 7.1E-06 | | 2.0E-02 | 0.3 | -- | 5.4 | -- | -- | -- | -- |
| MW-52 | 148 | 85.4 | -68.7 | less-open | 73 | 190 | 177 | 87 | 5 | S | 166-200 | 34 | | 7.1E-06 | | 2.0E-02 | 0.6 | -- | -- | -- | -- | 0.9 | -- |
| MW-52 | 149 | 85.7 | -68.9 | less-open | 48 | 113 | 100 | 10 | 3 | E | 70-115 | 45 | | 7.1E-06 | | 2.0E-02 | 0.3 | -- | -- | 10.9 | -- | -- | -- |
| MW-52 | 150 | 85.7 | -69.0 | less-open | 55 | 343 | 330 | 240 | 2 | NW | 291-335 | 44 | | 7.1E-06 | | 2.0E-02 | 0.0 | -- | 0.9 | -- | -- | -- | -- |
| MW-52 | 151 | 85.8 | -69.0 | less-open | 74 | 182 | 169 | 79 | 5 | S | 166-200 | 34 | | 7.1E-06 | | 2.0E-02 | 0.0 | -- | -- | -- | -- | 0.3 | -- |
| MW-52 | 152 | 87.0 | -70.2 | less-open | 50 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | TNP | | TNP | | 1.3 | -- | -- | 1.3 | -- | -- | -- |
| MW-52 | 153 | 88.2 | -71.4 | less-open | 55 | 343 | 330 | 240 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 1.2 | -- | 2.5 | -- | -- | -- | -- |
| MW-52 | 154 | 89.0 | -72.2 | less-open | 55 | 91 | 78 | 348 | 3 | E | 70-115 | 45 | 8.5E-05 | | 2.4E-01 | | 0.8 | -- | -- | 2.0 | -- | -- | -- |
| MW-52 | 155 | 89.2 | -72.4 | less-open | 63 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | 8.5E-05 | | 2.4E-01 | | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-52 | 156 | 89.8 | -73.0 | less-open | 56 | 114 | 101 | 11 | 3 | E | 70-115 | 45 | 8.5E-05 | | 2.4E-01 | | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-52 | 157 | 89.8 | -73.1 | less-open | 58 | 356 | 343 | 253 | 6 | N | 336-21 | 45 | 8.5E-05 | | 2.4E-01 | | 0.0 | -- | -- | -- | -- | -- | 10.6 |
| MW-52 | 158 | 90.8 | -74.0 | less-open | 76 | 126 | 113 | 23 | 3 | E | 70-115 | 45 | 8.5E-05 | | 2.4E-01 | | 1.0 | -- | -- | 1.0 | -- | -- | -- |
| MW-52 | 159 | 92.4 | -75.7 | less-open | 57 | 188 | 175 | 85 | 5 | S | 166-200 | 34 | 8.5E-05 | | 2.4E-01 | | 1.6 | -- | -- | -- | -- | 6.7 | -- |
| MW-52 | 160 | 92.6 | -75.8 | less-open | 60 | 197 | 184 | 94 | 5 | S | 166-200 | 34 | 8.5E-05 | | 2.4E-01 | | 0.1 | -- | -- | -- | -- | 0.1 | -- |
| MW-52 | 161 | 92.8 | -76.1 | less-open | 55 | 356 | 343 | 253 | 6 | N | 336-21 | 45 | 8.5E-05 | | 2.4E-01 | | 0.3 | -- | -- | -- | -- | -- | 3.0 |
| MW-52 | 162 | 92.9 | -76.2 | less-open | 72 | 179 | 166 | 76 | 5 | S | 166-200 | 34 | 8.5E-05 | | 2.4E-01 | | 0.1 | -- | -- | -- | -- | 0.4 | -- |
| MW-52 | 163 | 93.1 | -76.3 | less-open | 65 | 190 | 177 | 87 | 5 | S | 166-200 | 34 | 8.5E-05 | | 2.4E-01 | | 0.1 | -- | -- | -- | -- | 0.1 | -- |
| MW-52 | 164 | 93.1 | -76.4 | less-open | 42 | 294 | 281 | 191 | 4 | W | 245-290 | 45 | 8.5E-05 | | 2.4E-01 | | 0.1 | -- | -- | -- | 26.2 | -- | -- |
| MW-52 | 165 | 93.5 | -76.7 | less-open | 53 | 348 | 335 | 245 | 2 | NW | 291-335 | 44 | 8.5E-05 | | 2.4E-01 | | 0.3 | -- | 5.3 | -- | -- | -- | -- |
| MW-52 | 166 | 96.3 | -79.6 | less-open | 36 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | 8.5E-05 | | 2.4E-01 | | 2.8 | -- | -- | 5.5 | -- | -- | -- |
| MW-52 | 167 | 96.5 | -79.7 | less-open | 54 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | 8.5E-05 | | 2.4E-01 | | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-52 | 168 | 96.6 | -79.8 | less-open | 47 | 124 | 111 | 21 | 3 | E | 70-115 | 45 | 8.5E-05 | | 2.4E-01 | | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-52 | 169 | 97.0 | -80.3 | less-open | 53 | 205 | 192 | 102 | 5 | S | 166-200 | 34 | 8.5E-05 | | 2.4E-01 | | 0.4 | -- | -- | -- | -- | 4.0 | -- |
| MW-52 | 170 | 98.2 | -81.5 | less-open | 31 | 319 | 306 | 216 | NSR | NSR | NSR | NSR | 8.5E-05 | | 2.4E-01 | | 1.2 | -- | -- | -- | -- | -- | -- |
| MW-52 | 171 | 100.6 | -83.8 | less-open | 51 | 352 | 339 | 249 | 6 | N | 336-21 | 45 | TNP | | TNP | | 2.3 | -- | -- | -- | -- | -- | 7.7 |
| MW-52 | 172 | 100.7 | -83.9 | less-open | 57 | 346 | 333 | 243 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 0.1 | -- | 7.2 | -- | -- | -- | -- |
| MW-52 | 173 | 101.4 | -84.6 | less-open | 62 | 325 | 312 | 222 | 2 | NW | 291-335 | 44 | 5.6E-05 | | 1.6E-01 | | 0.7 | -- | 0.7 | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-52 | 174 | 102.0 | -85.2 | less-open | 50 | 357 | 344 | 254 | 6 | N | 336-21 | 45 | 5.6E-05 | 1.6E-01 | 0.6 | -- | -- | -- | -- | -- | 1.4 |
| MW-52 | 175 | 104.6 | -87.8 | less-open | 34 | 157 | 144 | 54 | 1 | SE | 116-165 | 49 | 5.6E-05 | 1.6E-01 | 2.6 | 20.1 | -- | -- | -- | -- | -- |
| MW-52 | 176 | 104.6 | -87.9 | less-open | 51 | 354 | 341 | 251 | 6 | N | 336-21 | 45 | 5.6E-05 | 1.6E-01 | 0.1 | -- | -- | -- | -- | -- | 2.6 |
| MW-52 | 177 | 104.8 | -88.0 | less-open | 40 | 183 | 170 | 80 | 5 | S | 166-200 | 34 | 5.6E-05 | 1.6E-01 | 0.1 | -- | -- | -- | -- | 7.7 | -- |
| MW-52 | 178 | 105.2 | -88.5 | less-open | 46 | 198 | 185 | 95 | 5 | S | 166-200 | 34 | 5.6E-05 | 1.6E-01 | 0.5 | -- | -- | -- | -- | 0.5 | -- |
| MW-52 | 179 | 106.0 | -89.2 | less-open | 45 | 177 | 164 | 74 | 1 | SE | 116-165 | 49 | 5.6E-05 | 1.6E-01 | 0.8 | 1.4 | -- | -- | -- | -- | -- |
| MW-52 | 180 | 108.9 | -92.1 | less-open | 36 | 161 | 148 | 58 | 1 | SE | 116-165 | 49 | 5.6E-05 | 1.6E-01 | 2.9 | 2.9 | -- | -- | -- | -- | -- |
| MW-52 | 181 | 109.0 | -92.2 | less-open | 47 | 333 | 320 | 230 | 2 | NW | 291-335 | 44 | 5.6E-05 | 1.6E-01 | 0.1 | -- | 7.6 | -- | -- | -- | -- |
| MW-52 | 182 | 109.1 | -92.3 | less-open | 47 | 5 | 352 | 262 | 6 | N | 336-21 | 45 | 5.6E-05 | 1.6E-01 | 0.1 | -- | -- | -- | -- | -- | 4.4 |
| MW-52 | 183 | 110.0 | -93.2 | less-open | 48 | 125 | 112 | 22 | 3 | E | 70-115 | 45 | TNP | TNP | 0.9 | -- | -- | 13.4 | -- | -- | -- |
| MW-52 | 184 | 111.7 | -94.9 | less-open | 70 | 212 | 199 | 109 | 5 | S | 166-200 | 34 | TNP | TNP | 1.7 | -- | -- | -- | -- | 6.5 | -- |
| MW-52 | 185 | 112.5 | -95.7 | less-open | 67 | 220 | 207 | 117 | NSR | NSR | NSR | NSR | TNP | TNP | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-52 | 186 | 113.0 | -96.2 | less-open | 52 | 354 | 341 | 251 | 6 | N | 336-21 | 45 | TNP | TNP | 0.5 | -- | -- | -- | -- | -- | 4.0 |
| MW-52 | 187 | 113.5 | -96.8 | less-open | 71 | 94 | 81 | 351 | 3 | E | 70-115 | 45 | TNP | TNP | 0.5 | -- | -- | 3.6 | -- | -- | -- |
| MW-52 | 188 | 114.8 | -98.0 | less-open | 67 | 174 | 161 | 71 | 1 | SE | 116-165 | 49 | TNP | TNP | 1.2 | 5.9 | -- | -- | -- | -- | -- |
| MW-52 | 189 | 115.3 | -98.6 | less-open | 62 | 106 | 93 | 3 | 3 | E | 70-115 | 45 | TNP | TNP | 0.6 | -- | -- | 1.8 | -- | -- | -- |
| MW-52 | 190 | 116.5 | -99.7 | less-open | 63 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | 4.6E-05 | 1.3E-01 | 1.2 | -- | -- | 1.2 | -- | -- | -- |
| MW-52 | 191 | 116.6 | -99.8 | less-open | 60 | 99 | 86 | 356 | 3 | E | 70-115 | 45 | 4.6E-05 | 1.3E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-52 | 192 | 117.2 | -100.5 | less-open | 54 | 113 | 100 | 10 | 3 | E | 70-115 | 45 | 4.6E-05 | 1.3E-01 | 0.7 | -- | -- | 0.7 | -- | -- | -- |
| MW-52 | 193 | 117.3 | -100.5 | less-open | 56 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | 4.6E-05 | 1.3E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-52 | 194 | 117.7 | -100.9 | less-open | 53 | 104 | 91 | 1 | 3 | E | 70-115 | 45 | 4.6E-05 | 1.3E-01 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-52 | 195 | 117.9 | -101.1 | less-open | 40 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | 4.6E-05 | 1.3E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-52 | 196 | 118.5 | -101.7 | less-open | 60 | 103 | 90 | 360 | 3 | E | 70-115 | 45 | 4.6E-05 | 1.3E-01 | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-52 | 197 | 118.8 | -102.0 | less-open | 68 | 103 | 90 | 360 | 3 | E | 70-115 | 45 | 4.6E-05 | 1.3E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-52 | 198 | 118.9 | -102.1 | open | 58 | 103 | 90 | 360 | 3 | E | 70-115 | 45 | 4.6E-05 | 1.3E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-52 | 199 | 119.1 | -102.3 | less-open | 52 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | 4.6E-05 | 1.3E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-52 | 200 | 119.2 | -102.4 | less-open | 52 | 111 | 98 | 8 | 3 | E | 70-115 | 45 | 4.6E-05 | 1.3E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-52 | 201 | 119.4 | -102.6 | less-open | 58 | 120 | 107 | 17 | 3 | E | 70-115 | 45 | 4.6E-05 | 1.3E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-52 | 202 | 120.0 | -103.2 | less-open | 52 | 105 | 92 | 2 | 3 | E | 70-115 | 45 | 4.6E-05 | 1.3E-01 | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-52 | 203 | 120.3 | -103.6 | less-open | 52 | 101 | 88 | 358 | 3 | E | 70-115 | 45 | 4.6E-05 | 1.3E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-52 | 204 | 120.7 | -104.0 | open | 64 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | 4.6E-05 | 1.3E-01 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-52 | 205 | 120.9 | -104.1 | less-open | 42 | 129 | 116 | 26 | 1 | SE | 116-165 | 49 | 4.6E-05 | 1.3E-01 | 0.2 | 6.2 | -- | -- | -- | -- | -- |
| MW-52 | 206 | 121.2 | -104.5 | less-open | 52 | 118 | 105 | 15 | 3 | E | 70-115 | 45 | 4.6E-05 | 1.3E-01 | 0.3 | -- | -- | 0.5 | -- | -- | -- |
| MW-52 | 207 | 121.7 | -104.9 | less-open | 53 | 122 | 109 | 19 | 3 | E | 70-115 | 45 | 4.6E-05 | 1.3E-01 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-52 | 208 | 121.8 | -105.1 | less-open | 50 | 104 | 91 | 1 | 3 | E | 70-115 | 45 | 4.6E-05 | 1.3E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-52 | 209 | 122.0 | -105.2 | less-open | 43 | 129 | 116 | 26 | 1 | SE | 116-165 | 49 | 4.6E-05 | 1.3E-01 | 0.1 | 1.1 | -- | -- | -- | -- | -- |
| MW-52 | 210 | 122.7 | -105.9 | less-open | 40 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | 4.6E-05 | 1.3E-01 | 0.7 | -- | -- | 0.8 | -- | -- | -- |
| MW-52 | 211 | 122.8 | -106.1 | less-open | 57 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | 4.6E-05 | 1.3E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-52 | 212 | 123.3 | -106.6 | less-open | 43 | 120 | 107 | 17 | 3 | E | 70-115 | 45 | 4.6E-05 | 1.3E-01 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-52 | 213 | 123.5 | -106.8 | less-open | 74 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | 4.6E-05 | 1.3E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-52 | 214 | 123.8 | -107.0 | open | 64 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | 4.6E-05 | 1.3E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-52 | 215 | 124.0 | -107.3 | less-open | 32 | 166 | 153 | 63 | NSR | NSR | NSR | NSR | 4.6E-05 | 1.3E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-52 | 216 | 124.0 | -107.3 | less-open | 33 | 167 | 154 | 64 | NSR | NSR | NSR | NSR | 4.6E-05 | 1.3E-01 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-52 | 217 | 124.2 | -107.4 | less-open | 32 | 155 | 142 | 52 | NSR | NSR | NSR | NSR | 4.6E-05 | 1.3E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-52 | 218 | 124.4 | -107.7 | open | 48 | 142 | 129 | 39 | 1 | SE | 116-165 | 49 | 4.6E-05 | 1.3E-01 | 0.3 | 2.5 | -- | -- | -- | -- | -- |
| MW-52 | 219 | 124.6 | -107.8 | less-open | 50 | 138 | 125 | 35 | 1 | SE | 116-165 | 49 | 4.6E-05 | 1.3E-01 | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-52 | 220 | 124.7 | -107.9 | open | 53 | 111 | 98 | 8 | 3 | E | 70-115 | 45 | 4.6E-05 | 1.3E-01 | 0.1 | -- | -- | 0.9 | -- | -- | -- |
| MW-52 | 221 | 128.8 | -112.1 | less-open | 10 | 322 | 309 | 219 | NSR | NSR | NSR | NSR | TNP | TNP | 4.1 | -- | -- | -- | -- | -- | -- |
| MW-52 | 222 | 133.8 | -117.0 | less-open | 68 | 111 | 98 | 8 | 3 | E | 70-115 | 45 | 2.8E-05 | 8.0E-02 | 4.9 | -- | -- | 9.1 | -- | -- | -- |
| MW-52 | 223 | 134.8 | -118.0 | less-open | 68 | 105 | 92 | 2 | 3 | E | 70-115 | 45 | 2.8E-05 | 8.0E-02 | 1.0 | -- | -- | 1.0 | -- | -- | -- |
| MW-52 | 224 | 141.4 | -124.6 | less-open | 60 | 114 | 101 | 11 | 3 | E | 70-115 | 45 | 2.8E-05 | 8.0E-02 | 6.6 | -- | -- | 6.6 | -- | -- | -- |
| MW-52 | 225 | 142.4 | -125.6 | less-open | 26 | 246 | 233 | 143 | NSR | NSR | NSR | NSR | 2.8E-05 | 8.0E-02 | 1.0 | -- | -- | -- | -- | -- | -- |
| MW-52 | 226 | 144.4 | -127.6 | less-open | 35 | 214 | 201 | 111 | NSR | NSR | NSR | NSR | 5.3E-05 | 1.5E-01 | 2.0 | -- | -- | -- | -- | -- | -- |
| MW-52 | 227 | 145.1 | -128.4 | less-open | 33 | 207 | 194 | 104 | NSR | NSR | NSR | NSR | 5.3E-05 | 1.5E-01 | 0.8 | -- | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-52 | 228 | 145.2 | -128.4 | less-open | 73 | 320 | 307 | 217 | 2 | NW | 291-335 | 44 | 5.3E-05 | 1.5E-01 | 0.1 | -- | 36.2 | -- | -- | -- | -- |
| MW-52 | 229 | 148.4 | -131.6 | less-open | 80 | 101 | 88 | 358 | 3 | E | 70-115 | 45 | 5.3E-05 | 1.5E-01 | 3.2 | -- | -- | 7.0 | -- | -- | -- |
| MW-52 | 230 | 149.7 | -133.0 | less-open | 68 | 201 | 188 | 98 | 5 | S | 166-200 | 34 | 5.3E-05 | 1.5E-01 | 1.4 | -- | -- | -- | -- | 38.1 | -- |
| MW-52 | 231 | 150.4 | -133.7 | less-open | 40 | 215 | 202 | 112 | NSR | NSR | NSR | NSR | 5.3E-05 | 1.5E-01 | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-52 | 232 | 151.4 | -134.7 | less-open | 38 | 273 | 260 | 170 | 4 | W | 245-290 | 45 | 5.3E-05 | 1.5E-01 | 1.0 | -- | -- | -- | 58.3 | -- | -- |
| MW-52 | 233 | 159.2 | -142.5 | less-open | 45 | 91 | 78 | 348 | 3 | E | 70-115 | 45 | 4.9E-05 | 1.4E-01 | 7.8 | -- | -- | 10.9 | -- | -- | -- |
| MW-52 | 234 | 160.1 | -143.3 | less-open | 68 | 97 | 84 | 354 | 3 | E | 70-115 | 45 | 4.9E-05 | 1.4E-01 | 0.9 | -- | -- | 0.9 | -- | -- | -- |
| MW-52 | 235 | 162.4 | -145.6 | less-open | 61 | 106 | 93 | 3 | 3 | E | 70-115 | 45 | 4.9E-05 | 1.4E-01 | 2.3 | -- | -- | 2.3 | -- | -- | -- |
| MW-52 | 236 | 162.7 | -146.0 | less-open | 46 | 151 | 138 | 48 | 1 | SE | 116-165 | 49 | 4.9E-05 | 1.4E-01 | 0.3 | 38.1 | -- | -- | -- | -- | -- |
| MW-52 | 237 | 162.9 | -146.1 | less-open | 60 | 106 | 93 | 3 | 3 | E | 70-115 | 45 | 4.9E-05 | 1.4E-01 | 0.2 | -- | -- | 0.5 | -- | -- | -- |
| MW-52 | 238 | 163.5 | -146.7 | less-open | 48 | 194 | 181 | 91 | 5 | S | 166-200 | 34 | 4.9E-05 | 1.4E-01 | 0.6 | -- | -- | -- | -- | 13.7 | -- |
| MW-52 | 239 | 164.0 | -147.2 | less-open | 46 | 274 | 261 | 171 | 4 | W | 245-290 | 45 | 4.9E-05 | 1.4E-01 | 0.5 | -- | -- | -- | 12.6 | -- | -- |
| MW-52 | 240 | 164.3 | -147.6 | less-open | 50 | 99 | 86 | 356 | 3 | E | 70-115 | 45 | 4.9E-05 | 1.4E-01 | 0.3 | -- | -- | 1.5 | -- | -- | -- |
| MW-52 | 241 | 164.6 | -147.8 | less-open | 64 | 106 | 93 | 3 | 3 | E | 70-115 | 45 | 4.9E-05 | 1.4E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-52 | 242 | 164.9 | -148.1 | less-open | 49 | 281 | 268 | 178 | 4 | W | 245-290 | 45 | 4.9E-05 | 1.4E-01 | 0.3 | -- | -- | -- | 0.8 | -- | -- |
| MW-52 | 243 | 164.9 | -148.1 | less-open | 67 | 103 | 90 | 360 | 3 | E | 70-115 | 45 | 4.9E-05 | 1.4E-01 | 0.1 | -- | -- | 0.3 | -- | -- | -- |
| MW-52 | 244 | 165.1 | -148.4 | less-open | 59 | 105 | 92 | 2 | 3 | E | 70-115 | 45 | 4.9E-05 | 1.4E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-52 | 245 | 165.3 | -148.5 | less-open | 58 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | 4.9E-05 | 1.4E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-52 | 246 | 165.5 | -148.7 | less-open | 60 | 90 | 77 | 347 | 3 | E | 70-115 | 45 | 4.9E-05 | 1.4E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-52 | 247 | 166.3 | -149.5 | less-open | 66 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 4.9E-05 | 1.4E-01 | 0.8 | -- | -- | 0.8 | -- | -- | -- |
| MW-52 | 248 | 166.8 | -150.1 | less-open | 60 | 91 | 78 | 348 | 3 | E | 70-115 | 45 | 4.9E-05 | 1.4E-01 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-52 | 249 | 169.1 | -152.4 | less-open | 74 | 97 | 84 | 354 | 3 | E | 70-115 | 45 | 2.1E-05 | 6.0E-02 | 2.3 | -- | -- | 2.3 | -- | -- | -- |
| MW-52 | 250 | 169.7 | -153.0 | less-open | 70 | 104 | 91 | 1 | 3 | E | 70-115 | 45 | 2.1E-05 | 6.0E-02 | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-52 | 251 | 173.2 | -156.4 | less-open | 64 | 263 | 250 | 160 | 4 | W | 245-290 | 45 | 2.1E-05 | 6.0E-02 | 3.4 | -- | -- | -- | 8.3 | -- | -- |
| MW-52 | 252 | 174.0 | -157.3 | less-open | 62 | 127 | 114 | 24 | 3 | E | 70-115 | 45 | 2.1E-05 | 6.0E-02 | 0.9 | -- | -- | 4.3 | -- | -- | -- |
| MW-52 | 253 | 175.0 | -158.2 | less-open | 29 | 289 | 276 | 186 | NSR | NSR | NSR | NSR | 2.1E-05 | 6.0E-02 | 1.0 | -- | -- | -- | -- | -- | -- |
| MW-52 | 254 | 175.1 | -158.3 | less-open | 60 | 158 | 145 | 55 | 1 | SE | 116-165 | 49 | 2.1E-05 | 6.0E-02 | 0.1 | 12.4 | -- | -- | -- | -- | -- |
| MW-52 | 255 | 175.3 | -158.5 | less-open | 62 | 151 | 138 | 48 | 1 | SE | 116-165 | 49 | 2.1E-05 | 6.0E-02 | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-52 | 256 | 175.7 | -158.9 | less-open | 66 | 145 | 132 | 42 | 1 | SE | 116-165 | 49 | 2.1E-05 | 6.0E-02 | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-52 | 257 | 176.5 | -159.8 | less-open | 49 | 262 | 249 | 159 | 4 | W | 245-290 | 45 | 2.1E-05 | 6.0E-02 | 0.9 | -- | -- | -- | 3.4 | -- | -- |
| MW-52 | 258 | 178.5 | -161.7 | less-open | 43 | 241 | 228 | 138 | NSR | NSR | NSR | NSR | TNP | TNP | 2.0 | -- | -- | -- | -- | -- | -- |
| MW-52 | 259 | 179.7 | -162.9 | less-open | 54 | 267 | 254 | 164 | 4 | W | 245-290 | 45 | TNP | TNP | 1.2 | -- | -- | -- | 3.2 | -- | -- |
| MW-52 | 260 | 180.1 | -163.3 | less-open | 41 | 271 | 258 | 168 | 4 | W | 245-290 | 45 | TNP | TNP | 0.4 | -- | -- | -- | 0.4 | -- | -- |
| MW-52 | 261 | 180.4 | -163.6 | less-open | 46 | 271 | 258 | 168 | 4 | W | 245-290 | 45 | TNP | TNP | 0.3 | -- | -- | -- | 0.3 | -- | -- |
| MW-52 | 262 | 181.2 | -164.4 | less-open | 44 | 280 | 267 | 177 | 4 | W | 245-290 | 45 | TNP | TNP | 0.8 | -- | -- | -- | 0.8 | -- | -- |
| MW-52 | 263 | 182.8 | -166.0 | less-open | 69 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | TNP | TNP | 1.6 | 7.2 | -- | -- | -- | -- | -- |
| MW-52 | 264 | 183.5 | -166.7 | less-open | 73 | 133 | 120 | 30 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.7 | 0.7 | -- | -- | -- | -- | -- |
| MW-52 | 265 | 184.2 | -167.4 | less-open | 67 | 131 | 118 | 28 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.7 | 0.7 | -- | -- | -- | -- | -- |
| MW-52 | 266 | 185.7 | -168.9 | less-open | 56 | 120 | 107 | 17 | 3 | E | 70-115 | 45 | TNP | TNP | 1.5 | -- | -- | 11.7 | -- | -- | -- |
| MW-52 | 267 | 186.2 | -169.4 | less-open | 73 | 111 | 98 | 8 | 3 | E | 70-115 | 45 | TNP | TNP | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-52 | 268 | 187.1 | -170.3 | less-open | 46 | 282 | 269 | 179 | 4 | W | 245-290 | 45 | TNP | TNP | 0.9 | -- | -- | -- | 5.8 | -- | -- |
| MW-52 | 269 | 187.3 | -170.5 | less-open | 45 | 279 | 266 | 176 | 4 | W | 245-290 | 45 | TNP | TNP | 0.2 | -- | -- | -- | 0.2 | -- | -- |
| MW-52 | 270 | 188.0 | -171.2 | less-open | 74 | 182 | 169 | 79 | 5 | S | 166-200 | 34 | TNP | TNP | 0.7 | -- | -- | -- | -- | 24.5 | -- |
| MW-52 | 271 | 188.8 | -172.0 | less-open | 45 | 181 | 168 | 78 | 5 | S | 166-200 | 34 | TNP | TNP | 0.8 | -- | -- | -- | -- | 0.8 | -- |
| MW-52 | 272 | 190.2 | -173.4 | less-open | 60 | 286 | 273 | 183 | 4 | W | 245-290 | 45 | TNP | TNP | 1.4 | -- | -- | -- | 2.9 | -- | -- |
| MW-53 | 1 | 59.49 | 10.8 | less-open | 36 | 212 | 199 | 109 | 5 | S | 166-200 | 34 | 0.0 | 3.0E-01 | NA | -- | -- | -- | -- | 59.5 | -- |
| MW-53 | 2 | 59.87 | 10.4 | less-open | 66 | 91 | 78 | 348 | 3 | E | 70-115 | 45 | 0.0 | 3.0E-01 | 0.4 | -- | -- | 59.9 | -- | -- | -- |
| MW-53 | 3 | 60.26 | 10.0 | less-open | 22 | 9 | 356 | 266 | NSR | NSR | NSR | NSR | 0.0 | 3.0E-01 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-53 | 4 | 61.46 | 8.8 | less-open | 21 | 186 | 173 | 83 | NSR | NSR | NSR | NSR | 0.0 | 3.0E-01 | 1.2 | -- | -- | -- | -- | -- | -- |
| MW-53 | 5 | 61.52 | 8.7 | less-open | 80 | 239 | 226 | 136 | NSR | NSR | NSR | NSR | 0.0 | 3.0E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-53 | 6 | 62.51 | 7.8 | less-open | 76 | 246 | 233 | 143 | NSR | NSR | NSR | NSR | 0.0 | 3.0E-01 | 1.0 | -- | -- | -- | -- | -- | -- |
| MW-53 | 7 | 63.02 | 7.2 | less-open | 16 | 234 | 221 | 131 | NSR | NSR | NSR | NSR | 0.0 | 3.0E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-53 | 8 | 63.35 | 6.9 | less-open | 76 | 244 | 231 | 141 | NSR | NSR | NSR | NSR | 0.0 | 3.0E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-53 | 9 | 63.96 | 6.3 | less-open | 80 | 249 | 236 | 146 | NSR | NSR | NSR | NSR | 0.0 | 3.0E-01 | 0.6 | -- | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-53 | 10 | 64.71 | 5.6 | less-open | 81 | 250 | 237 | 147 | NSR | NSR | NSR | NSR | 0.0 | 3.0E-01 | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-53 | 11 | 64.93 | 5.3 | less-open | 24 | 211 | 198 | 108 | NSR | NSR | NSR | NSR | 0.0 | 3.0E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-53 | 12 | 65.3 | 5.0 | less-open | 20 | 200 | 187 | 97 | NSR | NSR | NSR | NSR | 0.0 | 3.0E-01 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-53 | 13 | 66.26 | 4.0 | less-open | 55 | 110 | 97 | 7 | 3 | E | 70-115 | 45 | 0.0 | 3.0E-01 | 1.0 | -- | -- | 6.4 | -- | -- | -- |
| MW-53 | 14 | 66.92 | 3.3 | less-open | 31 | 208 | 195 | 105 | NSR | NSR | NSR | NSR | 0.0 | 3.0E-01 | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-53 | 15 | 66.93 | 3.3 | less-open | 74 | 243 | 230 | 140 | NSR | NSR | NSR | NSR | 0.0 | 3.0E-01 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-53 | 16 | 67.07 | 3.2 | less-open | 59 | 49 | 36 | 306 | NSR | NSR | NSR | NSR | 0.0 | 3.0E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-53 | 17 | 67.58 | 2.7 | less-open | 17 | 340 | 327 | 237 | NSR | NSR | NSR | NSR | 0.0 | 3.0E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-53 | 18 | 68.22 | 2.0 | less-open | 79 | 244 | 231 | 141 | NSR | NSR | NSR | NSR | 0.0 | 3.0E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-53 | 19 | 68.89 | 1.4 | less-open | 51 | 101 | 88 | 358 | 3 | E | 70-115 | 45 | 0.0 | 3.0E-01 | 0.7 | -- | -- | 2.6 | -- | -- | -- |
| MW-53 | 20 | 69.39 | 0.9 | less-open | 17 | 298 | 285 | 195 | NSR | NSR | NSR | NSR | 0.0 | 3.0E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-53 | 21 | 70.71 | -0.4 | less-open | 43 | 82 | 69 | 339 | NSR | NSR | NSR | NSR | 0.0 | 3.0E-01 | 1.3 | -- | -- | -- | -- | -- | -- |
| MW-53 | 22 | 72.16 | -1.9 | less-open | 46 | 225 | 212 | 122 | NSR | NSR | NSR | NSR | 0.0 | 3.0E-01 | 1.5 | -- | -- | -- | -- | -- | -- |
| MW-53 | 23 | 72.43 | -2.2 | less-open | 47 | 72 | 59 | 329 | NSR | NSR | NSR | NSR | 0.0 | 3.0E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-53 | 24 | 72.64 | -2.4 | less-open | 44 | 61 | 48 | 318 | NSR | NSR | NSR | NSR | 0.0 | 3.0E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-53 | 25 | 72.87 | -2.6 | less-open | 37 | 81 | 68 | 338 | NSR | NSR | NSR | NSR | 0.0 | 3.0E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-53 | 26 | 72.97 | -2.7 | less-open | 66 | 304 | 291 | 201 | 2 | NW | 291-335 | 44 | 0.0 | 3.0E-01 | 0.1 | -- | 73.0 | -- | -- | -- | -- |
| MW-53 | 27 | 73.11 | -2.8 | less-open | 46 | 82 | 69 | 339 | NSR | NSR | NSR | NSR | 0.0 | 3.0E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-53 | 28 | 73.29 | -3.0 | less-open | 10 | 267 | 254 | 164 | NSR | NSR | NSR | NSR | 0.0 | 3.0E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-53 | 29 | 73.32 | -3.1 | less-open | 38 | 113 | 100 | 10 | 3 | E | 70-115 | 45 | 0.0 | 3.0E-01 | 0.0 | -- | -- | 4.4 | -- | -- | -- |
| MW-53 | 30 | 73.64 | -3.4 | less-open | 33 | 331 | 318 | 228 | NSR | NSR | NSR | NSR | 0.0 | 3.0E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-53 | 31 | 73.84 | -3.6 | less-open | 64 | 83 | 70 | 340 | 3 | E | 70-115 | 45 | 0.0 | 3.0E-01 | 0.2 | -- | -- | 0.5 | -- | -- | -- |
| MW-53 | 32 | 73.94 | -3.7 | less-open | 65 | 89 | 76 | 346 | 3 | E | 70-115 | 45 | 0.0 | 3.0E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-53 | 33 | 74.26 | -4.0 | less-open | 53 | 93 | 80 | 350 | 3 | E | 70-115 | 45 | 0.0 | 3.0E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-53 | 34 | 74.36 | -4.1 | less-open | 54 | 97 | 84 | 354 | 3 | E | 70-115 | 45 | 0.0 | 3.0E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-53 | 35 | 74.47 | -4.2 | less-open | 56 | 85 | 72 | 342 | 3 | E | 70-115 | 45 | 0.0 | 3.0E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-53 | 36 | 74.69 | -4.4 | less-open | 51 | 73 | 60 | 330 | NSR | NSR | NSR | NSR | 0.0 | 3.0E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-53 | 37 | 75.09 | -4.8 | less-open | 57 | 94 | 81 | 351 | 3 | E | 70-115 | 45 | 0.0 | 3.0E-01 | 0.4 | -- | -- | 0.6 | -- | -- | -- |
| MW-53 | 38 | 75.44 | -5.2 | less-open | 58 | 95 | 82 | 352 | 3 | E | 70-115 | 45 | 0.0 | 3.0E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-53 | 39 | 75.55 | -5.3 | less-open | 53 | 87 | 74 | 344 | 3 | E | 70-115 | 45 | 0.0 | 3.0E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-53 | 40 | 75.73 | -5.5 | less-open | 58 | 128 | 115 | 25 | 3 | E | 70-115 | 45 | 0.0 | 3.0E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-53 | 41 | 76.2 | -5.9 | less-open | 60 | 91 | 78 | 348 | 3 | E | 70-115 | 45 | 0.0 | 3.0E-01 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-53 | 42 | 76.35 | -6.1 | less-open | 35 | 84 | 71 | 341 | 3 | E | 70-115 | 45 | 0.0 | 3.0E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-53 | 43 | 76.39 | -6.1 | less-open | 44 | 81 | 68 | 338 | NSR | NSR | NSR | NSR | 0.0 | 3.0E-01 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-53 | 44 | 76.8 | -6.5 | less-open | 43 | 79 | 66 | 336 | NSR | NSR | NSR | NSR | 0.0 | 3.0E-01 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-53 | 45 | 77.26 | -7.0 | less-open | 50 | 97 | 84 | 354 | 3 | E | 70-115 | 45 | 0.0 | 3.0E-01 | 0.5 | -- | -- | 0.9 | -- | -- | -- |
| MW-53 | 46 | 77.98 | -7.7 | less-open | 63 | 97 | 84 | 354 | 3 | E | 70-115 | 45 | 0.0 | 3.0E-01 | 0.7 | -- | -- | 0.7 | -- | -- | -- |
| MW-53 | 47 | 78.86 | -8.6 | less-open | 58 | 91 | 78 | 348 | 3 | E | 70-115 | 45 | 0.0 | 3.0E-01 | 0.9 | -- | -- | 0.9 | -- | -- | -- |
| MW-53 | 48 | 79.55 | -9.3 | less-open | 48 | 81 | 68 | 338 | NSR | NSR | NSR | NSR | 0.0 | 3.0E-01 | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-53 | 49 | 79.68 | -9.4 | less-open | 27 | 249 | 236 | 146 | NSR | NSR | NSR | NSR | 0.0 | 3.0E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-53 | 50 | 79.73 | -9.5 | less-open | 40 | 67 | 54 | 324 | NSR | NSR | NSR | NSR | 0.0 | 3.0E-01 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-53 | 51 | 83.82 | -13.6 | less-open | 39 | 283 | 270 | 180 | 4 | W | 245-290 | 45 | 0.0 | 3.0E-01 | 4.1 | -- | -- | -- | 83.8 | -- | -- |
| MW-53 | 52 | 83.96 | -13.7 | less-open | 20 | 228 | 215 | 125 | NSR | NSR | NSR | NSR | 0.0 | 3.0E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-53 | 53 | 85.22 | -15.0 | less-open | 83 | 176 | 163 | 73 | NSR | NSR | NSR | NSR | TNP | TNP | 1.3 | -- | -- | -- | -- | -- | -- |
| MW-53 | 54 | 85.75 | -15.5 | less-open | 83 | 182 | 169 | 79 | NSR | NSR | NSR | NSR | TNP | TNP | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-53 | 55 | 87.78 | -17.5 | less-open | 49 | 174 | 161 | 71 | 1 | SE | 116-165 | 49 | TNP | TNP | 2.0 | 87.8 | -- | -- | -- | -- | -- |
| MW-53 | 56 | 87.98 | -17.7 | less-open | 18 | 177 | 164 | 74 | NSR | NSR | NSR | NSR | TNP | TNP | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-53 | 57 | 90.57 | -20.3 | less-open | 43 | 278 | 265 | 175 | 4 | W | 245-290 | 45 | TNP | TNP | 2.6 | -- | -- | -- | 6.8 | -- | -- |
| MW-53 | 58 | 90.66 | -20.4 | less-open | 34 | 71 | 58 | 328 | NSR | NSR | NSR | NSR | TNP | TNP | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-53 | 59 | 91.5 | -21.2 | less-open | 77 | 283 | 270 | 180 | 4 | W | 245-290 | 45 | TNP | TNP | 0.8 | -- | -- | -- | 0.9 | -- | -- |
| MW-53 | 60 | 91.51 | -21.3 | less-open | 49 | 124 | 111 | 21 | 3 | E | 70-115 | 45 | TNP | TNP | 0.0 | -- | -- | 12.7 | -- | -- | -- |
| MW-53 | 61 | 92.29 | -22.0 | less-open | 39 | 292 | 279 | 189 | 4 | W | 245-290 | 45 | TNP | TNP | 0.8 | -- | -- | -- | 0.8 | -- | -- |
| MW-53 | 62 | 92.76 | -22.5 | less-open | 23 | 223 | 210 | 120 | NSR | NSR | NSR | NSR | TNP | TNP | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-53 | 63 | 93.8 | -23.5 | less-open | 27 | 301 | 288 | 198 | NSR | NSR | NSR | NSR | TNP | TNP | 1.0 | -- | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-53 | 64 | 94.12 | -23.9 | less-open | 33 | 231 | 218 | 128 | NSR | NSR | NSR | NSR | TNP | TNP | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-53 | 65 | 94.51 | -24.3 | less-open | 54 | 297 | 284 | 194 | 4 | W | 245-290 | 45 | TNP | TNP | 0.4 | -- | -- | -- | 2.2 | -- | -- |
| MW-53 | 66 | 95 | -24.7 | less-open | 64 | 166 | 153 | 63 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.5 | 7.2 | -- | -- | -- | -- | -- |
| MW-53 | 67 | 95.28 | -25.0 | less-open | 66 | 149 | 136 | 46 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-53 | 68 | 95.92 | -25.7 | less-open | 50 | 98 | 85 | 355 | 3 | E | 70-115 | 45 | TNP | TNP | 0.6 | -- | -- | 4.4 | -- | -- | -- |
| MW-53 | 69 | 96.21 | -26.0 | less-open | 34 | 214 | 201 | 111 | NSR | NSR | NSR | NSR | TNP | TNP | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-53 | 70 | 96.82 | -26.6 | less-open | 78 | 97 | 84 | 354 | 3 | E | 70-115 | 45 | TNP | TNP | 0.6 | -- | -- | 0.9 | -- | -- | -- |
| MW-53 | 71 | 98.29 | -28.0 | less-open | 75 | 73 | 60 | 330 | NSR | NSR | NSR | NSR | TNP | TNP | 1.5 | -- | -- | -- | -- | -- | -- |
| MW-53 | 72 | 100.16 | -29.9 | less-open | 44 | 87 | 74 | 344 | 3 | E | 70-115 | 45 | 0.0 | 1.5E-01 | 1.9 | -- | -- | 3.3 | -- | -- | -- |
| MW-53 | 73 | 100.81 | -30.6 | less-open | 47 | 318 | 305 | 215 | 2 | NW | 291-335 | 44 | 0.0 | 1.5E-01 | 0.7 | -- | 27.8 | -- | -- | -- | -- |
| MW-53 | 74 | 101.34 | -31.1 | less-open | 40 | 307 | 294 | 204 | 2 | NW | 291-335 | 44 | 0.0 | 1.5E-01 | 0.5 | -- | 0.5 | -- | -- | -- | -- |
| MW-53 | 75 | 101.65 | -31.4 | less-open | 57 | 286 | 273 | 183 | 4 | W | 245-290 | 45 | 0.0 | 1.5E-01 | 0.3 | -- | -- | -- | 7.1 | -- | -- |
| MW-53 | 76 | 103.35 | -33.1 | less-open | 68 | 78 | 65 | 335 | NSR | NSR | NSR | NSR | 0.0 | 1.5E-01 | 1.7 | -- | -- | -- | -- | -- | -- |
| MW-53 | 77 | 103.37 | -33.1 | less-open | 43 | 319 | 306 | 216 | 2 | NW | 291-335 | 44 | 0.0 | 1.5E-01 | 0.0 | -- | 2.0 | -- | -- | -- | -- |
| MW-53 | 78 | 103.62 | -33.4 | less-open | 42 | 241 | 228 | 138 | NSR | NSR | NSR | NSR | 0.0 | 1.5E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-53 | 79 | 103.96 | -33.7 | less-open | 70 | 76 | 63 | 333 | NSR | NSR | NSR | NSR | 0.0 | 1.5E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-53 | 80 | 104.57 | -34.3 | less-open | 68 | 73 | 60 | 330 | NSR | NSR | NSR | NSR | 0.0 | 1.5E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-53 | 81 | 104.65 | -34.4 | less-open | 39 | 273 | 260 | 170 | 4 | W | 245-290 | 45 | 0.0 | 1.5E-01 | 0.1 | -- | -- | -- | 3.0 | -- | -- |
| MW-53 | 82 | 104.85 | -34.6 | less-open | 48 | 273 | 260 | 170 | 4 | W | 245-290 | 45 | 0.0 | 1.5E-01 | 0.2 | -- | -- | -- | 0.2 | -- | -- |
| MW-53 | 83 | 105.48 | -35.2 | less-open | 25 | 303 | 290 | 200 | NSR | NSR | NSR | NSR | 0.0 | 1.5E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-53 | 84 | 105.75 | -35.5 | less-open | 23 | 281 | 268 | 178 | NSR | NSR | NSR | NSR | 0.0 | 1.5E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-53 | 85 | 106.77 | -36.5 | less-open | 25 | 300 | 287 | 197 | NSR | NSR | NSR | NSR | 0.0 | 1.5E-01 | 1.0 | -- | -- | -- | -- | -- | -- |
| MW-53 | 86 | 106.85 | -36.6 | less-open | 27 | 270 | 257 | 167 | NSR | NSR | NSR | NSR | 0.0 | 1.5E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-53 | 87 | 108.23 | -38.0 | less-open | 63 | 176 | 163 | 73 | 1 | SE | 116-165 | 49 | 0.0 | 1.5E-01 | 1.4 | 13.0 | -- | -- | -- | -- | -- |
| MW-53 | 88 | 109.11 | -38.9 | less-open | 47 | 170 | 157 | 67 | 1 | SE | 116-165 | 49 | 0.0 | 1.5E-01 | 0.9 | 0.9 | -- | -- | -- | -- | -- |
| MW-53 | 89 | 109.67 | -39.4 | less-open | 32 | 0 | 347 | 257 | NSR | NSR | NSR | NSR | 0.0 | 1.5E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-53 | 90 | 110.19 | -39.9 | less-open | 33 | 310 | 297 | 207 | NSR | NSR | NSR | NSR | 0.0 | 1.5E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-53 | 91 | 110.61 | -40.4 | less-open | 42 | 303 | 290 | 200 | 4 | W | 245-290 | 45 | 0.0 | 1.5E-01 | 0.4 | -- | -- | -- | 5.8 | -- | -- |
| MW-53 | 92 | 110.8 | -40.5 | less-open | 39 | 313 | 300 | 210 | 2 | NW | 291-335 | 44 | 0.0 | 1.5E-01 | 0.2 | -- | 7.4 | -- | -- | -- | -- |
| MW-53 | 93 | 111.13 | -40.9 | less-open | 36 | 301 | 288 | 198 | 4 | W | 245-290 | 45 | 0.0 | 1.5E-01 | 0.3 | -- | -- | -- | 0.5 | -- | -- |
| MW-53 | 94 | 111.56 | -41.3 | less-open | 30 | 281 | 268 | 178 | NSR | NSR | NSR | NSR | 0.0 | 1.5E-01 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-53 | 95 | 113.18 | -42.9 | less-open | 36 | 282 | 269 | 179 | 4 | W | 245-290 | 45 | 0.0 | 1.5E-01 | 1.6 | -- | -- | -- | 2.1 | -- | -- |
| MW-53 | 96 | 113.37 | -43.1 | less-open | 30 | 267 | 254 | 164 | NSR | NSR | NSR | NSR | 0.0 | 1.5E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-53 | 97 | 114.51 | -44.3 | less-open | 17 | 294 | 281 | 191 | NSR | NSR | NSR | NSR | 0.0 | 1.5E-01 | 1.1 | -- | -- | -- | -- | -- | -- |
| MW-53 | 98 | 114.95 | -44.7 | less-open | 39 | 322 | 309 | 219 | 2 | NW | 291-335 | 44 | 0.0 | 1.5E-01 | 0.4 | -- | 4.2 | -- | -- | -- | -- |
| MW-53 | 99 | 116.43 | -46.2 | less-open | 46 | 307 | 294 | 204 | 2 | NW | 291-335 | 44 | 0.0 | 1.5E-01 | 1.5 | -- | 1.5 | -- | -- | -- | -- |
| MW-53 | 100 | 116.66 | -46.4 | less-open | 42 | 318 | 305 | 215 | 2 | NW | 291-335 | 44 | 0.0 | 1.5E-01 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-53 | 101 | 117.27 | -47.0 | less-open | 39 | 312 | 299 | 209 | 2 | NW | 291-335 | 44 | 0.0 | 1.5E-01 | 0.6 | -- | 0.6 | -- | -- | -- | -- |
| MW-53 | 102 | 117.44 | -47.2 | less-open | 34 | 282 | 269 | 179 | NSR | NSR | NSR | NSR | 0.0 | 1.5E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-53 | 103 | 117.78 | -47.5 | less-open | 28 | 258 | 245 | 155 | NSR | NSR | NSR | NSR | 0.0 | 1.5E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-53 | 104 | 118.4 | -48.1 | less-open | 19 | 307 | 294 | 204 | NSR | NSR | NSR | NSR | 0.0 | 1.5E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-53 | 105 | 119.38 | -49.1 | less-open | 36 | 310 | 297 | 207 | 2 | NW | 291-335 | 44 | 0.0 | 1.5E-01 | 1.0 | -- | 2.1 | -- | -- | -- | -- |
| MW-53 | 106 | 119.61 | -49.4 | less-open | 90 | 61 | 48 | 318 | NSR | NSR | NSR | NSR | 0.0 | 1.5E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-53 | 107 | 124.11 | -53.9 | less-open | 9 | 161 | 148 | 58 | NSR | NSR | NSR | NSR | TNP | TNP | 4.5 | -- | -- | -- | -- | -- | -- |
| MW-54 | 1 | 20.71 | -5.7 | less-open | 68 | 48 | 35 | 305 | NSR | NSR | NSR | NSR | 7.8E-05 | 2.2E-01 | NA | -- | -- | -- | -- | -- | -- |
| MW-54 | 2 | 21.20 | -6.2 | less-open | 58 | 70 | 57 | 327 | NSR | NSR | NSR | NSR | 7.8E-05 | 2.2E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-54 | 3 | 21.41 | -6.4 | less-open | 53 | 55 | 42 | 312 | NSR | NSR | NSR | NSR | 7.8E-05 | 2.2E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-54 | 4 | 21.52 | -6.5 | less-open | 52 | 58 | 45 | 315 | NSR | NSR | NSR | NSR | 7.8E-05 | 2.2E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-54 | 5 | 22.36 | -7.4 | less-open | 52 | 74 | 61 | 331 | NSR | NSR | NSR | NSR | 7.8E-05 | 2.2E-01 | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-54 | 6 | 22.60 | -7.6 | less-open | 65 | 55 | 42 | 312 | NSR | NSR | NSR | NSR | 7.8E-05 | 2.2E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-54 | 7 | 22.79 | -7.8 | less-open | 45 | 74 | 61 | 331 | NSR | NSR | NSR | NSR | 7.8E-05 | 2.2E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-54 | 8 | 23.14 | -8.2 | less-open | 61 | 85 | 72 | 342 | 3 | E | 70-115 | 45 | 7.8E-05 | 2.2E-01 | 0.4 | -- | -- | 23.1 | -- | -- | -- |
| MW-54 | 9 | 23.32 | -8.3 | less-open | 40 | 246 | 233 | 143 | NSR | NSR | NSR | NSR | 7.8E-05 | 2.2E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-54 | 10 | 23.37 | -8.4 | less-open | 27 | 232 | 219 | 129 | NSR | NSR | NSR | NSR | 7.8E-05 | 2.2E-01 | 0.1 | -- | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-54 | 11 | 23.41 | -8.4 | less-open | 20 | 235 | 222 | 132 | NSR | NSR | NSR | NSR | 7.8E-05 | 2.2E-01 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-54 | 12 | 23.66 | -8.7 | less-open | 70 | 66 | 53 | 323 | NSR | NSR | NSR | NSR | 7.8E-05 | 2.2E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-54 | 13 | 25.25 | -10.3 | less-open | 31 | 224 | 211 | 121 | NSR | NSR | NSR | NSR | 1.7E-04 | 4.7E-01 | 1.6 | -- | -- | -- | -- | -- | -- |
| MW-54 | 14 | 25.82 | -10.8 | less-open | 6 | 252 | 239 | 149 | NSR | NSR | NSR | NSR | 1.7E-04 | 4.7E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-54 | 15 | 26.11 | -11.1 | less-open | 5 | 305 | 292 | 202 | NSR | NSR | NSR | NSR | 1.7E-04 | 4.7E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-54 | 16 | 26.45 | -11.5 | less-open | 8 | 256 | 243 | 153 | NSR | NSR | NSR | NSR | 1.7E-04 | 4.7E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-54 | 17 | 27.60 | -12.6 | less-open | 75 | 60 | 47 | 317 | NSR | NSR | NSR | NSR | 1.7E-04 | 4.7E-01 | 1.2 | -- | -- | -- | -- | -- | -- |
| MW-54 | 18 | 28.65 | -13.7 | less-open | 43 | 63 | 50 | 320 | NSR | NSR | NSR | NSR | 1.7E-04 | 4.7E-01 | 1.1 | -- | -- | -- | -- | -- | -- |
| MW-54 | 19 | 31.48 | -16.5 | less-open | 65 | 142 | 129 | 39 | 1 | SE | 116-165 | 49 | 1.7E-04 | 4.7E-01 | 2.8 | 31.5 | -- | -- | -- | -- | -- |
| MW-54 | 20 | 31.80 | -16.8 | less-open | 55 | 303 | 290 | 200 | 4 | W | 245-290 | 45 | 1.7E-04 | 4.7E-01 | 0.3 | -- | -- | -- | 31.8 | -- | -- |
| MW-54 | 21 | 32.45 | -17.5 | less-open | 19 | 305 | 292 | 202 | NSR | NSR | NSR | NSR | 1.7E-04 | 4.7E-01 | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-54 | 22 | 32.53 | -17.5 | less-open | 18 | 269 | 256 | 166 | NSR | NSR | NSR | NSR | 1.7E-04 | 4.7E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-54 | 23 | 32.65 | -17.7 | less-open | 68 | 111 | 98 | 8 | 3 | E | 70-115 | 45 | 1.7E-04 | 4.7E-01 | 0.1 | -- | -- | 9.5 | -- | -- | -- |
| MW-54 | 24 | 32.97 | -18.0 | less-open | 64 | 101 | 88 | 358 | 3 | E | 70-115 | 45 | 1.7E-04 | 4.7E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-54 | 25 | 33.16 | -18.2 | less-open | 68 | 99 | 86 | 356 | 3 | E | 70-115 | 45 | 1.7E-04 | 4.7E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-54 | 26 | 33.45 | -18.5 | less-open | 72 | 80 | 67 | 337 | NSR | NSR | NSR | NSR | 1.7E-04 | 4.7E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-54 | 27 | 33.59 | -18.6 | less-open | 72 | 85 | 72 | 342 | 3 | E | 70-115 | 45 | 1.7E-04 | 4.7E-01 | 0.1 | -- | -- | 0.4 | -- | -- | -- |
| MW-54 | 28 | 33.79 | -18.8 | less-open | 72 | 85 | 72 | 342 | 3 | E | 70-115 | 45 | 1.7E-04 | 4.7E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-54 | 29 | 33.98 | -19.0 | less-open | 72 | 85 | 72 | 342 | 3 | E | 70-115 | 45 | 1.7E-04 | 4.7E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-54 | 30 | 34.40 | -19.4 | less-open | 67 | 87 | 74 | 344 | 3 | E | 70-115 | 45 | 1.7E-04 | 4.7E-01 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-54 | 31 | 34.51 | -19.5 | less-open | 66 | 104 | 91 | 1 | 3 | E | 70-115 | 45 | 1.7E-04 | 4.7E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-54 | 32 | 34.82 | -19.8 | less-open | 35 | 79 | 66 | 336 | NSR | NSR | NSR | NSR | 1.7E-04 | 4.7E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-54 | 33 | 35.39 | -20.4 | less-open | 71 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | 2.4E-04 | 6.9E-01 | 0.6 | -- | -- | 0.9 | -- | -- | -- |
| MW-54 | 34 | 35.54 | -20.6 | less-open | 60 | 98 | 85 | 355 | 3 | E | 70-115 | 45 | 2.4E-04 | 6.9E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-54 | 35 | 35.55 | -20.6 | less-open | 71 | 127 | 114 | 24 | 3 | E | 70-115 | 45 | 2.4E-04 | 6.9E-01 | 0.0 | -- | -- | 0.0 | -- | -- | -- |
| MW-54 | 36 | 36.28 | -21.3 | less-open | 71 | 89 | 76 | 346 | 3 | E | 70-115 | 45 | 2.4E-04 | 6.9E-01 | 0.7 | -- | -- | 0.7 | -- | -- | -- |
| MW-54 | 37 | 37.22 | -22.2 | less-open | 80 | 90 | 77 | 347 | 3 | E | 70-115 | 45 | 2.4E-04 | 6.9E-01 | 0.9 | -- | -- | 0.9 | -- | -- | -- |
| MW-54 | 38 | 37.66 | -22.7 | open | 75 | 94 | 81 | 351 | 3 | E | 70-115 | 45 | 2.4E-04 | 6.9E-01 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-54 | 39 | 38.47 | -23.5 | less-open | 46 | 300 | 287 | 197 | 4 | W | 245-290 | 45 | 2.4E-04 | 6.9E-01 | 0.8 | -- | -- | -- | 6.7 | -- | -- |
| MW-54 | 40 | 38.76 | -23.8 | less-open | 38 | 278 | 265 | 175 | 4 | W | 245-290 | 45 | 2.4E-04 | 6.9E-01 | 0.3 | -- | -- | -- | 0.3 | -- | -- |
| MW-54 | 41 | 39.40 | -24.4 | less-open | 67 | 65 | 52 | 322 | NSR | NSR | NSR | NSR | 2.4E-04 | 6.9E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-54 | 42 | 39.43 | -24.4 | less-open | 29 | 230 | 217 | 127 | NSR | NSR | NSR | NSR | 2.4E-04 | 6.9E-01 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-54 | 43 | 39.82 | -24.8 | less-open | 67 | 100 | 87 | 357 | 3 | E | 70-115 | 45 | 2.4E-04 | 6.9E-01 | 0.4 | -- | -- | 2.2 | -- | -- | -- |
| MW-54 | 44 | 41.26 | -26.3 | less-open | 42 | 248 | 235 | 145 | NSR | NSR | NSR | NSR | 2.4E-04 | 6.9E-01 | 1.4 | -- | -- | -- | -- | -- | -- |
| MW-54 | 45 | 43.44 | -28.5 | less-open | 69 | 357 | 344 | 254 | 6 | N | 336-21 | 45 | 2.4E-04 | 6.9E-01 | 2.2 | -- | -- | -- | -- | -- | 43.4 |
| MW-54 | 46 | 43.64 | -28.7 | less-open | 72 | 97 | 84 | 354 | 3 | E | 70-115 | 45 | 2.4E-04 | 6.9E-01 | 0.2 | -- | -- | 3.8 | -- | -- | -- |
| MW-54 | 47 | 43.64 | -28.7 | less-open | 61 | 75 | 62 | 332 | NSR | NSR | NSR | NSR | 2.4E-04 | 6.9E-01 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-54 | 48 | 44.43 | -29.4 | less-open | 21 | 113 | 100 | 10 | NSR | NSR | NSR | NSR | 2.4E-04 | 6.9E-01 | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-54 | 49 | 45.99 | -31.0 | less-open | 68 | 286 | 273 | 183 | 4 | W | 245-290 | 45 | 2.4E-04 | 6.9E-01 | 1.6 | -- | -- | -- | 7.2 | -- | -- |
| MW-54 | 50 | 47.02 | -32.0 | less-open | 77 | 312 | 299 | 209 | 2 | NW | 291-335 | 44 | 2.4E-04 | 6.9E-01 | 1.0 | -- | 47.0 | -- | -- | -- | -- |
| MW-54 | 51 | 48.78 | -33.8 | less-open | 77 | 91 | 78 | 348 | 3 | E | 70-115 | 45 | 2.4E-04 | 6.9E-01 | 1.8 | -- | -- | 5.1 | -- | -- | -- |
| MW-54 | 52 | 49.92 | -34.9 | less-open | 75 | 93 | 80 | 350 | 3 | E | 70-115 | 45 | 2.4E-04 | 6.9E-01 | 1.1 | -- | -- | 1.1 | -- | -- | -- |
| MW-54 | 53 | 50.11 | -35.1 | less-open | 66 | 96 | 83 | 353 | 3 | E | 70-115 | 45 | 2.4E-04 | 6.9E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-54 | 54 | 50.18 | -35.2 | less-open | 40 | 137 | 124 | 34 | 1 | SE | 116-165 | 49 | 2.4E-04 | 6.9E-01 | 0.1 | 18.7 | -- | -- | -- | -- | -- |
| MW-54 | 55 | 50.30 | -35.3 | less-open | 71 | 97 | 84 | 354 | 3 | E | 70-115 | 45 | 2.4E-04 | 6.9E-01 | 0.1 | -- | -- | 0.2 | -- | -- | -- |
| MW-54 | 56 | 50.74 | -35.8 | less-open | 67 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | 2.4E-04 | 6.9E-01 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-54 | 57 | 51.21 | -36.2 | less-open | 67 | 92 | 79 | 349 | 3 | E | 70-115 | 45 | 2.4E-04 | 6.9E-01 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-54 | 58 | 52.70 | -37.7 | less-open | 34 | 213 | 200 | 110 | 5 | S | 166-200 | 34 | 2.4E-04 | 6.9E-01 | 1.5 | -- | -- | -- | -- | 52.7 | -- |
| MW-54 | 59 | 53.21 | -38.2 | less-open | 59 | 98 | 85 | 355 | 3 | E | 70-115 | 45 | 2.4E-04 | 6.9E-01 | 0.5 | -- | -- | 2.0 | -- | -- | -- |
| MW-54 | 60 | 53.26 | -38.3 | less-open | 18 | 127 | 114 | 24 | NSR | NSR | NSR | NSR | 2.4E-04 | 6.9E-01 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-54 | 61 | 54.21 | -39.2 | less-open | 11 | 173 | 160 | 70 | NSR | NSR | NSR | NSR | 1.4E-04 | 4.0E-01 | 1.0 | -- | -- | -- | -- | -- | -- |
| MW-54 | 62 | 54.29 | -39.3 | less-open | 5 | 255 | 242 | 152 | NSR | NSR | NSR | NSR | 1.4E-04 | 4.0E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-54 | 63 | 55.13 | -40.1 | less-open | 66 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 0.8 | -- | -- | 1.9 | -- | -- | -- |
| MW-54 | 64 | 55.52 | -40.5 | less-open | 61 | 118 | 105 | 15 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 0.4 | -- | -- | 0.4 | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-54 | 65 | 55.82 | -40.8 | less-open | 57 | 110 | 97 | 7 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-54 | 66 | 56.38 | -41.4 | less-open | 55 | 100 | 87 | 357 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-54 | 67 | 56.70 | -41.7 | less-open | 65 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-54 | 68 | 57.66 | -42.7 | less-open | 76 | 76 | 63 | 333 | NSR | NSR | NSR | NSR | 1.4E-04 | 4.0E-01 | 1.0 | -- | -- | -- | -- | -- | -- |
| MW-54 | 69 | 58.87 | -43.9 | less-open | 33 | 345 | 332 | 242 | NSR | NSR | NSR | NSR | 1.4E-04 | 4.0E-01 | 1.2 | -- | -- | -- | -- | -- | -- |
| MW-54 | 70 | 59.20 | -44.2 | less-open | 60 | 326 | 313 | 223 | 2 | NW | 291-335 | 44 | 1.4E-04 | 4.0E-01 | 0.3 | -- | 12.2 | -- | -- | -- | -- |
| MW-54 | 71 | 59.43 | -44.4 | less-open | 39 | 110 | 97 | 7 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 0.2 | -- | -- | 2.7 | -- | -- | -- |
| MW-54 | 72 | 59.56 | -44.6 | less-open | 59 | 334 | 321 | 231 | 2 | NW | 291-335 | 44 | 1.4E-04 | 4.0E-01 | 0.1 | -- | 0.4 | -- | -- | -- | -- |
| MW-54 | 73 | 60.81 | -45.8 | less-open | 51 | 77 | 64 | 334 | NSR | NSR | NSR | NSR | 1.4E-04 | 4.0E-01 | 1.3 | -- | -- | -- | -- | -- | -- |
| MW-54 | 74 | 61.18 | -46.2 | less-open | 63 | 323 | 310 | 220 | 2 | NW | 291-335 | 44 | 1.4E-04 | 4.0E-01 | 0.4 | -- | 1.6 | -- | -- | -- | -- |
| MW-54 | 75 | 61.48 | -46.5 | open | 70 | 289 | 276 | 186 | 4 | W | 245-290 | 45 | 1.4E-04 | 4.0E-01 | 0.3 | -- | -- | -- | 15.5 | -- | -- |
| MW-54 | 76 | 61.77 | -46.8 | less-open | 54 | 293 | 280 | 190 | 4 | W | 245-290 | 45 | 1.4E-04 | 4.0E-01 | 0.3 | -- | -- | -- | 0.3 | -- | -- |
| MW-54 | 77 | 62.54 | -47.6 | less-open | 40 | 343 | 330 | 240 | 2 | NW | 291-335 | 44 | 1.4E-04 | 4.0E-01 | 0.8 | -- | 1.4 | -- | -- | -- | -- |
| MW-54 | 78 | 62.90 | -47.9 | less-open | 37 | 347 | 334 | 244 | 2 | NW | 291-335 | 44 | 1.4E-04 | 4.0E-01 | 0.4 | -- | 0.4 | -- | -- | -- | -- |
| MW-54 | 79 | 64.24 | -49.3 | less-open | 22 | 317 | 304 | 214 | NSR | NSR | NSR | NSR | 1.4E-04 | 4.0E-01 | 1.3 | -- | -- | -- | -- | -- | -- |
| MW-54 | 80 | 64.90 | -49.9 | less-open | 77 | 132 | 119 | 29 | 1 | SE | 116-165 | 49 | 9.8E-05 | 2.8E-01 | 0.7 | 14.7 | -- | -- | -- | -- | -- |
| MW-54 | 81 | 65.14 | -50.2 | less-open | 75 | 129 | 116 | 26 | 1 | SE | 116-165 | 49 | 9.8E-05 | 2.8E-01 | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-54 | 82 | 66.50 | -51.5 | less-open | 67 | 315 | 302 | 212 | 2 | NW | 291-335 | 44 | 9.8E-05 | 2.8E-01 | 1.4 | -- | 3.6 | -- | -- | -- | -- |
| MW-54 | 83 | 67.36 | -52.4 | less-open | 51 | 1 | 348 | 258 | 6 | N | 336-21 | 45 | 9.8E-05 | 2.8E-01 | 0.9 | -- | -- | -- | -- | -- | 23.9 |
| MW-54 | 84 | 68.03 | -53.0 | less-open | 60 | 353 | 340 | 250 | 6 | N | 336-21 | 45 | 9.8E-05 | 2.8E-01 | 0.7 | -- | -- | -- | -- | -- | 0.7 |
| MW-54 | 85 | 68.45 | -53.5 | less-open | 57 | 347 | 334 | 244 | 2 | NW | 291-335 | 44 | 9.8E-05 | 2.8E-01 | 0.4 | -- | 2.0 | -- | -- | -- | -- |
| MW-54 | 86 | 68.52 | -53.5 | less-open | 71 | 358 | 345 | 255 | 6 | N | 336-21 | 45 | 9.8E-05 | 2.8E-01 | 0.1 | -- | -- | -- | -- | -- | 0.5 |
| MW-54 | 87 | 68.92 | -53.9 | less-open | 74 | 341 | 328 | 238 | 2 | NW | 291-335 | 44 | 9.8E-05 | 2.8E-01 | 0.4 | -- | 0.5 | -- | -- | -- | -- |
| MW-54 | 88 | 69.29 | -54.3 | less-open | 64 | 344 | 331 | 241 | 2 | NW | 291-335 | 44 | 9.8E-05 | 2.8E-01 | 0.4 | -- | 0.4 | -- | -- | -- | -- |
| MW-54 | 89 | 69.38 | -54.4 | less-open | 54 | 105 | 92 | 2 | 3 | E | 70-115 | 45 | 9.8E-05 | 2.8E-01 | 0.1 | -- | -- | 10.0 | -- | -- | -- |
| MW-54 | 90 | 70.25 | -55.3 | less-open | 60 | 98 | 85 | 355 | 3 | E | 70-115 | 45 | 9.8E-05 | 2.8E-01 | 0.9 | -- | -- | 0.9 | -- | -- | -- |
| MW-54 | 91 | 70.72 | -55.7 | less-open | 63 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | 9.8E-05 | 2.8E-01 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-54 | 92 | 70.86 | -55.9 | less-open | 52 | 342 | 329 | 239 | 2 | NW | 291-335 | 44 | 9.8E-05 | 2.8E-01 | 0.1 | -- | 1.6 | -- | -- | -- | -- |
| MW-54 | 93 | 71.09 | -56.1 | less-open | 44 | 308 | 295 | 205 | 2 | NW | 291-335 | 44 | 9.8E-05 | 2.8E-01 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-54 | 94 | 71.27 | -56.3 | less-open | 55 | 324 | 311 | 221 | 2 | NW | 291-335 | 44 | 9.8E-05 | 2.8E-01 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-54 | 95 | 72.00 | -57.0 | less-open | 72 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | 9.8E-05 | 2.8E-01 | 0.7 | -- | -- | 1.3 | -- | -- | -- |
| MW-54 | 96 | 72.19 | -57.2 | less-open | 69 | 104 | 91 | 1 | 3 | E | 70-115 | 45 | 9.8E-05 | 2.8E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-54 | 97 | 72.71 | -57.7 | less-open | 67 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 9.8E-05 | 2.8E-01 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-54 | 98 | 73.48 | -58.5 | less-open | 68 | 100 | 87 | 357 | 3 | E | 70-115 | 45 | 9.8E-05 | 2.8E-01 | 0.8 | -- | -- | 0.8 | -- | -- | -- |
| MW-54 | 99 | 74.00 | -59.0 | less-open | 67 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | 9.8E-05 | 2.8E-01 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-54 | 100 | 74.48 | -59.5 | less-open | 74 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | 6.0E-05 | 1.7E-01 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-54 | 101 | 75.56 | -60.6 | less-open | 71 | 279 | 266 | 176 | 4 | W | 245-290 | 45 | 6.0E-05 | 1.7E-01 | 1.1 | -- | -- | -- | 13.8 | -- | -- |
| MW-54 | 102 | 76.13 | -61.1 | less-open | 76 | 321 | 308 | 218 | 2 | NW | 291-335 | 44 | 6.0E-05 | 1.7E-01 | 0.6 | -- | 4.9 | -- | -- | -- | -- |
| MW-54 | 103 | 76.24 | -61.3 | less-open | 65 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | 6.0E-05 | 1.7E-01 | 0.1 | -- | -- | 1.8 | -- | -- | -- |
| MW-54 | 104 | 77.22 | -62.2 | less-open | 43 | 106 | 93 | 3 | 3 | E | 70-115 | 45 | 6.0E-05 | 1.7E-01 | 1.0 | -- | -- | 1.0 | -- | -- | -- |
| MW-54 | 105 | 77.25 | -62.3 | less-open | 66 | 98 | 85 | 355 | 3 | E | 70-115 | 45 | 6.0E-05 | 1.7E-01 | 0.0 | -- | -- | 0.0 | -- | -- | -- |
| MW-54 | 106 | 77.43 | -62.4 | less-open | 60 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | 6.0E-05 | 1.7E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-54 | 107 | 78.78 | -63.8 | less-open | 82 | 108 | 95 | 5 | NSR | NSR | NSR | NSR | 6.0E-05 | 1.7E-01 | 1.3 | -- | -- | -- | -- | -- | -- |
| MW-54 | 108 | 79.9 | -64.9 | less-open | 55 | 208 | 195 | 105 | 5 | S | 166-200 | 34 | 6.0E-05 | 1.7E-01 | 1.1 | -- | -- | -- | -- | 27.2 | -- |
| MW-54 | 109 | 80.4 | -65.4 | less-open | 43 | 201 | 188 | 98 | 5 | S | 166-200 | 34 | 6.0E-05 | 1.7E-01 | 0.5 | -- | -- | -- | -- | 0.5 | -- |
| MW-54 | 110 | 80.97 | -66.0 | less-open | 51 | 197 | 184 | 94 | 5 | S | 166-200 | 34 | 6.0E-05 | 1.7E-01 | 0.6 | -- | -- | -- | -- | 0.6 | -- |
| MW-54 | 111 | 81.31 | -66.3 | less-open | 37 | 152 | 139 | 49 | 1 | SE | 116-165 | 49 | 6.0E-05 | 1.7E-01 | 0.3 | 16.2 | -- | -- | -- | -- | -- |
| MW-54 | 112 | 82.49 | -67.5 | less-open | 39 | 65 | 52 | 322 | NSR | NSR | NSR | NSR | 6.0E-05 | 1.7E-01 | 1.2 | -- | -- | -- | -- | -- | -- |
| MW-54 | 113 | 84.73 | -69.7 | less-open | 55 | 201 | 188 | 98 | 5 | S | 166-200 | 34 | 1.1E-04 | 3.0E-01 | 2.2 | -- | -- | -- | -- | 3.8 | -- |
| MW-54 | 114 | 85.38 | -70.4 | less-open | 68 | 342 | 329 | 239 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.6 | -- | 9.3 | -- | -- | -- | -- |
| MW-54 | 115 | 86.44 | -71.5 | less-open | 76 | 330 | 317 | 227 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 1.1 | -- | 1.1 | -- | -- | -- | -- |
| MW-54 | 116 | 87.15 | -72.2 | less-open | 49 | 355 | 342 | 252 | 6 | N | 336-21 | 45 | 1.1E-04 | 3.0E-01 | 0.7 | -- | -- | -- | -- | -- | 18.6 |
| MW-54 | 117 | 87.27 | -72.3 | less-open | 49 | 343 | 330 | 240 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.1 | -- | 0.8 | -- | -- | -- | -- |
| MW-54 | 118 | 88.01 | -73.0 | less-open | 61 | 326 | 313 | 223 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.7 | -- | 0.7 | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-54 | 119 | 88.18 | -73.2 | less-open | 55 | 323 | 310 | 220 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-54 | 120 | 88.95 | -74.0 | less-open | 72 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.8 | -- | -- | 11.5 | -- | -- | -- |
| MW-54 | 121 | 89.87 | -74.9 | less-open | 67 | 330 | 317 | 227 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.9 | -- | 1.7 | -- | -- | -- | -- |
| MW-54 | 122 | 90.03 | -75.0 | less-open | 61 | 357 | 344 | 254 | 6 | N | 336-21 | 45 | 1.1E-04 | 3.0E-01 | 0.2 | -- | -- | -- | -- | -- | 2.9 |
| MW-54 | 123 | 90.32 | -75.3 | less-open | 68 | 6 | 353 | 263 | 6 | N | 336-21 | 45 | 1.1E-04 | 3.0E-01 | 0.3 | -- | -- | -- | -- | -- | 0.3 |
| MW-54 | 124 | 90.45 | -75.5 | less-open | 22 | 90 | 77 | 347 | NSR | NSR | NSR | NSR | 1.1E-04 | 3.0E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-54 | 125 | 91.5 | -76.5 | less-open | 61 | 330 | 317 | 227 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 1.1 | -- | 1.6 | -- | -- | -- | -- |
| MW-54 | 126 | 91.8 | -76.8 | less-open | 54 | 313 | 300 | 210 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-54 | 127 | 92.37 | -77.4 | less-open | 75 | 148 | 135 | 45 | 1 | SE | 116-165 | 49 | 1.1E-04 | 3.0E-01 | 0.6 | 11.1 | -- | -- | -- | -- | -- |
| MW-54 | 128 | 92.5 | -77.5 | less-open | 57 | 346 | 333 | 243 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.1 | -- | 0.7 | -- | -- | -- | -- |
| MW-54 | 129 | 93.33 | -78.3 | less-open | 66 | 150 | 137 | 47 | 1 | SE | 116-165 | 49 | 1.1E-04 | 3.0E-01 | 0.8 | 1.0 | -- | -- | -- | -- | -- |
| MW-54 | 130 | 93.85 | -78.9 | less-open | 77 | 148 | 135 | 45 | 1 | SE | 116-165 | 49 | 1.1E-04 | 3.0E-01 | 0.5 | 0.5 | -- | -- | -- | -- | -- |
| MW-54 | 131 | 95.47 | -80.5 | less-open | 37 | 267 | 254 | 164 | 4 | W | 245-290 | 45 | 1.1E-04 | 3.0E-01 | 1.6 | -- | -- | -- | 19.9 | -- | -- |
| MW-54 | 132 | 96.07 | -81.1 | less-open | 58 | 120 | 107 | 17 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.6 | -- | -- | 7.1 | -- | -- | -- |
| MW-54 | 133 | 97.15 | -82.2 | less-open | 65 | 307 | 294 | 204 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 1.1 | -- | 4.7 | -- | -- | -- | -- |
| MW-54 | 134 | 97.62 | -82.6 | less-open | 65 | 145 | 132 | 42 | 1 | SE | 116-165 | 49 | 1.1E-04 | 3.0E-01 | 0.5 | 3.8 | -- | -- | -- | -- | -- |
| MW-54 | 135 | 97.65 | -82.7 | less-open | 64 | 297 | 284 | 194 | 4 | W | 245-290 | 45 | 1.1E-04 | 3.0E-01 | 0.0 | -- | -- | -- | 2.2 | -- | -- |
| MW-54 | 136 | 97.78 | -82.8 | less-open | 32 | 127 | 114 | 24 | NSR | NSR | NSR | NSR | 1.1E-04 | 3.0E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-54 | 137 | 98.28 | -83.3 | less-open | 49 | 90 | 77 | 347 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.5 | -- | -- | 2.2 | -- | -- | -- |
| MW-54 | 138 | 98.33 | -83.3 | less-open | 41 | 204 | 191 | 101 | 5 | S | 166-200 | 34 | 1.1E-04 | 3.0E-01 | 0.0 | -- | -- | -- | -- | 13.6 | -- |
| MW-54 | 139 | 98.89 | -83.9 | less-open | 80 | 118 | 105 | 15 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-54 | 140 | 100.31 | -85.3 | less-open | 65 | 90 | 77 | 347 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 1.4 | -- | -- | 1.4 | -- | -- | -- |
| MW-54 | 141 | 101.02 | -86.0 | less-open | 73 | 140 | 127 | 37 | 1 | SE | 116-165 | 49 | 1.6E-04 | 4.5E-01 | 0.7 | 3.4 | -- | -- | -- | -- | -- |
| MW-54 | 142 | 101.48 | -86.5 | less-open | 60 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | 1.6E-04 | 4.5E-01 | 0.5 | 0.5 | -- | -- | -- | -- | -- |
| MW-54 | 143 | 101.99 | -87.0 | less-open | 68 | 341 | 328 | 238 | 2 | NW | 291-335 | 44 | 1.6E-04 | 4.5E-01 | 0.5 | -- | 4.8 | -- | -- | -- | -- |
| MW-54 | 144 | 102.21 | -87.2 | less-open | 58 | 87 | 74 | 344 | 3 | E | 70-115 | 45 | 1.6E-04 | 4.5E-01 | 0.2 | -- | -- | 1.9 | -- | -- | -- |
| MW-54 | 145 | 102.57 | -87.6 | less-open | 54 | 98 | 85 | 355 | 3 | E | 70-115 | 45 | 1.6E-04 | 4.5E-01 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-54 | 146 | 102.96 | -88.0 | less-open | 58 | 88 | 75 | 345 | 3 | E | 70-115 | 45 | 1.6E-04 | 4.5E-01 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-54 | 147 | 103.22 | -88.2 | less-open | 64 | 94 | 81 | 351 | 3 | E | 70-115 | 45 | 1.6E-04 | 4.5E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-54 | 148 | 104.37 | -89.4 | less-open | 66 | 131 | 118 | 28 | 1 | SE | 116-165 | 49 | 1.6E-04 | 4.5E-01 | 1.2 | 2.9 | -- | -- | -- | -- | -- |
| MW-54 | 149 | 105.64 | -90.7 | less-open | 60 | 183 | 170 | 80 | 5 | S | 166-200 | 34 | 1.6E-04 | 4.5E-01 | 1.3 | -- | -- | -- | -- | 7.3 | -- |
| MW-54 | 150 | 105.7 | -90.7 | less-open | 72 | 296 | 283 | 193 | 4 | W | 245-290 | 45 | 1.6E-04 | 4.5E-01 | 0.1 | -- | -- | -- | 8.1 | -- | -- |
| MW-54 | 151 | 106.64 | -91.7 | less-open | 50 | 129 | 116 | 26 | 1 | SE | 116-165 | 49 | 1.6E-04 | 4.5E-01 | 0.9 | 2.3 | -- | -- | -- | -- | -- |
| MW-54 | 152 | 106.65 | -91.7 | less-open | 72 | 301 | 288 | 198 | 4 | W | 245-290 | 45 | 1.6E-04 | 4.5E-01 | 0.0 | -- | -- | -- | 1.0 | -- | -- |
| MW-54 | 153 | 107.08 | -92.1 | less-open | 72 | 302 | 289 | 199 | 4 | W | 245-290 | 45 | 1.6E-04 | 4.5E-01 | 0.4 | -- | -- | -- | 0.4 | -- | -- |
| MW-54 | 154 | 107.56 | -92.6 | less-open | 41 | 285 | 272 | 182 | 4 | W | 245-290 | 45 | 1.6E-04 | 4.5E-01 | 0.5 | -- | -- | -- | 0.5 | -- | -- |
| MW-54 | 155 | 107.82 | -92.8 | less-open | 58 | 285 | 272 | 182 | 4 | W | 245-290 | 45 | 1.6E-04 | 4.5E-01 | 0.3 | -- | -- | -- | 0.3 | -- | -- |
| MW-54 | 156 | 108.11 | -93.1 | less-open | 50 | 138 | 125 | 35 | 1 | SE | 116-165 | 49 | 1.6E-04 | 4.5E-01 | 0.3 | 1.5 | -- | -- | -- | -- | -- |
| MW-54 | 157 | 108.41 | -93.4 | less-open | 56 | 144 | 131 | 41 | 1 | SE | 116-165 | 49 | 1.6E-04 | 4.5E-01 | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-54 | 158 | 108.86 | -93.9 | less-open | 49 | 280 | 267 | 177 | 4 | W | 245-290 | 45 | 1.6E-04 | 4.5E-01 | 0.5 | -- | -- | -- | 1.0 | -- | -- |
| MW-54 | 159 | 109.19 | -94.2 | less-open | 47 | 146 | 133 | 43 | 1 | SE | 116-165 | 49 | 1.6E-04 | 4.5E-01 | 0.3 | 0.8 | -- | -- | -- | -- | -- |
| MW-54 | 160 | 109.71 | -94.7 | less-open | 65 | 292 | 279 | 189 | 4 | W | 245-290 | 45 | 1.6E-04 | 4.5E-01 | 0.5 | -- | -- | -- | 0.8 | -- | -- |
| MW-54 | 161 | 109.73 | -94.7 | less-open | 47 | 118 | 105 | 15 | 3 | E | 70-115 | 45 | 1.6E-04 | 4.5E-01 | 0.0 | -- | -- | 6.5 | -- | -- | -- |
| MW-54 | 162 | 109.97 | -95.0 | less-open | 58 | 129 | 116 | 26 | 1 | SE | 116-165 | 49 | 1.6E-04 | 4.5E-01 | 0.2 | 0.8 | -- | -- | -- | -- | -- |
| MW-54 | 163 | 110.15 | -95.2 | less-open | 63 | 130 | 117 | 27 | 1 | SE | 116-165 | 49 | 1.6E-04 | 4.5E-01 | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-54 | 164 | 110.52 | -95.5 | less-open | 65 | 132 | 119 | 29 | 1 | SE | 116-165 | 49 | 1.6E-04 | 4.5E-01 | 0.4 | 0.4 | -- | -- | -- | -- | -- |
| MW-54 | 165 | 110.85 | -95.9 | less-open | 54 | 148 | 135 | 45 | 1 | SE | 116-165 | 49 | 2.1E-04 | 6.0E-01 | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-54 | 166 | 111.47 | -96.5 | less-open | 68 | 145 | 132 | 42 | 1 | SE | 116-165 | 49 | 2.1E-04 | 6.0E-01 | 0.6 | 0.6 | -- | -- | -- | -- | -- |
| MW-54 | 167 | 111.78 | -96.8 | less-open | 66 | 125 | 112 | 22 | 3 | E | 70-115 | 45 | 2.1E-04 | 6.0E-01 | 0.3 | -- | -- | 2.1 | -- | -- | -- |
| MW-54 | 168 | 112.62 | -97.6 | less-open | 63 | 320 | 307 | 217 | 2 | NW | 291-335 | 44 | 2.1E-04 | 6.0E-01 | 0.8 | -- | 10.6 | -- | -- | -- | -- |
| MW-54 | 169 | 112.89 | -97.9 | less-open | 54 | 328 | 315 | 225 | 2 | NW | 291-335 | 44 | 2.1E-04 | 6.0E-01 | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-54 | 170 | 113.88 | -98.9 | less-open | 68 | 105 | 92 | 2 | 3 | E | 70-115 | 45 | 2.1E-04 | 6.0E-01 | 1.0 | -- | -- | 2.1 | -- | -- | -- |
| MW-54 | 171 | 114.08 | -99.1 | less-open | 62 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | 2.1E-04 | 6.0E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-54 | 172 | 115.33 | -100.3 | less-open | 68 | 154 | 141 | 51 | 1 | SE | 116-165 | 49 | 2.1E-04 | 6.0E-01 | 1.3 | 3.9 | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-54 | 173 | 115.48 | -100.5 | less-open | 68 | 157 | 144 | 54 | 1 | SE | 116-165 | 49 | 2.1E-04 | 6.0E-01 | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-54 | 174 | 116.64 | -101.7 | less-open | 37 | 145 | 132 | 42 | 1 | SE | 116-165 | 49 | 2.1E-04 | 6.0E-01 | 1.2 | 1.2 | -- | -- | -- | -- | -- |
| MW-54 | 175 | 117.38 | -102.4 | less-open | 65 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | 2.1E-04 | 6.0E-01 | 0.7 | -- | -- | 3.3 | -- | -- | -- |
| MW-54 | 176 | 117.96 | -103.0 | less-open | 58 | 100 | 87 | 357 | 3 | E | 70-115 | 45 | 2.1E-04 | 6.0E-01 | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-54 | 177 | 118.31 | -103.3 | less-open | 56 | 94 | 81 | 351 | 3 | E | 70-115 | 45 | 2.1E-04 | 6.0E-01 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-54 | 178 | 118.44 | -103.5 | less-open | 57 | 97 | 84 | 354 | 3 | E | 70-115 | 45 | 2.1E-04 | 6.0E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-54 | 179 | 118.71 | -103.7 | less-open | 55 | 110 | 97 | 7 | 3 | E | 70-115 | 45 | 2.1E-04 | 6.0E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-54 | 180 | 119.21 | -104.2 | less-open | 67 | 128 | 115 | 25 | 3 | E | 70-115 | 45 | 2.1E-04 | 6.0E-01 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-54 | 181 | 119.85 | -104.9 | less-open | 61 | 126 | 113 | 23 | 3 | E | 70-115 | 45 | 2.1E-04 | 6.0E-01 | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-54 | 182 | 120.39 | -105.4 | less-open | 54 | 132 | 119 | 29 | 1 | SE | 116-165 | 49 | 2.1E-04 | 6.0E-01 | 0.5 | 3.8 | -- | -- | -- | -- | -- |
| MW-54 | 183 | 120.72 | -105.7 | less-open | 64 | 127 | 114 | 24 | 3 | E | 70-115 | 45 | 8.7E-04 | 2.5E+00 | 0.3 | -- | -- | 0.9 | -- | -- | -- |
| MW-54 | 184 | 120.78 | -105.8 | less-open | 44 | 193 | 180 | 90 | 5 | S | 166-200 | 34 | 8.7E-04 | 2.5E+00 | 0.1 | -- | -- | -- | -- | 15.1 | -- |
| MW-54 | 185 | 121.03 | -106.0 | less-open | 62 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | 8.7E-04 | 2.5E+00 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-54 | 186 | 121.93 | -106.9 | less-open | 66 | 138 | 125 | 35 | 1 | SE | 116-165 | 49 | 8.7E-04 | 2.5E+00 | 0.9 | 1.5 | -- | -- | -- | -- | -- |
| MW-54 | 187 | 122.49 | -107.5 | less-open | 75 | 154 | 141 | 51 | 1 | SE | 116-165 | 49 | 8.7E-04 | 2.5E+00 | 0.6 | 0.6 | -- | -- | -- | -- | -- |
| MW-54 | 188 | 122.66 | -107.7 | less-open | 77 | 299 | 286 | 196 | 4 | W | 245-290 | 45 | 8.7E-04 | 2.5E+00 | 0.2 | -- | -- | -- | 13.0 | -- | -- |
| MW-54 | 189 | 122.85 | -107.9 | less-open | 81 | 150 | 137 | 47 | 1 | SE | 116-165 | 49 | 8.7E-04 | 2.5E+00 | 0.2 | 0.4 | -- | -- | -- | -- | -- |
| MW-54 | 190 | 123.08 | -108.1 | less-open | 73 | 301 | 288 | 198 | 4 | W | 245-290 | 45 | 8.7E-04 | 2.5E+00 | 0.2 | -- | -- | -- | 0.4 | -- | -- |
| MW-54 | 191 | 123.32 | -108.3 | less-open | 46 | 178 | 165 | 75 | 1 | SE | 116-165 | 49 | 8.7E-04 | 2.5E+00 | 0.2 | 0.5 | -- | -- | -- | -- | -- |
| MW-54 | 192 | 123.44 | -108.5 | less-open | 60 | 310 | 297 | 207 | 2 | NW | 291-335 | 44 | 8.7E-04 | 2.5E+00 | 0.1 | -- | 10.6 | -- | -- | -- | -- |
| MW-54 | 193 | 123.94 | -109.0 | less-open | 60 | 143 | 130 | 40 | 1 | SE | 116-165 | 49 | 8.7E-04 | 2.5E+00 | 0.5 | 0.6 | -- | -- | -- | -- | -- |
| MW-54 | 194 | 123.96 | -109.0 | less-open | 60 | 283 | 270 | 180 | 4 | W | 245-290 | 45 | 8.7E-04 | 2.5E+00 | 0.0 | -- | -- | -- | 0.9 | -- | -- |
| MW-54 | 195 | 124.35 | -109.4 | less-open | 32 | 243 | 230 | 140 | NSR | NSR | NSR | NSR | 8.7E-04 | 2.5E+00 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-54 | 196 | 124.59 | -109.6 | less-open | 33 | 246 | 233 | 143 | NSR | NSR | NSR | NSR | 8.7E-04 | 2.5E+00 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-54 | 197 | 124.66 | -109.7 | less-open | 35 | 253 | 240 | 150 | NSR | NSR | NSR | NSR | 8.7E-04 | 2.5E+00 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-54 | 198 | 124.87 | -109.9 | less-open | 52 | 114 | 101 | 11 | 3 | E | 70-115 | 45 | 8.7E-04 | 2.5E+00 | 0.2 | -- | -- | 3.8 | -- | -- | -- |
| MW-54 | 199 | 125.01 | -110.0 | less-open | 80 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | 8.7E-04 | 2.5E+00 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-54 | 200 | 125.49 | -110.5 | less-open | 42 | 113 | 100 | 10 | 3 | E | 70-115 | 45 | 8.7E-04 | 2.5E+00 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-54 | 201 | 125.8 | -110.8 | less-open | 74 | 165 | 152 | 62 | 1 | SE | 116-165 | 49 | 8.7E-04 | 2.5E+00 | 0.3 | 1.9 | -- | -- | -- | -- | -- |
| MW-54 | 202 | 126.33 | -111.3 | less-open | 76 | 153 | 140 | 50 | 1 | SE | 116-165 | 49 | 8.7E-04 | 2.5E+00 | 0.5 | 0.5 | -- | -- | -- | -- | -- |
| MW-54 | 203 | 127.48 | -112.5 | less-open | 47 | 298 | 285 | 195 | 4 | W | 245-290 | 45 | 8.7E-04 | 2.5E+00 | 1.2 | -- | -- | -- | 3.5 | -- | -- |
| MW-54 | 204 | 129.57 | -114.6 | less-open | 45 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 8.7E-04 | 2.5E+00 | 2.1 | -- | -- | 4.1 | -- | -- | -- |
| MW-54 | 205 | 129.83 | -114.8 | less-open | 55 | 236 | 223 | 133 | NSR | NSR | NSR | NSR | 8.7E-04 | 2.5E+00 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-54 | 206 | 130.24 | -115.3 | less-open | 63 | 103 | 90 | 0 | 3 | E | 70-115 | 45 | 8.7E-04 | 2.5E+00 | 0.4 | -- | -- | 0.7 | -- | -- | -- |
| MW-54 | 207 | 130.68 | -115.7 | less-open | 58 | 96 | 83 | 353 | 3 | E | 70-115 | 45 | 8.7E-04 | 2.5E+00 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-54 | 208 | 130.89 | -115.9 | less-open | 38 | 93 | 80 | 350 | 3 | E | 70-115 | 45 | 8.7E-04 | 2.5E+00 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-54 | 209 | 131.08 | -116.1 | less-open | 51 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | 8.7E-04 | 2.5E+00 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-54 | 210 | 131.82 | -116.8 | less-open | 42 | 124 | 111 | 21 | 3 | E | 70-115 | 45 | 8.7E-04 | 2.5E+00 | 0.7 | -- | -- | 0.7 | -- | -- | -- |
| MW-54 | 211 | 133.03 | -118.0 | less-open | 30 | 314 | 301 | 211 | NSR | NSR | NSR | NSR | 8.7E-04 | 2.5E+00 | 1.2 | -- | -- | -- | -- | -- | -- |
| MW-54 | 212 | 133.16 | -118.2 | less-open | 49 | 309 | 296 | 206 | 2 | NW | 291-335 | 44 | 8.7E-04 | 2.5E+00 | 0.1 | -- | 9.7 | -- | -- | -- | -- |
| MW-54 | 213 | 133.99 | -119.0 | less-open | 56 | 130 | 117 | 27 | 1 | SE | 116-165 | 49 | 8.7E-04 | 2.5E+00 | 0.8 | 7.7 | -- | -- | -- | -- | -- |
| MW-54 | 214 | 135.09 | -120.1 | less-open | 57 | 331 | 318 | 228 | 2 | NW | 291-335 | 44 | 8.7E-04 | 2.5E+00 | 1.1 | -- | 1.9 | -- | -- | -- | -- |
| MW-54 | 215 | 136.35 | -121.4 | less-open | 49 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | 9.9E-04 | 2.8E+00 | 1.3 | -- | -- | 4.5 | -- | -- | -- |
| MW-54 | 216 | 137.05 | -122.1 | less-open | 58 | 99 | 86 | 356 | 3 | E | 70-115 | 45 | 9.9E-04 | 2.8E+00 | 0.7 | -- | -- | 0.7 | -- | -- | -- |
| MW-54 | 217 | 137.38 | -122.4 | less-open | 44 | 74 | 61 | 331 | NSR | NSR | NSR | NSR | 9.9E-04 | 2.8E+00 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-54 | 218 | 137.47 | -122.5 | less-open | 64 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | 9.9E-04 | 2.8E+00 | 0.1 | -- | -- | 0.4 | -- | -- | -- |
| MW-54 | 219 | 137.58 | -122.6 | less-open | 51 | 95 | 82 | 352 | 3 | E | 70-115 | 45 | 9.9E-04 | 2.8E+00 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-54 | 220 | 137.78 | -122.8 | less-open | 57 | 88 | 75 | 345 | 3 | E | 70-115 | 45 | 9.9E-04 | 2.8E+00 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-54 | 221 | 137.9 | -122.9 | less-open | 72 | 337 | 324 | 234 | 2 | NW | 291-335 | 44 | 9.9E-04 | 2.8E+00 | 0.1 | -- | 2.8 | -- | -- | -- | -- |
| MW-54 | 222 | 137.97 | -123.0 | less-open | 68 | 89 | 76 | 346 | 3 | E | 70-115 | 45 | 9.9E-04 | 2.8E+00 | 0.1 | -- | -- | 0.2 | -- | -- | -- |
| MW-54 | 223 | 138.09 | -123.1 | less-open | 53 | 295 | 282 | 192 | 4 | W | 245-290 | 45 | 9.9E-04 | 2.8E+00 | 0.1 | -- | -- | -- | 10.6 | -- | -- |
| MW-54 | 224 | 138.66 | -123.7 | less-open | 40 | 120 | 107 | 17 | 3 | E | 70-115 | 45 | 9.9E-04 | 2.8E+00 | 0.6 | -- | -- | 0.7 | -- | -- | -- |
| MW-54 | 225 | 138.94 | -124.0 | less-open | 50 | 99 | 86 | 356 | 3 | E | 70-115 | 45 | 9.9E-04 | 2.8E+00 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-54 | 226 | 139.27 | -124.3 | less-open | 64 | 122 | 109 | 19 | 3 | E | 70-115 | 45 | 9.9E-04 | 2.8E+00 | 0.3 | -- | -- | 0.3 | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-54 | 227 | 139.51 | -124.5 | less-open | 59 | 96 | 83 | 353 | 3 | E | 70-115 | 45 | 9.9E-04 | 2.8E+00 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-54 | 228 | 139.57 | -124.6 | less-open | 62 | 286 | 273 | 183 | 4 | W | 245-290 | 45 | 9.9E-04 | 2.8E+00 | 0.1 | -- | -- | -- | 1.5 | -- | -- |
| MW-54 | 229 | 139.59 | -124.6 | less-open | 46 | 125 | 112 | 22 | 3 | E | 70-115 | 45 | 9.9E-04 | 2.8E+00 | 0.0 | -- | -- | 0.1 | -- | -- | -- |
| MW-54 | 230 | 139.97 | -125.0 | less-open | 58 | 69 | 56 | 326 | NSR | NSR | NSR | NSR | 9.9E-04 | 2.8E+00 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-54 | 231 | 140.15 | -125.2 | less-open | 49 | 169 | 156 | 66 | 1 | SE | 116-165 | 49 | 9.9E-04 | 2.8E+00 | 0.2 | 6.2 | -- | -- | -- | -- | -- |
| MW-54 | 232 | 140.41 | -125.4 | less-open | 21 | 45 | 32 | 302 | NSR | NSR | NSR | NSR | 9.9E-04 | 2.8E+00 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-54 | 233 | 140.45 | -125.5 | less-open | 32 | 226 | 213 | 123 | NSR | NSR | NSR | NSR | 9.9E-04 | 2.8E+00 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-54 | 234 | 140.5 | -125.5 | less-open | 63 | 84 | 71 | 341 | 3 | E | 70-115 | 45 | 9.9E-04 | 2.8E+00 | 0.1 | -- | -- | 0.9 | -- | -- | -- |
| MW-54 | 235 | 140.74 | -125.8 | less-open | 63 | 219 | 206 | 116 | NSR | NSR | NSR | NSR | 9.9E-04 | 2.8E+00 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-54 | 236 | 141.23 | -126.2 | less-open | 27 | 244 | 231 | 141 | NSR | NSR | NSR | NSR | 9.9E-04 | 2.8E+00 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-54 | 237 | 142.24 | -127.3 | less-open | 37 | 185 | 172 | 82 | 5 | S | 166-200 | 34 | 9.9E-04 | 2.8E+00 | 1.0 | -- | -- | -- | -- | 21.5 | -- |
| MW-54 | 238 | 142.43 | -127.4 | less-open | 78 | 120 | 107 | 17 | 3 | E | 70-115 | 45 | 9.9E-04 | 2.8E+00 | 0.2 | -- | -- | 1.9 | -- | -- | -- |
| MW-54 | 239 | 144.42 | -129.4 | less-open | 38 | 124 | 111 | 21 | 3 | E | 70-115 | 45 | 9.9E-04 | 2.8E+00 | 2.0 | -- | -- | 2.0 | -- | -- | -- |
| MW-54 | 240 | 144.49 | -129.5 | less-open | 68 | 113 | 100 | 10 | 3 | E | 70-115 | 45 | 9.9E-04 | 2.8E+00 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-54 | 241 | 144.61 | -129.6 | open | 40 | 114 | 101 | 11 | 3 | E | 70-115 | 45 | 9.9E-04 | 2.8E+00 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-54 | 242 | 144.84 | -129.9 | open | 41 | 125 | 112 | 22 | 3 | E | 70-115 | 45 | 9.9E-04 | 2.8E+00 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-54 | 243 | 145.01 | -130.0 | open | 44 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | 9.9E-04 | 2.8E+00 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-54 | 244 | 145.55 | -130.6 | less-open | 44 | 95 | 82 | 352 | 3 | E | 70-115 | 45 | 9.9E-04 | 2.8E+00 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-54 | 245 | 145.86 | -130.9 | less-open | 41 | 114 | 101 | 11 | 3 | E | 70-115 | 45 | 9.9E-04 | 2.8E+00 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-54 | 246 | 146.02 | -131.0 | less-open | 46 | 104 | 91 | 1 | 3 | E | 70-115 | 45 | 9.9E-04 | 2.8E+00 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-54 | 247 | 146.14 | -131.2 | less-open | 45 | 98 | 85 | 355 | 3 | E | 70-115 | 45 | 6.7E-04 | 1.9E+00 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-54 | 248 | 146.96 | -132.0 | less-open | 75 | 176 | 163 | 73 | 1 | SE | 116-165 | 49 | 6.7E-04 | 1.9E+00 | 0.8 | 6.8 | -- | -- | -- | -- | -- |
| MW-54 | 249 | 147.41 | -132.4 | less-open | 37 | 188 | 175 | 85 | 5 | S | 166-200 | 34 | 6.7E-04 | 1.9E+00 | 0.4 | -- | -- | -- | -- | 5.2 | -- |
| MW-54 | 250 | 148.09 | -133.1 | less-open | 57 | 325 | 312 | 222 | 2 | NW | 291-335 | 44 | 6.7E-04 | 1.9E+00 | 0.7 | -- | 10.2 | -- | -- | -- | -- |
| MW-54 | 251 | 148.52 | -133.5 | less-open | 60 | 215 | 202 | 112 | NSR | NSR | NSR | NSR | 6.7E-04 | 1.9E+00 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-54 | 252 | 148.68 | -133.7 | less-open | 35 | 197 | 184 | 94 | 5 | S | 166-200 | 34 | 6.7E-04 | 1.9E+00 | 0.2 | -- | -- | -- | -- | 1.3 | -- |
| MW-54 | 253 | 148.82 | -133.8 | less-open | 53 | 179 | 166 | 76 | 5 | S | 166-200 | 34 | 6.7E-04 | 1.9E+00 | 0.1 | -- | -- | -- | -- | 0.1 | -- |
| MW-54 | 254 | 149.33 | -134.3 | less-open | 40 | 188 | 175 | 85 | 5 | S | 166-200 | 34 | 6.7E-04 | 1.9E+00 | 0.5 | -- | -- | -- | -- | 0.5 | -- |
| MW-54 | 255 | 149.42 | -134.4 | less-open | 48 | 236 | 223 | 133 | NSR | NSR | NSR | NSR | 6.7E-04 | 1.9E+00 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-54 | 256 | 149.49 | -134.5 | less-open | 41 | 183 | 170 | 80 | 5 | S | 166-200 | 34 | 6.7E-04 | 1.9E+00 | 0.1 | -- | -- | -- | -- | 0.2 | -- |
| MW-54 | 257 | 149.8 | -134.8 | less-open | 68 | 139 | 126 | 36 | 1 | SE | 116-165 | 49 | 6.7E-04 | 1.9E+00 | 0.3 | 2.8 | -- | -- | -- | -- | -- |
| MW-54 | 258 | 150.35 | -135.4 | less-open | 50 | 81 | 68 | 338 | NSR | NSR | NSR | NSR | 6.7E-04 | 1.9E+00 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-54 | 259 | 150.59 | -135.6 | less-open | 45 | 90 | 77 | 347 | 3 | E | 70-115 | 45 | 6.7E-04 | 1.9E+00 | 0.2 | -- | -- | 4.5 | -- | -- | -- |
| MW-54 | 260 | 150.88 | -135.9 | less-open | 69 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | 6.7E-04 | 1.9E+00 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-54 | 261 | 151.01 | -136.0 | less-open | 62 | 104 | 91 | 1 | 3 | E | 70-115 | 45 | 6.7E-04 | 1.9E+00 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-54 | 262 | 151.11 | -136.1 | less-open | 81 | 358 | 345 | 255 | 6 | N | 336-21 | 45 | 6.7E-04 | 1.9E+00 | 0.1 | -- | -- | -- | -- | -- | 60.8 |
| MW-54 | 263 | 151.24 | -136.3 | less-open | 41 | 101 | 88 | 358 | 3 | E | 70-115 | 45 | 6.7E-04 | 1.9E+00 | 0.1 | -- | -- | 0.2 | -- | -- | -- |
| MW-54 | 264 | 151.41 | -136.4 | less-open | 47 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | 6.7E-04 | 1.9E+00 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-54 | 265 | 151.51 | -136.5 | less-open | 82 | 326 | 313 | 223 | NSR | NSR | NSR | NSR | 6.7E-04 | 1.9E+00 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-54 | 266 | 151.56 | -136.6 | less-open | 50 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | 6.7E-04 | 1.9E+00 | 0.1 | -- | -- | 0.2 | -- | -- | -- |
| MW-54 | 267 | 151.94 | -137.0 | less-open | 35 | 122 | 109 | 19 | 3 | E | 70-115 | 45 | 6.7E-04 | 1.9E+00 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-54 | 268 | 152.29 | -137.3 | less-open | 34 | 142 | 129 | 39 | 1 | SE | 116-165 | 49 | 6.7E-04 | 1.9E+00 | 0.3 | 2.5 | -- | -- | -- | -- | -- |
| MW-54 | 269 | 152.67 | -137.7 | less-open | 19 | 136 | 123 | 33 | NSR | NSR | NSR | NSR | 6.7E-04 | 1.9E+00 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-54 | 270 | 152.9 | -137.9 | less-open | 50 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | 6.7E-04 | 1.9E+00 | 0.2 | -- | -- | 1.0 | -- | -- | -- |
| MW-54 | 271 | 153 | -138.0 | less-open | 48 | 129 | 116 | 26 | 1 | SE | 116-165 | 49 | 6.7E-04 | 1.9E+00 | 0.1 | 0.7 | -- | -- | -- | -- | -- |
| MW-54 | 272 | 154.36 | -139.4 | less-open | 51 | 81 | 68 | 338 | NSR | NSR | NSR | NSR | 6.7E-04 | 1.9E+00 | 1.4 | -- | -- | -- | -- | -- | -- |
| MW-54 | 273 | 155.49 | -140.5 | less-open | 81 | 98 | 85 | 355 | 3 | E | 70-115 | 45 | 6.7E-04 | 1.9E+00 | 1.1 | -- | -- | 2.6 | -- | -- | -- |
| MW-54 | 274 | 155.63 | -140.6 | less-open | 55 | 74 | 61 | 331 | NSR | NSR | NSR | NSR | 6.7E-04 | 1.9E+00 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-54 | 275 | 155.69 | -140.7 | less-open | 80 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 6.7E-04 | 1.9E+00 | 0.1 | -- | -- | 0.2 | -- | -- | -- |
| MW-54 | 276 | 155.85 | -140.9 | less-open | 55 | 149 | 136 | 46 | 1 | SE | 116-165 | 49 | 6.7E-04 | 1.9E+00 | 0.2 | 2.8 | -- | -- | -- | -- | -- |
| MW-54 | 277 | 156.47 | -141.5 | less-open | 44 | 142 | 129 | 39 | 1 | SE | 116-165 | 49 | 6.7E-04 | 1.9E+00 | 0.6 | 0.6 | -- | -- | -- | -- | -- |
| MW-54 | 278 | 156.79 | -141.8 | less-open | 45 | 144 | 131 | 41 | 1 | SE | 116-165 | 49 | 6.7E-04 | 1.9E+00 | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-54 | 279 | 156.99 | -142.0 | less-open | 44 | 138 | 125 | 35 | 1 | SE | 116-165 | 49 | 6.7E-04 | 1.9E+00 | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-54 | 280 | 157.19 | -142.2 | less-open | 22 | 181 | 168 | 78 | NSR | NSR | NSR | NSR | 6.7E-04 | 1.9E+00 | 0.2 | -- | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-54 | 281 | 157.47 | -142.5 | less-open | 36 | 155 | 142 | 52 | 1 | SE | 116-165 | 49 | 3.7E-04 | 1.1E+00 | 0.3 | 0.5 | -- | -- | -- | -- | -- |
| MW-54 | 282 | 157.75 | -142.8 | less-open | 25 | 137 | 124 | 34 | NSR | NSR | NSR | NSR | 3.7E-04 | 1.1E+00 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-54 | 283 | 157.97 | -143.0 | less-open | 35 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | 3.7E-04 | 1.1E+00 | 0.2 | -- | -- | 2.3 | -- | -- | -- |
| MW-54 | 284 | 158.23 | -143.2 | less-open | 54 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | 3.7E-04 | 1.1E+00 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-54 | 285 | 158.56 | -143.6 | less-open | 61 | 96 | 83 | 353 | 3 | E | 70-115 | 45 | 3.7E-04 | 1.1E+00 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-54 | 286 | 158.81 | -143.8 | less-open | 66 | 93 | 80 | 350 | 3 | E | 70-115 | 45 | 3.7E-04 | 1.1E+00 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-54 | 287 | 159 | -144.0 | less-open | 64 | 119 | 106 | 16 | 3 | E | 70-115 | 45 | 3.7E-04 | 1.1E+00 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-54 | 288 | 159.12 | -144.1 | less-open | 64 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | 3.7E-04 | 1.1E+00 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-54 | 289 | 159.25 | -144.3 | less-open | 54 | 199 | 186 | 96 | 5 | S | 166-200 | 34 | 3.7E-04 | 1.1E+00 | 0.1 | -- | -- | -- | -- | 9.8 | -- |
| MW-54 | 290 | 159.38 | -144.4 | less-open | 58 | 103 | 90 | 360 | 3 | E | 70-115 | 45 | 3.7E-04 | 1.1E+00 | 0.1 | -- | -- | 0.3 | -- | -- | -- |
| MW-54 | 291 | 159.42 | -144.4 | less-open | 54 | 201 | 188 | 98 | 5 | S | 166-200 | 34 | 3.7E-04 | 1.1E+00 | 0.0 | -- | -- | -- | -- | 0.2 | -- |
| MW-54 | 292 | 159.52 | -144.5 | less-open | 65 | 97 | 84 | 354 | 3 | E | 70-115 | 45 | 3.7E-04 | 1.1E+00 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-54 | 293 | 160.2 | -145.2 | less-open | 23 | 174 | 161 | 71 | NSR | NSR | NSR | NSR | 3.7E-04 | 1.1E+00 | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-54 | 294 | 160.44 | -145.5 | less-open | 72 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | 3.7E-04 | 1.1E+00 | 0.2 | -- | -- | 0.9 | -- | -- | -- |
| MW-54 | 295 | 161.52 | -146.5 | less-open | 61 | 98 | 85 | 355 | 3 | E | 70-115 | 45 | 3.7E-04 | 1.1E+00 | 1.1 | -- | -- | 1.1 | -- | -- | -- |
| MW-54 | 296 | 161.59 | -146.6 | less-open | 72 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | 3.7E-04 | 1.1E+00 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-54 | 297 | 162.09 | -147.1 | less-open | 49 | 68 | 55 | 325 | NSR | NSR | NSR | NSR | 3.7E-04 | 1.1E+00 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-54 | 298 | 162.15 | -147.2 | less-open | 62 | 190 | 177 | 87 | 5 | S | 166-200 | 34 | 3.7E-04 | 1.1E+00 | 0.1 | -- | -- | -- | -- | 2.7 | -- |
| MW-54 | 299 | 162.29 | -147.3 | less-open | 55 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | 3.7E-04 | 1.1E+00 | 0.1 | -- | -- | 0.7 | -- | -- | -- |
| MW-54 | 300 | 162.66 | -147.7 | less-open | 67 | 270 | 257 | 167 | 4 | W | 245-290 | 45 | 3.7E-04 | 1.1E+00 | 0.4 | -- | -- | -- | 23.1 | -- | -- |
| MW-54 | 301 | 162.79 | -147.8 | less-open | 80 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | 3.7E-04 | 1.1E+00 | 0.1 | -- | -- | 0.5 | -- | -- | -- |
| MW-54 | 302 | 163.16 | -148.2 | less-open | 23 | 258 | 245 | 155 | NSR | NSR | NSR | NSR | 3.7E-04 | 1.1E+00 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-54 | 303 | 163.81 | -148.8 | less-open | 67 | 42 | 29 | 299 | NSR | NSR | NSR | NSR | 3.7E-04 | 1.1E+00 | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-54 | 304 | 164.21 | -149.2 | less-open | 76 | 76 | 63 | 333 | NSR | NSR | NSR | NSR | 3.7E-04 | 1.1E+00 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-54 | 305 | 164.5 | -149.5 | less-open | 76 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | 3.7E-04 | 1.1E+00 | 0.3 | -- | -- | 1.7 | -- | -- | -- |
| MW-54 | 306 | 164.67 | -149.7 | less-open | 76 | 136 | 123 | 33 | 1 | SE | 116-165 | 49 | 3.7E-04 | 1.1E+00 | 0.2 | 7.2 | -- | -- | -- | -- | -- |
| MW-54 | 307 | 166.59 | -151.6 | less-open | 70 | 110 | 97 | 7 | 3 | E | 70-115 | 45 | 3.7E-04 | 1.1E+00 | 1.9 | -- | -- | 2.1 | -- | -- | -- |
| MW-54 | 308 | 166.77 | -151.8 | less-open | 57 | 103 | 90 | 0 | 3 | E | 70-115 | 45 | 3.7E-04 | 1.1E+00 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-54 | 309 | 167.12 | -152.1 | less-open | 51 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | 3.7E-04 | 1.1E+00 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-54 | 310 | 167.78 | -152.8 | less-open | 48 | 90 | 77 | 347 | 3 | E | 70-115 | 45 | 3.7E-04 | 1.1E+00 | 0.7 | -- | -- | 0.7 | -- | -- | -- |
| MW-54 | 311 | 168.4 | -153.4 | less-open | 45 | 104 | 91 | 1 | 3 | E | 70-115 | 45 | 3.7E-04 | 1.1E+00 | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-54 | 312 | 168.58 | -153.6 | less-open | 45 | 114 | 101 | 11 | 3 | E | 70-115 | 45 | 3.7E-04 | 1.1E+00 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-54 | 313 | 168.8 | -153.8 | less-open | 51 | 121 | 108 | 18 | 3 | E | 70-115 | 45 | 3.7E-04 | 1.1E+00 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-54 | 314 | 168.84 | -153.9 | less-open | 72 | 299 | 286 | 196 | 4 | W | 245-290 | 45 | 3.7E-04 | 1.1E+00 | 0.0 | -- | -- | -- | 6.2 | -- | -- |
| MW-54 | 315 | 169.27 | -154.3 | less-open | 44 | 347 | 334 | 244 | 2 | NW | 291-335 | 44 | 3.7E-04 | 1.1E+00 | 0.4 | -- | 21.2 | -- | -- | -- | -- |
| MW-54 | 316 | 169.48 | -154.5 | less-open | 39 | 336 | 323 | 233 | 2 | NW | 291-335 | 44 | 3.7E-04 | 1.1E+00 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-54 | 317 | 169.61 | -154.6 | less-open | 57 | 127 | 114 | 24 | 3 | E | 70-115 | 45 | 3.7E-04 | 1.1E+00 | 0.1 | -- | -- | 0.8 | -- | -- | -- |
| MW-54 | 318 | 170.51 | -155.5 | less-open | 76 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | 3.7E-04 | 1.1E+00 | 0.9 | -- | -- | 0.9 | -- | -- | -- |
| MW-54 | 319 | 170.9 | -155.9 | less-open | 55 | 120 | 107 | 17 | 3 | E | 70-115 | 45 | 3.7E-04 | 1.1E+00 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-54 | 320 | 171.09 | -156.1 | less-open | 57 | 146 | 133 | 43 | 1 | SE | 116-165 | 49 | 3.7E-04 | 1.1E+00 | 0.2 | 6.4 | -- | -- | -- | -- | -- |
| MW-54 | 321 | 172.27 | -157.3 | less-open | 70 | 260 | 247 | 157 | 4 | W | 245-290 | 45 | 8.8E-04 | 2.5E+00 | 1.2 | -- | -- | -- | 3.4 | -- | -- |
| MW-54 | 322 | 172.59 | -157.6 | less-open | 75 | 266 | 253 | 163 | 4 | W | 245-290 | 45 | 8.8E-04 | 2.5E+00 | 0.3 | -- | -- | -- | 0.3 | -- | -- |
| MW-54 | 323 | 172.65 | -157.7 | less-open | 54 | 302 | 289 | 199 | 4 | W | 245-290 | 45 | 8.8E-04 | 2.5E+00 | 0.1 | -- | -- | -- | 0.1 | -- | -- |
| MW-54 | 324 | 173.22 | -158.2 | less-open | 58 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | 8.8E-04 | 2.5E+00 | 0.6 | -- | -- | 2.3 | -- | -- | -- |
| MW-54 | 325 | 173.55 | -158.6 | less-open | 58 | 96 | 83 | 353 | 3 | E | 70-115 | 45 | 8.8E-04 | 2.5E+00 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-54 | 326 | 173.82 | -158.8 | open | 54 | 320 | 307 | 217 | 2 | NW | 291-335 | 44 | 8.8E-04 | 2.5E+00 | 0.3 | -- | 4.3 | -- | -- | -- | -- |
| MW-54 | 327 | 173.9 | -158.9 | open | 64 | 282 | 269 | 179 | 4 | W | 245-290 | 45 | 8.8E-04 | 2.5E+00 | 0.1 | -- | -- | -- | 1.3 | -- | -- |
| MW-54 | 328 | 174.28 | -159.3 | open | 70 | 304 | 291 | 201 | 2 | NW | 291-335 | 44 | 8.8E-04 | 2.5E+00 | 0.4 | -- | 0.5 | -- | -- | -- | -- |
| MW-54 | 329 | 175.46 | -160.5 | open | 66 | 99 | 86 | 356 | 3 | E | 70-115 | 45 | 8.8E-04 | 2.5E+00 | 1.2 | -- | -- | 1.9 | -- | -- | -- |
| MW-54 | 330 | 175.68 | -160.7 | open | 58 | 100 | 87 | 357 | 3 | E | 70-115 | 45 | 8.8E-04 | 2.5E+00 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-54 | 331 | 176.3 | -161.3 | less-open | 62 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 8.8E-04 | 2.5E+00 | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-54 | 332 | 176.53 | -161.5 | less-open | 60 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | 8.8E-04 | 2.5E+00 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-54 | 333 | 177.18 | -162.2 | less-open | 75 | 132 | 119 | 29 | 1 | SE | 116-165 | 49 | 8.8E-04 | 2.5E+00 | 0.7 | 6.1 | -- | -- | -- | -- | -- |
| MW-54 | 334 | 177.33 | -162.3 | less-open | 70 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | 8.8E-04 | 2.5E+00 | 0.2 | 0.2 | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-54 | 335 | 177.56 | -162.6 | less-open | 70 | 128 | 115 | 25 | 3 | E | 70-115 | 45 | 8.8E-04 | 2.5E+00 | 0.2 | -- | -- | 1.0 | -- | -- | -- |
| MW-54 | 336 | 177.71 | -162.7 | less-open | 74 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | 8.8E-04 | 2.5E+00 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-54 | 337 | 178.62 | -163.6 | less-open | 58 | 206 | 193 | 103 | 5 | S | 166-200 | 34 | 8.8E-04 | 2.5E+00 | 0.9 | -- | -- | -- | -- | 16.5 | -- |
| MW-54 | 338 | 178.62 | -163.6 | less-open | 35 | 357 | 344 | 254 | 6 | N | 336-21 | 45 | 8.8E-04 | 2.5E+00 | 0.0 | -- | -- | -- | -- | -- | 27.5 |
| MW-54 | 339 | 179.28 | -164.3 | less-open | 57 | 136 | 123 | 33 | 1 | SE | 116-165 | 49 | 8.8E-04 | 2.5E+00 | 0.7 | 1.9 | -- | -- | -- | -- | -- |
| MW-54 | 340 | 179.55 | -164.6 | less-open | 86 | 358 | 345 | 255 | NSR | NSR | NSR | NSR | 8.8E-04 | 2.5E+00 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-54 | 341 | 179.58 | -164.6 | less-open | 51 | 126 | 113 | 23 | 3 | E | 70-115 | 45 | 8.8E-04 | 2.5E+00 | 0.0 | -- | -- | 1.9 | -- | -- | -- |
| MW-54 | 342 | 179.94 | -165.0 | less-open | 32 | 112 | 99 | 9 | NSR | NSR | NSR | NSR | 8.8E-04 | 2.5E+00 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-54 | 343 | 180.6 | -165.6 | less-open | 41 | 103 | 90 | 360 | 3 | E | 70-115 | 45 | 8.8E-04 | 2.5E+00 | 0.7 | -- | -- | 1.0 | -- | -- | -- |
| MW-54 | 344 | 181.37 | -166.4 | less-open | 69 | 175 | 162 | 72 | 1 | SE | 116-165 | 49 | 8.8E-04 | 2.5E+00 | 0.8 | 2.1 | -- | -- | -- | -- | -- |
| MW-54 | 345 | 181.72 | -166.7 | less-open | 38 | 338 | 325 | 235 | 2 | NW | 291-335 | 44 | 8.8E-04 | 2.5E+00 | 0.3 | -- | 7.4 | -- | -- | -- | -- |
| MW-54 | 346 | 181.84 | -166.9 | less-open | 32 | 37 | 24 | 294 | NSR | NSR | NSR | NSR | 8.8E-04 | 2.5E+00 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-54 | 347 | 181.94 | -167.0 | less-open | 69 | 215 | 202 | 112 | NSR | NSR | NSR | NSR | 8.8E-04 | 2.5E+00 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-54 | 348 | 182.26 | -167.3 | less-open | 31 | 253 | 240 | 150 | NSR | NSR | NSR | NSR | 3.9E-04 | 1.1E+00 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-54 | 349 | 182.43 | -167.4 | less-open | 67 | 139 | 126 | 36 | 1 | SE | 116-165 | 49 | 3.9E-04 | 1.1E+00 | 0.2 | 1.1 | -- | -- | -- | -- | -- |
| MW-54 | 350 | 183.02 | -168.0 | less-open | 71 | 113 | 100 | 10 | 3 | E | 70-115 | 45 | 3.9E-04 | 1.1E+00 | 0.6 | -- | -- | 2.4 | -- | -- | -- |
| MW-54 | 351 | 183.3 | -168.3 | less-open | 75 | 354 | 341 | 251 | 6 | N | 336-21 | 45 | 3.9E-04 | 1.1E+00 | 0.3 | -- | -- | -- | -- | -- | 4.7 |
| MW-54 | 352 | 183.5 | -168.5 | less-open | 74 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | 3.9E-04 | 1.1E+00 | 0.2 | -- | -- | 0.5 | -- | -- | -- |
| MW-54 | 353 | 183.85 | -168.9 | less-open | 56 | 348 | 335 | 245 | 2 | NW | 291-335 | 44 | 3.9E-04 | 1.1E+00 | 0.3 | -- | 2.1 | -- | -- | -- | -- |
| MW-54 | 354 | 183.9 | -168.9 | less-open | 75 | 88 | 75 | 345 | 3 | E | 70-115 | 45 | 3.9E-04 | 1.1E+00 | 0.1 | -- | -- | 0.4 | -- | -- | -- |
| MW-54 | 355 | 184.48 | -169.5 | less-open | 45 | 324 | 311 | 221 | 2 | NW | 291-335 | 44 | 3.9E-04 | 1.1E+00 | 0.6 | -- | 0.6 | -- | -- | -- | -- |
| MW-54 | 356 | 184.71 | -169.7 | less-open | 50 | 105 | 92 | 2 | 3 | E | 70-115 | 45 | 3.9E-04 | 1.1E+00 | 0.2 | -- | -- | 0.8 | -- | -- | -- |
| MW-54 | 357 | 185.31 | -170.3 | less-open | 62 | 144 | 131 | 41 | 1 | SE | 116-165 | 49 | 3.9E-04 | 1.1E+00 | 0.6 | 2.9 | -- | -- | -- | -- | -- |
| MW-54 | 358 | 185.43 | -170.4 | less-open | 58 | 313 | 300 | 210 | 2 | NW | 291-335 | 44 | 3.9E-04 | 1.1E+00 | 0.1 | -- | 1.0 | -- | -- | -- | -- |
| MW-54 | 359 | 185.58 | -170.6 | less-open | 44 | 203 | 190 | 100 | 5 | S | 166-200 | 34 | 3.9E-04 | 1.1E+00 | 0.2 | -- | -- | -- | -- | 7.0 | -- |
| MW-54 | 360 | 186.25 | -171.3 | less-open | 70 | 323 | 310 | 220 | 2 | NW | 291-335 | 44 | 3.9E-04 | 1.1E+00 | 0.7 | -- | 0.8 | -- | -- | -- | -- |
| MW-54 | 361 | 186.28 | -171.3 | less-open | 49 | 352 | 339 | 249 | 6 | N | 336-21 | 45 | 3.9E-04 | 1.1E+00 | 0.0 | -- | -- | -- | -- | -- | 3.0 |
| MW-54 | 362 | 186.63 | -171.6 | less-open | 73 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 3.9E-04 | 1.1E+00 | 0.3 | -- | -- | 1.9 | -- | -- | -- |
| MW-54 | 363 | 186.71 | -171.7 | less-open | 79 | 349 | 336 | 246 | 6 | N | 336-21 | 45 | 3.9E-04 | 1.1E+00 | 0.1 | -- | -- | -- | -- | -- | 0.4 |
| MW-54 | 364 | 187.43 | -172.4 | less-open | 65 | 85 | 72 | 342 | 3 | E | 70-115 | 45 | 3.9E-04 | 1.1E+00 | 0.7 | -- | -- | 0.8 | -- | -- | -- |
| MW-54 | 365 | 187.66 | -172.7 | less-open | 40 | 191 | 178 | 88 | 5 | S | 166-200 | 34 | 3.9E-04 | 1.1E+00 | 0.2 | -- | -- | -- | -- | 2.1 | -- |
| MW-54 | 366 | 187.71 | -172.7 | less-open | 56 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | 3.9E-04 | 1.1E+00 | 0.1 | 2.4 | -- | -- | -- | -- | -- |
| MW-54 | 367 | 187.98 | -173.0 | less-open | 64 | 121 | 108 | 18 | 3 | E | 70-115 | 45 | 3.9E-04 | 1.1E+00 | 0.3 | -- | -- | 0.5 | -- | -- | -- |
| MW-54 | 368 | 189.96 | -175.0 | less-open | 53 | 174 | 161 | 71 | 1 | SE | 116-165 | 49 | 3.9E-04 | 1.1E+00 | 2.0 | 2.3 | -- | -- | -- | -- | -- |
| MW-54 | 369 | 189.98 | -175.0 | less-open | 84 | 172 | 159 | 69 | NSR | NSR | NSR | NSR | 3.9E-04 | 1.1E+00 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-54 | 370 | 190.27 | -175.3 | less-open | 44 | 164 | 151 | 61 | 1 | SE | 116-165 | 49 | 3.9E-04 | 1.1E+00 | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-54 | 371 | 190.76 | -175.8 | open | 48 | 202 | 189 | 99 | 5 | S | 166-200 | 34 | 3.9E-04 | 1.1E+00 | 0.5 | -- | -- | -- | -- | 3.1 | -- |
| MW-54 | 372 | 191.04 | -176.1 | open | 47 | 146 | 133 | 43 | 1 | SE | 116-165 | 49 | 3.9E-04 | 1.1E+00 | 0.3 | 0.8 | -- | -- | -- | -- | -- |
| MW-54 | 373 | 192.42 | -177.4 | open | 74 | 307 | 294 | 204 | 2 | NW | 291-335 | 44 | 3.9E-04 | 1.1E+00 | 1.4 | -- | 6.2 | -- | -- | -- | -- |
| MW-54 | 374 | 193.1 | -178.1 | less-open | 41 | 101 | 88 | 358 | 3 | E | 70-115 | 45 | 3.9E-04 | 1.1E+00 | 0.7 | -- | -- | 5.1 | -- | -- | -- |
| MW-54 | 375 | 193.48 | -178.5 | less-open | 42 | 133 | 120 | 30 | 1 | SE | 116-165 | 49 | 3.9E-04 | 1.1E+00 | 0.4 | 2.4 | -- | -- | -- | -- | -- |
| MW-54 | 376 | 193.95 | -179.0 | less-open | 60 | 201 | 188 | 98 | 5 | S | 166-200 | 34 | 3.9E-04 | 1.1E+00 | 0.5 | -- | -- | -- | -- | 3.2 | -- |
| MW-54 | 377 | 194 | -179.0 | less-open | 64 | 186 | 173 | 83 | 5 | S | 166-200 | 34 | 3.9E-04 | 1.1E+00 | 0.1 | -- | -- | -- | -- | 0.1 | -- |
| MW-54 | 378 | 194.17 | -179.2 | less-open | 63 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | 3.9E-04 | 1.1E+00 | 0.2 | -- | -- | 1.1 | -- | -- | -- |
| MW-54 | 379 | 194.72 | -179.7 | less-open | 22 | 152 | 139 | 49 | NSR | NSR | NSR | NSR | 3.9E-04 | 1.1E+00 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-54 | 380 | 194.74 | -179.8 | less-open | 71 | 181 | 168 | 78 | 5 | S | 166-200 | 34 | 3.9E-04 | 1.1E+00 | 0.0 | -- | -- | -- | -- | 0.7 | -- |
| MW-54 | 381 | 194.94 | -180.0 | less-open | 67 | 186 | 173 | 83 | 5 | S | 166-200 | 34 | 3.9E-04 | 1.1E+00 | 0.2 | -- | -- | -- | -- | 0.2 | -- |
| MW-54 | 382 | 195.41 | -180.4 | less-open | 39 | 321 | 308 | 218 | 2 | NW | 291-335 | 44 | 3.9E-04 | 1.1E+00 | 0.5 | -- | 3.0 | -- | -- | -- | -- |
| MW-54 | 383 | 195.58 | -180.6 | less-open | 70 | 277 | 264 | 174 | 4 | W | 245-290 | 45 | 3.9E-04 | 1.1E+00 | 0.2 | -- | -- | -- | 21.7 | -- | -- |
| MW-54 | 384 | 195.95 | -181.0 | less-open | 36 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 3.9E-04 | 1.1E+00 | 0.4 | -- | -- | 1.8 | -- | -- | -- |
| MW-54 | 385 | 196.75 | -181.8 | less-open | 77 | 131 | 118 | 28 | 1 | SE | 116-165 | 49 | 3.9E-04 | 1.1E+00 | 0.8 | 3.3 | -- | -- | -- | -- | -- |
| MW-54 | 386 | 196.9 | -181.9 | less-open | 73 | 319 | 306 | 216 | 2 | NW | 291-335 | 44 | 3.9E-04 | 1.1E+00 | 0.2 | -- | 1.5 | -- | -- | -- | -- |
| MW-54 | 387 | 197.52 | -182.5 | less-open | 63 | 305 | 292 | 202 | 2 | NW | 291-335 | 44 | 3.9E-04 | 1.1E+00 | 0.6 | -- | 0.6 | -- | -- | -- | -- |
| MW-54 | 388 | 197.68 | -182.7 | less-open | 43 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | 3.9E-04 | 1.1E+00 | 0.2 | -- | -- | 1.7 | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-54 | 389 | 197.8 | -182.8 | less-open | 57 | 302 | 289 | 199 | 4 | W | 245-290 | 45 | 3.9E-04 | 1.1E+00 | 0.1 | -- | -- | -- | 2.2 | -- | -- |
| MW-54 | 390 | 198.26 | -183.3 | less-open | 83 | 165 | 152 | 62 | NSR | NSR | NSR | NSR | 3.9E-04 | 1.1E+00 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-54 | 391 | 198.32 | -183.3 | less-open | 75 | 145 | 132 | 42 | 1 | SE | 116-165 | 49 | 3.9E-04 | 1.1E+00 | 0.1 | 1.6 | -- | -- | -- | -- | -- |
| MW-54 | 392 | 199.48 | -184.5 | open | 42 | 49 | 36 | 306 | NSR | NSR | NSR | NSR | 3.9E-04 | 1.1E+00 | 1.2 | -- | -- | -- | -- | -- | -- |
| MW-54 | 393 | 200.29 | -185.3 | less-open | 34 | 118 | 105 | 15 | NSR | NSR | NSR | NSR | 3.9E-04 | 1.1E+00 | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-54 | 394 | 200.52 | -185.5 | open | 51 | 265 | 252 | 162 | 4 | W | 245-290 | 45 | 3.9E-04 | 1.1E+00 | 0.2 | -- | -- | -- | 2.7 | -- | -- |
| MW-54 | 395 | 200.83 | -185.8 | less-open | 45 | 290 | 277 | 187 | 4 | W | 245-290 | 45 | 3.9E-04 | 1.1E+00 | 0.3 | -- | -- | -- | 0.3 | -- | -- |
| MW-54 | 396 | 201.07 | -186.1 | less-open | 50 | 302 | 289 | 199 | 4 | W | 245-290 | 45 | 3.9E-04 | 1.1E+00 | 0.2 | -- | -- | -- | 0.2 | -- | -- |
| MW-54 | 397 | 201.24 | -186.3 | less-open | 44 | 278 | 265 | 175 | 4 | W | 245-290 | 45 | 3.9E-04 | 1.1E+00 | 0.2 | -- | -- | -- | 0.2 | -- | -- |
| MW-54 | 398 | 201.72 | -186.7 | less-open | 52 | 89 | 76 | 346 | 3 | E | 70-115 | 45 | 3.9E-04 | 1.1E+00 | 0.5 | -- | -- | 4.0 | -- | -- | -- |
| MW-54 | 399 | 201.89 | -186.9 | less-open | 56 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | 3.9E-04 | 1.1E+00 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-54 | 400 | 201.97 | -187.0 | open | 82 | 91 | 78 | 348 | NSR | NSR | NSR | NSR | 3.9E-04 | 1.1E+00 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-54 | 401 | 202.85 | -187.9 | less-open | 54 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | 3.9E-04 | 1.1E+00 | 0.9 | 4.5 | -- | -- | -- | -- | -- |
| MW-54 | 402 | 203.08 | -188.1 | less-open | 90 | 132 | 119 | 29 | NSR | NSR | NSR | NSR | 3.9E-04 | 1.1E+00 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-54 | 403 | 203.46 | -188.5 | less-open | 89 | 272 | 259 | 169 | NSR | NSR | NSR | NSR | 3.9E-04 | 1.1E+00 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-54 | 404 | 203.68 | -188.7 | less-open | 90 | 269 | 256 | 166 | NSR | NSR | NSR | NSR | 3.9E-04 | 1.1E+00 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-54 | 405 | 203.94 | -189.0 | less-open | 90 | 290 | 277 | 187 | NSR | NSR | NSR | NSR | 3.9E-04 | 1.1E+00 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-54 | 406 | 204.3 | -189.3 | less-open | 90 | 99 | 86 | 356 | NSR | NSR | NSR | NSR | 3.9E-04 | 1.1E+00 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-55 | 1 | 12.4 | 5.8 | less-open | 63 | 74 | 61 | 331 | NSR | NSR | NSR | NSR | TNP | TNP | NA | -- | -- | -- | -- | -- | -- |
| MW-55 | 2 | 13.1 | 5.1 | less-open | 67 | 64 | 51 | 321 | NSR | NSR | NSR | NSR | TNP | TNP | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-55 | 3 | 13.4 | 4.9 | less-open | 67 | 48 | 35 | 305 | NSR | NSR | NSR | NSR | TNP | TNP | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-55 | 4 | 13.9 | 4.4 | less-open | 61 | 316 | 303 | 213 | 2 | NW | 291-335 | 44 | 2.6E-04 | 7.5E-01 | 0.5 | -- | 13.9 | -- | -- | -- | -- |
| MW-55 | 5 | 14.3 | 4.0 | less-open | 61 | 138 | 125 | 35 | 1 | SE | 116-165 | 49 | 2.6E-04 | 7.5E-01 | 0.4 | 14.3 | -- | -- | -- | -- | -- |
| MW-55 | 6 | 14.6 | 3.6 | less-open | 54 | 113 | 100 | 10 | 3 | E | 70-115 | 45 | 2.6E-04 | 7.5E-01 | 0.3 | -- | -- | 14.6 | -- | -- | -- |
| MW-55 | 7 | 15.2 | 3.1 | less-open | 59 | 170 | 157 | 67 | 1 | SE | 116-165 | 49 | 2.6E-04 | 7.5E-01 | 0.6 | 0.9 | -- | -- | -- | -- | -- |
| MW-55 | 8 | 15.8 | 2.5 | less-open | 51 | 143 | 130 | 40 | 1 | SE | 116-165 | 49 | 2.6E-04 | 7.5E-01 | 0.6 | 0.6 | -- | -- | -- | -- | -- |
| MW-55 | 9 | 15.9 | 2.3 | less-open | 79 | 161 | 148 | 58 | 1 | SE | 116-165 | 49 | 2.6E-04 | 7.5E-01 | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-55 | 10 | 16.8 | 1.5 | less-open | 68 | 226 | 213 | 123 | NSR | NSR | NSR | NSR | 2.6E-04 | 7.5E-01 | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-55 | 11 | 16.9 | 1.3 | less-open | 79 | 195 | 182 | 92 | 5 | S | 166-200 | 34 | 2.6E-04 | 7.5E-01 | 0.2 | -- | -- | -- | -- | 16.9 | -- |
| MW-55 | 12 | 17.1 | 1.2 | less-open | 60 | 161 | 148 | 58 | 1 | SE | 116-165 | 49 | 2.6E-04 | 7.5E-01 | 0.2 | 1.2 | -- | -- | -- | -- | -- |
| MW-55 | 13 | 17.2 | 1.0 | less-open | 70 | 142 | 129 | 39 | 1 | SE | 116-165 | 49 | 2.6E-04 | 7.5E-01 | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-55 | 14 | 18.4 | -0.1 | less-open | 70 | 73 | 60 | 330 | NSR | NSR | NSR | NSR | 2.6E-04 | 7.5E-01 | 1.2 | -- | -- | -- | -- | -- | -- |
| MW-55 | 15 | 19.4 | -1.2 | less-open | 44 | 29 | 16 | 286 | 6 | N | 336-21 | 45 | 2.6E-04 | 7.5E-01 | 1.1 | -- | -- | -- | -- | -- | 19.4 |
| MW-55 | 16 | 19.8 | -1.5 | less-open | 38 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 2.6E-04 | 7.5E-01 | 0.3 | -- | -- | 5.1 | -- | -- | -- |
| MW-55 | 17 | 20.0 | -1.8 | less-open | 28 | 224 | 211 | 121 | NSR | NSR | NSR | NSR | 2.6E-04 | 7.5E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-55 | 18 | 20.5 | -2.2 | less-open | 24 | 203 | 190 | 100 | NSR | NSR | NSR | NSR | 2.6E-04 | 7.5E-01 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-55 | 19 | 20.5 | -2.3 | less-open | 61 | 52 | 39 | 309 | NSR | NSR | NSR | NSR | 2.6E-04 | 7.5E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-55 | 20 | 21.0 | -2.7 | less-open | 61 | 328 | 315 | 225 | 2 | NW | 291-335 | 44 | 2.6E-04 | 7.5E-01 | 0.4 | -- | 7.1 | -- | -- | -- | -- |
| MW-55 | 21 | 21.9 | -3.7 | less-open | 40 | 270 | 257 | 167 | 4 | W | 245-290 | 45 | 2.6E-04 | 7.5E-01 | 1.0 | -- | -- | -- | 21.9 | -- | -- |
| MW-55 | 22 | 22.1 | -3.8 | less-open | 75 | 310 | 297 | 207 | 2 | NW | 291-335 | 44 | 2.6E-04 | 7.5E-01 | 0.1 | -- | 1.1 | -- | -- | -- | -- |
| MW-55 | 23 | 23.3 | -5.1 | less-open | 37 | 194 | 181 | 91 | 5 | S | 166-200 | 34 | 2.6E-04 | 7.5E-01 | 1.2 | -- | -- | -- | -- | 6.4 | -- |
| MW-55 | 24 | 23.6 | -5.3 | less-open | 68 | 317 | 304 | 214 | 2 | NW | 291-335 | 44 | 2.6E-04 | 7.5E-01 | 0.2 | -- | 1.5 | -- | -- | -- | -- |
| MW-55 | 25 | 23.7 | -5.5 | less-open | 22 | 246 | 233 | 143 | NSR | NSR | NSR | NSR | 2.6E-04 | 7.5E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-55 | 26 | 24.1 | -5.8 | less-open | 39 | 141 | 128 | 38 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.4 | 6.9 | -- | -- | -- | -- | -- |
| MW-55 | 27 | 24.5 | -6.3 | less-open | 43 | 152 | 139 | 49 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.4 | 0.4 | -- | -- | -- | -- | -- |
| MW-55 | 28 | 24.8 | -6.6 | less-open | 24 | 174 | 161 | 71 | NSR | NSR | NSR | NSR | TNP | TNP | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-55 | 29 | 25.0 | -6.8 | less-open | 27 | 250 | 237 | 147 | NSR | NSR | NSR | NSR | TNP | TNP | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-55 | 30 | 25.3 | -7.0 | less-open | 31 | 160 | 147 | 57 | NSR | NSR | NSR | NSR | TNP | TNP | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-55 | 31 | 25.6 | -7.4 | less-open | 21 | 200 | 187 | 97 | NSR | NSR | NSR | NSR | TNP | TNP | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-55 | 32 | 26.2 | -7.9 | less-open | 24 | 138 | 125 | 35 | NSR | NSR | NSR | NSR | TNP | TNP | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-55 | 33 | 27.0 | -8.7 | less-open | 31 | 223 | 210 | 120 | NSR | NSR | NSR | NSR | TNP | TNP | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-55 | 34 | 27.6 | -9.4 | less-open | 50 | 198 | 185 | 95 | 5 | S | 166-200 | 34 | TNP | TNP | 0.7 | -- | -- | -- | -- | 4.3 | -- |
| MW-55 | 35 | 27.7 | -9.4 | less-open | 44 | 49 | 36 | 306 | NSR | NSR | NSR | NSR | TNP | TNP | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-55 | 36 | 28.4 | -10.1 | less-open | 68 | 270 | 257 | 167 | 4 | W | 245-290 | 45 | TNP | TNP | 0.7 | -- | -- | -- | 6.4 | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-55 | 37 | 29.5 | -11.3 | less-open | 23 | 256 | 243 | 153 | NSR | NSR | NSR | NSR | TNP | TNP | 1.1 | -- | -- | -- | -- | -- | -- |
| MW-55 | 38 | 30.1 | -11.9 | less-open | 40 | 120 | 107 | 17 | 3 | E | 70-115 | 45 | 8.8E-04 | 2.5E+00 | 0.6 | -- | -- | 10.4 | -- | -- | -- |
| MW-55 | 39 | 32.3 | -14.0 | less-open | 40 | 152 | 139 | 49 | 1 | SE | 116-165 | 49 | 8.8E-04 | 2.5E+00 | 2.2 | 7.8 | -- | -- | -- | -- | -- |
| MW-55 | 40 | 32.6 | -14.4 | less-open | 53 | 85 | 72 | 342 | 3 | E | 70-115 | 45 | 8.8E-04 | 2.5E+00 | 0.4 | -- | -- | 2.5 | -- | -- | -- |
| MW-55 | 41 | 32.7 | -14.5 | less-open | 37 | 83 | 70 | 340 | 3 | E | 70-115 | 45 | 8.8E-04 | 2.5E+00 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-55 | 42 | 33.1 | -14.8 | less-open | 73 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | 8.8E-04 | 2.5E+00 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-55 | 43 | 33.2 | -15.0 | less-open | 55 | 94 | 81 | 351 | 3 | E | 70-115 | 45 | 8.8E-04 | 2.5E+00 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-55 | 44 | 33.3 | -15.0 | less-open | 83 | 314 | 301 | 211 | NSR | NSR | NSR | NSR | 8.8E-04 | 2.5E+00 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-55 | 45 | 33.6 | -15.3 | less-open | 63 | 141 | 128 | 38 | 1 | SE | 116-165 | 49 | 8.8E-04 | 2.5E+00 | 0.3 | 1.3 | -- | -- | -- | -- | -- |
| MW-55 | 46 | 34.3 | -16.0 | less-open | 68 | 316 | 303 | 213 | 2 | NW | 291-335 | 44 | 8.8E-04 | 2.5E+00 | 0.7 | -- | 10.7 | -- | -- | -- | -- |
| MW-55 | 47 | 34.5 | -16.2 | less-open | 63 | 169 | 156 | 66 | 1 | SE | 116-165 | 49 | 8.8E-04 | 2.5E+00 | 0.2 | 0.9 | -- | -- | -- | -- | -- |
| MW-55 | 48 | 35.6 | -17.3 | less-open | 72 | 152 | 139 | 49 | 1 | SE | 116-165 | 49 | TNP | TNP | 1.1 | 1.1 | -- | -- | -- | -- | -- |
| MW-55 | 49 | 35.6 | -17.4 | less-open | 76 | 290 | 277 | 187 | 4 | W | 245-290 | 45 | TNP | TNP | 0.0 | -- | -- | -- | 7.3 | -- | -- |
| MW-55 | 50 | 36.1 | -17.8 | less-open | 40 | 310 | 297 | 207 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.5 | -- | 1.8 | -- | -- | -- | -- |
| MW-55 | 51 | 37.6 | -19.3 | less-open | 53 | 245 | 232 | 142 | NSR | NSR | NSR | NSR | TNP | TNP | 1.5 | -- | -- | -- | -- | -- | -- |
| MW-55 | 52 | 37.8 | -19.6 | less-open | 78 | 141 | 128 | 38 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.2 | 2.2 | -- | -- | -- | -- | -- |
| MW-55 | 53 | 38.5 | -20.3 | less-open | 79 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | TNP | TNP | 0.7 | -- | -- | 5.3 | -- | -- | -- |
| MW-55 | 54 | 39.7 | -21.4 | less-open | 69 | 308 | 295 | 205 | 2 | NW | 291-335 | 44 | TNP | TNP | 1.2 | -- | 3.6 | -- | -- | -- | -- |
| MW-55 | 55 | 41.5 | -23.3 | less-open | 54 | 186 | 173 | 83 | 5 | S | 166-200 | 34 | TNP | TNP | 1.9 | -- | -- | -- | -- | 13.9 | -- |
| MW-55 | 56 | 43.4 | -25.1 | less-open | 64 | 165 | 152 | 62 | 1 | SE | 116-165 | 49 | TNP | TNP | 1.8 | 5.6 | -- | -- | -- | -- | -- |
| MW-55 | 57 | 44.3 | -26.0 | less-open | 64 | 178 | 165 | 75 | 1 | SE | 116-165 | 49 | 1.3E-03 | 3.7E+00 | 0.9 | 0.9 | -- | -- | -- | -- | -- |
| MW-55 | 58 | 45.0 | -26.7 | less-open | 59 | 227 | 214 | 124 | NSR | NSR | NSR | NSR | 1.3E-03 | 3.7E+00 | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-55 | 59 | 45.7 | -27.5 | less-open | 33 | 24 | 11 | 281 | NSR | NSR | NSR | NSR | 1.3E-03 | 3.7E+00 | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-55 | 60 | 45.9 | -27.6 | less-open | 76 | 148 | 135 | 45 | 1 | SE | 116-165 | 49 | 1.3E-03 | 3.7E+00 | 0.2 | 1.6 | -- | -- | -- | -- | -- |
| MW-55 | 61 | 46.1 | -27.8 | less-open | 70 | 204 | 191 | 101 | 5 | S | 166-200 | 34 | 1.3E-03 | 3.7E+00 | 0.2 | -- | -- | -- | -- | 4.5 | -- |
| MW-55 | 62 | 46.1 | -27.9 | less-open | 79 | 333 | 320 | 230 | 2 | NW | 291-335 | 44 | 1.3E-03 | 3.7E+00 | 0.1 | -- | 6.5 | -- | -- | -- | -- |
| MW-55 | 63 | 46.7 | -28.5 | less-open | 45 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | 1.3E-03 | 3.7E+00 | 0.6 | -- | -- | 8.2 | -- | -- | -- |
| MW-55 | 64 | 47.0 | -28.8 | less-open | 51 | 106 | 93 | 3 | 3 | E | 70-115 | 45 | 1.3E-03 | 3.7E+00 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-55 | 65 | 47.5 | -29.2 | open | 21 | 94 | 81 | 351 | NSR | NSR | NSR | NSR | 1.3E-03 | 3.7E+00 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-55 | 66 | 48.7 | -30.5 | less-open | 68 | 71 | 58 | 328 | NSR | NSR | NSR | NSR | 1.3E-03 | 3.7E+00 | 1.3 | -- | -- | -- | -- | -- | -- |
| MW-55 | 67 | 49.4 | -31.1 | less-open | 33 | 249 | 236 | 146 | NSR | NSR | NSR | NSR | 1.3E-03 | 3.7E+00 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-55 | 68 | 49.8 | -31.6 | less-open | 13 | 214 | 201 | 111 | NSR | NSR | NSR | NSR | 1.3E-03 | 3.7E+00 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-55 | 69 | 51.0 | -32.7 | less-open | 55 | 283 | 270 | 180 | 4 | W | 245-290 | 45 | 1.3E-03 | 3.7E+00 | 1.2 | -- | -- | -- | 15.4 | -- | -- |
| MW-55 | 70 | 51.2 | -33.0 | less-open | 49 | 315 | 302 | 212 | 2 | NW | 291-335 | 44 | 1.3E-03 | 3.7E+00 | 0.2 | -- | 5.1 | -- | -- | -- | -- |
| MW-55 | 71 | 51.4 | -33.2 | less-open | 14 | 124 | 111 | 21 | NSR | NSR | NSR | NSR | 1.3E-03 | 3.7E+00 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-55 | 72 | 51.6 | -33.3 | less-open | 53 | 318 | 305 | 215 | 2 | NW | 291-335 | 44 | 1.3E-03 | 3.7E+00 | 0.2 | -- | 0.4 | -- | -- | -- | -- |
| MW-55 | 73 | 52.5 | -34.2 | less-open | 36 | 86 | 73 | 343 | 3 | E | 70-115 | 45 | 1.3E-03 | 3.7E+00 | 0.9 | -- | -- | 5.4 | -- | -- | -- |
| MW-55 | 74 | 52.9 | -34.7 | less-open | 67 | 101 | 88 | 358 | 3 | E | 70-115 | 45 | 1.3E-03 | 3.7E+00 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-55 | 75 | 53.4 | -35.2 | open | 43 | 81 | 68 | 338 | NSR | NSR | NSR | NSR | 1.3E-03 | 3.7E+00 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-55 | 76 | 53.6 | -35.4 | open | 44 | 92 | 79 | 349 | 3 | E | 70-115 | 45 | 1.3E-03 | 3.7E+00 | 0.2 | -- | -- | 0.7 | -- | -- | -- |
| MW-55 | 77 | 54.5 | -36.2 | less-open | 38 | 287 | 274 | 184 | 4 | W | 245-290 | 45 | TNP | TNP | 0.9 | -- | -- | -- | 3.5 | -- | -- |
| MW-55 | 78 | 55.3 | -37.1 | less-open | 17 | 275 | 262 | 172 | NSR | NSR | NSR | NSR | TNP | TNP | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-55 | 79 | 56.8 | -38.6 | less-open | 59 | 64 | 51 | 321 | NSR | NSR | NSR | NSR | TNP | TNP | 1.5 | -- | -- | -- | -- | -- | -- |
| MW-55 | 80 | 57.3 | -39.1 | less-open | 64 | 72 | 59 | 329 | NSR | NSR | NSR | NSR | TNP | TNP | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-55 | 81 | 57.8 | -39.5 | less-open | 59 | 97 | 84 | 354 | 3 | E | 70-115 | 45 | TNP | TNP | 0.4 | -- | -- | 4.2 | -- | -- | -- |
| MW-55 | 82 | 58.6 | -40.3 | less-open | 63 | 303 | 290 | 200 | 4 | W | 245-290 | 45 | TNP | TNP | 0.8 | -- | -- | -- | 4.1 | -- | -- |
| MW-55 | 83 | 59.0 | -40.7 | less-open | 62 | 289 | 276 | 186 | 4 | W | 245-290 | 45 | TNP | TNP | 0.4 | -- | -- | -- | 0.4 | -- | -- |
| MW-55 | 84 | 59.1 | -40.9 | less-open | 63 | 179 | 166 | 76 | 5 | S | 166-200 | 34 | TNP | TNP | 0.2 | -- | -- | -- | -- | 13.1 | -- |
| MW-55 | 85 | 59.9 | -41.7 | less-open | 42 | 321 | 308 | 218 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.8 | -- | 8.3 | -- | -- | -- | -- |
| MW-55 | 86 | 60.4 | -42.1 | less-open | 44 | 175 | 162 | 72 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.5 | 14.5 | -- | -- | -- | -- | -- |
| MW-55 | 87 | 60.4 | -42.2 | less-open | 57 | 315 | 302 | 212 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.1 | -- | 0.5 | -- | -- | -- | -- |
| MW-55 | 88 | 60.5 | -42.2 | less-open | 62 | 79 | 66 | 336 | NSR | NSR | NSR | NSR | TNP | TNP | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-55 | 89 | 60.7 | -42.4 | less-open | 74 | 96 | 83 | 353 | 3 | E | 70-115 | 45 | TNP | TNP | 0.2 | -- | -- | 2.9 | -- | -- | -- |
| MW-55 | 90 | 61.3 | -43.1 | less-open | 76 | 76 | 63 | 333 | NSR | NSR | NSR | NSR | TNP | TNP | 0.6 | -- | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-55 | 91 | 61.4 | -43.2 | less-open | 78 | 103 | 90 | 0 | 3 | E | 70-115 | 45 | TNP | TNP | 0.1 | -- | -- | 0.7 | -- | -- | -- |
| MW-55 | 92 | 61.6 | -43.3 | less-open | 74 | 254 | 241 | 151 | NSR | NSR | NSR | NSR | TNP | TNP | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-55 | 93 | 61.7 | -43.5 | less-open | 66 | 75 | 62 | 332 | NSR | NSR | NSR | NSR | TNP | TNP | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-55 | 94 | 61.8 | -43.6 | less-open | 41 | 290 | 277 | 187 | 4 | W | 245-290 | 45 | TNP | TNP | 0.1 | -- | -- | -- | 2.8 | -- | -- |
| MW-55 | 95 | 62.2 | -44.0 | less-open | 52 | 268 | 255 | 165 | 4 | W | 245-290 | 45 | TNP | TNP | 0.4 | -- | -- | -- | 0.4 | -- | -- |
| MW-55 | 96 | 62.5 | -44.2 | less-open | 51 | 89 | 76 | 346 | 3 | E | 70-115 | 45 | TNP | TNP | 0.2 | -- | -- | 1.1 | -- | -- | -- |
| MW-55 | 97 | 62.7 | -44.5 | less-open | 44 | 311 | 298 | 208 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.2 | -- | 2.3 | -- | -- | -- | -- |
| MW-55 | 98 | 63.3 | -45.0 | less-open | 37 | 304 | 291 | 201 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.5 | -- | 0.5 | -- | -- | -- | -- |
| MW-55 | 99 | 63.4 | -45.1 | less-open | 51 | 88 | 75 | 345 | 3 | E | 70-115 | 45 | TNP | TNP | 0.1 | -- | -- | 0.9 | -- | -- | -- |
| MW-55 | 100 | 63.5 | -45.3 | less-open | 55 | 325 | 312 | 222 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.1 | -- | 0.3 | -- | -- | -- | -- |
| MW-55 | 101 | 63.7 | -45.5 | less-open | 30 | 239 | 226 | 136 | NSR | NSR | NSR | NSR | TNP | TNP | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-55 | 102 | 64.0 | -45.8 | less-open | 74 | 95 | 82 | 352 | 3 | E | 70-115 | 45 | TNP | TNP | 0.3 | -- | -- | 0.7 | -- | -- | -- |
| MW-55 | 103 | 64.4 | -46.1 | less-open | 68 | 87 | 74 | 344 | 3 | E | 70-115 | 45 | TNP | TNP | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-55 | 104 | 64.5 | -46.3 | less-open | 52 | 280 | 267 | 177 | 4 | W | 245-290 | 45 | TNP | TNP | 0.2 | -- | -- | -- | 2.3 | -- | -- |
| MW-55 | 105 | 64.6 | -46.4 | less-open | 48 | 295 | 282 | 192 | 4 | W | 245-290 | 45 | TNP | TNP | 0.1 | -- | -- | -- | 0.1 | -- | -- |
| MW-55 | 106 | 64.9 | -46.7 | less-open | 31 | 75 | 62 | 332 | NSR | NSR | NSR | NSR | TNP | TNP | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-55 | 107 | 65.0 | -46.7 | less-open | 70 | 85 | 72 | 342 | 3 | E | 70-115 | 45 | TNP | TNP | 0.1 | -- | -- | 0.6 | -- | -- | -- |
| MW-55 | 108 | 65.0 | -46.8 | less-open | 78 | 313 | 300 | 210 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.0 | -- | 1.5 | -- | -- | -- | -- |
| MW-55 | 109 | 65.5 | -47.3 | less-open | 52 | 360 | 347 | 257 | 6 | N | 336-21 | 45 | TNP | TNP | 0.5 | -- | -- | -- | -- | -- | 46.1 |
| MW-55 | 110 | 65.8 | -47.5 | less-open | 79 | 170 | 157 | 67 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.2 | 5.4 | -- | -- | -- | -- | -- |
| MW-55 | 111 | 65.9 | -47.6 | less-open | 44 | 324 | 311 | 221 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.1 | -- | 0.8 | -- | -- | -- | -- |
| MW-55 | 112 | 66.1 | -47.8 | less-open | 52 | 106 | 93 | 3 | 3 | E | 70-115 | 45 | TNP | TNP | 0.2 | -- | -- | 1.1 | -- | -- | -- |
| MW-55 | 113 | 66.3 | -48.0 | less-open | 69 | 62 | 49 | 319 | NSR | NSR | NSR | NSR | TNP | TNP | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-55 | 114 | 66.7 | -48.5 | less-open | 50 | 340 | 327 | 237 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.5 | -- | 0.9 | -- | -- | -- | -- |
| MW-55 | 115 | 67.0 | -48.7 | less-open | 56 | 359 | 346 | 256 | 6 | N | 336-21 | 45 | TNP | TNP | 0.2 | -- | -- | -- | -- | -- | 1.5 |
| MW-55 | 116 | 67.3 | -49.1 | less-open | 57 | 6 | 353 | 263 | 6 | N | 336-21 | 45 | TNP | TNP | 0.4 | -- | -- | -- | -- | -- | 0.4 |
| MW-55 | 117 | 67.8 | -49.5 | less-open | 55 | 1 | 348 | 258 | 6 | N | 336-21 | 45 | TNP | TNP | 0.4 | -- | -- | -- | -- | -- | 0.4 |
| MW-55 | 118 | 68.1 | -49.8 | less-open | 47 | 5 | 352 | 262 | 6 | N | 336-21 | 45 | TNP | TNP | 0.3 | -- | -- | -- | -- | -- | 0.3 |
| MW-55 | 119 | 68.4 | -50.1 | less-open | 47 | 339 | 326 | 236 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.3 | -- | 1.6 | -- | -- | -- | -- |
| MW-55 | 120 | 68.6 | -50.3 | less-open | 72 | 208 | 195 | 105 | 5 | S | 166-200 | 34 | TNP | TNP | 0.2 | -- | -- | -- | -- | 9.5 | -- |
| MW-55 | 121 | 69.2 | -51.0 | less-open | 48 | 302 | 289 | 199 | 4 | W | 245-290 | 45 | TNP | TNP | 0.7 | -- | -- | -- | 4.6 | -- | -- |
| MW-55 | 122 | 69.8 | -51.5 | less-open | 57 | 122 | 109 | 19 | 3 | E | 70-115 | 45 | TNP | TNP | 0.5 | -- | -- | 3.7 | -- | -- | -- |
| MW-55 | 123 | 69.9 | -51.6 | less-open | 60 | 201 | 188 | 98 | 5 | S | 166-200 | 34 | TNP | TNP | 0.1 | -- | -- | -- | -- | 1.3 | -- |
| MW-55 | 124 | 70.6 | -52.3 | less-open | 39 | 295 | 282 | 192 | 4 | W | 245-290 | 45 | TNP | TNP | 0.7 | -- | -- | -- | 1.3 | -- | -- |
| MW-55 | 125 | 71.1 | -52.8 | less-open | 27 | 270 | 257 | 167 | NSR | NSR | NSR | NSR | TNP | TNP | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-55 | 126 | 71.4 | -53.2 | less-open | 48 | 188 | 175 | 85 | 5 | S | 166-200 | 34 | TNP | TNP | 0.3 | -- | -- | -- | -- | 1.6 | -- |
| MW-55 | 127 | 71.8 | -53.5 | less-open | 60 | 203 | 190 | 100 | 5 | S | 166-200 | 34 | TNP | TNP | 0.3 | -- | -- | -- | -- | 0.3 | -- |
| MW-55 | 128 | 72.1 | -53.9 | less-open | 66 | 93 | 80 | 350 | 3 | E | 70-115 | 45 | TNP | TNP | 0.4 | -- | -- | 2.4 | -- | -- | -- |
| MW-55 | 129 | 72.4 | -54.2 | less-open | 56 | 187 | 174 | 84 | 5 | S | 166-200 | 34 | TNP | TNP | 0.3 | -- | -- | -- | -- | 0.7 | -- |
| MW-55 | 130 | 73.9 | -55.7 | less-open | 27 | 255 | 242 | 152 | NSR | NSR | NSR | NSR | TNP | TNP | 1.5 | -- | -- | -- | -- | -- | -- |
| MW-55 | 131 | 74.1 | -55.8 | less-open | 60 | 179 | 166 | 76 | 5 | S | 166-200 | 34 | TNP | TNP | 0.1 | -- | -- | -- | -- | 1.7 | -- |
| MW-55 | 132 | 74.3 | -56.0 | less-open | 60 | 163 | 150 | 60 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.2 | 8.5 | -- | -- | -- | -- | -- |
| MW-55 | 133 | 74.7 | -56.5 | less-open | 47 | 330 | 317 | 227 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.4 | -- | 6.4 | -- | -- | -- | -- |
| MW-55 | 134 | 75.3 | -57.0 | less-open | 53 | 332 | 319 | 229 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.5 | -- | 0.5 | -- | -- | -- | -- |
| MW-55 | 135 | 76.0 | -57.7 | less-open | 5 | 307 | 294 | 204 | NSR | NSR | NSR | NSR | TNP | TNP | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-55 | 136 | 76.2 | -57.9 | less-open | 7 | 297 | 284 | 194 | NSR | NSR | NSR | NSR | TNP | TNP | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-55 | 137 | 76.6 | -58.3 | less-open | 12 | 175 | 162 | 72 | NSR | NSR | NSR | NSR | TNP | TNP | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-56 | 1 | 31.02 | 39.2 | less-open | 78 | 193 | 180 | 90 | 5 | S | 166-200 | 34 | TNP | TNP | NA | -- | -- | -- | -- | 31.0 | -- |
| MW-56 | 2 | 32.45 | 37.81 | less-open | 52 | 173 | 160 | 70 | 1 | SE | 116-165 | 49 | TNP | TNP | 1.4 | 32.5 | -- | -- | -- | -- | -- |
| MW-56 | 3 | 32.56 | 37.7 | less-open | 80 | 223 | 210 | 120 | NSR | NSR | NSR | NSR | TNP | TNP | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-56 | 4 | 32.91 | 37.35 | less-open | 79 | 228 | 215 | 125 | NSR | NSR | NSR | NSR | TNP | TNP | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-56 | 5 | 33.01 | 37.25 | less-open | 74 | 12 | 359 | 269 | 6 | N | 336-21 | 45 | TNP | TNP | 0.1 | -- | -- | -- | -- | -- | 33.0 |
| MW-56 | 6 | 33.68 | 36.58 | less-open | 40 | 338 | 325 | 235 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.7 | -- | 33.7 | -- | -- | -- | -- |
| MW-56 | 7 | 35.65 | 34.61 | less-open | 20 | 144 | 131 | 41 | NSR | NSR | NSR | NSR | TNP | TNP | 2.0 | -- | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] Number | Dip Direction | Azimuth Range | Azimuth Delta | Hydraulic Conductivity Test Result[7] (k) cm/s | ft/day | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW-56 | 8 | 36.9 | 33.36 | less-open | 64 | 147 | 134 | 44 | 1 | SE | 116-165 | 49 | TNP | TNP | 1.3 | 4.5 | -- | -- | -- | -- | -- |
| MW-56 | 9 | 37.81 | 32.45 | less-open | 50 | 347 | 334 | 244 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.9 | -- | 4.1 | -- | -- | -- | -- |
| MW-56 | 10 | 38.79 | 31.47 | less-open | 73 | 5 | 352 | 262 | 6 | N | 336-21 | 45 | TNP | TNP | 1.0 | -- | -- | -- | -- | -- | 5.8 |
| MW-56 | 11 | 39.83 | 30.43 | less-open | 30 | 86 | 73 | 343 | NSR | NSR | NSR | NSR | TNP | TNP | 1.0 | -- | -- | -- | -- | -- | -- |
| MW-56 | 12 | 40.01 | 30.25 | less-open | 34 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | TNP | TNP | 0.2 | -- | -- | 40.0 | -- | -- | -- |
| MW-56 | 13 | 41.21 | 29.05 | less-open | 67 | 13 | 0 | 270 | 6 | N | 336-21 | 45 | TNP | TNP | 1.2 | -- | -- | -- | -- | -- | 2.4 |
| MW-56 | 14 | 41.71 | 28.55 | less-open | 52 | 301 | 288 | 198 | 4 | W | 245-290 | 45 | TNP | TNP | 0.5 | -- | -- | -- | 41.7 | -- | -- |
| MW-56 | 15 | 42.54 | 27.72 | less-open | 60 | 2 | 349 | 259 | 6 | N | 336-21 | 45 | TNP | TNP | 0.8 | -- | -- | -- | -- | -- | 1.3 |
| MW-56 | 16 | 42.6 | 27.66 | open | 64 | 155 | 142 | 52 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.1 | 5.7 | -- | -- | -- | -- | -- |
| MW-56 | 17 | 43.33 | 26.93 | less-open | 20 | 80 | 67 | 337 | NSR | NSR | NSR | NSR | TNP | TNP | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-56 | 18 | 43.83 | 26.43 | less-open | 65 | 1 | 348 | 258 | 6 | N | 336-21 | 45 | TNP | TNP | 0.5 | -- | -- | -- | -- | -- | 1.3 |
| MW-56 | 19 | 44.42 | 25.84 | less-open | 69 | 1 | 348 | 258 | 6 | N | 336-21 | 45 | TNP | TNP | 0.6 | -- | -- | -- | -- | -- | 0.6 |
| MW-56 | 20 | 44.83 | 25.43 | less-open | 67 | 176 | 163 | 73 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.4 | 2.2 | -- | -- | -- | -- | -- |
| MW-56 | 21 | 45.02 | 25.24 | less-open | 66 | 4 | 351 | 261 | 6 | N | 336-21 | 45 | TNP | TNP | 0.2 | -- | -- | -- | -- | -- | 0.6 |
| MW-56 | 22 | 45.29 | 24.97 | less-open | 71 | 7 | 354 | 264 | 6 | N | 336-21 | 45 | TNP | TNP | 0.3 | -- | -- | -- | -- | -- | 0.3 |
| MW-56 | 23 | 45.7 | 24.56 | less-open | 74 | 8 | 355 | 265 | 6 | N | 336-21 | 45 | TNP | TNP | 0.4 | -- | -- | -- | -- | -- | 0.4 |
| MW-56 | 24 | 46.96 | 23.3 | less-open | 36 | 173 | 160 | 70 | 1 | SE | 116-165 | 49 | TNP | TNP | 1.3 | 2.1 | -- | -- | -- | -- | -- |
| MW-56 | 25 | 47.05 | 23.21 | less-open | 71 | 10 | 357 | 267 | 6 | N | 336-21 | 45 | TNP | TNP | 0.1 | -- | -- | -- | -- | -- | 1.3 |
| MW-56 | 26 | 48.1 | 22.16 | less-open | 18 | 167 | 154 | 64 | NSR | NSR | NSR | NSR | TNP | TNP | 1.1 | -- | -- | -- | -- | -- | -- |
| MW-56 | 27 | 48.39 | 21.87 | less-open | 75 | 4 | 351 | 261 | 6 | N | 336-21 | 45 | TNP | TNP | 0.3 | -- | -- | -- | -- | -- | 1.3 |
| MW-56 | 28 | 50.31 | 19.95 | less-open | 15 | 212 | 199 | 109 | NSR | NSR | NSR | NSR | TNP | TNP | 1.9 | -- | -- | -- | -- | -- | -- |
| MW-56 | 29 | 51.62 | 18.64 | less-open | 3 | 188 | 175 | 85 | NSR | NSR | NSR | NSR | TNP | TNP | 1.3 | -- | -- | -- | -- | -- | -- |
| MW-56 | 30 | 51.7 | 18.56 | less-open | 6 | 330 | 317 | 227 | NSR | NSR | NSR | NSR | TNP | TNP | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-56 | 31 | 51.78 | 18.48 | less-open | 8 | 156 | 143 | 53 | NSR | NSR | NSR | NSR | TNP | TNP | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-56 | 32 | 51.94 | 18.32 | less-open | 9 | 10 | 357 | 267 | NSR | NSR | NSR | NSR | TNP | TNP | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-56 | 33 | 52.5 | 17.76 | less-open | 66 | 6 | 353 | 263 | 6 | N | 336-21 | 45 | TNP | TNP | 0.6 | -- | -- | -- | -- | -- | 4.1 |
| MW-56 | 34 | 52.84 | 17.42 | less-open | 5 | 198 | 185 | 95 | NSR | NSR | NSR | NSR | TNP | TNP | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-56 | 35 | 53.2 | 17.06 | less-open | 62 | 221 | 208 | 118 | NSR | NSR | NSR | NSR | TNP | TNP | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-56 | 36 | 53.68 | 16.58 | less-open | 44 | 341 | 328 | 238 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.5 | -- | 15.9 | -- | -- | -- | -- |
| MW-56 | 37 | 54.13 | 16.13 | less-open | 13 | 121 | 108 | 18 | NSR | NSR | NSR | NSR | TNP | TNP | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-56 | 38 | 56.09 | 14.17 | less-open | 38 | 331 | 318 | 228 | 2 | NW | 291-335 | 44 | TNP | TNP | 2.0 | -- | 2.4 | -- | -- | -- | -- |
| MW-56 | 39 | 57.17 | 13.09 | less-open | 53 | 352 | 339 | 249 | 6 | N | 336-21 | 45 | TNP | TNP | 1.1 | -- | -- | -- | -- | -- | 4.7 |
| MW-56 | 40 | 57.2 | 13.06 | less-open | 48 | 321 | 308 | 218 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.0 | -- | 1.1 | -- | -- | -- | -- |
| MW-56 | 41 | 57.22 | 13.04 | less-open | 37 | 204 | 191 | 101 | 5 | S | 166-200 | 34 | TNP | TNP | 0.0 | -- | -- | -- | -- | 26.2 | -- |
| MW-56 | 42 | 57.59 | 12.67 | less-open | 70 | 201 | 188 | 98 | 5 | S | 166-200 | 34 | TNP | TNP | 0.4 | -- | -- | -- | -- | 0.4 | -- |
| MW-56 | 43 | 57.62 | 12.64 | less-open | 15 | 290 | 277 | 187 | NSR | NSR | NSR | NSR | TNP | TNP | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-56 | 44 | 58.17 | 12.09 | less-open | 78 | 208 | 195 | 105 | 5 | S | 166-200 | 34 | TNP | TNP | 0.6 | -- | -- | -- | -- | 0.6 | -- |
| MW-56 | 45 | 59.12 | 11.14 | less-open | 8 | 85 | 72 | 342 | NSR | NSR | NSR | NSR | TNP | TNP | 0.9 | -- | -- | -- | -- | -- | -- |
| MW-56 | 46 | 59.84 | 10.42 | less-open | 74 | 119 | 106 | 16 | 3 | E | 70-115 | 45 | TNP | TNP | 0.7 | -- | -- | 19.8 | -- | -- | -- |
| MW-56 | 47 | 60.9 | 9.36 | less-open | 46 | 341 | 328 | 238 | 2 | NW | 291-335 | 44 | TNP | TNP | 1.1 | -- | 3.7 | -- | -- | -- | -- |
| MW-56 | 48 | 61.1 | 9.16 | less-open | 69 | 221 | 208 | 118 | NSR | NSR | NSR | NSR | TNP | TNP | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-56 | 49 | 61.53 | 8.73 | less-open | 62 | 223 | 210 | 120 | NSR | NSR | NSR | NSR | TNP | TNP | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-56 | 50 | 61.69 | 8.57 | less-open | 57 | 234 | 221 | 131 | NSR | NSR | NSR | NSR | TNP | TNP | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-56 | 51 | 61.8 | 8.46 | less-open | 9 | 28 | 15 | 285 | NSR | NSR | NSR | NSR | TNP | TNP | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-56 | 52 | 61.86 | 8.4 | less-open | 27 | 147 | 134 | 44 | NSR | NSR | NSR | NSR | TNP | TNP | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-56 | 53 | 62.52 | 7.74 | less-open | 41 | 357 | 344 | 254 | 6 | N | 336-21 | 45 | TNP | TNP | 0.7 | -- | -- | -- | -- | -- | 5.4 |
| MW-56 | 54 | 62.52 | 7.74 | less-open | 68 | 143 | 130 | 40 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.0 | 15.6 | -- | -- | -- | -- | -- |
| MW-56 | 55 | 63.1 | 7.16 | less-open | 36 | 275 | 262 | 172 | 4 | W | 245-290 | 45 | TNP | TNP | 0.6 | -- | -- | -- | 21.4 | -- | -- |
| MW-56 | 56 | 63.33 | 6.93 | less-open | 32 | 34 | 21 | 291 | NSR | NSR | NSR | NSR | TNP | TNP | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-56 | 57 | 63.94 | 6.32 | less-open | 37 | 307 | 294 | 204 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.6 | -- | 3.0 | -- | -- | -- | -- |
| MW-56 | 58 | 64.5 | 5.76 | less-open | 53 | 303 | 290 | 200 | 4 | W | 245-290 | 45 | TNP | TNP | 0.6 | -- | -- | -- | 1.4 | -- | -- |
| MW-56 | 59 | 65.12 | 5.14 | less-open | 59 | 172 | 159 | 69 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.6 | 2.6 | -- | -- | -- | -- | -- |
| MW-56 | 60 | 65.4 | 4.86 | less-open | 58 | 175 | 162 | 72 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-56 | 61 | 66.67 | 3.59 | less-open | 61 | 328 | 315 | 225 | 2 | NW | 291-335 | 44 | TNP | TNP | 1.3 | -- | 2.7 | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-56 | 62 | 67.98 | 2.28 | less-open | 66 | 274 | 261 | 171 | 4 | W | 245-290 | 45 | TNP | TNP | 1.3 | -- | -- | -- | 3.5 | -- | -- |
| MW-56 | 63 | 68.04 | 2.22 | less-open | 63 | 275 | 262 | 172 | 4 | W | 245-290 | 45 | TNP | TNP | 0.1 | -- | -- | -- | 0.1 | -- | -- |
| MW-56 | 64 | 68.71 | 1.55 | less-open | 57 | 231 | 218 | 128 | NSR | NSR | NSR | NSR | TNP | TNP | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-56 | 65 | 69.08 | 1.18 | less-open | 8 | 271 | 258 | 168 | NSR | NSR | NSR | NSR | TNP | TNP | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-56 | 66 | 69.29 | 0.97 | less-open | 8 | 340 | 327 | 237 | NSR | NSR | NSR | NSR | TNP | TNP | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-56 | 67 | 69.45 | 0.81 | less-open | 50 | 173 | 160 | 70 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.2 | 4.1 | -- | -- | -- | -- | -- |
| MW-56 | 68 | 69.86 | 0.4 | less-open | 8 | 236 | 223 | 133 | NSR | NSR | NSR | NSR | TNP | TNP | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-56 | 69 | 69.97 | 0.29 | less-open | 18 | 326 | 313 | 223 | NSR | NSR | NSR | NSR | TNP | TNP | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-56 | 70 | 70.17 | 0.09 | less-open | 58 | 277 | 264 | 174 | 4 | W | 245-290 | 45 | 0.0 | 9.0E-01 | 0.2 | -- | -- | -- | 2.1 | -- | -- |
| MW-56 | 71 | 70.2 | 0.06 | less-open | 72 | 176 | 163 | 73 | 1 | SE | 116-165 | 49 | 0.0 | 9.0E-01 | 0.0 | 0.8 | -- | -- | -- | -- | -- |
| MW-56 | 72 | 70.33 | -0.07 | less-open | 46 | 29 | 16 | 286 | 6 | N | 336-21 | 45 | 0.0 | 9.0E-01 | 0.1 | -- | -- | -- | -- | -- | 7.8 |
| MW-56 | 73 | 70.92 | -0.66 | less-open | 6 | 295 | 282 | 192 | NSR | NSR | NSR | NSR | 0.0 | 9.0E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-56 | 74 | 71 | -0.74 | less-open | 23 | 314 | 301 | 211 | NSR | NSR | NSR | NSR | 0.0 | 9.0E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-56 | 75 | 71.02 | -0.76 | less-open | 66 | 295 | 282 | 192 | 4 | W | 245-290 | 45 | 0.0 | 9.0E-01 | 0.0 | -- | -- | -- | 0.8 | -- | -- |
| MW-56 | 76 | 71.54 | -1.28 | less-open | 18 | 278 | 265 | 175 | NSR | NSR | NSR | NSR | 0.0 | 9.0E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-56 | 77 | 71.57 | -1.31 | less-open | 76 | 179 | 166 | 76 | 5 | S | 166-200 | 34 | 0.0 | 9.0E-01 | 0.0 | -- | -- | -- | -- | 13.4 | -- |
| MW-56 | 78 | 71.68 | -1.42 | less-open | 39 | 351 | 338 | 248 | 6 | N | 336-21 | 45 | 0.0 | 9.0E-01 | 0.1 | -- | -- | -- | -- | -- | 1.4 |
| MW-56 | 79 | 71.8 | -1.54 | less-open | 36 | 19 | 6 | 276 | 6 | N | 336-21 | 45 | 0.0 | 9.0E-01 | 0.1 | -- | -- | -- | -- | -- | 0.1 |
| MW-56 | 80 | 72.66 | -2.4 | less-open | 17 | 293 | 280 | 190 | NSR | NSR | NSR | NSR | 0.0 | 9.0E-01 | 0.9 | -- | -- | -- | -- | -- | -- |
| MW-56 | 81 | 72.85 | -2.59 | less-open | 79 | 220 | 207 | 117 | NSR | NSR | NSR | NSR | 0.0 | 9.0E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-56 | 82 | 73.3 | -3.04 | less-open | 78 | 224 | 211 | 121 | NSR | NSR | NSR | NSR | 0.0 | 9.0E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-56 | 83 | 73.49 | -3.23 | less-open | 26 | 219 | 206 | 116 | NSR | NSR | NSR | NSR | 0.0 | 9.0E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-56 | 84 | 73.79 | -3.53 | less-open | 33 | 1 | 348 | 258 | NSR | NSR | NSR | NSR | 0.0 | 9.0E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-56 | 85 | 73.93 | -3.67 | less-open | 63 | 171 | 158 | 68 | 1 | SE | 116-165 | 49 | 0.0 | 9.0E-01 | 0.1 | 3.7 | -- | -- | -- | -- | -- |
| MW-56 | 86 | 74.41 | -4.15 | less-open | 52 | 273 | 260 | 170 | 4 | W | 245-290 | 45 | 0.0 | 9.0E-01 | 0.5 | -- | -- | -- | 3.4 | -- | -- |
| MW-56 | 87 | 74.73 | -4.47 | less-open | 45 | 254 | 241 | 151 | NSR | NSR | NSR | NSR | 0.0 | 9.0E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-56 | 88 | 75.28 | -5.02 | less-open | 75 | 142 | 129 | 39 | 1 | SE | 116-165 | 49 | 0.0 | 9.0E-01 | 0.5 | 1.3 | -- | -- | -- | -- | -- |
| MW-56 | 89 | 75.59 | -5.33 | less-open | 24 | 352 | 339 | 249 | NSR | NSR | NSR | NSR | 0.0 | 9.0E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-56 | 90 | 75.77 | -5.51 | less-open | 61 | 206 | 193 | 103 | 5 | S | 166-200 | 34 | 0.0 | 9.0E-01 | 0.2 | -- | -- | -- | -- | 4.2 | -- |
| MW-56 | 91 | 76.08 | -5.82 | less-open | 71 | 171 | 158 | 68 | 1 | SE | 116-165 | 49 | 0.0 | 9.0E-01 | 0.3 | 0.8 | -- | -- | -- | -- | -- |
| MW-56 | 92 | 76.61 | -6.35 | less-open | 58 | 264 | 251 | 161 | 4 | W | 245-290 | 45 | 0.0 | 9.0E-01 | 0.5 | -- | -- | -- | 2.2 | -- | -- |
| MW-56 | 93 | 76.96 | -6.7 | less-open | 57 | 258 | 245 | 155 | 4 | W | 245-290 | 45 | 0.0 | 9.0E-01 | 0.3 | -- | -- | -- | 0.3 | -- | -- |
| MW-56 | 94 | 77.04 | -6.78 | less-open | 24 | 93 | 80 | 350 | NSR | NSR | NSR | NSR | 0.0 | 9.0E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-56 | 95 | 77.07 | -6.81 | less-open | 57 | 263 | 250 | 160 | 4 | W | 245-290 | 45 | 0.0 | 9.0E-01 | 0.0 | -- | -- | -- | 0.1 | -- | -- |
| MW-56 | 96 | 77.33 | -7.07 | less-open | 49 | 170 | 157 | 67 | 1 | SE | 116-165 | 49 | 0.0 | 9.0E-01 | 0.3 | 1.3 | -- | -- | -- | -- | -- |
| MW-56 | 97 | 77.53 | -7.27 | less-open | 61 | 204 | 191 | 101 | 5 | S | 166-200 | 34 | 0.0 | 9.0E-01 | 0.2 | -- | -- | -- | -- | 1.8 | -- |
| MW-56 | 98 | 77.54 | -7.28 | less-open | 59 | 187 | 174 | 84 | 5 | S | 166-200 | 34 | 0.0 | 9.0E-01 | 0.0 | -- | -- | -- | -- | 0.0 | -- |
| MW-56 | 99 | 78.64 | -8.38 | less-open | 72 | 162 | 149 | 59 | 1 | SE | 116-165 | 49 | 0.0 | 9.0E-01 | 1.1 | 1.3 | -- | -- | -- | -- | -- |
| MW-56 | 100 | 78.8 | -8.54 | less-open | 83 | 357 | 344 | 254 | NSR | NSR | NSR | NSR | 0.0 | 9.0E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-56 | 101 | 78.92 | -8.66 | less-open | 55 | 162 | 149 | 59 | 1 | SE | 116-165 | 49 | 0.0 | 9.0E-01 | 0.1 | 0.3 | -- | -- | -- | -- | -- |
| MW-56 | 102 | 79.13 | -8.87 | less-open | 80 | 171 | 158 | 68 | 1 | SE | 116-165 | 49 | 0.0 | 9.0E-01 | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-56 | 103 | 79.25 | -8.99 | less-open | 64 | 179 | 166 | 76 | 5 | S | 166-200 | 34 | 0.0 | 9.0E-01 | 0.1 | -- | -- | -- | -- | 1.7 | -- |
| MW-56 | 104 | 79.39 | -9.13 | less-open | 79 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | 0.0 | 9.0E-01 | 0.1 | -- | -- | 19.6 | -- | -- | -- |
| MW-56 | 105 | 79.77 | -9.51 | less-open | 40 | 256 | 243 | 153 | NSR | NSR | NSR | NSR | 0.0 | 9.0E-01 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-56 | 106 | 79.96 | -9.7 | less-open | 51 | 172 | 159 | 69 | 1 | SE | 116-165 | 49 | 0.0 | 9.0E-01 | 0.2 | 0.8 | -- | -- | -- | -- | -- |
| MW-56 | 107 | 80.5 | -10.24 | less-open | 24 | 175 | 162 | 72 | NSR | NSR | NSR | NSR | 0.0 | 9.0E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-56 | 108 | 80.66 | -10.4 | less-open | 71 | 178 | 165 | 75 | 1 | SE | 116-165 | 49 | 0.0 | 9.0E-01 | 0.2 | 0.7 | -- | -- | -- | -- | -- |
| MW-56 | 109 | 80.75 | -10.49 | less-open | 35 | 221 | 208 | 118 | NSR | NSR | NSR | NSR | 0.0 | 9.0E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-56 | 110 | 80.83 | -10.57 | less-open | 53 | 318 | 305 | 215 | 2 | NW | 291-335 | 44 | 0.0 | 9.0E-01 | 0.1 | -- | 14.2 | -- | -- | -- | -- |
| MW-56 | 111 | 80.98 | -10.72 | less-open | 78 | 178 | 165 | 75 | 1 | SE | 116-165 | 49 | 0.0 | 9.0E-01 | 0.2 | 0.3 | -- | -- | -- | -- | -- |
| MW-56 | 112 | 81.11 | -10.85 | less-open | 53 | 239 | 226 | 136 | NSR | NSR | NSR | NSR | 0.0 | 9.0E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-56 | 113 | 81.19 | -10.93 | less-open | 75 | 180 | 167 | 77 | 5 | S | 166-200 | 34 | 0.0 | 9.0E-01 | 0.1 | -- | -- | -- | -- | 1.9 | -- |
| MW-56 | 114 | 81.58 | -11.32 | less-open | 73 | 181 | 168 | 78 | 5 | S | 166-200 | 34 | 0.0 | 9.0E-01 | 0.4 | -- | -- | -- | -- | 0.4 | -- |
| MW-56 | 115 | 81.72 | -11.46 | less-open | 36 | 174 | 161 | 71 | 1 | SE | 116-165 | 49 | 0.0 | 9.0E-01 | 0.1 | 0.7 | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-56 | 116 | 81.9 | -11.64 | less-open | 71 | 155 | 142 | 52 | 1 | SE | 116-165 | 49 | 0.0 | 9.0E-01 | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-56 | 117 | 83.01 | -12.75 | less-open | 80 | 186 | 173 | 83 | 5 | S | 166-200 | 34 | 0.0 | 9.0E-01 | 1.1 | -- | -- | -- | -- | 1.4 | -- |
| MW-56 | 118 | 83.93 | -13.67 | less-open | 59 | 150 | 137 | 47 | 1 | SE | 116-165 | 49 | 0.0 | 9.0E-01 | 0.9 | 2.0 | -- | -- | -- | -- | -- |
| MW-56 | 119 | 84.27 | -14.01 | less-open | 31 | 229 | 216 | 126 | NSR | NSR | NSR | NSR | 0.0 | 9.0E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-56 | 120 | 84.28 | -14.02 | less-open | 67 | 342 | 329 | 239 | 2 | NW | 291-335 | 44 | 0.0 | 9.0E-01 | 0.0 | -- | 3.5 | -- | -- | -- | -- |
| MW-56 | 121 | 84.59 | -14.33 | less-open | 39 | 221 | 208 | 118 | NSR | NSR | NSR | NSR | 0.0 | 9.0E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-56 | 122 | 84.86 | -14.6 | less-open | 54 | 207 | 194 | 104 | 5 | S | 166-200 | 34 | 0.0 | 9.0E-01 | 0.3 | -- | -- | -- | -- | 1.8 | -- |
| MW-56 | 123 | 85.35 | -15.09 | less-open | 63 | 236 | 223 | 133 | NSR | NSR | NSR | NSR | TNP | TNP | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-56 | 124 | 85.61 | -15.35 | less-open | 90 | 60 | 47 | 317 | NSR | NSR | NSR | NSR | TNP | TNP | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-56 | 125 | 86.14 | -15.88 | less-open | 87 | 71 | 58 | 328 | NSR | NSR | NSR | NSR | TNP | TNP | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-56 | 126 | 86.51 | -16.25 | less-open | 90 | 216 | 203 | 113 | NSR | NSR | NSR | NSR | TNP | TNP | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-57 | 1 | 6.17 | 8.81 | less-open | 78 | 133 | 120 | 30 | 1 | SE | 116-165 | 49 | 0.0 | 3.8E-01 | NA | 6.2 | -- | -- | -- | -- | -- |
| MW-57 | 2 | 6.44 | 8.54 | open | 16 | 65 | 52 | 322 | NSR | NSR | NSR | NSR | 0.0 | 3.8E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-57 | 3 | 6.61 | 8.37 | less-open | 5 | 300 | 287 | 197 | NSR | NSR | NSR | NSR | 0.0 | 3.8E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-57 | 4 | 6.88 | 8.1 | less-open | 44 | 162 | 149 | 59 | 1 | SE | 116-165 | 49 | 0.0 | 3.8E-01 | 0.3 | 0.7 | -- | -- | -- | -- | -- |
| MW-57 | 5 | 7.36 | 7.62 | less-open | 37 | 235 | 222 | 132 | NSR | NSR | NSR | NSR | 0.0 | 3.8E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-57 | 6 | 7.46 | 7.52 | less-open | 16 | 42 | 29 | 299 | NSR | NSR | NSR | NSR | 0.0 | 3.8E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-57 | 7 | 7.75 | 7.23 | less-open | 22 | 26 | 13 | 283 | NSR | NSR | NSR | NSR | 0.0 | 3.8E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-57 | 8 | 7.86 | 7.12 | open | 9 | 336 | 323 | 233 | NSR | NSR | NSR | NSR | 0.0 | 3.8E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-57 | 9 | 8.53 | 6.45 | less-open | 16 | 345 | 332 | 242 | NSR | NSR | NSR | NSR | 0.0 | 3.8E-01 | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-57 | 10 | 9.12 | 5.86 | less-open | 73 | 254 | 241 | 151 | NSR | NSR | NSR | NSR | 0.0 | 3.8E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-57 | 11 | 9.44 | 5.54 | less-open | 48 | 352 | 339 | 249 | 6 | N | 336-21 | 45 | 0.0 | 3.8E-01 | 0.3 | -- | -- | -- | -- | -- | 9.4 |
| MW-57 | 12 | 10.25 | 4.73 | less-open | 29 | 46 | 33 | 303 | NSR | NSR | NSR | NSR | 0.0 | 3.8E-01 | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-57 | 13 | 10.52 | 4.46 | less-open | 18 | 40 | 27 | 297 | NSR | NSR | NSR | NSR | 0.0 | 3.8E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-57 | 14 | 10.74 | 4.24 | less-open | 21 | 356 | 343 | 253 | NSR | NSR | NSR | NSR | 0.0 | 3.8E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-57 | 15 | 10.87 | 4.11 | less-open | 31 | 15 | 2 | 272 | NSR | NSR | NSR | NSR | 0.0 | 3.8E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-57 | 16 | 11.03 | 3.95 | open | 25 | 29 | 16 | 286 | NSR | NSR | NSR | NSR | 0.0 | 3.8E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-57 | 17 | 11.12 | 3.86 | less-open | 27 | 308 | 295 | 205 | NSR | NSR | NSR | NSR | TNP | TNP | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-57 | 18 | 11.24 | 3.74 | less-open | 27 | 332 | 319 | 229 | NSR | NSR | NSR | NSR | TNP | TNP | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-57 | 19 | 11.41 | 3.57 | less-open | 56 | 99 | 86 | 356 | 3 | E | 70-115 | 45 | TNP | TNP | 0.2 | -- | -- | 11.4 | -- | -- | -- |
| MW-57 | 20 | 11.99 | 2.99 | less-open | 62 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | TNP | TNP | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-57 | 21 | 12.2 | 2.78 | less-open | 18 | 356 | 343 | 253 | NSR | NSR | NSR | NSR | TNP | TNP | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-57 | 22 | 12.7 | 2.28 | less-open | 11 | 41 | 28 | 298 | NSR | NSR | NSR | NSR | TNP | TNP | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-57 | 23 | 13.42 | 1.56 | less-open | 68 | 98 | 85 | 355 | 3 | E | 70-115 | 45 | TNP | TNP | 0.7 | -- | -- | 1.4 | -- | -- | -- |
| MW-57 | 24 | 15.9 | -0.92 | less-open | 16 | 314 | 301 | 211 | NSR | NSR | NSR | NSR | 0.0 | 3.2E+00 | 2.5 | -- | -- | -- | -- | -- | -- |
| MW-57 | 25 | 16.34 | -1.36 | less-open | 16 | 4 | 351 | 261 | NSR | NSR | NSR | NSR | 0.0 | 3.2E+00 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-57 | 26 | 16.34 | -1.36 | less-open | 80 | 106 | 93 | 3 | 3 | E | 70-115 | 45 | 0.0 | 3.2E+00 | 0.0 | -- | -- | 2.9 | -- | -- | -- |
| MW-57 | 27 | 17.61 | -2.63 | less-open | 16 | 355 | 342 | 252 | NSR | NSR | NSR | NSR | 0.0 | 3.2E+00 | 1.3 | -- | -- | -- | -- | -- | -- |
| MW-57 | 28 | 18.44 | -3.46 | less-open | 56 | 172 | 159 | 69 | 1 | SE | 116-165 | 49 | 0.0 | 3.2E+00 | 0.8 | 11.6 | -- | -- | -- | -- | -- |
| MW-57 | 29 | 19.58 | -4.6 | less-open | 32 | 292 | 279 | 189 | NSR | NSR | NSR | NSR | 0.0 | 3.2E+00 | 1.1 | -- | -- | -- | -- | -- | -- |
| MW-57 | 30 | 19.82 | -4.84 | less-open | 68 | 90 | 77 | 347 | 3 | E | 70-115 | 45 | 0.0 | 3.2E+00 | 0.2 | -- | -- | 3.5 | -- | -- | -- |
| MW-57 | 31 | 21.17 | -6.19 | less-open | 26 | 8 | 355 | 265 | NSR | NSR | NSR | NSR | 0.0 | 3.2E+00 | 1.4 | -- | -- | -- | -- | -- | -- |
| MW-57 | 32 | 21.76 | -6.78 | less-open | 16 | 336 | 323 | 233 | NSR | NSR | NSR | NSR | TNP | TNP | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-57 | 33 | 22.01 | -7.03 | less-open | 22 | 266 | 253 | 163 | NSR | NSR | NSR | NSR | TNP | TNP | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-57 | 34 | 22.85 | -7.87 | less-open | 33 | 311 | 298 | 208 | NSR | NSR | NSR | NSR | TNP | TNP | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-57 | 35 | 22.86 | -7.88 | less-open | 64 | 195 | 182 | 92 | 5 | S | 166-200 | 34 | TNP | TNP | 0.0 | -- | -- | -- | -- | 22.9 | -- |
| MW-57 | 36 | 23.76 | -8.78 | less-open | 47 | 344 | 331 | 241 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.9 | -- | 23.8 | -- | -- | -- | -- |
| MW-57 | 37 | 24.19 | -9.21 | less-open | 60 | 132 | 119 | 29 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.4 | 5.8 | -- | -- | -- | -- | -- |
| MW-57 | 38 | 25.08 | -10.1 | less-open | 68 | 147 | 134 | 44 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.9 | 0.9 | -- | -- | -- | -- | -- |
| MW-57 | 39 | 25.76 | -10.78 | less-open | 69 | 170 | 157 | 67 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.7 | 0.7 | -- | -- | -- | -- | -- |
| MW-57 | 40 | 28.16 | -13.18 | less-open | 59 | 110 | 97 | 7 | 3 | E | 70-115 | 45 | TNP | TNP | 2.4 | -- | -- | 8.3 | -- | -- | -- |
| MW-57 | 41 | 28.35 | -13.37 | less-open | 73 | 257 | 244 | 154 | NSR | NSR | NSR | NSR | TNP | TNP | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-57 | 42 | 29.15 | -14.17 | less-open | 74 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | TNP | TNP | 0.8 | -- | -- | 1.0 | -- | -- | -- |
| MW-57 | 43 | 29.71 | -14.73 | open | 21 | 280 | 267 | 177 | NSR | NSR | NSR | NSR | TNP | TNP | 0.6 | -- | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-57 | 44 | 29.77 | -14.79 | less-open | 75 | 82 | 69 | 339 | NSR | NSR | NSR | NSR | TNP | TNP | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-57 | 45 | 30.12 | -15.14 | less-open | 74 | 77 | 64 | 334 | NSR | NSR | NSR | NSR | TNP | TNP | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-57 | 46 | 30.46 | -15.48 | less-open | 78 | 91 | 78 | 348 | 3 | E | 70-115 | 45 | TNP | TNP | 0.3 | -- | -- | 1.3 | -- | -- | -- |
| MW-57 | 47 | 30.95 | -15.97 | less-open | 73 | 95 | 82 | 352 | 3 | E | 70-115 | 45 | 0.0 | 2.8E-01 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-57 | 48 | 31.81 | -16.83 | less-open | 78 | 143 | 130 | 40 | 1 | SE | 116-165 | 49 | 0.0 | 2.8E-01 | 0.9 | 6.1 | -- | -- | -- | -- | -- |
| MW-57 | 49 | 32.02 | -17.04 | less-open | 73 | 129 | 116 | 26 | 1 | SE | 116-165 | 49 | 0.0 | 2.8E-01 | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-57 | 50 | 32.04 | -17.06 | less-open | 37 | 331 | 318 | 228 | 2 | NW | 291-335 | 44 | 0.0 | 2.8E-01 | 0.0 | -- | 8.3 | -- | -- | -- | -- |
| MW-57 | 51 | 32.37 | -17.39 | less-open | 33 | 291 | 278 | 188 | NSR | NSR | NSR | NSR | 0.0 | 2.8E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-57 | 52 | 32.5 | -17.52 | less-open | 81 | 247 | 234 | 144 | NSR | NSR | NSR | NSR | 0.0 | 2.8E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-57 | 53 | 32.72 | -17.74 | less-open | 35 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | 0.0 | 2.8E-01 | 0.2 | -- | -- | 1.8 | -- | -- | -- |
| MW-57 | 54 | 32.87 | -17.89 | less-open | 61 | 284 | 271 | 181 | 4 | W | 245-290 | 45 | 0.0 | 2.8E-01 | 0.1 | -- | -- | -- | 32.9 | -- | -- |
| MW-57 | 55 | 32.96 | -17.98 | less-open | 38 | 286 | 273 | 183 | 4 | W | 245-290 | 45 | 0.0 | 2.8E-01 | 0.1 | -- | -- | -- | 0.1 | -- | -- |
| MW-57 | 56 | 33.37 | -18.39 | less-open | 74 | 90 | 77 | 347 | 3 | E | 70-115 | 45 | 0.0 | 2.8E-01 | 0.4 | -- | -- | 0.6 | -- | -- | -- |
| MW-57 | 57 | 33.37 | -18.39 | less-open | 73 | 287 | 274 | 184 | 4 | W | 245-290 | 45 | 0.0 | 2.8E-01 | 0.0 | -- | -- | -- | 0.4 | -- | -- |
| MW-57 | 58 | 34.23 | -19.25 | less-open | 77 | 298 | 285 | 195 | 4 | W | 245-290 | 45 | 0.0 | 2.8E-01 | 0.9 | -- | -- | -- | 0.9 | -- | -- |
| MW-57 | 59 | 34.57 | -19.59 | less-open | 63 | 329 | 316 | 226 | 2 | NW | 291-335 | 44 | 0.0 | 2.8E-01 | 0.3 | -- | 2.5 | -- | -- | -- | -- |
| MW-57 | 60 | 35.3 | -20.32 | less-open | 46 | 292 | 279 | 189 | 4 | W | 245-290 | 45 | 0.0 | 2.8E-01 | 0.7 | -- | -- | -- | 1.1 | -- | -- |
| MW-57 | 61 | 35.59 | -20.61 | less-open | 48 | 105 | 92 | 2 | 3 | E | 70-115 | 45 | 0.0 | 2.8E-01 | 0.3 | -- | -- | 2.2 | -- | -- | -- |
| MW-57 | 62 | 35.64 | -20.66 | less-open | 56 | 318 | 305 | 215 | 2 | NW | 291-335 | 44 | 0.0 | 2.8E-01 | 0.0 | -- | 1.1 | -- | -- | -- | -- |
| MW-57 | 63 | 35.81 | -20.83 | less-open | 22 | 312 | 299 | 209 | NSR | NSR | NSR | NSR | 0.0 | 2.8E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-57 | 64 | 36.08 | -21.1 | less-open | 53 | 304 | 291 | 201 | 2 | NW | 291-335 | 44 | 0.0 | 2.8E-01 | 0.3 | -- | 0.4 | -- | -- | -- | -- |
| MW-57 | 65 | 36.37 | -21.39 | less-open | 47 | 312 | 299 | 209 | 2 | NW | 291-335 | 44 | 0.0 | 2.8E-01 | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-57 | 66 | 36.53 | -21.55 | less-open | 53 | 307 | 294 | 204 | 2 | NW | 291-335 | 44 | 0.0 | 2.8E-01 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-57 | 67 | 36.73 | -21.75 | less-open | 69 | 87 | 74 | 344 | 3 | E | 70-115 | 45 | 0.0 | 2.8E-01 | 0.2 | -- | -- | 1.1 | -- | -- | -- |
| MW-57 | 68 | 36.79 | -21.81 | less-open | 45 | 312 | 299 | 209 | 2 | NW | 291-335 | 44 | 0.0 | 2.8E-01 | 0.1 | -- | 0.3 | -- | -- | -- | -- |
| MW-57 | 69 | 36.97 | -21.99 | less-open | 48 | 287 | 274 | 184 | 4 | W | 245-290 | 45 | 0.0 | 2.8E-01 | 0.2 | -- | -- | -- | 1.7 | -- | -- |
| MW-57 | 70 | 37.16 | -22.18 | less-open | 43 | 307 | 294 | 204 | 2 | NW | 291-335 | 44 | 0.0 | 2.8E-01 | 0.2 | -- | 0.4 | -- | -- | -- | -- |
| MW-57 | 71 | 38.09 | -23.11 | less-open | 42 | 317 | 304 | 214 | 2 | NW | 291-335 | 44 | 0.0 | 2.8E-01 | 0.9 | -- | 0.9 | -- | -- | -- | -- |
| MW-57 | 72 | 38.31 | -23.33 | less-open | 56 | 316 | 303 | 213 | 2 | NW | 291-335 | 44 | 0.0 | 2.8E-01 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-57 | 73 | 38.45 | -23.47 | less-open | 77 | 127 | 114 | 24 | 3 | E | 70-115 | 45 | 0.0 | 2.8E-01 | 0.1 | -- | -- | 1.7 | -- | -- | -- |
| MW-57 | 74 | 38.76 | -23.78 | less-open | 66 | 306 | 293 | 203 | 2 | NW | 291-335 | 44 | 0.0 | 2.8E-01 | 0.3 | -- | 0.4 | -- | -- | -- | -- |
| MW-57 | 75 | 38.85 | -23.87 | less-open | 65 | 321 | 308 | 218 | 2 | NW | 291-335 | 44 | 0.0 | 2.8E-01 | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-57 | 76 | 38.96 | -23.98 | less-open | 64 | 312 | 299 | 209 | 2 | NW | 291-335 | 44 | 0.0 | 2.8E-01 | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-57 | 77 | 39.15 | -24.17 | less-open | 32 | 307 | 294 | 204 | NSR | NSR | NSR | NSR | 0.0 | 2.8E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-57 | 78 | 39.38 | -24.4 | less-open | 53 | 326 | 313 | 223 | 2 | NW | 291-335 | 44 | 0.0 | 2.8E-01 | 0.2 | -- | 0.4 | -- | -- | -- | -- |
| MW-57 | 79 | 39.64 | -24.66 | less-open | 63 | 317 | 304 | 214 | 2 | NW | 291-335 | 44 | 0.0 | 2.8E-01 | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-57 | 80 | 39.8 | -24.82 | less-open | 66 | 323 | 310 | 220 | 2 | NW | 291-335 | 44 | 0.0 | 2.8E-01 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-57 | 81 | 40.03 | -25.05 | less-open | 76 | 126 | 113 | 23 | 3 | E | 70-115 | 45 | 0.0 | 2.8E-01 | 0.2 | -- | -- | 1.6 | -- | -- | -- |
| MW-57 | 82 | 40.7 | -25.72 | less-open | 52 | 216 | 203 | 113 | NSR | NSR | NSR | NSR | 0.0 | 2.8E-01 | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-57 | 83 | 41.35 | -26.37 | less-open | 40 | 58 | 45 | 315 | NSR | NSR | NSR | NSR | 0.0 | 2.8E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-57 | 84 | 41.44 | -26.46 | less-open | 47 | 215 | 202 | 112 | NSR | NSR | NSR | NSR | 0.0 | 2.8E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-57 | 85 | 42.13 | -27.15 | less-open | 57 | 122 | 109 | 19 | 3 | E | 70-115 | 45 | 0.0 | 2.8E-01 | 0.7 | -- | -- | 2.1 | -- | -- | -- |
| MW-57 | 86 | 43.03 | -28.05 | less-open | 15 | 31 | 18 | 288 | NSR | NSR | NSR | NSR | 0.0 | 2.8E-01 | 0.9 | -- | -- | -- | -- | -- | -- |
| MW-57 | 87 | 43.06 | -28.08 | less-open | 74 | 312 | 299 | 209 | 2 | NW | 291-335 | 44 | 0.0 | 2.8E-01 | 0.0 | -- | 3.3 | -- | -- | -- | -- |
| MW-57 | 88 | 43.26 | -28.28 | less-open | 29 | 325 | 312 | 222 | NSR | NSR | NSR | NSR | 0.0 | 2.8E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-57 | 89 | 43.37 | -28.39 | less-open | 67 | 290 | 277 | 187 | 4 | W | 245-290 | 45 | 0.0 | 2.8E-01 | 0.1 | -- | -- | -- | 6.4 | -- | -- |
| MW-57 | 90 | 43.66 | -28.68 | less-open | 52 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | 0.0 | 2.8E-01 | 0.3 | -- | -- | 1.5 | -- | -- | -- |
| MW-57 | 91 | 43.78 | -28.8 | less-open | 83 | 83 | 70 | 340 | NSR | NSR | NSR | NSR | 0.0 | 2.8E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-57 | 92 | 43.84 | -28.86 | less-open | 54 | 93 | 80 | 350 | 3 | E | 70-115 | 45 | 0.0 | 2.8E-01 | 0.1 | -- | -- | 0.2 | -- | -- | -- |
| MW-57 | 93 | 44.11 | -29.13 | less-open | 67 | 72 | 59 | 329 | NSR | NSR | NSR | NSR | 0.0 | 2.8E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-57 | 94 | 44.13 | -29.15 | less-open | 76 | 349 | 336 | 246 | 6 | N | 336-21 | 45 | 0.0 | 2.8E-01 | 0.0 | -- | -- | -- | -- | -- | 34.7 |
| MW-57 | 95 | 44.33 | -29.35 | less-open | 78 | 86 | 73 | 343 | 3 | E | 70-115 | 45 | 0.0 | 2.8E-01 | 0.2 | -- | -- | 0.5 | -- | -- | -- |
| MW-57 | 96 | 44.91 | -29.93 | less-open | 90 | 328 | 315 | 225 | NSR | NSR | NSR | NSR | 0.0 | 2.8E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-57 | 97 | 45.17 | -30.19 | less-open | 89 | 310 | 297 | 207 | NSR | NSR | NSR | NSR | 0.0 | 2.8E-01 | 0.3 | -- | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-57 | 98 | 45.73 | -30.75 | less-open | 90 | 306 | 293 | 203 | NSR | NSR | NSR | NSR | 0.0 | 2.8E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-58 | 1 | 16.76 | -2.19 | less-open | 36 | 344 | 331 | 241 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | NA | -- | 16.8 | -- | -- | -- | -- |
| MW-58 | 2 | 16.95 | -2.38 | less-open | 43 | 341 | 328 | 238 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-58 | 3 | 17.41 | -2.84 | less-open | 67 | 171 | 158 | 68 | 1 | SE | 116-165 | 49 | 1.1E-04 | 3.0E-01 | 0.5 | 17.4 | -- | -- | -- | -- | -- |
| MW-58 | 4 | 17.82 | -3.25 | less-open | 67 | 357 | 344 | 254 | 6 | N | 336-21 | 45 | 1.1E-04 | 3.0E-01 | 0.4 | -- | -- | -- | -- | -- | 17.8 |
| MW-58 | 5 | 17.99 | -3.42 | less-open | 59 | 349 | 336 | 246 | 6 | N | 336-21 | 45 | 1.1E-04 | 3.0E-01 | 0.2 | -- | -- | -- | -- | -- | 0.2 |
| MW-58 | 6 | 18.30 | -3.73 | less-open | 53 | 12 | 359 | 269 | 6 | N | 336-21 | 45 | 1.1E-04 | 3.0E-01 | 0.3 | -- | -- | -- | -- | -- | 0.3 |
| MW-58 | 7 | 18.72 | -4.15 | less-open | 73 | 204 | 191 | 101 | 5 | S | 166-200 | 34 | 1.1E-04 | 3.0E-01 | 0.4 | -- | -- | -- | -- | 18.7 | -- |
| MW-58 | 8 | 18.75 | -4.18 | less-open | 33 | 21 | 8 | 278 | NSR | NSR | NSR | NSR | 1.1E-04 | 3.0E-01 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-58 | 9 | 18.86 | -4.29 | less-open | 67 | 4 | 351 | 261 | 6 | N | 336-21 | 45 | 1.1E-04 | 3.0E-01 | 0.1 | -- | -- | -- | -- | -- | 0.6 |
| MW-58 | 10 | 19.14 | -4.57 | less-open | 30 | 15 | 2 | 272 | NSR | NSR | NSR | NSR | 1.1E-04 | 3.0E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-58 | 11 | 19.28 | -4.71 | less-open | 35 | 353 | 340 | 250 | 6 | N | 336-21 | 45 | 1.1E-04 | 3.0E-01 | 0.1 | -- | -- | -- | -- | -- | 0.4 |
| MW-58 | 12 | 19.43 | -4.86 | open | 29 | 344 | 331 | 241 | NSR | NSR | NSR | NSR | 1.1E-04 | 3.0E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-58 | 13 | 19.96 | -5.39 | less-open | 66 | 164 | 151 | 61 | 1 | SE | 116-165 | 49 | 1.1E-04 | 3.0E-01 | 0.5 | 2.6 | -- | -- | -- | -- | -- |
| MW-58 | 14 | 20.28 | -5.71 | less-open | 57 | 335 | 322 | 232 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.3 | -- | 3.3 | -- | -- | -- | -- |
| MW-58 | 15 | 20.34 | -5.77 | less-open | 70 | 162 | 149 | 59 | 1 | SE | 116-165 | 49 | 1.1E-04 | 3.0E-01 | 0.1 | 0.4 | -- | -- | -- | -- | -- |
| MW-58 | 16 | 20.53 | -5.96 | less-open | 62 | 171 | 158 | 68 | 1 | SE | 116-165 | 49 | 1.1E-04 | 3.0E-01 | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-58 | 17 | 20.64 | -6.07 | less-open | 35 | 340 | 327 | 237 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.1 | -- | 0.4 | -- | -- | -- | -- |
| MW-58 | 18 | 20.94 | -6.37 | less-open | 66 | 158 | 145 | 55 | 1 | SE | 116-165 | 49 | 1.1E-04 | 3.0E-01 | 0.3 | 0.4 | -- | -- | -- | -- | -- |
| MW-58 | 19 | 21.03 | -6.46 | less-open | 32 | 345 | 332 | 242 | NSR | NSR | NSR | NSR | 1.1E-04 | 3.0E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-58 | 20 | 21.11 | -6.54 | less-open | 35 | 351 | 338 | 248 | 6 | N | 336-21 | 45 | 1.1E-04 | 3.0E-01 | 0.1 | -- | -- | -- | -- | -- | 1.8 |
| MW-58 | 21 | 21.30 | -6.73 | less-open | 42 | 352 | 339 | 249 | 6 | N | 336-21 | 45 | 1.1E-04 | 3.0E-01 | 0.2 | -- | -- | -- | -- | -- | 0.2 |
| MW-58 | 22 | 21.56 | -6.99 | open | 42 | 343 | 330 | 240 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.3 | -- | 0.9 | -- | -- | -- | -- |
| MW-58 | 23 | 21.81 | -7.24 | less-open | 39 | 355 | 342 | 252 | 6 | N | 336-21 | 45 | 1.1E-04 | 3.0E-01 | 0.3 | -- | -- | -- | -- | -- | 0.5 |
| MW-58 | 24 | 21.97 | -7.40 | less-open | 40 | 343 | 330 | 240 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.2 | -- | 0.4 | -- | -- | -- | -- |
| MW-58 | 25 | 22.40 | -7.83 | less-open | 56 | 315 | 302 | 212 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.4 | -- | 0.4 | -- | -- | -- | -- |
| MW-58 | 26 | 22.94 | -8.37 | less-open | 27 | 321 | 308 | 218 | NSR | NSR | NSR | NSR | 1.1E-04 | 3.0E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-58 | 27 | 23.23 | -8.66 | less-open | 50 | 307 | 294 | 204 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.3 | -- | 0.8 | -- | -- | -- | -- |
| MW-58 | 28 | 23.38 | -8.81 | less-open | 73 | 133 | 120 | 30 | 1 | SE | 116-165 | 49 | 1.1E-04 | 3.0E-01 | 0.1 | 2.4 | -- | -- | -- | -- | -- |
| MW-58 | 29 | 23.49 | -8.92 | less-open | 50 | 334 | 321 | 231 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.1 | -- | 0.3 | -- | -- | -- | -- |
| MW-58 | 30 | 23.92 | -9.35 | less-open | 46 | 325 | 312 | 222 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.4 | -- | 0.4 | -- | -- | -- | -- |
| MW-58 | 31 | 24.04 | -9.47 | less-open | 72 | 119 | 106 | 16 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.1 | -- | -- | 24.0 | -- | -- | -- |
| MW-58 | 32 | 24.40 | -9.83 | less-open | 44 | 319 | 306 | 216 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.4 | -- | 0.5 | -- | -- | -- | -- |
| MW-58 | 33 | 25.06 | -10.49 | less-open | 64 | 121 | 108 | 18 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.7 | -- | -- | 1.0 | -- | -- | -- |
| MW-58 | 34 | 25.10 | -10.53 | less-open | 63 | 327 | 314 | 224 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.0 | -- | 0.7 | -- | -- | -- | -- |
| MW-58 | 35 | 25.16 | -10.59 | less-open | 57 | 339 | 326 | 236 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-58 | 36 | 25.31 | -10.74 | less-open | 69 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.1 | -- | -- | 0.3 | -- | -- | -- |
| MW-58 | 37 | 25.38 | -10.81 | less-open | 62 | 329 | 316 | 226 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.1 | -- | 0.2 | -- | -- | -- | -- |
| MW-58 | 38 | 26.18 | -11.61 | less-open | 61 | 317 | 304 | 214 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.8 | -- | 0.8 | -- | -- | -- | -- |
| MW-58 | 39 | 26.28 | -11.71 | less-open | 45 | 322 | 309 | 219 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-58 | 40 | 26.46 | -11.89 | less-open | 47 | 343 | 330 | 240 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-58 | 41 | 26.94 | -12.37 | less-open | 66 | 121 | 108 | 18 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.5 | -- | -- | 1.6 | -- | -- | -- |
| MW-58 | 42 | 27.37 | -12.80 | less-open | 59 | 345 | 332 | 242 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.4 | -- | 0.9 | -- | -- | -- | -- |
| MW-58 | 43 | 28.08 | -13.51 | less-open | 60 | 341 | 328 | 238 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 0.7 | -- | 0.7 | -- | -- | -- | -- |
| MW-58 | 44 | 28.36 | -13.79 | less-open | 63 | 176 | 163 | 73 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.3 | 5.0 | -- | -- | -- | -- | -- |
| MW-58 | 45 | 28.98 | -14.41 | less-open | 58 | 340 | 327 | 237 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.6 | -- | 0.9 | -- | -- | -- | -- |
| MW-58 | 46 | 29.42 | -14.85 | less-open | 41 | 329 | 316 | 226 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.4 | -- | 0.4 | -- | -- | -- | -- |
| MW-58 | 47 | 30.06 | -15.49 | less-open | 43 | 320 | 307 | 217 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.6 | -- | 0.6 | -- | -- | -- | -- |
| MW-58 | 48 | 30.77 | -16.20 | less-open | 42 | 313 | 300 | 210 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.7 | -- | 0.7 | -- | -- | -- | -- |
| MW-58 | 49 | 31.20 | -16.63 | less-open | 64 | 150 | 137 | 47 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.4 | 2.8 | -- | -- | -- | -- | -- |
| MW-58 | 50 | 32.00 | -17.43 | less-open | 36 | 311 | 298 | 208 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.8 | -- | 1.2 | -- | -- | -- | -- |
| MW-58 | 51 | 32.46 | -17.89 | less-open | 33 | 314 | 301 | 211 | NSR | NSR | NSR | NSR | TNP | TNP | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-58 | 52 | 33.06 | -18.49 | less-open | 35 | 291 | 278 | 188 | 4 | W | 245-290 | 45 | TNP | TNP | 0.6 | -- | -- | -- | 33.1 | -- | -- |
| MW-58 | 53 | 33.20 | -18.63 | less-open | 29 | 300 | 287 | 197 | NSR | NSR | NSR | NSR | TNP | TNP | 0.1 | -- | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-58 | 54 | 33.56 | -18.99 | less-open | 32 | 310 | 297 | 207 | NSR | NSR | NSR | NSR | TNP | TNP | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-58 | 55 | 34.03 | -19.46 | less-open | 41 | 340 | 327 | 237 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.5 | -- | 2.0 | -- | -- | -- | -- |
| MW-58 | 56 | 34.37 | -19.80 | less-open | 61 | 133 | 120 | 30 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.3 | 3.2 | -- | -- | -- | -- | -- |
| MW-58 | 57 | 34.68 | -20.11 | less-open | 29 | 283 | 270 | 180 | NSR | NSR | NSR | NSR | TNP | TNP | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-58 | 58 | 35.02 | -20.45 | less-open | 66 | 113 | 100 | 10 | 3 | E | 70-115 | 45 | TNP | TNP | 0.3 | -- | -- | 8.1 | -- | -- | -- |
| MW-58 | 59 | 35.37 | -20.80 | less-open | 62 | 103 | 90 | 360 | 3 | E | 70-115 | 45 | TNP | TNP | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-58 | 60 | 35.84 | -21.27 | less-open | 68 | 100 | 87 | 357 | 3 | E | 70-115 | 45 | TNP | TNP | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-58 | 61 | 35.92 | -21.35 | less-open | 66 | 332 | 319 | 229 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.1 | -- | 1.9 | -- | -- | -- | -- |
| MW-58 | 62 | 36.38 | -21.81 | less-open | 43 | 312 | 299 | 209 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.5 | -- | 0.5 | -- | -- | -- | -- |
| MW-58 | 63 | 36.52 | -21.95 | less-open | 65 | 111 | 98 | 8 | 3 | E | 70-115 | 45 | TNP | TNP | 0.1 | -- | -- | 0.7 | -- | -- | -- |
| MW-58 | 64 | 36.60 | -22.03 | less-open | 53 | 303 | 290 | 200 | 4 | W | 245-290 | 45 | TNP | TNP | 0.1 | -- | -- | -- | 3.5 | -- | -- |
| MW-58 | 65 | 37.10 | -22.53 | less-open | 45 | 313 | 300 | 210 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.5 | -- | 0.7 | -- | -- | -- | -- |
| MW-58 | 66 | 37.22 | -22.65 | less-open | 41 | 327 | 314 | 224 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-58 | 67 | 37.58 | -23.01 | less-open | 40 | 323 | 310 | 220 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.4 | -- | 0.4 | -- | -- | -- | -- |
| MW-58 | 68 | 38.17 | -23.60 | less-open | 50 | 315 | 302 | 212 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.6 | -- | 0.6 | -- | -- | -- | -- |
| MW-58 | 69 | 38.25 | -23.68 | less-open | 47 | 315 | 302 | 212 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-58 | 70 | 38.40 | -23.83 | less-open | 59 | 311 | 298 | 208 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-58 | 71 | 38.82 | -24.25 | less-open | 33 | 333 | 320 | 230 | NSR | NSR | NSR | NSR | TNP | TNP | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-58 | 72 | 39.06 | -24.49 | less-open | 70 | 95 | 82 | 352 | 3 | E | 70-115 | 45 | TNP | TNP | 0.2 | -- | -- | 2.5 | -- | -- | -- |
| MW-58 | 73 | 39.22 | -24.65 | less-open | 40 | 298 | 285 | 195 | 4 | W | 245-290 | 45 | TNP | TNP | 0.2 | -- | -- | -- | 2.6 | -- | -- |
| MW-58 | 74 | 39.54 | -24.97 | less-open | 48 | 297 | 284 | 194 | 4 | W | 245-290 | 45 | TNP | TNP | 0.3 | -- | -- | -- | 0.3 | -- | -- |
| MW-58 | 75 | 39.94 | -25.37 | less-open | 57 | 327 | 314 | 224 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.4 | -- | 1.5 | -- | -- | -- | -- |
| MW-58 | 76 | 40.08 | -25.51 | less-open | 71 | 97 | 84 | 354 | 3 | E | 70-115 | 45 | TNP | TNP | 0.1 | -- | -- | 1.0 | -- | -- | -- |
| MW-58 | 77 | 40.62 | -26.05 | less-open | 71 | 94 | 81 | 351 | 3 | E | 70-115 | 45 | TNP | TNP | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-58 | 78 | 41.16 | -26.59 | less-open | 32 | 314 | 301 | 211 | NSR | NSR | NSR | NSR | TNP | TNP | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-58 | 79 | 41.35 | -26.78 | less-open | 71 | 79 | 66 | 336 | NSR | NSR | NSR | NSR | TNP | TNP | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-58 | 80 | 41.53 | -26.96 | less-open | 25 | 297 | 284 | 194 | NSR | NSR | NSR | NSR | TNP | TNP | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-58 | 81 | 42.27 | -27.70 | less-open | 52 | 306 | 293 | 203 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.7 | -- | 2.3 | -- | -- | -- | -- |
| MW-58 | 82 | 42.70 | -28.13 | less-open | 42 | 334 | 321 | 231 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.4 | -- | 0.4 | -- | -- | -- | -- |
| MW-58 | 83 | 43.04 | -28.47 | less-open | 47 | 301 | 288 | 198 | 4 | W | 245-290 | 45 | TNP | TNP | 0.3 | -- | -- | -- | 3.5 | -- | -- |
| MW-58 | 84 | 43.16 | -28.59 | less-open | 53 | 295 | 282 | 192 | 4 | W | 245-290 | 45 | TNP | TNP | 0.1 | -- | -- | -- | 0.1 | -- | -- |
| MW-58 | 85 | 43.74 | -29.17 | less-open | 47 | 317 | 304 | 214 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.6 | -- | 1.0 | -- | -- | -- | -- |
| MW-58 | 86 | 44.46 | -29.89 | less-open | 63 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | TNP | TNP | 0.7 | -- | -- | 3.8 | -- | -- | -- |
| MW-58 | 87 | 44.5 | -29.93 | less-open | 45 | 336 | 323 | 233 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.0 | -- | 0.8 | -- | -- | -- | -- |
| MW-58 | 88 | 45.32 | -30.75 | less-open | 39 | 342 | 329 | 239 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.8 | -- | 0.8 | -- | -- | -- | -- |
| MW-58 | 89 | 46.27 | -31.70 | less-open | 41 | 301 | 288 | 198 | 4 | W | 245-290 | 45 | TNP | TNP | 1.0 | -- | -- | -- | 3.1 | -- | -- |
| MW-58 | 90 | 46.98 | -32.41 | less-open | 35 | 310 | 297 | 207 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.7 | -- | 1.7 | -- | -- | -- | -- |
| MW-58 | 91 | 48.89 | -34.32 | less-open | 23 | 351 | 338 | 248 | NSR | NSR | NSR | NSR | 3.5E-04 | 1.0E+00 | 1.9 | -- | -- | -- | -- | -- | -- |
| MW-58 | 92 | 52.82 | -38.25 | less-open | 59 | 97 | 84 | 354 | 3 | E | 70-115 | 45 | 3.5E-04 | 1.0E+00 | 3.9 | -- | -- | 8.4 | -- | -- | -- |
| MW-58 | 93 | 53.46 | -38.89 | less-open | 65 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | 3.5E-04 | 1.0E+00 | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-58 | 94 | 53.77 | -39.20 | less-open | 66 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | 3.5E-04 | 1.0E+00 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-58 | 95 | 54.36 | -39.79 | open | 39 | 305 | 292 | 202 | 2 | NW | 291-335 | 44 | 3.5E-04 | 1.0E+00 | 0.6 | -- | 7.4 | -- | -- | -- | -- |
| MW-58 | 96 | 56.84 | -42.27 | less-open | 41 | 290 | 277 | 187 | 4 | W | 245-290 | 45 | 3.5E-04 | 1.0E+00 | 2.5 | -- | -- | -- | 10.6 | -- | -- |
| MW-58 | 97 | 57.63 | -43.06 | less-open | 50 | 296 | 283 | 193 | 4 | W | 245-290 | 45 | 3.5E-04 | 1.0E+00 | 0.8 | -- | -- | -- | 0.8 | -- | -- |
| MW-58 | 98 | 58.41 | -43.84 | less-open | 73 | 163 | 150 | 60 | 1 | SE | 116-165 | 49 | 3.5E-04 | 1.0E+00 | 0.8 | 24.0 | -- | -- | -- | -- | -- |
| MW-58 | 99 | 59.02 | -44.45 | less-open | 63 | 105 | 92 | 2 | 3 | E | 70-115 | 45 | 3.5E-04 | 1.0E+00 | 0.6 | -- | -- | 5.3 | -- | -- | -- |
| MW-58 | 100 | 59.22 | -44.65 | less-open | 62 | 303 | 290 | 200 | 4 | W | 245-290 | 45 | 3.5E-04 | 1.0E+00 | 0.2 | -- | -- | -- | 1.6 | -- | -- |
| MW-58 | 101 | 59.63 | -45.06 | less-open | 64 | 283 | 270 | 180 | 4 | W | 245-290 | 45 | 3.5E-04 | 1.0E+00 | 0.4 | -- | -- | -- | 0.4 | -- | -- |
| MW-58 | 102 | 60.77 | -46.20 | less-open | 61 | 297 | 284 | 194 | 4 | W | 245-290 | 45 | 3.5E-04 | 1.0E+00 | 1.1 | -- | -- | -- | 1.1 | -- | -- |
| MW-58 | 103 | 60.99 | -46.42 | less-open | 67 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | 3.5E-04 | 1.0E+00 | 0.2 | -- | -- | 2.0 | -- | -- | -- |
| MW-58 | 104 | 61.41 | -46.84 | less-open | 64 | 122 | 109 | 19 | 3 | E | 70-115 | 45 | 3.5E-04 | 1.0E+00 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-58 | 105 | 61.77 | -47.20 | less-open | 68 | 103 | 90 | 360 | 3 | E | 70-115 | 45 | 3.5E-04 | 1.0E+00 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-58 | 106 | 63.25 | -48.68 | less-open | 38 | 301 | 288 | 198 | 4 | W | 245-290 | 45 | 3.5E-04 | 1.0E+00 | 1.5 | -- | -- | -- | 2.5 | -- | -- |
| MW-58 | 107 | 64.06 | -49.49 | less-open | 66 | 72 | 59 | 329 | NSR | NSR | NSR | NSR | 3.5E-04 | 1.0E+00 | 0.8 | -- | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-58 | 108 | 64.34 | -49.77 | less-open | 64 | 143 | 130 | 40 | 1 | SE | 116-165 | 49 | 3.5E-04 | 1.0E+00 | 0.3 | 5.9 | -- | -- | -- | -- | -- |
| MW-58 | 109 | 64.38 | -49.81 | less-open | 36 | 319 | 306 | 216 | 2 | NW | 291-335 | 44 | 3.5E-04 | 1.0E+00 | 0.0 | -- | 10.0 | -- | -- | -- | -- |
| MW-58 | 110 | 64.81 | -50.24 | less-open | 41 | 292 | 279 | 189 | 4 | W | 245-290 | 45 | 3.5E-04 | 1.0E+00 | 0.4 | -- | -- | -- | 1.6 | -- | -- |
| MW-58 | 111 | 64.92 | -50.35 | less-open | 68 | 181 | 168 | 78 | 5 | S | 166-200 | 34 | 3.5E-04 | 1.0E+00 | 0.1 | -- | -- | -- | -- | 46.2 | -- |
| MW-58 | 112 | 65.13 | -50.56 | less-open | 70 | 177 | 164 | 74 | 1 | SE | 116-165 | 49 | 3.5E-04 | 1.0E+00 | 0.2 | 0.8 | -- | -- | -- | -- | -- |
| MW-58 | 113 | 65.22 | -50.65 | less-open | 68 | 171 | 158 | 68 | 1 | SE | 116-165 | 49 | 3.5E-04 | 1.0E+00 | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-58 | 114 | 65.71 | -51.14 | less-open | 70 | 179 | 166 | 76 | 5 | S | 166-200 | 34 | 3.5E-04 | 1.0E+00 | 0.5 | -- | -- | -- | -- | 0.8 | -- |
| MW-58 | 115 | 65.96 | -51.39 | less-open | 53 | 323 | 310 | 220 | 2 | NW | 291-335 | 44 | 3.5E-04 | 1.0E+00 | 0.3 | -- | 1.6 | -- | -- | -- | -- |
| MW-58 | 116 | 66.21 | -51.64 | less-open | 61 | 111 | 98 | 8 | 3 | E | 70-115 | 45 | 3.5E-04 | 1.0E+00 | 0.3 | -- | -- | 4.4 | -- | -- | -- |
| MW-58 | 117 | 66.33 | -51.76 | less-open | 66 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 3.5E-04 | 1.0E+00 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-58 | 118 | 66.68 | -52.11 | less-open | 56 | 288 | 275 | 185 | 4 | W | 245-290 | 45 | 3.5E-04 | 1.0E+00 | 0.4 | -- | -- | -- | 1.9 | -- | -- |
| MW-58 | 119 | 66.94 | -52.37 | less-open | 59 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | 3.5E-04 | 1.0E+00 | 0.3 | -- | -- | 0.6 | -- | -- | -- |
| MW-58 | 120 | 67.26 | -52.69 | less-open | 67 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | TNP | TNP | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-58 | 121 | 67.89 | -53.32 | less-open | 70 | 100 | 87 | 357 | 3 | E | 70-115 | 45 | TNP | TNP | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-58 | 122 | 67.96 | -53.39 | less-open | 71 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | TNP | TNP | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-58 | 123 | 68.07 | -53.50 | less-open | 54 | 306 | 293 | 203 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.1 | -- | 2.1 | -- | -- | -- | -- |
| MW-58 | 124 | 68.28 | -53.71 | less-open | 73 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | TNP | TNP | 0.2 | -- | -- | 0.3 | -- | -- | -- |
| MW-58 | 125 | 68.93 | -54.36 | less-open | 65 | 96 | 83 | 353 | 3 | E | 70-115 | 45 | TNP | TNP | 0.7 | -- | -- | 0.7 | -- | -- | -- |
| MW-58 | 126 | 70.24 | -55.67 | less-open | 6 | 193 | 180 | 90 | NSR | NSR | NSR | NSR | TNP | TNP | 1.3 | -- | -- | -- | -- | -- | -- |
| MW-59 | 1 | 20.8 | -6.3 | open | 29 | 254 | 241 | 151 | NSR | NSR | NSR | NSR | 2.1E-03 | 6.0E+00 | NA | -- | -- | -- | -- | -- | -- |
| MW-59 | 2 | 21.7 | -7.2 | less-open | 63 | 222 | 209 | 119 | NSR | NSR | NSR | NSR | 2.1E-03 | 6.0E+00 | 0.9 | -- | -- | -- | -- | -- | -- |
| MW-59 | 3 | 21.8 | -7.2 | less-open | 72 | 213 | 200 | 110 | 5 | S | 166-200 | 34 | 2.1E-03 | 6.0E+00 | 0.1 | -- | -- | -- | -- | 21.8 | -- |
| MW-59 | 4 | 23.5 | -9.0 | open | 61 | 226 | 213 | 123 | NSR | NSR | NSR | NSR | 2.1E-03 | 6.0E+00 | 1.8 | -- | -- | -- | -- | -- | -- |
| MW-59 | 5 | 23.7 | -9.2 | less-open | 70 | 217 | 204 | 114 | NSR | NSR | NSR | NSR | 2.1E-03 | 6.0E+00 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-59 | 6 | 24.1 | -9.6 | less-open | 78 | 220 | 207 | 117 | NSR | NSR | NSR | NSR | 2.1E-03 | 6.0E+00 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-59 | 7 | 24.1 | -9.6 | less-open | 75 | 219 | 206 | 116 | NSR | NSR | NSR | NSR | 2.1E-03 | 6.0E+00 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-59 | 8 | 24.4 | -9.9 | less-open | 48 | 132 | 119 | 29 | 1 | SE | 116-165 | 49 | 2.1E-03 | 6.0E+00 | 0.3 | 24.4 | -- | -- | -- | -- | -- |
| MW-59 | 9 | 24.8 | -10.3 | less-open | 50 | 354 | 341 | 251 | 6 | N | 336-21 | 45 | 2.1E-03 | 6.0E+00 | 0.3 | -- | -- | -- | -- | -- | 24.8 |
| MW-59 | 10 | 25.0 | -10.5 | less-open | 77 | 208 | 195 | 105 | 5 | S | 166-200 | 34 | 2.1E-03 | 6.0E+00 | 0.2 | -- | -- | -- | -- | 3.2 | -- |
| MW-59 | 11 | 25.1 | -10.6 | less-open | 46 | 358 | 345 | 255 | 6 | N | 336-21 | 45 | 2.1E-03 | 6.0E+00 | 0.1 | -- | -- | -- | -- | -- | 0.3 |
| MW-59 | 12 | 25.2 | -10.7 | less-open | 41 | 151 | 138 | 48 | 1 | SE | 116-165 | 49 | 2.1E-03 | 6.0E+00 | 0.1 | 0.8 | -- | -- | -- | -- | -- |
| MW-59 | 13 | 25.3 | -10.8 | less-open | 34 | 136 | 123 | 33 | NSR | NSR | NSR | NSR | 2.1E-03 | 6.0E+00 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-59 | 14 | 25.5 | -11.0 | less-open | 52 | 148 | 135 | 45 | 1 | SE | 116-165 | 49 | 2.1E-03 | 6.0E+00 | 0.2 | 0.3 | -- | -- | -- | -- | -- |
| MW-59 | 15 | 26.1 | -11.6 | less-open | 57 | 142 | 129 | 39 | 1 | SE | 116-165 | 49 | 2.1E-03 | 6.0E+00 | 0.6 | 0.6 | -- | -- | -- | -- | -- |
| MW-59 | 16 | 26.2 | -11.7 | less-open | 58 | 147 | 134 | 44 | 1 | SE | 116-165 | 49 | 2.1E-03 | 6.0E+00 | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-59 | 17 | 26.8 | -12.3 | less-open | 84 | 188 | 175 | 85 | NSR | NSR | NSR | NSR | 2.1E-03 | 6.0E+00 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-59 | 18 | 26.9 | -12.4 | less-open | 60 | 135 | 122 | 32 | 1 | SE | 116-165 | 49 | 2.1E-03 | 6.0E+00 | 0.1 | 0.7 | -- | -- | -- | -- | -- |
| MW-59 | 19 | 26.9 | -12.4 | less-open | 39 | 324 | 311 | 221 | 2 | NW | 291-335 | 44 | 2.1E-03 | 6.0E+00 | 0.1 | -- | 26.9 | -- | -- | -- | -- |
| MW-59 | 20 | 27.2 | -12.7 | less-open | 46 | 285 | 272 | 182 | 4 | W | 245-290 | 45 | 2.1E-03 | 6.0E+00 | 0.2 | -- | -- | -- | 27.2 | -- | -- |
| MW-59 | 21 | 27.3 | -12.7 | less-open | 37 | 142 | 129 | 39 | 1 | SE | 116-165 | 49 | 2.1E-03 | 6.0E+00 | 0.1 | 0.4 | -- | -- | -- | -- | -- |
| MW-59 | 22 | 27.3 | -12.8 | less-open | 85 | 188 | 175 | 85 | NSR | NSR | NSR | NSR | 2.1E-03 | 6.0E+00 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-59 | 23 | 27.3 | -12.8 | less-open | 48 | 129 | 116 | 26 | 1 | SE | 116-165 | 49 | 2.1E-03 | 6.0E+00 | 0.0 | 0.1 | -- | -- | -- | -- | -- |
| MW-59 | 24 | 28.0 | -13.5 | less-open | 59 | 124 | 111 | 21 | 3 | E | 70-115 | 45 | 2.1E-03 | 6.0E+00 | 0.6 | -- | -- | 28.0 | -- | -- | -- |
| MW-59 | 25 | 28.1 | -13.6 | less-open | 46 | 159 | 146 | 56 | 1 | SE | 116-165 | 49 | 2.1E-03 | 6.0E+00 | 0.2 | 0.8 | -- | -- | -- | -- | -- |
| MW-59 | 26 | 28.5 | -13.9 | less-open | 47 | 229 | 216 | 126 | NSR | NSR | NSR | NSR | 2.1E-03 | 6.0E+00 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-59 | 27 | 28.8 | -14.3 | less-open | 66 | 133 | 120 | 30 | 1 | SE | 116-165 | 49 | 2.1E-03 | 6.0E+00 | 0.4 | 0.7 | -- | -- | -- | -- | -- |
| MW-59 | 28 | 29.1 | -14.6 | less-open | 52 | 136 | 123 | 33 | 1 | SE | 116-165 | 49 | 2.1E-03 | 6.0E+00 | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-59 | 29 | 29.4 | -14.9 | less-open | 54 | 120 | 107 | 17 | 3 | E | 70-115 | 45 | 2.1E-03 | 6.0E+00 | 0.3 | -- | -- | 1.4 | -- | -- | -- |
| MW-59 | 30 | 29.4 | -14.9 | open | 38 | 317 | 304 | 214 | 2 | NW | 291-335 | 44 | 2.1E-03 | 6.0E+00 | 0.0 | -- | 2.5 | -- | -- | -- | -- |
| MW-59 | 31 | 29.8 | -15.3 | less-open | 55 | 141 | 128 | 38 | 1 | SE | 116-165 | 49 | 2.1E-03 | 6.0E+00 | 0.4 | 0.7 | -- | -- | -- | -- | -- |
| MW-59 | 32 | 30.1 | -15.6 | open | 43 | 325 | 312 | 222 | 2 | NW | 291-335 | 44 | 2.1E-03 | 6.0E+00 | 0.3 | -- | 0.7 | -- | -- | -- | -- |
| MW-59 | 33 | 30.2 | -15.7 | less-open | 62 | 148 | 135 | 45 | 1 | SE | 116-165 | 49 | 2.1E-03 | 6.0E+00 | 0.1 | 0.4 | -- | -- | -- | -- | -- |
| MW-59 | 34 | 30.4 | -15.9 | open | 42 | 313 | 300 | 210 | 2 | NW | 291-335 | 44 | 2.1E-03 | 6.0E+00 | 0.2 | -- | 0.3 | -- | -- | -- | -- |
| MW-59 | 35 | 30.6 | -16.0 | less-open | 45 | 317 | 304 | 214 | 2 | NW | 291-335 | 44 | 2.1E-03 | 6.0E+00 | 0.1 | -- | 0.1 | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-59 | 36 | 31.2 | -16.7 | less-open | 41 | 195 | 182 | 92 | 5 | S | 166-200 | 34 | TNP | TNP | 0.6 | -- | -- | -- | -- | 6.2 | -- |
| MW-59 | 37 | 31.5 | -17.0 | less-open | 38 | 183 | 170 | 80 | 5 | S | 166-200 | 34 | TNP | TNP | 0.4 | -- | -- | -- | -- | 0.4 | -- |
| MW-59 | 38 | 31.8 | -17.3 | less-open | 45 | 304 | 291 | 201 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.2 | -- | 1.2 | -- | -- | -- | -- |
| MW-59 | 39 | 32.0 | -17.5 | less-open | 46 | 306 | 293 | 203 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-59 | 40 | 32.2 | -17.6 | less-open | 66 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | TNP | TNP | 0.1 | -- | -- | 2.8 | -- | -- | -- |
| MW-59 | 41 | 32.3 | -17.8 | less-open | 57 | 121 | 108 | 18 | 3 | E | 70-115 | 45 | TNP | TNP | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-59 | 42 | 32.5 | -17.9 | less-open | 59 | 121 | 108 | 18 | 3 | E | 70-115 | 45 | TNP | TNP | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-59 | 43 | 32.6 | -18.1 | less-open | 64 | 211 | 198 | 108 | 5 | S | 166-200 | 34 | TNP | TNP | 0.1 | -- | -- | -- | -- | 1.1 | -- |
| MW-59 | 44 | 32.8 | -18.3 | less-open | 68 | 124 | 111 | 21 | 3 | E | 70-115 | 45 | TNP | TNP | 0.2 | -- | -- | 0.4 | -- | -- | -- |
| MW-59 | 45 | 33.5 | -19.0 | less-open | 46 | 128 | 115 | 25 | 3 | E | 70-115 | 45 | TNP | TNP | 0.7 | -- | -- | 0.7 | -- | -- | -- |
| MW-59 | 46 | 34.1 | -19.5 | less-open | 64 | 204 | 191 | 101 | 5 | S | 166-200 | 34 | TNP | TNP | 0.5 | -- | -- | -- | -- | 1.5 | -- |
| MW-59 | 47 | 34.2 | -19.6 | less-open | 63 | 7 | 354 | 264 | 6 | N | 336-21 | 45 | TNP | TNP | 0.1 | -- | -- | -- | -- | -- | 9.1 |
| MW-59 | 48 | 34.3 | -19.8 | less-open | 47 | 200 | 187 | 97 | 5 | S | 166-200 | 34 | TNP | TNP | 0.1 | -- | -- | -- | -- | 0.2 | -- |
| MW-59 | 49 | 35.0 | -20.5 | less-open | 70 | 340 | 327 | 237 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.7 | -- | 3.0 | -- | -- | -- | -- |
| MW-59 | 50 | 35.7 | -21.2 | less-open | 56 | 183 | 170 | 80 | 5 | S | 166-200 | 34 | 6.4E-04 | 1.8E+00 | 0.7 | -- | -- | -- | -- | 1.4 | -- |
| MW-59 | 51 | 36.8 | -22.3 | less-open | 60 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | 6.4E-04 | 1.8E+00 | 1.1 | -- | -- | 3.2 | -- | -- | -- |
| MW-59 | 52 | 37.1 | -22.6 | less-open | 59 | 189 | 176 | 86 | 5 | S | 166-200 | 34 | 6.4E-04 | 1.8E+00 | 0.3 | -- | -- | -- | -- | 1.4 | -- |
| MW-59 | 53 | 37.6 | -23.1 | less-open | 55 | 137 | 124 | 34 | 1 | SE | 116-165 | 49 | 6.4E-04 | 1.8E+00 | 0.6 | 7.4 | -- | -- | -- | -- | -- |
| MW-59 | 54 | 37.9 | -23.4 | less-open | 57 | 132 | 119 | 29 | 1 | SE | 116-165 | 49 | 6.4E-04 | 1.8E+00 | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-59 | 55 | 38.2 | -23.7 | less-open | 71 | 198 | 185 | 95 | 5 | S | 166-200 | 34 | 6.4E-04 | 1.8E+00 | 0.3 | -- | -- | -- | -- | 1.2 | -- |
| MW-59 | 56 | 38.6 | -24.1 | less-open | 62 | 175 | 162 | 72 | 1 | SE | 116-165 | 49 | 6.4E-04 | 1.8E+00 | 0.4 | 0.8 | -- | -- | -- | -- | -- |
| MW-59 | 57 | 39.7 | -25.1 | less-open | 43 | 166 | 153 | 63 | 1 | SE | 116-165 | 49 | 6.4E-04 | 1.8E+00 | 1.0 | 1.0 | -- | -- | -- | -- | -- |
| MW-59 | 58 | 41.7 | -27.1 | less-open | 44 | 339 | 326 | 236 | 2 | NW | 291-335 | 44 | 6.4E-04 | 1.8E+00 | 2.0 | -- | 6.7 | -- | -- | -- | -- |
| MW-59 | 59 | 42.2 | -27.7 | less-open | 15 | 212 | 199 | 109 | NSR | NSR | NSR | NSR | 6.4E-04 | 1.8E+00 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-59 | 60 | 42.5 | -28.0 | less-open | 49 | 254 | 241 | 151 | NSR | NSR | NSR | NSR | 6.4E-04 | 1.8E+00 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-59 | 61 | 42.8 | -28.3 | less-open | 54 | 156 | 143 | 53 | 1 | SE | 116-165 | 49 | 6.4E-04 | 1.8E+00 | 0.3 | 3.1 | -- | -- | -- | -- | -- |
| MW-59 | 62 | 42.9 | -28.4 | less-open | 46 | 158 | 145 | 55 | 1 | SE | 116-165 | 49 | 6.4E-04 | 1.8E+00 | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-59 | 63 | 43.1 | -28.6 | less-open | 23 | 146 | 133 | 43 | NSR | NSR | NSR | NSR | 6.4E-04 | 1.8E+00 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-59 | 64 | 43.4 | -28.9 | less-open | 48 | 120 | 107 | 17 | 3 | E | 70-115 | 45 | 6.4E-04 | 1.8E+00 | 0.3 | -- | -- | 6.6 | -- | -- | -- |
| MW-59 | 65 | 43.5 | -29.0 | less-open | 19 | 181 | 168 | 78 | NSR | NSR | NSR | NSR | 6.4E-04 | 1.8E+00 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-59 | 66 | 43.5 | -29.0 | less-open | 67 | 197 | 184 | 94 | 5 | S | 166-200 | 34 | 6.4E-04 | 1.8E+00 | 0.1 | -- | -- | -- | -- | 5.3 | -- |
| MW-59 | 67 | 43.7 | -29.2 | less-open | 41 | 180 | 167 | 77 | 5 | S | 166-200 | 34 | 6.4E-04 | 1.8E+00 | 0.2 | -- | -- | -- | -- | 0.2 | -- |
| MW-59 | 68 | 44.6 | -30.1 | less-open | 46 | 182 | 169 | 79 | 5 | S | 166-200 | 34 | 6.4E-04 | 1.8E+00 | 0.9 | -- | -- | -- | -- | 0.9 | -- |
| MW-59 | 69 | 44.7 | -30.1 | less-open | 14 | 214 | 201 | 111 | NSR | NSR | NSR | NSR | 6.4E-04 | 1.8E+00 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-59 | 70 | 45.1 | -30.6 | less-open | 66 | 196 | 183 | 93 | 5 | S | 166-200 | 34 | 6.4E-04 | 1.8E+00 | 0.4 | -- | -- | -- | -- | 0.5 | -- |
| MW-59 | 71 | 46.0 | -31.4 | less-open | 52 | 167 | 154 | 64 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.9 | 3.1 | -- | -- | -- | -- | -- |
| MW-59 | 72 | 46.4 | -31.9 | less-open | 51 | 325 | 312 | 222 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.5 | -- | 4.8 | -- | -- | -- | -- |
| MW-59 | 73 | 46.4 | -31.9 | less-open | 38 | 187 | 174 | 84 | 5 | S | 166-200 | 34 | TNP | TNP | 0.0 | -- | -- | -- | -- | 1.3 | -- |
| MW-59 | 74 | 46.7 | -32.2 | less-open | 61 | 209 | 196 | 106 | 5 | S | 166-200 | 34 | TNP | TNP | 0.3 | -- | -- | -- | -- | 0.3 | -- |
| MW-59 | 75 | 47.6 | -33.1 | less-open | 42 | 339 | 326 | 236 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.9 | -- | 1.2 | -- | -- | -- | -- |
| MW-59 | 76 | 48.0 | -33.5 | less-open | 45 | 329 | 316 | 226 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.4 | -- | 0.4 | -- | -- | -- | -- |
| MW-59 | 77 | 48.3 | -33.7 | less-open | 55 | 136 | 123 | 33 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.3 | 2.3 | -- | -- | -- | -- | -- |
| MW-59 | 78 | 48.4 | -33.9 | less-open | 59 | 157 | 144 | 54 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-59 | 79 | 48.5 | -33.9 | less-open | 43 | 323 | 310 | 220 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.1 | -- | 0.5 | -- | -- | -- | -- |
| MW-59 | 80 | 48.7 | -34.2 | less-open | 57 | 141 | 128 | 38 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.2 | 0.3 | -- | -- | -- | -- | -- |
| MW-59 | 81 | 49.4 | -34.9 | less-open | 35 | 310 | 297 | 207 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.7 | -- | 0.9 | -- | -- | -- | -- |
| MW-59 | 82 | 49.8 | -35.2 | less-open | 36 | 305 | 292 | 202 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-59 | 83 | 50.2 | -35.7 | less-open | 42 | 343 | 330 | 240 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.5 | -- | 0.5 | -- | -- | -- | -- |
| MW-59 | 84 | 50.4 | -35.9 | less-open | 40 | 329 | 316 | 226 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-59 | 85 | 50.6 | -36.1 | less-open | 45 | 212 | 199 | 109 | 5 | S | 166-200 | 34 | TNP | TNP | 0.2 | -- | -- | -- | -- | 3.9 | -- |
| MW-59 | 86 | 50.9 | -36.4 | less-open | 48 | 135 | 122 | 32 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.4 | 2.3 | -- | -- | -- | -- | -- |
| MW-59 | 87 | 51.4 | -36.9 | less-open | 42 | 332 | 319 | 229 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.5 | -- | 1.0 | -- | -- | -- | -- |
| MW-59 | 88 | 51.7 | -37.1 | less-open | 30 | 324 | 311 | 221 | NSR | NSR | NSR | NSR | TNP | TNP | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-59 | 89 | 51.8 | -37.3 | less-open | 43 | 320 | 307 | 217 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.1 | -- | 0.4 | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-59 | 90 | 52.2 | -37.6 | less-open | 43 | 314 | 301 | 211 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.4 | -- | 0.4 | -- | -- | -- | -- |
| MW-59 | 91 | 52.5 | -38.0 | less-open | 61 | 203 | 190 | 100 | 5 | S | 166-200 | 34 | TNP | TNP | 0.3 | -- | -- | -- | -- | 1.9 | -- |
| MW-59 | 92 | 52.9 | -38.4 | less-open | 36 | 320 | 307 | 217 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.4 | -- | 0.8 | -- | -- | -- | -- |
| MW-59 | 93 | 53.1 | -38.5 | less-open | 66 | 193 | 180 | 90 | 5 | S | 166-200 | 34 | 7.1E-05 | 2.0E-01 | 0.1 | -- | -- | -- | -- | 0.6 | -- |
| MW-59 | 94 | 53.3 | -38.8 | less-open | 39 | 338 | 325 | 235 | 2 | NW | 291-335 | 44 | 7.1E-05 | 2.0E-01 | 0.3 | -- | 0.4 | -- | -- | -- | -- |
| MW-59 | 95 | 53.5 | -39.0 | less-open | 36 | 320 | 307 | 217 | 2 | NW | 291-335 | 44 | 7.1E-05 | 2.0E-01 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-59 | 96 | 54.2 | -39.7 | less-open | 35 | 325 | 312 | 222 | 2 | NW | 291-335 | 44 | 7.1E-05 | 2.0E-01 | 0.7 | -- | 0.7 | -- | -- | -- | -- |
| MW-59 | 97 | 55.0 | -40.5 | less-open | 72 | 214 | 201 | 111 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-59 | 98 | 55.3 | -40.8 | less-open | 70 | 203 | 190 | 100 | 5 | S | 166-200 | 34 | 7.1E-05 | 2.0E-01 | 0.3 | -- | -- | -- | -- | 2.3 | -- |
| MW-59 | 99 | 55.4 | -40.9 | less-open | 36 | 327 | 314 | 224 | 2 | NW | 291-335 | 44 | 7.1E-05 | 2.0E-01 | 0.1 | -- | 1.2 | -- | -- | -- | -- |
| MW-59 | 100 | 55.5 | -41.0 | less-open | 66 | 208 | 195 | 105 | 5 | S | 166-200 | 34 | 7.1E-05 | 2.0E-01 | 0.1 | -- | -- | -- | -- | 0.2 | -- |
| MW-59 | 101 | 55.7 | -41.1 | less-open | 31 | 298 | 285 | 195 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-59 | 102 | 56.7 | -42.2 | less-open | 18 | 312 | 299 | 209 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 1.1 | -- | -- | -- | -- | -- | -- |
| MW-59 | 103 | 57.2 | -42.7 | less-open | 39 | 331 | 318 | 228 | 2 | NW | 291-335 | 44 | 7.1E-05 | 2.0E-01 | 0.4 | -- | 1.7 | -- | -- | -- | -- |
| MW-59 | 104 | 57.3 | -42.8 | less-open | 34 | 318 | 305 | 215 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-59 | 105 | 57.5 | -42.9 | less-open | 47 | 324 | 311 | 221 | 2 | NW | 291-335 | 44 | 7.1E-05 | 2.0E-01 | 0.2 | -- | 0.3 | -- | -- | -- | -- |
| MW-59 | 106 | 57.8 | -43.3 | less-open | 75 | 189 | 176 | 86 | 5 | S | 166-200 | 34 | 7.1E-05 | 2.0E-01 | 0.3 | -- | -- | -- | -- | 2.3 | -- |
| MW-59 | 107 | 58.2 | -43.6 | less-open | 27 | 320 | 307 | 217 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-59 | 108 | 58.2 | -43.7 | less-open | 32 | 312 | 299 | 209 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-59 | 109 | 58.3 | -43.8 | less-open | 48 | 310 | 297 | 207 | 2 | NW | 291-335 | 44 | 7.1E-05 | 2.0E-01 | 0.0 | -- | 0.8 | -- | -- | -- | -- |
| MW-59 | 110 | 58.4 | -43.9 | less-open | 36 | 314 | 301 | 211 | 2 | NW | 291-335 | 44 | 7.1E-05 | 2.0E-01 | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-59 | 111 | 58.8 | -44.2 | less-open | 56 | 186 | 173 | 83 | 5 | S | 166-200 | 34 | 7.1E-05 | 2.0E-01 | 0.3 | -- | -- | -- | -- | 1.0 | -- |
| MW-59 | 112 | 59.9 | -45.4 | less-open | 36 | 336 | 323 | 233 | 2 | NW | 291-335 | 44 | 7.1E-05 | 2.0E-01 | 1.1 | -- | 1.5 | -- | -- | -- | -- |
| MW-59 | 113 | 60.1 | -45.6 | less-open | 40 | 351 | 338 | 248 | 6 | N | 336-21 | 45 | 7.1E-05 | 2.0E-01 | 0.2 | -- | -- | -- | -- | -- | 26.0 |
| MW-59 | 114 | 60.3 | -45.8 | less-open | 34 | 329 | 316 | 226 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-59 | 115 | 60.4 | -45.9 | less-open | 38 | 340 | 327 | 237 | 2 | NW | 291-335 | 44 | 7.1E-05 | 2.0E-01 | 0.1 | -- | 0.5 | -- | -- | -- | -- |
| MW-59 | 116 | 60.6 | -46.1 | less-open | 73 | 184 | 171 | 81 | 5 | S | 166-200 | 34 | 7.1E-05 | 2.0E-01 | 0.2 | -- | -- | -- | -- | 1.9 | -- |
| MW-59 | 117 | 60.7 | -46.1 | less-open | 35 | 323 | 310 | 220 | 2 | NW | 291-335 | 44 | 7.1E-05 | 2.0E-01 | 0.0 | -- | 0.2 | -- | -- | -- | -- |
| MW-59 | 118 | 61.0 | -46.5 | less-open | 72 | 104 | 91 | 1 | 3 | E | 70-115 | 45 | 7.1E-05 | 2.0E-01 | 0.4 | -- | -- | 17.6 | -- | -- | -- |
| MW-59 | 119 | 61.5 | -47.0 | less-open | 66 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | 7.1E-05 | 2.0E-01 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-59 | 120 | 62.0 | -47.4 | less-open | 40 | 328 | 315 | 225 | 2 | NW | 291-335 | 44 | 7.1E-05 | 2.0E-01 | 0.5 | -- | 1.3 | -- | -- | -- | -- |
| MW-59 | 121 | 62.1 | -47.6 | less-open | 62 | 144 | 131 | 41 | 1 | SE | 116-165 | 49 | 7.1E-05 | 2.0E-01 | 0.2 | 11.2 | -- | -- | -- | -- | -- |
| MW-59 | 122 | 62.6 | -48.1 | less-open | 10 | 12 | 359 | 269 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-59 | 123 | 62.9 | -48.4 | less-open | 22 | 310 | 297 | 207 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-59 | 124 | 63.2 | -48.7 | less-open | 67 | 135 | 122 | 32 | 1 | SE | 116-165 | 49 | 7.1E-05 | 2.0E-01 | 0.3 | 1.1 | -- | -- | -- | -- | -- |
| MW-59 | 125 | 63.2 | -48.7 | less-open | 51 | 313 | 300 | 210 | 2 | NW | 291-335 | 44 | 7.1E-05 | 2.0E-01 | 0.0 | -- | 1.3 | -- | -- | -- | -- |
| MW-59 | 126 | 63.8 | -49.3 | less-open | 26 | 123 | 110 | 20 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-59 | 127 | 65.4 | -50.9 | less-open | 30 | 297 | 284 | 194 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 1.6 | -- | -- | -- | -- | -- | -- |
| MW-59 | 128 | 65.5 | -51.0 | less-open | 31 | 301 | 288 | 198 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-59 | 129 | 67.4 | -52.9 | less-open | 60 | 158 | 145 | 55 | 1 | SE | 116-165 | 49 | 7.1E-05 | 2.0E-01 | 1.9 | 4.2 | -- | -- | -- | -- | -- |
| MW-59 | 130 | 67.7 | -53.1 | less-open | 40 | 320 | 307 | 217 | 2 | NW | 291-335 | 44 | 7.1E-05 | 2.0E-01 | 0.2 | -- | 4.4 | -- | -- | -- | -- |
| MW-59 | 131 | 67.9 | -53.4 | less-open | 41 | 322 | 309 | 219 | 2 | NW | 291-335 | 44 | 7.1E-05 | 2.0E-01 | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-59 | 132 | 68.1 | -53.6 | less-open | 41 | 319 | 306 | 216 | 2 | NW | 291-335 | 44 | 7.1E-05 | 2.0E-01 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-59 | 133 | 70.4 | -55.9 | less-open | 45 | 322 | 309 | 219 | 2 | NW | 291-335 | 44 | TNP | TNP | 2.3 | -- | 2.3 | -- | -- | -- | -- |
| MW-59 | 134 | 70.8 | -56.3 | less-open | 46 | 306 | 293 | 203 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.4 | -- | 0.4 | -- | -- | -- | -- |
| MW-59 | 135 | 70.9 | -56.4 | less-open | 45 | 311 | 298 | 208 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-59 | 136 | 71.0 | -56.5 | less-open | 48 | 312 | 299 | 209 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-59 | 137 | 71.2 | -56.7 | less-open | 39 | 318 | 305 | 215 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-59 | 138 | 71.3 | -56.8 | less-open | 42 | 307 | 294 | 204 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-59 | 139 | 71.4 | -56.9 | less-open | 37 | 307 | 294 | 204 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-59 | 140 | 72.3 | -57.8 | less-open | 39 | 304 | 291 | 201 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.9 | -- | 0.9 | -- | -- | -- | -- |
| MW-59 | 141 | 73.6 | -59.1 | less-open | 62 | 121 | 108 | 18 | 3 | E | 70-115 | 45 | TNP | TNP | 1.3 | -- | -- | 12.1 | -- | -- | -- |
| MW-59 | 142 | 73.7 | -59.2 | less-open | 14 | 33 | 20 | 290 | NSR | NSR | NSR | NSR | TNP | TNP | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-59 | 143 | 74.3 | -59.7 | less-open | 23 | 316 | 303 | 213 | NSR | NSR | NSR | NSR | TNP | TNP | 0.5 | -- | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-59 | 144 | 74.7 | -60.2 | less-open | 29 | 305 | 292 | 202 | NSR | NSR | NSR | NSR | TNP | TNP | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-59 | 145 | 75.2 | -60.7 | less-open | 87 | 342 | 329 | 239 | NSR | NSR | NSR | NSR | TNP | TNP | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-59 | 146 | 76.3 | -61.7 | less-open | 88 | 316 | 303 | 213 | NSR | NSR | NSR | NSR | TNP | TNP | 1.1 | -- | -- | -- | -- | -- | -- |
| MW-60 | 1 | 10.40 | 3.9 | less-open | 36 | 296 | 283 | 193 | 4 | W | 245-290 | 45 | TNP | TNP | NA | -- | -- | -- | 10.4 | -- | -- |
| MW-60 | 2 | 11.96 | 2.4 | less-open | 36 | 104 | 91 | 1 | 3 | E | 70-115 | 45 | TNP | TNP | 1.6 | -- | -- | 12.0 | -- | -- | -- |
| MW-60 | 3 | 12.08 | 2.2 | less-open | 51 | 300 | 287 | 197 | 4 | W | 245-290 | 45 | TNP | TNP | 0.1 | -- | -- | -- | 1.7 | -- | -- |
| MW-60 | 4 | 13.20 | 1.1 | less-open | 39 | 304 | 291 | 201 | 2 | NW | 291-335 | 44 | 0.0E+00 | 0.0E+00 | 1.1 | -- | 13.2 | -- | -- | -- | -- |
| MW-60 | 5 | 14.40 | -0.1 | less-open | 62 | 276 | 263 | 173 | 4 | W | 245-290 | 45 | 0.0E+00 | 0.0E+00 | 1.2 | -- | -- | -- | 2.3 | -- | -- |
| MW-60 | 6 | 14.49 | -0.2 | less-open | 35 | 144 | 131 | 41 | 1 | SE | 116-165 | 49 | 0.0E+00 | 0.0E+00 | 0.1 | 14.5 | -- | -- | -- | -- | -- |
| MW-60 | 7 | 16.02 | -1.7 | less-open | 58 | 104 | 91 | 1 | 3 | E | 70-115 | 45 | 0.0E+00 | 0.0E+00 | 1.5 | -- | -- | 4.1 | -- | -- | -- |
| MW-60 | 8 | 16.86 | -2.6 | less-open | 60 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | 0.0E+00 | 0.0E+00 | 0.8 | -- | -- | 0.8 | -- | -- | -- |
| MW-60 | 9 | 18.00 | -3.7 | less-open | 61 | 283 | 270 | 180 | 4 | W | 245-290 | 45 | 0.0E+00 | 0.0E+00 | 1.1 | -- | -- | -- | 3.6 | -- | -- |
| MW-60 | 10 | 19.74 | -5.4 | less-open | 49 | 38 | 25 | 295 | NSR | NSR | NSR | NSR | 0.0E+00 | 0.0E+00 | 1.7 | -- | -- | -- | -- | -- | -- |
| MW-60 | 11 | 20.11 | -5.8 | less-open | 31 | 249 | 236 | 146 | NSR | NSR | NSR | NSR | 0.0E+00 | 0.0E+00 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-60 | 12 | 20.46 | -6.2 | less-open | 47 | 113 | 100 | 10 | 3 | E | 70-115 | 45 | 0.0E+00 | 0.0E+00 | 0.4 | -- | -- | 3.6 | -- | -- | -- |
| MW-60 | 13 | 22.94 | -8.6 | less-open | 52 | 315 | 302 | 212 | 2 | NW | 291-335 | 44 | 0.0E+00 | 0.0E+00 | 2.5 | -- | 9.7 | -- | -- | -- | -- |
| MW-60 | 14 | 27.05 | -12.7 | less-open | 35 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | 0.0E+00 | 0.0E+00 | 4.1 | 12.6 | -- | -- | -- | -- | -- |
| MW-60 | 15 | 29.75 | -15.4 | less-open | 54 | 100 | 87 | 357 | 3 | E | 70-115 | 45 | 0.0E+00 | 0.0E+00 | 2.7 | -- | -- | 9.3 | -- | -- | -- |
| MW-60 | 16 | 36.27 | -22.0 | less-open | 57 | 222 | 209 | 119 | NSR | NSR | NSR | NSR | 9.0E-06 | 2.6E-02 | 6.5 | -- | -- | -- | -- | -- | -- |
| MW-60 | 17 | 36.47 | -22.2 | less-open | 61 | 331 | 318 | 228 | 2 | NW | 291-335 | 44 | 9.0E-06 | 2.6E-02 | 0.2 | -- | 13.5 | -- | -- | -- | -- |
| MW-60 | 18 | 36.99 | -22.7 | open | 48 | 303 | 290 | 200 | 4 | W | 245-290 | 45 | 9.0E-06 | 2.6E-02 | 0.5 | -- | -- | -- | 19.0 | -- | -- |
| MW-60 | 19 | 37.39 | -23.1 | less-open | 39 | 323 | 310 | 220 | 2 | NW | 291-335 | 44 | 9.0E-06 | 2.6E-02 | 0.4 | -- | 0.9 | -- | -- | -- | -- |
| MW-60 | 20 | 38.54 | -24.2 | less-open | 13 | 25 | 12 | 282 | NSR | NSR | NSR | NSR | 9.0E-06 | 2.6E-02 | 1.2 | -- | -- | -- | -- | -- | -- |
| MW-60 | 21 | 39.31 | -25.0 | less-open | 63 | 119 | 106 | 16 | 3 | E | 70-115 | 45 | 9.0E-06 | 2.6E-02 | 0.8 | -- | -- | 9.6 | -- | -- | -- |
| MW-60 | 22 | 39.73 | -25.4 | less-open | 59 | 110 | 97 | 7 | 3 | E | 70-115 | 45 | 9.0E-06 | 2.6E-02 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-60 | 23 | 40.60 | -26.3 | less-open | 72 | 125 | 112 | 22 | 3 | E | 70-115 | 45 | 9.0E-06 | 2.6E-02 | 0.9 | -- | -- | 0.9 | -- | -- | -- |
| MW-60 | 24 | 43.20 | -28.9 | less-open | 58 | 205 | 192 | 102 | 5 | S | 166-200 | 34 | 9.0E-06 | 2.6E-02 | 2.6 | -- | -- | -- | -- | 43.2 | -- |
| MW-60 | 25 | 49.41 | -35.1 | less-open | 45 | 132 | 119 | 29 | 1 | SE | 116-165 | 49 | 2.9E-04 | 8.3E-01 | 6.2 | 22.4 | -- | -- | -- | -- | -- |
| MW-60 | 26 | 50.09 | -35.8 | less-open | 86 | 147 | 134 | 44 | NSR | NSR | NSR | NSR | 2.9E-04 | 8.3E-01 | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-60 | 27 | 52.30 | -38.0 | less-open | 42 | 314 | 301 | 211 | 2 | NW | 291-335 | 44 | 2.9E-04 | 8.3E-01 | 2.2 | -- | 14.9 | -- | -- | -- | -- |
| MW-60 | 28 | 52.64 | -38.3 | less-open | 31 | 9 | 356 | 266 | NSR | NSR | NSR | NSR | 2.9E-04 | 8.3E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-60 | 29 | 52.82 | -38.5 | less-open | 42 | 337 | 324 | 234 | 2 | NW | 291-335 | 44 | 2.9E-04 | 8.3E-01 | 0.2 | -- | 0.5 | -- | -- | -- | -- |
| MW-60 | 30 | 53.12 | -38.8 | less-open | 62 | 354 | 341 | 251 | 6 | N | 336-21 | 45 | 2.9E-04 | 8.3E-01 | 0.3 | -- | -- | -- | -- | -- | 53.1 |
| MW-60 | 31 | 53.64 | -39.3 | less-open | 23 | 331 | 318 | 228 | NSR | NSR | NSR | NSR | 2.9E-04 | 8.3E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-60 | 32 | 54.14 | -39.8 | less-open | 68 | 274 | 261 | 171 | 4 | W | 245-290 | 45 | 2.9E-04 | 8.3E-01 | 0.5 | -- | -- | -- | 17.2 | -- | -- |
| MW-60 | 33 | 54.14 | -39.8 | less-open | 59 | 259 | 246 | 156 | 4 | W | 245-290 | 45 | 2.9E-04 | 8.3E-01 | 0.0 | -- | -- | -- | 0.0 | -- | -- |
| MW-60 | 34 | 54.42 | -40.1 | open | 22 | 342 | 329 | 239 | NSR | NSR | NSR | NSR | 2.9E-04 | 8.3E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-60 | 35 | 55.83 | -41.5 | open | 59 | 325 | 312 | 222 | 2 | NW | 291-335 | 44 | 2.9E-04 | 8.3E-01 | 1.4 | -- | 3.0 | -- | -- | -- | -- |
| MW-60 | 36 | 55.86 | -41.6 | less-open | 5 | 254 | 241 | 151 | NSR | NSR | NSR | NSR | 2.9E-04 | 8.3E-01 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-60 | 37 | 56.89 | -42.6 | less-open | 42 | 326 | 313 | 223 | 2 | NW | 291-335 | 44 | 2.9E-04 | 8.3E-01 | 1.0 | -- | 1.1 | -- | -- | -- | -- |
| MW-60 | 38 | 57.06 | -42.8 | less-open | 58 | 304 | 291 | 201 | 2 | NW | 291-335 | 44 | 2.9E-04 | 8.3E-01 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-60 | 39 | 57.62 | -43.3 | less-open | 73 | 326 | 313 | 223 | 2 | NW | 291-335 | 44 | 2.9E-04 | 8.3E-01 | 0.6 | -- | 0.6 | -- | -- | -- | -- |
| MW-60 | 40 | 58.23 | -43.9 | less-open | 75 | 327 | 314 | 224 | 2 | NW | 291-335 | 44 | 2.9E-04 | 8.3E-01 | 0.6 | -- | 0.6 | -- | -- | -- | -- |
| MW-60 | 41 | 58.78 | -44.5 | less-open | 78 | 337 | 324 | 234 | 2 | NW | 291-335 | 44 | 2.9E-04 | 8.3E-01 | 0.6 | -- | 0.6 | -- | -- | -- | -- |
| MW-60 | 42 | 59.00 | -44.7 | less-open | 76 | 352 | 339 | 249 | 6 | N | 336-21 | 45 | 2.9E-04 | 8.3E-01 | 0.2 | -- | -- | -- | -- | -- | 5.9 |
| MW-60 | 43 | 60.03 | -45.7 | less-open | 53 | 307 | 294 | 204 | 2 | NW | 291-335 | 44 | TNP | TNP | 1.0 | -- | 1.3 | -- | -- | -- | -- |
| MW-60 | 44 | 60.07 | -45.8 | less-open | 52 | 147 | 134 | 44 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.0 | 10.7 | -- | -- | -- | -- | -- |
| MW-60 | 45 | 60.65 | -46.3 | less-open | 62 | 337 | 324 | 234 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.6 | -- | 0.6 | -- | -- | -- | -- |
| MW-60 | 46 | 60.67 | -46.4 | less-open | 70 | 149 | 136 | 46 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.0 | 0.6 | -- | -- | -- | -- | -- |
| MW-60 | 47 | 61.21 | -46.9 | less-open | 36 | 110 | 97 | 7 | 3 | E | 70-115 | 45 | TNP | TNP | 0.5 | -- | -- | 20.6 | -- | -- | -- |
| MW-60 | 48 | 61.99 | -47.7 | less-open | 53 | 330 | 317 | 227 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.8 | -- | 1.3 | -- | -- | -- | -- |
| MW-60 | 49 | 62.23 | -47.9 | less-open | 59 | 325 | 312 | 222 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-60 | 50 | 63.97 | -49.7 | less-open | 63 | 307 | 294 | 204 | 2 | NW | 291-335 | 44 | TNP | TNP | 1.7 | -- | 1.7 | -- | -- | -- | -- |
| MW-60 | 51 | 64.16 | -49.9 | less-open | 69 | 325 | 312 | 222 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.2 | -- | 0.2 | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-60 | 52 | 64.25 | -49.9 | less-open | 49 | 312 | 299 | 209 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-60 | 53 | 64.32 | -50.0 | less-open | 68 | 202 | 189 | 99 | 5 | S | 166-200 | 34 | TNP | TNP | 0.1 | -- | -- | -- | -- | 21.1 | -- |
| MW-60 | 54 | 64.33 | -50.0 | less-open | 46 | 299 | 286 | 196 | 4 | W | 245-290 | 45 | TNP | TNP | 0.0 | -- | -- | -- | 10.2 | -- | -- |
| MW-60 | 55 | 65.01 | -50.7 | less-open | 73 | 197 | 184 | 94 | 5 | S | 166-200 | 34 | TNP | TNP | 0.7 | -- | -- | -- | -- | 0.7 | -- |
| MW-60 | 56 | 65.45 | -51.1 | less-open | 63 | 313 | 300 | 210 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.4 | -- | 1.2 | -- | -- | -- | -- |
| MW-60 | 57 | 66.44 | -52.1 | less-open | 64 | 308 | 295 | 205 | 2 | NW | 291-335 | 44 | TNP | TNP | 1.0 | -- | 1.0 | -- | -- | -- | -- |
| MW-60 | 58 | 68.01 | -53.7 | less-open | 77 | 323 | 310 | 220 | 2 | NW | 291-335 | 44 | TNP | TNP | 1.6 | -- | 1.6 | -- | -- | -- | -- |
| MW-60 | 59 | 68.29 | -54.0 | less-open | 74 | 300 | 287 | 197 | 4 | W | 245-290 | 45 | TNP | TNP | 0.3 | -- | -- | -- | 4.0 | -- | -- |
| MW-60 | 60 | 69.39 | -55.1 | less-open | 42 | 127 | 114 | 24 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 1.1 | -- | -- | 8.2 | -- | -- | -- |
| MW-60 | 61 | 69.59 | -55.3 | less-open | 40 | 131 | 118 | 28 | 1 | SE | 116-165 | 49 | 1.4E-04 | 4.0E-01 | 0.2 | 8.9 | -- | -- | -- | -- | -- |
| MW-60 | 62 | 69.83 | -55.5 | less-open | 67 | 293 | 280 | 190 | 4 | W | 245-290 | 45 | 1.4E-04 | 4.0E-01 | 0.2 | -- | -- | -- | 1.5 | -- | -- |
| MW-60 | 63 | 70.53 | -56.2 | less-open | 70 | 309 | 296 | 206 | 2 | NW | 291-335 | 44 | 1.4E-04 | 4.0E-01 | 0.7 | -- | 2.5 | -- | -- | -- | -- |
| MW-60 | 64 | 70.67 | -56.4 | less-open | 54 | 103 | 90 | 0 | 3 | E | 70-115 | 45 | 1.4E-04 | 4.0E-01 | 0.1 | -- | -- | 1.3 | -- | -- | -- |
| MW-60 | 65 | 71.50 | -57.2 | less-open | 71 | 324 | 311 | 221 | 2 | NW | 291-335 | 44 | 1.4E-04 | 4.0E-01 | 0.8 | -- | 1.0 | -- | -- | -- | -- |
| MW-60 | 66 | 71.80 | -57.5 | less-open | 63 | 320 | 307 | 217 | 2 | NW | 291-335 | 44 | 1.4E-04 | 4.0E-01 | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-60 | 67 | 72.77 | -58.5 | less-open | 60 | 319 | 306 | 216 | 2 | NW | 291-335 | 44 | 1.4E-04 | 4.0E-01 | 1.0 | -- | 1.0 | -- | -- | -- | -- |
| MW-60 | 68 | 73.78 | -59.5 | less-open | 60 | 325 | 312 | 222 | 2 | NW | 291-335 | 44 | 1.4E-04 | 4.0E-01 | 1.0 | -- | 1.0 | -- | -- | -- | -- |
| MW-60 | 69 | 74.10 | -59.8 | less-open | 62 | 310 | 297 | 207 | 2 | NW | 291-335 | 44 | 1.4E-04 | 4.0E-01 | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-60 | 70 | 74.40 | -60.1 | less-open | 67 | 275 | 262 | 172 | 4 | W | 245-290 | 45 | 1.4E-04 | 4.0E-01 | 0.3 | -- | -- | -- | 4.6 | -- | -- |
| MW-60 | 71 | 74.83 | -60.5 | less-open | 15 | 80 | 67 | 337 | NSR | NSR | NSR | NSR | 1.4E-04 | 4.0E-01 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-60 | 72 | 74.95 | -60.6 | less-open | 66 | 186 | 173 | 83 | 5 | S | 166-200 | 34 | 1.4E-04 | 4.0E-01 | 0.1 | -- | -- | -- | -- | 9.9 | -- |
| MW-60 | 73 | 75.20 | -60.9 | less-open | 69 | 187 | 174 | 84 | 5 | S | 166-200 | 34 | 1.4E-04 | 4.0E-01 | 0.3 | -- | -- | -- | -- | 0.3 | -- |
| MW-60 | 74 | 75.96 | -61.7 | less-open | 46 | 315 | 302 | 212 | 2 | NW | 291-335 | 44 | 1.4E-04 | 4.0E-01 | 0.8 | -- | 1.9 | -- | -- | -- | -- |
| MW-60 | 75 | 76.39 | -62.1 | less-open | 43 | 323 | 310 | 220 | 2 | NW | 291-335 | 44 | 1.4E-04 | 4.0E-01 | 0.4 | -- | 0.4 | -- | -- | -- | -- |
| MW-60 | 76 | 77.23 | -62.9 | less-open | 17 | 354 | 341 | 251 | NSR | NSR | NSR | NSR | 1.4E-04 | 4.0E-01 | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-60 | 77 | 77.34 | -63.0 | less-open | 21 | 38 | 25 | 295 | NSR | NSR | NSR | NSR | 1.4E-04 | 4.0E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-60 | 78 | 78.12 | -63.8 | less-open | 68 | 284 | 271 | 181 | 4 | W | 245-290 | 45 | 1.4E-04 | 4.0E-01 | 0.8 | -- | -- | -- | 3.7 | -- | -- |
| MW-60 | 79 | 78.69 | -64.4 | less-open | 80 | 221 | 208 | 118 | NSR | NSR | NSR | NSR | 1.4E-04 | 4.0E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-60 | 80 | 84.49 | -70.2 | less-open | 48 | 318 | 305 | 215 | 2 | NW | 291-335 | 44 | TNP | TNP | 5.8 | -- | 8.1 | -- | -- | -- | -- |
| MW-60 | 81 | 84.71 | -70.4 | less-open | 56 | 325 | 312 | 222 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-60 | 82 | 85.36 | -71.1 | less-open | 48 | 304 | 291 | 201 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.7 | -- | 0.7 | -- | -- | -- | -- |
| MW-60 | 83 | 90.85 | -76.5 | less-open | 31 | 31 | 18 | 288 | NSR | NSR | NSR | NSR | 9.5E-05 | 2.7E-01 | 5.5 | -- | -- | -- | -- | -- | -- |
| MW-60 | 84 | 91.38 | -77.1 | less-open | 73 | 158 | 145 | 55 | 1 | SE | 116-165 | 49 | 9.5E-05 | 2.7E-01 | 0.5 | 21.8 | -- | -- | -- | -- | -- |
| MW-60 | 85 | 91.64 | -77.3 | less-open | 32 | 311 | 298 | 208 | NSR | NSR | NSR | NSR | 9.5E-05 | 2.7E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-60 | 86 | 92.9 | -78.6 | less-open | 80 | 169 | 156 | 66 | 1 | SE | 116-165 | 49 | 9.5E-05 | 2.7E-01 | 1.3 | 1.5 | -- | -- | -- | -- | -- |
| MW-60 | 87 | 93.3 | -79.0 | less-open | 33 | 192 | 179 | 89 | NSR | NSR | NSR | NSR | 9.5E-05 | 2.7E-01 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-60 | 88 | 93.73 | -79.4 | less-open | 67 | 172 | 159 | 69 | 1 | SE | 116-165 | 49 | 9.5E-05 | 2.7E-01 | 0.4 | 0.8 | -- | -- | -- | -- | -- |
| MW-60 | 89 | 93.81 | -79.5 | less-open | 45 | 232 | 219 | 129 | NSR | NSR | NSR | NSR | 9.5E-05 | 2.7E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-60 | 90 | 94.97 | -80.7 | less-open | 39 | 304 | 291 | 201 | 2 | NW | 291-335 | 44 | 9.5E-05 | 2.7E-01 | 1.2 | -- | 9.6 | -- | -- | -- | -- |
| MW-60 | 91 | 95.18 | -80.9 | less-open | 53 | 196 | 183 | 93 | 5 | S | 166-200 | 34 | 9.5E-05 | 2.7E-01 | 0.2 | -- | -- | -- | -- | 20.0 | -- |
| MW-60 | 92 | 95.39 | -81.1 | less-open | 77 | 98 | 85 | 355 | 3 | E | 70-115 | 45 | 9.5E-05 | 2.7E-01 | 0.2 | -- | -- | 24.7 | -- | -- | -- |
| MW-60 | 93 | 96.46 | -82.2 | less-open | 44 | 327 | 314 | 224 | 2 | NW | 291-335 | 44 | 9.5E-05 | 2.7E-01 | 1.1 | -- | 1.5 | -- | -- | -- | -- |
| MW-60 | 94 | 98.00 | -83.7 | less-open | 68 | 288 | 275 | 185 | 4 | W | 245-290 | 45 | 9.5E-05 | 2.7E-01 | 1.5 | -- | -- | -- | 19.9 | -- | -- |
| MW-60 | 95 | 98.23 | -83.9 | less-open | 70 | 312 | 299 | 209 | 2 | NW | 291-335 | 44 | 9.5E-05 | 2.7E-01 | 0.2 | -- | 1.8 | -- | -- | -- | -- |
| MW-60 | 96 | 99.24 | -84.9 | less-open | 66 | 313 | 300 | 210 | 2 | NW | 291-335 | 44 | 4.2E-05 | 1.2E-01 | 1.0 | -- | 1.0 | -- | -- | -- | -- |
| MW-60 | 97 | 99.43 | -85.1 | less-open | 64 | 342 | 329 | 239 | 2 | NW | 291-335 | 44 | 4.2E-05 | 1.2E-01 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-60 | 98 | 100.51 | -86.2 | less-open | 68 | 268 | 255 | 165 | 4 | W | 245-290 | 45 | 4.2E-05 | 1.2E-01 | 1.1 | -- | -- | -- | 2.5 | -- | -- |
| MW-60 | 99 | 100.83 | -86.5 | less-open | 58 | 135 | 122 | 32 | 1 | SE | 116-165 | 49 | 4.2E-05 | 1.2E-01 | 0.3 | 7.1 | -- | -- | -- | -- | -- |
| MW-60 | 100 | 101.41 | -87.1 | less-open | 27 | 158 | 145 | 55 | NSR | NSR | NSR | NSR | 4.2E-05 | 1.2E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-60 | 101 | 102.04 | -87.7 | less-open | 31 | 151 | 138 | 48 | NSR | NSR | NSR | NSR | 4.2E-05 | 1.2E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-60 | 102 | 102.54 | -88.2 | less-open | 68 | 193 | 180 | 90 | 5 | S | 166-200 | 34 | 4.2E-05 | 1.2E-01 | 0.5 | -- | -- | -- | -- | 7.4 | -- |
| MW-60 | 103 | 102.94 | -88.6 | less-open | 79 | 191 | 178 | 88 | 5 | S | 166-200 | 34 | 4.2E-05 | 1.2E-01 | 0.4 | -- | -- | -- | -- | 0.4 | -- |
| MW-60 | 104 | 103.87 | -89.6 | less-open | 81 | 210 | 197 | 107 | NSR | NSR | NSR | NSR | 4.2E-05 | 1.2E-01 | 0.9 | -- | -- | -- | -- | -- | -- |
| MW-60 | 105 | 104.51 | -90.2 | less-open | 50 | 357 | 344 | 254 | 6 | N | 336-21 | 45 | 4.2E-05 | 1.2E-01 | 0.6 | -- | -- | -- | -- | -- | 45.5 |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-60 | 106 | 104.85 | -90.5 | less-open | 47 | 344 | 331 | 241 | 2 | NW | 291-335 | 44 | 4.2E-05 | 1.2E-01 | 0.3 | -- | 5.4 | -- | -- | -- | -- |
| MW-60 | 107 | 107.14 | -92.8 | less-open | 67 | 94 | 81 | 351 | 3 | E | 70-115 | 45 | 4.2E-05 | 1.2E-01 | 2.3 | -- | -- | 11.8 | -- | -- | -- |
| MW-60 | 108 | 107.23 | -92.9 | less-open | 44 | 139 | 126 | 36 | 1 | SE | 116-165 | 49 | 4.2E-05 | 1.2E-01 | 0.1 | 6.4 | -- | -- | -- | -- | -- |
| MW-60 | 109 | 107.82 | -93.5 | less-open | 20 | 95 | 82 | 352 | NSR | NSR | NSR | NSR | 4.2E-05 | 1.2E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-60 | 110 | 108.3 | -94.0 | less-open | 28 | 126 | 113 | 23 | NSR | NSR | NSR | NSR | 4.2E-05 | 1.2E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-60 | 111 | 108.86 | -94.6 | less-open | 76 | 335 | 322 | 232 | 2 | NW | 291-335 | 44 | 4.2E-05 | 1.2E-01 | 0.6 | -- | 4.0 | -- | -- | -- | -- |
| MW-60 | 112 | 109.35 | -95.0 | less-open | 70 | 310 | 297 | 207 | 2 | NW | 291-335 | 44 | 4.2E-05 | 1.2E-01 | 0.5 | -- | 0.5 | -- | -- | -- | -- |
| MW-60 | 113 | 110.23 | -95.9 | less-open | 59 | 319 | 306 | 216 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.9 | -- | 0.9 | -- | -- | -- | -- |
| MW-60 | 114 | 110.43 | -96.1 | less-open | 59 | 311 | 298 | 208 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-60 | 115 | 110.61 | -96.3 | less-open | 60 | 313 | 300 | 210 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-60 | 116 | 111.11 | -96.8 | less-open | 31 | 192 | 179 | 89 | NSR | NSR | NSR | NSR | TNP | TNP | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-60 | 117 | 111.35 | -97.0 | less-open | 34 | 150 | 137 | 47 | NSR | NSR | NSR | NSR | TNP | TNP | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-60 | 118 | 111.84 | -97.5 | less-open | 66 | 168 | 155 | 65 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.5 | 4.6 | -- | -- | -- | -- | -- |
| MW-60 | 119 | 112.38 | -98.1 | less-open | 65 | 149 | 136 | 46 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.5 | 0.5 | -- | -- | -- | -- | -- |
| MW-60 | 120 | 113.09 | -98.8 | less-open | 32 | 307 | 294 | 204 | NSR | NSR | NSR | NSR | TNP | TNP | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-60 | 121 | 113.72 | -99.4 | less-open | 31 | 329 | 316 | 226 | NSR | NSR | NSR | NSR | TNP | TNP | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-60 | 122 | 114.14 | -99.8 | less-open | 55 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | TNP | TNP | 0.4 | -- | -- | 7.0 | -- | -- | -- |
| MW-60 | 123 | 116.59 | -102.3 | less-open | 53 | 14 | 1 | 271 | 6 | N | 336-21 | 45 | 7.8E-06 | 2.2E-02 | 2.5 | -- | -- | -- | -- | -- | 12.1 |
| MW-60 | 124 | 116.89 | -102.6 | less-open | 67 | 100 | 87 | 357 | 3 | E | 70-115 | 45 | 7.8E-06 | 2.2E-02 | 0.3 | -- | -- | 2.8 | -- | -- | -- |
| MW-60 | 125 | 117.53 | -103.2 | less-open | 45 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | 7.8E-06 | 2.2E-02 | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-60 | 126 | 117.91 | -103.6 | less-open | 37 | 118 | 105 | 15 | 3 | E | 70-115 | 45 | 7.8E-06 | 2.2E-02 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-60 | 127 | 118.37 | -104.1 | less-open | 39 | 139 | 126 | 36 | 1 | SE | 116-165 | 49 | 7.8E-06 | 2.2E-02 | 0.5 | 6.0 | -- | -- | -- | -- | -- |
| MW-60 | 128 | 118.62 | -104.3 | less-open | 47 | 121 | 108 | 18 | 3 | E | 70-115 | 45 | 7.8E-06 | 2.2E-02 | 0.3 | -- | -- | 0.7 | -- | -- | -- |
| MW-60 | 129 | 119.19 | -104.9 | less-open | 74 | 330 | 317 | 227 | 2 | NW | 291-335 | 44 | 7.8E-06 | 2.2E-02 | 0.6 | -- | 8.6 | -- | -- | -- | -- |
| MW-60 | 130 | 119.59 | -105.3 | less-open | 50 | 146 | 133 | 43 | 1 | SE | 116-165 | 49 | 7.8E-06 | 2.2E-02 | 0.4 | 1.2 | -- | -- | -- | -- | -- |
| MW-60 | 131 | 119.87 | -105.6 | less-open | 36 | 143 | 130 | 40 | 1 | SE | 116-165 | 49 | 7.8E-06 | 2.2E-02 | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-60 | 132 | 120.16 | -105.9 | less-open | 30 | 121 | 108 | 18 | NSR | NSR | NSR | NSR | 7.8E-06 | 2.2E-02 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-60 | 133 | 120.64 | -106.3 | less-open | 68 | 118 | 105 | 15 | 3 | E | 70-115 | 45 | 7.8E-06 | 2.2E-02 | 0.5 | -- | -- | 2.0 | -- | -- | -- |
| MW-60 | 134 | 122.21 | -107.9 | less-open | 30 | 137 | 124 | 34 | NSR | NSR | NSR | NSR | 7.8E-06 | 2.2E-02 | 1.6 | -- | -- | -- | -- | -- | -- |
| MW-60 | 135 | 122.37 | -108.1 | less-open | 42 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | 7.8E-06 | 2.2E-02 | 0.2 | -- | -- | 1.7 | -- | -- | -- |
| MW-60 | 136 | 122.54 | -108.2 | less-open | 30 | 126 | 113 | 23 | NSR | NSR | NSR | NSR | 7.8E-06 | 2.2E-02 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-60 | 137 | 122.7 | -108.4 | less-open | 36 | 147 | 134 | 44 | 1 | SE | 116-165 | 49 | 7.8E-06 | 2.2E-02 | 0.2 | 2.8 | -- | -- | -- | -- | -- |
| MW-60 | 138 | 122.93 | -108.6 | less-open | 34 | 131 | 118 | 28 | NSR | NSR | NSR | NSR | 7.8E-06 | 2.2E-02 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-60 | 139 | 123.15 | -108.8 | less-open | 42 | 131 | 118 | 28 | 1 | SE | 116-165 | 49 | 7.8E-06 | 2.2E-02 | 0.2 | 0.5 | -- | -- | -- | -- | -- |
| MW-60 | 140 | 123.35 | -109.0 | less-open | 30 | 126 | 113 | 23 | NSR | NSR | NSR | NSR | 7.8E-06 | 2.2E-02 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-60 | 141 | 125.48 | -111.2 | less-open | 57 | 118 | 105 | 15 | 3 | E | 70-115 | 45 | 7.8E-06 | 2.2E-02 | 2.1 | -- | -- | 3.1 | -- | -- | -- |
| MW-60 | 142 | 126.31 | -112.0 | less-open | 35 | 140 | 127 | 37 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.8 | 3.2 | -- | -- | -- | -- | -- |
| MW-60 | 143 | 127.91 | -113.6 | less-open | 38 | 141 | 128 | 38 | 1 | SE | 116-165 | 49 | TNP | TNP | 1.6 | 1.6 | -- | -- | -- | -- | -- |
| MW-60 | 144 | 128.72 | -114.4 | less-open | 58 | 332 | 319 | 229 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.8 | -- | 9.5 | -- | -- | -- | -- |
| MW-60 | 145 | 128.78 | -114.5 | less-open | 40 | 144 | 131 | 41 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.1 | 0.9 | -- | -- | -- | -- | -- |
| MW-60 | 146 | 129.39 | -115.1 | less-open | 53 | 156 | 143 | 53 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.6 | 0.6 | -- | -- | -- | -- | -- |
| MW-60 | 147 | 129.83 | -115.5 | less-open | 47 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.4 | 0.4 | -- | -- | -- | -- | -- |
| MW-60 | 148 | 131.48 | -117.2 | less-open | 29 | 120 | 107 | 17 | NSR | NSR | NSR | NSR | TNP | TNP | 1.6 | -- | -- | -- | -- | -- | -- |
| MW-60 | 149 | 133.43 | -119.1 | less-open | 33 | 166 | 153 | 63 | NSR | NSR | NSR | NSR | TNP | TNP | 2.0 | -- | -- | -- | -- | -- | -- |
| MW-60 | 150 | 135.7 | -121.4 | less-open | 56 | 132 | 119 | 29 | 1 | SE | 116-165 | 49 | 1.3E-04 | 3.7E-01 | 2.3 | 5.9 | -- | -- | -- | -- | -- |
| MW-60 | 151 | 136.57 | -122.3 | open | 33 | 144 | 131 | 41 | NSR | NSR | NSR | NSR | 1.3E-04 | 3.7E-01 | 0.9 | -- | -- | -- | -- | -- | -- |
| MW-60 | 152 | 136.69 | -122.4 | open | 31 | 122 | 109 | 19 | NSR | NSR | NSR | NSR | 1.3E-04 | 3.7E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-60 | 153 | 136.82 | -122.5 | less-open | 30 | 124 | 111 | 21 | NSR | NSR | NSR | NSR | 1.3E-04 | 3.7E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-60 | 154 | 137.19 | -122.9 | less-open | 45 | 133 | 120 | 30 | 1 | SE | 116-165 | 49 | 1.3E-04 | 3.7E-01 | 0.4 | 1.5 | -- | -- | -- | -- | -- |
| MW-60 | 155 | 137.34 | -123.0 | less-open | 47 | 119 | 106 | 16 | 3 | E | 70-115 | 45 | 1.3E-04 | 3.7E-01 | 0.2 | -- | -- | 11.9 | -- | -- | -- |
| MW-60 | 156 | 137.87 | -123.6 | less-open | 33 | 147 | 134 | 44 | NSR | NSR | NSR | NSR | 1.3E-04 | 3.7E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-60 | 157 | 138.06 | -123.8 | less-open | 26 | 177 | 164 | 74 | NSR | NSR | NSR | NSR | 1.3E-04 | 3.7E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-60 | 158 | 139.39 | -125.1 | less-open | 33 | 151 | 138 | 48 | NSR | NSR | NSR | NSR | 1.3E-04 | 3.7E-01 | 1.3 | -- | -- | -- | -- | -- | -- |
| MW-60 | 159 | 140.27 | -126.0 | less-open | 35 | 131 | 118 | 28 | 1 | SE | 116-165 | 49 | 1.3E-04 | 3.7E-01 | 0.9 | 3.1 | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-60 | 160 | 140.74 | -126.4 | less-open | 34 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | 1.3E-04 | 3.7E-01 | 0.5 | 0.5 | -- | -- | -- | -- | -- |
| MW-60 | 161 | 141.43 | -127.1 | less-open | 40 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | 1.3E-04 | 3.7E-01 | 0.7 | -- | -- | 4.1 | -- | -- | -- |
| MW-60 | 162 | 142.39 | -128.1 | less-open | 33 | 141 | 128 | 38 | NSR | NSR | NSR | NSR | 1.3E-04 | 3.7E-01 | 1.0 | -- | -- | -- | -- | -- | -- |
| MW-60 | 163 | 142.5 | -128.2 | less-open | 29 | 142 | 129 | 39 | NSR | NSR | NSR | NSR | 1.3E-04 | 3.7E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-60 | 164 | 142.63 | -128.3 | less-open | 28 | 150 | 137 | 47 | NSR | NSR | NSR | NSR | 1.3E-04 | 3.7E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-60 | 165 | 142.94 | -128.6 | less-open | 30 | 137 | 124 | 34 | NSR | NSR | NSR | NSR | 1.3E-04 | 3.7E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-60 | 166 | 145.3 | -131.0 | less-open | 31 | 128 | 115 | 25 | NSR | NSR | NSR | NSR | TNP | TNP | 2.4 | -- | -- | -- | -- | -- | -- |
| MW-60 | 167 | 145.38 | -131.1 | less-open | 30 | 130 | 117 | 27 | NSR | NSR | NSR | NSR | TNP | TNP | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-60 | 168 | 146.06 | -131.8 | less-open | 33 | 151 | 138 | 48 | NSR | NSR | NSR | NSR | TNP | TNP | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-60 | 169 | 146.73 | -132.4 | less-open | 34 | 137 | 124 | 34 | NSR | NSR | NSR | NSR | TNP | TNP | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-60 | 170 | 148.94 | -134.6 | less-open | 81 | 321 | 308 | 218 | 2 | NW | 291-335 | 44 | TNP | TNP | 2.2 | -- | 20.2 | -- | -- | -- | -- |
| MW-60 | 171 | 149.76 | -135.5 | less-open | 33 | 133 | 120 | 30 | NSR | NSR | NSR | NSR | TNP | TNP | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-60 | 172 | 150.12 | -135.8 | less-open | 35 | 129 | 116 | 26 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.4 | 9.4 | -- | -- | -- | -- | -- |
| MW-60 | 173 | 150.35 | -136.0 | less-open | 39 | 131 | 118 | 28 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-60 | 174 | 150.46 | -136.2 | less-open | 35 | 120 | 107 | 17 | 3 | E | 70-115 | 45 | TNP | TNP | 0.1 | -- | -- | 9.0 | -- | -- | -- |
| MW-60 | 175 | 150.58 | -136.3 | less-open | 43 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | TNP | TNP | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-60 | 176 | 151.1 | -136.8 | less-open | 37 | 157 | 144 | 54 | 1 | SE | 116-165 | 49 | 1.9E-04 | 5.4E-01 | 0.5 | 0.8 | -- | -- | -- | -- | -- |
| MW-60 | 177 | 151.51 | -137.2 | less-open | 37 | 159 | 146 | 56 | 1 | SE | 116-165 | 49 | 1.9E-04 | 5.4E-01 | 0.4 | 0.4 | -- | -- | -- | -- | -- |
| MW-60 | 178 | 151.62 | -137.3 | less-open | 34 | 150 | 137 | 47 | 1 | SE | 116-165 | 49 | 1.9E-04 | 5.4E-01 | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-60 | 179 | 151.68 | -137.4 | less-open | 32 | 146 | 133 | 43 | NSR | NSR | NSR | NSR | 1.9E-04 | 5.4E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-60 | 180 | 151.84 | -137.5 | less-open | 30 | 144 | 131 | 41 | NSR | NSR | NSR | NSR | 1.9E-04 | 5.4E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-60 | 181 | 152.01 | -137.7 | less-open | 35 | 143 | 130 | 40 | 1 | SE | 116-165 | 49 | 1.9E-04 | 5.4E-01 | 0.2 | 0.4 | -- | -- | -- | -- | -- |
| MW-60 | 182 | 152.55 | -138.2 | less-open | 39 | 145 | 132 | 42 | 1 | SE | 116-165 | 49 | 1.9E-04 | 5.4E-01 | 0.5 | 0.5 | -- | -- | -- | -- | -- |
| MW-60 | 183 | 152.81 | -138.5 | less-open | 38 | 142 | 129 | 39 | 1 | SE | 116-165 | 49 | 1.9E-04 | 5.4E-01 | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-60 | 184 | 153.39 | -139.1 | less-open | 39 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | 1.9E-04 | 5.4E-01 | 0.6 | 0.6 | -- | -- | -- | -- | -- |
| MW-60 | 185 | 153.46 | -139.2 | less-open | 38 | 148 | 135 | 45 | 1 | SE | 116-165 | 49 | 1.9E-04 | 5.4E-01 | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-60 | 186 | 153.74 | -139.4 | less-open | 39 | 141 | 128 | 38 | 1 | SE | 116-165 | 49 | 1.9E-04 | 5.4E-01 | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-60 | 187 | 155.22 | -140.9 | less-open | 45 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | 1.9E-04 | 5.4E-01 | 1.5 | -- | -- | 4.6 | -- | -- | -- |
| MW-60 | 188 | 155.58 | -141.3 | less-open | 52 | 129 | 116 | 26 | 1 | SE | 116-165 | 49 | 1.9E-04 | 5.4E-01 | 0.4 | 1.8 | -- | -- | -- | -- | -- |
| MW-60 | 189 | 155.66 | -141.4 | less-open | 34 | 342 | 329 | 239 | 2 | NW | 291-335 | 44 | 1.9E-04 | 5.4E-01 | 0.1 | -- | 6.7 | -- | -- | -- | -- |
| MW-60 | 190 | 155.86 | -141.6 | open | 36 | 125 | 112 | 22 | 3 | E | 70-115 | 45 | 1.9E-04 | 5.4E-01 | 0.2 | -- | -- | 0.6 | -- | -- | -- |
| MW-60 | 191 | 156.17 | -141.9 | less-open | 36 | 143 | 130 | 40 | 1 | SE | 116-165 | 49 | 1.9E-04 | 5.4E-01 | 0.3 | 0.6 | -- | -- | -- | -- | -- |
| MW-60 | 192 | 156.49 | -142.2 | less-open | 46 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | 1.9E-04 | 5.4E-01 | 0.3 | -- | -- | 0.6 | -- | -- | -- |
| MW-60 | 193 | 156.91 | -142.6 | less-open | 39 | 153 | 140 | 50 | 1 | SE | 116-165 | 49 | 1.9E-04 | 5.4E-01 | 0.4 | 0.7 | -- | -- | -- | -- | -- |
| MW-60 | 194 | 157.09 | -142.8 | less-open | 37 | 142 | 129 | 39 | 1 | SE | 116-165 | 49 | 1.9E-04 | 5.4E-01 | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-60 | 195 | 158.08 | -143.8 | less-open | 42 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | 1.9E-04 | 5.4E-01 | 1.0 | 1.0 | -- | -- | -- | -- | -- |
| MW-60 | 196 | 158.3 | -144.0 | less-open | 71 | 320 | 307 | 217 | 2 | NW | 291-335 | 44 | 1.9E-04 | 5.4E-01 | 0.2 | -- | 2.6 | -- | -- | -- | -- |
| MW-60 | 197 | 158.42 | -144.1 | less-open | 48 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | 1.9E-04 | 5.4E-01 | 0.1 | -- | -- | 1.9 | -- | -- | -- |
| MW-60 | 198 | 158.9 | -144.6 | less-open | 60 | 104 | 91 | 1 | 3 | E | 70-115 | 45 | 1.9E-04 | 5.4E-01 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-60 | 199 | 159.11 | -144.8 | less-open | 75 | 95 | 82 | 352 | 3 | E | 70-115 | 45 | 1.9E-04 | 5.4E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-60 | 200 | 160.01 | -145.7 | less-open | 78 | 100 | 87 | 357 | 3 | E | 70-115 | 45 | 1.9E-04 | 5.4E-01 | 0.9 | -- | -- | 0.9 | -- | -- | -- |
| MW-60 | 201 | 160.54 | -146.2 | less-open | 42 | 306 | 293 | 203 | 2 | NW | 291-335 | 44 | 1.9E-04 | 5.4E-01 | 0.5 | -- | 2.2 | -- | -- | -- | -- |
| MW-60 | 202 | 160.83 | -146.5 | less-open | 77 | 93 | 80 | 350 | 3 | E | 70-115 | 45 | 1.9E-04 | 5.4E-01 | 0.3 | -- | -- | 0.8 | -- | -- | -- |
| MW-60 | 203 | 162.32 | -148.0 | less-open | 46 | 312 | 299 | 209 | 2 | NW | 291-335 | 44 | 3.4E-05 | 9.7E-02 | 1.5 | -- | 1.8 | -- | -- | -- | -- |
| MW-60 | 204 | 162.55 | -148.2 | less-open | 26 | 4 | 351 | 261 | NSR | NSR | NSR | NSR | 3.4E-05 | 9.7E-02 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-60 | 205 | 163.17 | -148.9 | less-open | 50 | 118 | 105 | 15 | 3 | E | 70-115 | 45 | 3.4E-05 | 9.7E-02 | 0.6 | -- | -- | 2.3 | -- | -- | -- |
| MW-60 | 206 | 163.43 | -149.1 | less-open | 61 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | 3.4E-05 | 9.7E-02 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-60 | 207 | 163.81 | -149.5 | less-open | 49 | 310 | 297 | 207 | 2 | NW | 291-335 | 44 | 3.4E-05 | 9.7E-02 | 0.4 | -- | 1.5 | -- | -- | -- | -- |
| MW-60 | 208 | 163.92 | -149.6 | less-open | 58 | 106 | 93 | 3 | 3 | E | 70-115 | 45 | 3.4E-05 | 9.7E-02 | 0.1 | -- | -- | 0.5 | -- | -- | -- |
| MW-60 | 209 | 164.64 | -150.3 | less-open | 75 | 323 | 310 | 220 | 2 | NW | 291-335 | 44 | 3.4E-05 | 9.7E-02 | 0.7 | -- | 0.8 | -- | -- | -- | -- |
| MW-60 | 210 | 165.75 | -151.4 | less-open | 45 | 3 | 350 | 260 | 6 | N | 336-21 | 45 | 3.4E-05 | 9.7E-02 | 1.1 | -- | -- | -- | -- | -- | 49.2 |
| MW-60 | 211 | 166.1 | -151.8 | less-open | 49 | 132 | 119 | 29 | 1 | SE | 116-165 | 49 | 3.4E-05 | 9.7E-02 | 0.3 | 8.0 | -- | -- | -- | -- | -- |
| MW-60 | 212 | 166.44 | -152.1 | less-open | 47 | 151 | 138 | 48 | 1 | SE | 116-165 | 49 | 3.4E-05 | 9.7E-02 | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-60 | 213 | 166.79 | -152.5 | less-open | 30 | 231 | 218 | 128 | NSR | NSR | NSR | NSR | 3.4E-05 | 9.7E-02 | 0.3 | -- | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-60 | 214 | 166.87 | -152.6 | less-open | 30 | 241 | 228 | 138 | NSR | NSR | NSR | NSR | 3.4E-05 | 9.7E-02 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-60 | 215 | 167.59 | -153.3 | less-open | 25 | 142 | 129 | 39 | NSR | NSR | NSR | NSR | 3.4E-05 | 9.7E-02 | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-60 | 216 | 167.96 | -153.7 | less-open | 29 | 168 | 155 | 65 | NSR | NSR | NSR | NSR | 3.4E-05 | 9.7E-02 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-60 | 217 | 168.6 | -154.3 | less-open | 33 | 164 | 151 | 61 | NSR | NSR | NSR | NSR | 3.4E-05 | 9.7E-02 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-60 | 218 | 169.15 | -154.8 | less-open | 37 | 147 | 134 | 44 | 1 | SE | 116-165 | 49 | 3.4E-05 | 9.7E-02 | 0.6 | 2.7 | -- | -- | -- | -- | -- |
| MW-60 | 219 | 169.76 | -155.5 | less-open | 36 | 137 | 124 | 34 | 1 | SE | 116-165 | 49 | 3.4E-05 | 9.7E-02 | 0.6 | 0.6 | -- | -- | -- | -- | -- |
| MW-60 | 220 | 170.01 | -155.7 | less-open | 46 | 140 | 127 | 37 | 1 | SE | 116-165 | 49 | 3.4E-05 | 9.7E-02 | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-60 | 221 | 170.5 | -156.2 | less-open | 39 | 180 | 167 | 77 | 5 | S | 166-200 | 34 | 3.4E-05 | 9.7E-02 | 0.5 | -- | -- | -- | -- | 67.6 | -- |
| MW-60 | 222 | 171.33 | -157.0 | less-open | 35 | 166 | 153 | 63 | 1 | SE | 116-165 | 49 | 3.4E-05 | 9.7E-02 | 0.8 | 1.3 | -- | -- | -- | -- | -- |
| MW-60 | 223 | 172.15 | -157.8 | less-open | 42 | 136 | 123 | 33 | 1 | SE | 116-165 | 49 | 3.5E-06 | 1.0E-02 | 0.8 | 0.8 | -- | -- | -- | -- | -- |
| MW-60 | 224 | 172.77 | -158.5 | less-open | 33 | 341 | 328 | 238 | NSR | NSR | NSR | NSR | 3.5E-06 | 1.0E-02 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-60 | 225 | 173.92 | -159.6 | less-open | 34 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | 3.5E-06 | 1.0E-02 | 1.1 | -- | -- | 10.0 | -- | -- | -- |
| MW-60 | 226 | 174.02 | -159.7 | open | 41 | 160 | 147 | 57 | 1 | SE | 116-165 | 49 | 3.5E-06 | 1.0E-02 | 0.1 | 1.9 | -- | -- | -- | -- | -- |
| MW-60 | 227 | 174.25 | -159.9 | less-open | 53 | 8 | 355 | 265 | 6 | N | 336-21 | 45 | 3.5E-06 | 1.0E-02 | 0.2 | -- | -- | -- | -- | -- | 8.5 |
| MW-60 | 228 | 174.31 | -160.0 | less-open | 35 | 100 | 87 | 357 | 3 | E | 70-115 | 45 | 3.5E-06 | 1.0E-02 | 0.1 | -- | -- | 0.4 | -- | -- | -- |
| MW-60 | 229 | 174.67 | -160.4 | less-open | 45 | 135 | 122 | 32 | 1 | SE | 116-165 | 49 | 3.5E-06 | 1.0E-02 | 0.4 | 0.6 | -- | -- | -- | -- | -- |
| MW-60 | 230 | 174.92 | -160.6 | less-open | 41 | 128 | 115 | 25 | 3 | E | 70-115 | 45 | 3.5E-06 | 1.0E-02 | 0.3 | -- | -- | 0.6 | -- | -- | -- |
| MW-60 | 231 | 175.11 | -160.8 | less-open | 34 | 152 | 139 | 49 | 1 | SE | 116-165 | 49 | 3.5E-06 | 1.0E-02 | 0.2 | 0.4 | -- | -- | -- | -- | -- |
| MW-60 | 232 | 175.79 | -161.5 | less-open | 51 | 179 | 166 | 76 | 5 | S | 166-200 | 34 | 3.5E-06 | 1.0E-02 | 0.7 | -- | -- | -- | -- | 5.3 | -- |
| MW-60 | 233 | 176.98 | -162.7 | less-open | 40 | 193 | 180 | 90 | 5 | S | 166-200 | 34 | 3.5E-06 | 1.0E-02 | 1.2 | -- | -- | -- | -- | 1.2 | -- |
| MW-60 | 234 | 177.26 | -163.0 | less-open | 47 | 127 | 114 | 24 | 3 | E | 70-115 | 45 | 3.5E-06 | 1.0E-02 | 0.3 | -- | -- | 2.3 | -- | -- | -- |
| MW-60 | 235 | 177.75 | -163.4 | less-open | 45 | 122 | 109 | 19 | 3 | E | 70-115 | 45 | 3.5E-06 | 1.0E-02 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-60 | 236 | 178.07 | -163.8 | open | 50 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 3.5E-06 | 1.0E-02 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-60 | 237 | 178.31 | -164.0 | open | 46 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | 3.5E-06 | 1.0E-02 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-60 | 238 | 179.73 | -165.4 | less-open | 55 | 336 | 323 | 233 | 2 | NW | 291-335 | 44 | 3.5E-06 | 1.0E-02 | 1.4 | -- | 15.1 | -- | -- | -- | -- |
| MW-60 | 239 | 180.35 | -166.0 | less-open | 55 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | 3.5E-06 | 1.0E-02 | 0.6 | -- | -- | 2.0 | -- | -- | -- |
| MW-60 | 240 | 180.85 | -166.5 | less-open | 67 | 263 | 250 | 160 | 4 | W | 245-290 | 45 | 3.5E-06 | 1.0E-02 | 0.5 | -- | -- | -- | 80.3 | -- | -- |
| MW-60 | 241 | 182.89 | -168.6 | less-open | 79 | 269 | 256 | 166 | 4 | W | 245-290 | 45 | 3.5E-06 | 1.0E-02 | 2.0 | -- | -- | -- | 2.0 | -- | -- |
| MW-60 | 242 | 184.41 | -170.1 | less-open | 63 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | TNP | TNP | 1.5 | -- | -- | 4.1 | -- | -- | -- |
| MW-60 | 243 | 186.09 | -171.8 | less-open | 33 | 220 | 207 | 117 | NSR | NSR | NSR | NSR | TNP | TNP | 1.7 | -- | -- | -- | -- | -- | -- |
| MW-60 | 244 | 186.31 | -172.0 | less-open | 68 | 265 | 252 | 162 | 4 | W | 245-290 | 45 | TNP | TNP | 0.2 | -- | -- | -- | 3.4 | -- | -- |
| MW-60 | 245 | 187.15 | -172.8 | less-open | 66 | 317 | 304 | 214 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.8 | -- | 7.4 | -- | -- | -- | -- |
| MW-60 | 246 | 187.83 | -173.5 | less-open | 65 | 276 | 263 | 173 | 4 | W | 245-290 | 45 | TNP | TNP | 0.7 | -- | -- | -- | 1.5 | -- | -- |
| MW-60 | 247 | 188.27 | -174.0 | less-open | 61 | 114 | 101 | 11 | 3 | E | 70-115 | 45 | 1.1E-06 | 3.0E-03 | 0.4 | -- | -- | 3.9 | -- | -- | -- |
| MW-60 | 248 | 189.48 | -175.2 | less-open | 54 | 345 | 332 | 242 | 2 | NW | 291-335 | 44 | 1.1E-06 | 3.0E-03 | 1.2 | -- | 2.3 | -- | -- | -- | -- |
| MW-60 | 249 | 189.98 | -175.7 | less-open | 56 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | 1.1E-06 | 3.0E-03 | 0.5 | -- | -- | 1.7 | -- | -- | -- |
| MW-60 | 250 | 190.74 | -176.4 | less-open | 31 | 139 | 126 | 36 | NSR | NSR | NSR | NSR | 1.1E-06 | 3.0E-03 | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-60 | 251 | 190.91 | -176.6 | less-open | 58 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | 1.1E-06 | 3.0E-03 | 0.2 | -- | -- | 0.9 | -- | -- | -- |
| MW-60 | 252 | 191.56 | -177.3 | less-open | 47 | 132 | 119 | 29 | 1 | SE | 116-165 | 49 | 1.1E-06 | 3.0E-03 | 0.7 | 16.5 | -- | -- | -- | -- | -- |
| MW-60 | 253 | 192.04 | -177.7 | less-open | 54 | 111 | 98 | 8 | 3 | E | 70-115 | 45 | 1.1E-06 | 3.0E-03 | 0.5 | -- | -- | 1.1 | -- | -- | -- |
| MW-60 | 254 | 192.27 | -178.0 | less-open | 75 | 351 | 338 | 248 | 6 | N | 336-21 | 45 | 1.1E-06 | 3.0E-03 | 0.2 | -- | -- | -- | -- | -- | 18.0 |
| MW-60 | 255 | 192.91 | -178.6 | less-open | 52 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | 1.1E-06 | 3.0E-03 | 0.6 | -- | -- | 0.9 | -- | -- | -- |
| MW-60 | 256 | 193.4 | -179.1 | less-open | 39 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | 1.1E-06 | 3.0E-03 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-60 | 257 | 193.65 | -179.3 | less-open | 39 | 140 | 127 | 37 | 1 | SE | 116-165 | 49 | 1.1E-06 | 3.0E-03 | 0.3 | 2.1 | -- | -- | -- | -- | -- |
| MW-60 | 258 | 193.71 | -179.4 | less-open | 33 | 166 | 153 | 63 | NSR | NSR | NSR | NSR | 1.1E-06 | 3.0E-03 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-60 | 259 | 193.9 | -179.6 | less-open | 41 | 129 | 116 | 26 | 1 | SE | 116-165 | 49 | 1.1E-06 | 3.0E-03 | 0.2 | 0.3 | -- | -- | -- | -- | -- |
| MW-60 | 260 | 194.13 | -179.8 | less-open | 53 | 129 | 116 | 26 | 1 | SE | 116-165 | 49 | 1.1E-06 | 3.0E-03 | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-60 | 261 | 194.41 | -180.1 | less-open | 43 | 139 | 126 | 36 | 1 | SE | 116-165 | 49 | 1.1E-06 | 3.0E-03 | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-60 | 262 | 195.27 | -181.0 | less-open | 63 | 101 | 88 | 358 | 3 | E | 70-115 | 45 | 1.1E-06 | 3.0E-03 | 0.9 | -- | -- | 1.9 | -- | -- | -- |
| MW-60 | 263 | 195.54 | -181.2 | less-open | 72 | 93 | 80 | 350 | 3 | E | 70-115 | 45 | 1.1E-06 | 3.0E-03 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-60 | 264 | 197.4 | -183.1 | less-open | 46 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | 1.1E-06 | 3.0E-03 | 1.9 | -- | -- | 1.9 | -- | -- | -- |
| MW-60 | 265 | 198.21 | -183.9 | less-open | 27 | 230 | 217 | 127 | NSR | NSR | NSR | NSR | 1.1E-06 | 3.0E-03 | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-60 | 266 | 199.28 | -185.0 | less-open | 53 | 162 | 149 | 59 | 1 | SE | 116-165 | 49 | 1.1E-06 | 3.0E-03 | 1.1 | 4.9 | -- | -- | -- | -- | -- |
| MW-60 | 267 | 200.14 | -185.8 | less-open | 89 | 116 | 103 | 13 | NSR | NSR | NSR | NSR | 1.1E-06 | 3.0E-03 | 0.9 | -- | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-60 | 268 | 200.31 | -186.0 | less-open | 90 | 153 | 140 | 50 | NSR | NSR | NSR | NSR | 1.1E-06 | 3.0E-03 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-60 | 269 | 200.52 | -186.2 | less-open | 89 | 234 | 221 | 131 | NSR | NSR | NSR | NSR | 1.1E-06 | 3.0E-03 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-60 | 270 | 200.95 | -186.6 | less-open | 89 | 122 | 109 | 19 | NSR | NSR | NSR | NSR | 1.1E-06 | 3.0E-03 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-62 | 1 | 43.33 | -28.6 | less-open | 38 | 36 | 23 | 293 | NSR | NSR | NSR | NSR | 0.0E+00 | 0.0E+00 | NA | -- | -- | -- | -- | -- | -- |
| MW-62 | 2 | 43.47 | -28.8 | less-open | 68 | 96 | 83 | 353 | 3 | E | 70-115 | 45 | 0.0E+00 | 0.0E+00 | 0.1 | -- | -- | 43.5 | -- | -- | -- |
| MW-62 | 3 | 44.24 | -29.6 | less-open | 50 | 352 | 339 | 249 | 6 | N | 336-21 | 45 | 0.0E+00 | 0.0E+00 | 0.8 | -- | -- | -- | -- | -- | 44.2 |
| MW-62 | 4 | 44.28 | -29.6 | less-open | 71 | 100 | 87 | 357 | 3 | E | 70-115 | 45 | 0.0E+00 | 0.0E+00 | 0.0 | -- | -- | 0.8 | -- | -- | -- |
| MW-62 | 5 | 44.46 | -29.8 | less-open | 51 | 327 | 314 | 224 | 2 | NW | 291-335 | 44 | 0.0E+00 | 0.0E+00 | 0.2 | -- | 44.5 | -- | -- | -- | -- |
| MW-62 | 6 | 44.56 | -29.9 | less-open | 32 | 347 | 334 | 244 | NSR | NSR | NSR | NSR | 0.0E+00 | 0.0E+00 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-62 | 7 | 44.77 | -30.1 | less-open | 33 | 346 | 333 | 243 | NSR | NSR | NSR | NSR | 0.0E+00 | 0.0E+00 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-62 | 8 | 44.82 | -30.1 | less-open | 74 | 105 | 92 | 2 | 3 | E | 70-115 | 45 | 0.0E+00 | 0.0E+00 | 0.0 | -- | -- | 0.5 | -- | -- | -- |
| MW-62 | 9 | 45.40 | -30.7 | less-open | 45 | 316 | 303 | 213 | 2 | NW | 291-335 | 44 | 0.0E+00 | 0.0E+00 | 0.6 | -- | 0.9 | -- | -- | -- | -- |
| MW-62 | 10 | 45.80 | -31.1 | less-open | 64 | 98 | 85 | 355 | 3 | E | 70-115 | 45 | 0.0E+00 | 0.0E+00 | 0.4 | -- | -- | 1.0 | -- | -- | -- |
| MW-62 | 11 | 46.10 | -31.4 | less-open | 67 | 101 | 88 | 358 | 3 | E | 70-115 | 45 | 0.0E+00 | 0.0E+00 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-62 | 12 | 46.48 | -31.8 | less-open | 64 | 106 | 93 | 3 | 3 | E | 70-115 | 45 | 0.0E+00 | 0.0E+00 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-62 | 13 | 46.77 | -32.1 | less-open | 32 | 331 | 318 | 228 | NSR | NSR | NSR | NSR | 0.0E+00 | 0.0E+00 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-62 | 14 | 47.01 | -32.3 | less-open | 52 | 93 | 80 | 350 | 3 | E | 70-115 | 45 | 0.0E+00 | 0.0E+00 | 0.2 | -- | -- | 0.5 | -- | -- | -- |
| MW-62 | 15 | 47.38 | -32.7 | less-open | 50 | 331 | 318 | 228 | 2 | NW | 291-335 | 44 | 0.0E+00 | 0.0E+00 | 0.4 | -- | 2.0 | -- | -- | -- | -- |
| MW-62 | 16 | 47.65 | -33.0 | less-open | 34 | 293 | 280 | 190 | NSR | NSR | NSR | NSR | 0.0E+00 | 0.0E+00 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-62 | 17 | 47.97 | -33.3 | less-open | 73 | 118 | 105 | 15 | 3 | E | 70-115 | 45 | 0.0E+00 | 0.0E+00 | 0.3 | -- | -- | 1.0 | -- | -- | -- |
| MW-62 | 18 | 47.98 | -33.3 | less-open | 73 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | 0.0E+00 | 0.0E+00 | 0.0 | -- | -- | 0.0 | -- | -- | -- |
| MW-62 | 19 | 48.31 | -33.6 | less-open | 69 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | 0.0E+00 | 0.0E+00 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-62 | 20 | 48.89 | -34.2 | less-open | 21 | 338 | 325 | 235 | NSR | NSR | NSR | NSR | 0.0E+00 | 0.0E+00 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-62 | 21 | 49.14 | -34.5 | less-open | 65 | 98 | 85 | 355 | 3 | E | 70-115 | 45 | 0.0E+00 | 0.0E+00 | 0.3 | -- | -- | 0.8 | -- | -- | -- |
| MW-62 | 22 | 49.83 | -35.1 | less-open | 70 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | 0.0E+00 | 0.0E+00 | 0.7 | -- | -- | 0.7 | -- | -- | -- |
| MW-62 | 23 | 50.44 | -35.8 | less-open | 69 | 90 | 77 | 347 | 3 | E | 70-115 | 45 | 0.0E+00 | 0.0E+00 | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-62 | 24 | 50.63 | -35.9 | less-open | 74 | 99 | 86 | 356 | 3 | E | 70-115 | 45 | 0.0E+00 | 0.0E+00 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-62 | 25 | 51.40 | -36.7 | less-open | 78 | 95 | 82 | 352 | 3 | E | 70-115 | 45 | 2.5E-06 | 7.2E-03 | 0.8 | -- | -- | 0.8 | -- | -- | -- |
| MW-62 | 26 | 51.67 | -37.0 | less-open | 72 | 100 | 87 | 357 | 3 | E | 70-115 | 45 | 2.5E-06 | 7.2E-03 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-62 | 27 | 52.71 | -38.0 | less-open | 25 | 12 | 359 | 269 | NSR | NSR | NSR | NSR | 2.5E-06 | 7.2E-03 | 1.0 | -- | -- | -- | -- | -- | -- |
| MW-62 | 28 | 52.95 | -38.3 | less-open | 72 | 99 | 86 | 356 | 3 | E | 70-115 | 45 | 2.5E-06 | 7.2E-03 | 0.2 | -- | -- | 1.3 | -- | -- | -- |
| MW-62 | 29 | 53.32 | -38.6 | less-open | 39 | 306 | 293 | 203 | 2 | NW | 291-335 | 44 | 2.5E-06 | 7.2E-03 | 0.4 | -- | 5.9 | -- | -- | -- | -- |
| MW-62 | 30 | 53.44 | -38.8 | less-open | 73 | 203 | 190 | 100 | 5 | S | 166-200 | 34 | 2.5E-06 | 7.2E-03 | 0.1 | -- | -- | -- | -- | 53.4 | -- |
| MW-62 | 31 | 53.82 | -39.1 | less-open | 35 | 301 | 288 | 198 | 4 | W | 245-290 | 45 | 2.5E-06 | 7.2E-03 | 0.4 | -- | -- | -- | 53.8 | -- | -- |
| MW-62 | 32 | 53.89 | -39.2 | less-open | 69 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 2.5E-06 | 7.2E-03 | 0.1 | -- | -- | 0.9 | -- | -- | -- |
| MW-62 | 33 | 54.26 | -39.6 | less-open | 69 | 207 | 194 | 104 | 5 | S | 166-200 | 34 | 2.5E-06 | 7.2E-03 | 0.4 | -- | -- | -- | -- | 0.8 | -- |
| MW-62 | 34 | 54.71 | -40.0 | less-open | 65 | 207 | 194 | 104 | 5 | S | 166-200 | 34 | 2.5E-06 | 7.2E-03 | 0.5 | -- | -- | -- | -- | 0.5 | -- |
| MW-62 | 35 | 54.97 | -40.3 | less-open | 68 | 214 | 201 | 111 | NSR | NSR | NSR | NSR | 2.5E-06 | 7.2E-03 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-62 | 36 | 55.12 | -40.4 | less-open | 64 | 205 | 192 | 102 | 5 | S | 166-200 | 34 | 2.5E-06 | 7.2E-03 | 0.1 | -- | -- | -- | -- | 0.4 | -- |
| MW-62 | 37 | 55.35 | -40.7 | less-open | 71 | 207 | 194 | 104 | 5 | S | 166-200 | 34 | 2.5E-06 | 7.2E-03 | 0.2 | -- | -- | -- | -- | 0.2 | -- |
| MW-62 | 38 | 55.84 | -41.2 | less-open | 45 | 301 | 288 | 198 | 4 | W | 245-290 | 45 | 2.5E-06 | 7.2E-03 | 0.5 | -- | -- | -- | 2.0 | -- | -- |
| MW-62 | 39 | 56.20 | -41.5 | less-open | 43 | 310 | 297 | 207 | 2 | NW | 291-335 | 44 | 2.5E-06 | 7.2E-03 | 0.4 | -- | 2.9 | -- | -- | -- | -- |
| MW-62 | 40 | 56.73 | -42.0 | less-open | 73 | 199 | 186 | 96 | 5 | S | 166-200 | 34 | 2.5E-06 | 7.2E-03 | 0.5 | -- | -- | -- | -- | 1.4 | -- |
| MW-62 | 41 | 57.74 | -43.1 | less-open | 12 | 74 | 61 | 331 | NSR | NSR | NSR | NSR | 2.5E-06 | 7.2E-03 | 1.0 | -- | -- | -- | -- | -- | -- |
| MW-62 | 42 | 58.29 | -43.6 | less-open | 68 | 85 | 72 | 342 | 3 | E | 70-115 | 45 | 2.5E-06 | 7.2E-03 | 0.5 | -- | -- | 4.4 | -- | -- | -- |
| MW-62 | 43 | 58.70 | -44.0 | less-open | 75 | 67 | 54 | 324 | NSR | NSR | NSR | NSR | 2.5E-06 | 7.2E-03 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-62 | 44 | 58.70 | -44.0 | less-open | 68 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 2.5E-06 | 7.2E-03 | 0.0 | -- | -- | 0.4 | -- | -- | -- |
| MW-62 | 45 | 59.43 | -44.7 | less-open | 49 | 312 | 299 | 209 | 2 | NW | 291-335 | 44 | 2.5E-06 | 7.2E-03 | 0.7 | -- | 3.2 | -- | -- | -- | -- |
| MW-62 | 46 | 60.12 | -45.4 | less-open | 67 | 105 | 92 | 2 | 3 | E | 70-115 | 45 | 2.5E-06 | 7.2E-03 | 0.7 | -- | -- | 1.4 | -- | -- | -- |
| MW-62 | 47 | 60.33 | -45.6 | less-open | 81 | 197 | 184 | 94 | 5 | S | 166-200 | 34 | 2.5E-06 | 7.2E-03 | 0.2 | -- | -- | -- | -- | 3.6 | -- |
| MW-62 | 48 | 60.43 | -45.7 | less-open | 65 | 291 | 278 | 188 | 4 | W | 245-290 | 45 | 2.5E-06 | 7.2E-03 | 0.1 | -- | -- | -- | 4.6 | -- | -- |
| MW-62 | 49 | 61.73 | -47.0 | less-open | 24 | 6 | 353 | 263 | NSR | NSR | NSR | NSR | 2.8E-06 | 8.0E-03 | 1.3 | -- | -- | -- | -- | -- | -- |
| MW-62 | 50 | 62.36 | -47.7 | less-open | 32 | 307 | 294 | 204 | NSR | NSR | NSR | NSR | 2.8E-06 | 8.0E-03 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-62 | 51 | 62.73 | -48.0 | less-open | 68 | 100 | 87 | 357 | 3 | E | 70-115 | 45 | 2.8E-06 | 8.0E-03 | 0.4 | -- | -- | 2.6 | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-62 | 52 | 63.00 | -48.3 | less-open | 65 | 300 | 287 | 197 | 4 | W | 245-290 | 45 | 2.8E-06 | 8.0E-03 | 0.3 | -- | -- | -- | 2.6 | -- | -- |
| MW-62 | 53 | 63.61 | -48.9 | less-open | 60 | 209 | 196 | 106 | 5 | S | 166-200 | 34 | 2.8E-06 | 8.0E-03 | 0.6 | -- | -- | -- | -- | 3.3 | -- |
| MW-62 | 54 | 63.84 | -49.2 | less-open | 64 | 111 | 98 | 8 | 3 | E | 70-115 | 45 | 2.8E-06 | 8.0E-03 | 0.2 | -- | -- | 1.1 | -- | -- | -- |
| MW-62 | 55 | 64.65 | -50.0 | less-open | 66 | 100 | 87 | 357 | 3 | E | 70-115 | 45 | 2.8E-06 | 8.0E-03 | 0.8 | -- | -- | 0.8 | -- | -- | -- |
| MW-62 | 56 | 64.78 | -50.1 | less-open | 60 | 213 | 200 | 110 | 5 | S | 166-200 | 34 | 2.8E-06 | 8.0E-03 | 0.1 | -- | -- | -- | -- | 1.2 | -- |
| MW-62 | 57 | 64.94 | -50.3 | less-open | 47 | 303 | 290 | 200 | 4 | W | 245-290 | 45 | 2.8E-06 | 8.0E-03 | 0.2 | -- | -- | -- | 1.9 | -- | -- |
| MW-62 | 58 | 65.35 | -50.7 | less-open | 70 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 2.8E-06 | 8.0E-03 | 0.4 | -- | -- | 0.7 | -- | -- | -- |
| MW-62 | 59 | 65.89 | -51.2 | less-open | 68 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | 2.8E-06 | 8.0E-03 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-62 | 60 | 66.36 | -51.7 | less-open | 64 | 113 | 100 | 10 | 3 | E | 70-115 | 45 | 2.8E-06 | 8.0E-03 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-62 | 61 | 66.56 | -51.9 | less-open | 65 | 122 | 109 | 19 | 3 | E | 70-115 | 45 | 2.8E-06 | 8.0E-03 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-62 | 62 | 66.92 | -52.2 | less-open | 63 | 110 | 97 | 7 | 3 | E | 70-115 | 45 | 2.8E-06 | 8.0E-03 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-62 | 63 | 67.54 | -52.9 | less-open | 50 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | 2.8E-06 | 8.0E-03 | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-62 | 64 | 67.86 | -53.2 | less-open | 68 | 104 | 91 | 1 | 3 | E | 70-115 | 45 | 2.8E-06 | 8.0E-03 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-62 | 65 | 68.16 | -53.5 | less-open | 43 | 284 | 271 | 181 | 4 | W | 245-290 | 45 | 2.8E-06 | 8.0E-03 | 0.3 | -- | -- | -- | 3.2 | -- | -- |
| MW-62 | 66 | 68.29 | -53.6 | less-open | 75 | 99 | 86 | 356 | 3 | E | 70-115 | 45 | 2.8E-06 | 8.0E-03 | 0.1 | -- | -- | 0.4 | -- | -- | -- |
| MW-62 | 67 | 68.38 | -53.7 | less-open | 58 | 93 | 80 | 350 | 3 | E | 70-115 | 45 | 2.8E-06 | 8.0E-03 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-62 | 68 | 68.82 | -54.1 | less-open | 65 | 97 | 84 | 354 | 3 | E | 70-115 | 45 | 2.8E-06 | 8.0E-03 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-62 | 69 | 69.19 | -54.5 | less-open | 67 | 216 | 203 | 113 | NSR | NSR | NSR | NSR | 2.8E-06 | 8.0E-03 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-62 | 70 | 69.83 | -55.1 | less-open | 72 | 220 | 207 | 117 | NSR | NSR | NSR | NSR | 2.8E-06 | 8.0E-03 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-62 | 71 | 70.09 | -55.4 | less-open | 62 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | 2.8E-06 | 8.0E-03 | 0.3 | -- | -- | 1.3 | -- | -- | -- |
| MW-62 | 72 | 71.06 | -56.4 | less-open | 60 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | 2.8E-06 | 8.0E-03 | 1.0 | -- | -- | 1.0 | -- | -- | -- |
| MW-62 | 73 | 71.45 | -56.8 | less-open | 62 | 130 | 117 | 27 | 1 | SE | 116-165 | 49 | 2.8E-06 | 8.0E-03 | 0.4 | 71.5 | -- | -- | -- | -- | -- |
| MW-62 | 74 | 72.05 | -57.4 | less-open | 67 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | 2.8E-06 | 8.0E-03 | 0.6 | -- | -- | 1.0 | -- | -- | -- |
| MW-62 | 75 | 72.09 | -57.4 | less-open | 58 | 209 | 196 | 106 | 5 | S | 166-200 | 34 | 2.8E-06 | 8.0E-03 | 0.0 | -- | -- | -- | -- | 7.3 | -- |
| MW-62 | 76 | 72.22 | -57.5 | less-open | 70 | 100 | 87 | 357 | 3 | E | 70-115 | 45 | 2.8E-06 | 8.0E-03 | 0.1 | -- | -- | 0.2 | -- | -- | -- |
| MW-62 | 77 | 72.64 | -58.0 | less-open | 36 | 295 | 282 | 192 | 4 | W | 245-290 | 45 | 2.8E-06 | 8.0E-03 | 0.4 | -- | -- | -- | 4.5 | -- | -- |
| MW-62 | 78 | 72.72 | -58.0 | less-open | 67 | 90 | 77 | 347 | 3 | E | 70-115 | 45 | 2.8E-06 | 8.0E-03 | 0.1 | -- | -- | 0.5 | -- | -- | -- |
| MW-62 | 79 | 73.46 | -58.8 | less-open | 65 | 119 | 106 | 16 | 3 | E | 70-115 | 45 | 2.8E-06 | 8.0E-03 | 0.7 | -- | -- | 0.7 | -- | -- | -- |
| MW-62 | 80 | 73.85 | -59.2 | less-open | 46 | 346 | 333 | 243 | 2 | NW | 291-335 | 44 | 2.8E-06 | 8.0E-03 | 0.4 | -- | 14.4 | -- | -- | -- | -- |
| MW-62 | 81 | 74.13 | -59.4 | less-open | 65 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | 2.8E-06 | 8.0E-03 | 0.3 | -- | -- | 0.7 | -- | -- | -- |
| MW-62 | 82 | 74.29 | -59.6 | less-open | 46 | 345 | 332 | 242 | 2 | NW | 291-335 | 44 | 2.8E-06 | 8.0E-03 | 0.2 | -- | 0.4 | -- | -- | -- | -- |
| MW-62 | 83 | 74.55 | -59.9 | less-open | 60 | 307 | 294 | 204 | 2 | NW | 291-335 | 44 | 2.8E-06 | 8.0E-03 | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-62 | 84 | 74.93 | -60.2 | less-open | 50 | 351 | 338 | 248 | 6 | N | 336-21 | 45 | 2.8E-06 | 8.0E-03 | 0.4 | -- | -- | -- | -- | -- | 30.7 |
| MW-62 | 85 | 75.12 | -60.4 | less-open | 63 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | 2.8E-06 | 8.0E-03 | 0.2 | -- | -- | 1.0 | -- | -- | -- |
| MW-62 | 86 | 75.38 | -60.7 | less-open | 67 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | 2.8E-06 | 8.0E-03 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-62 | 87 | 75.64 | -61.0 | less-open | 68 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 2.8E-06 | 8.0E-03 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-62 | 88 | 75.89 | -61.2 | less-open | 49 | 352 | 339 | 249 | 6 | N | 336-21 | 45 | 2.8E-06 | 8.0E-03 | 0.3 | -- | -- | -- | -- | -- | 1.0 |
| MW-62 | 89 | 76.02 | -61.3 | less-open | 52 | 356 | 343 | 253 | 6 | N | 336-21 | 45 | 2.8E-06 | 8.0E-03 | 0.1 | -- | -- | -- | -- | -- | 0.1 |
| MW-62 | 90 | 76.46 | -61.8 | less-open | 71 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | 2.8E-06 | 8.0E-03 | 0.4 | -- | -- | 0.8 | -- | -- | -- |
| MW-62 | 91 | 76.82 | -62.1 | less-open | 37 | 357 | 344 | 254 | 6 | N | 336-21 | 45 | 2.8E-06 | 8.0E-03 | 0.4 | -- | -- | -- | -- | -- | 0.8 |
| MW-62 | 92 | 77.33 | -62.6 | less-open | 27 | 301 | 288 | 198 | NSR | NSR | NSR | NSR | 2.8E-06 | 8.0E-03 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-62 | 93 | 78.19 | -63.5 | less-open | 55 | 3 | 350 | 260 | 6 | N | 336-21 | 45 | 2.8E-06 | 8.0E-03 | 0.9 | -- | -- | -- | -- | -- | 1.4 |
| MW-62 | 94 | 78.56 | -63.9 | less-open | 63 | 127 | 114 | 24 | 3 | E | 70-115 | 45 | 2.8E-06 | 8.0E-03 | 0.4 | -- | -- | 2.1 | -- | -- | -- |
| MW-62 | 95 | 79.56 | -64.9 | less-open | 64 | 110 | 97 | 7 | 3 | E | 70-115 | 45 | 1.8E-05 | 5.0E-02 | 1.0 | -- | -- | 1.0 | -- | -- | -- |
| MW-62 | 96 | 81.07 | -66.4 | less-open | 70 | 262 | 249 | 159 | 4 | W | 245-290 | 45 | 1.8E-05 | 5.0E-02 | 1.5 | -- | -- | -- | 8.4 | -- | -- |
| MW-62 | 97 | 81.48 | -66.8 | less-open | 54 | 319 | 306 | 216 | 2 | NW | 291-335 | 44 | 1.8E-05 | 5.0E-02 | 0.4 | -- | 6.9 | -- | -- | -- | -- |
| MW-62 | 98 | 81.60 | -66.9 | less-open | 55 | 348 | 335 | 245 | 2 | NW | 291-335 | 44 | 1.8E-05 | 5.0E-02 | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-62 | 99 | 81.67 | -67.0 | less-open | 38 | 306 | 293 | 203 | 2 | NW | 291-335 | 44 | 1.8E-05 | 5.0E-02 | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-62 | 100 | 82.28 | -67.6 | less-open | 28 | 332 | 319 | 229 | NSR | NSR | NSR | NSR | 1.8E-05 | 5.0E-02 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-62 | 101 | 82.53 | -67.8 | open | 24 | 1 | 348 | 258 | NSR | NSR | NSR | NSR | 1.8E-05 | 5.0E-02 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-62 | 102 | 82.88 | -68.2 | less-open | 35 | 338 | 325 | 235 | 2 | NW | 291-335 | 44 | 1.8E-05 | 5.0E-02 | 0.3 | -- | 1.2 | -- | -- | -- | -- |
| MW-62 | 103 | 82.95 | -68.3 | less-open | 46 | 355 | 342 | 252 | 6 | N | 336-21 | 45 | 1.8E-05 | 5.0E-02 | 0.1 | -- | -- | -- | -- | -- | 4.8 |
| MW-62 | 104 | 82.99 | -68.3 | less-open | 70 | 95 | 82 | 352 | 3 | E | 70-115 | 45 | 1.8E-05 | 5.0E-02 | 0.0 | -- | -- | 3.4 | -- | -- | -- |
| MW-62 | 105 | 83.02 | -68.3 | less-open | 46 | 305 | 292 | 202 | 2 | NW | 291-335 | 44 | 1.8E-05 | 5.0E-02 | 0.0 | -- | 0.1 | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-62 | 106 | 83.26 | -68.6 | less-open | 72 | 122 | 109 | 19 | 3 | E | 70-115 | 45 | 1.8E-05 | 5.0E-02 | 0.2 | -- | -- | 0.3 | -- | -- | -- |
| MW-62 | 107 | 84.02 | -69.3 | less-open | 38 | 305 | 292 | 202 | 2 | NW | 291-335 | 44 | 1.8E-05 | 5.0E-02 | 0.8 | -- | 1.0 | -- | -- | -- | -- |
| MW-62 | 108 | 84.4 | -69.7 | less-open | 62 | 280 | 267 | 177 | 4 | W | 245-290 | 45 | 1.8E-05 | 5.0E-02 | 0.4 | -- | -- | -- | 3.3 | -- | -- |
| MW-62 | 109 | 84.81 | -70.1 | less-open | 67 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 1.8E-05 | 5.0E-02 | 0.4 | -- | -- | 1.6 | -- | -- | -- |
| MW-62 | 110 | 85.95 | -71.3 | less-open | 33 | 34 | 21 | 291 | NSR | NSR | NSR | NSR | 1.8E-05 | 5.0E-02 | 1.1 | -- | -- | -- | -- | -- | -- |
| MW-62 | 111 | 86.49 | -71.8 | less-open | 49 | 350 | 337 | 247 | 6 | N | 336-21 | 45 | 1.8E-05 | 5.0E-02 | 0.5 | -- | -- | -- | -- | -- | 3.5 |
| MW-62 | 112 | 86.68 | -72.0 | less-open | 69 | 104 | 91 | 1 | 3 | E | 70-115 | 45 | 1.8E-05 | 5.0E-02 | 0.2 | -- | -- | 1.9 | -- | -- | -- |
| MW-62 | 113 | 87.44 | -72.8 | less-open | 68 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | 1.8E-05 | 5.0E-02 | 0.8 | -- | -- | 0.8 | -- | -- | -- |
| MW-62 | 114 | 87.83 | -73.1 | less-open | 68 | 68 | 55 | 325 | NSR | NSR | NSR | NSR | 1.8E-05 | 5.0E-02 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-62 | 115 | 88.01 | -73.3 | less-open | 68 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | 1.8E-05 | 5.0E-02 | 0.2 | -- | -- | 0.6 | -- | -- | -- |
| MW-62 | 116 | 88.66 | -74.0 | less-open | 69 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | 1.8E-05 | 5.0E-02 | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-62 | 117 | 88.8 | -74.1 | less-open | 48 | 286 | 273 | 183 | 4 | W | 245-290 | 45 | 1.8E-05 | 5.0E-02 | 0.1 | -- | -- | -- | 4.4 | -- | -- |
| MW-62 | 118 | 89.82 | -75.1 | less-open | 48 | 325 | 312 | 222 | 2 | NW | 291-335 | 44 | 1.8E-05 | 5.0E-02 | 1.0 | -- | 5.8 | -- | -- | -- | -- |
| MW-62 | 119 | 89.98 | -75.3 | less-open | 54 | 289 | 276 | 186 | 4 | W | 245-290 | 45 | 1.8E-05 | 5.0E-02 | 0.2 | -- | -- | -- | 1.2 | -- | -- |
| MW-62 | 120 | 90.35 | -75.7 | less-open | 31 | 339 | 326 | 236 | NSR | NSR | NSR | NSR | 1.8E-05 | 5.0E-02 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-62 | 121 | 90.72 | -76.0 | less-open | 56 | 331 | 318 | 228 | 2 | NW | 291-335 | 44 | 1.8E-05 | 5.0E-02 | 0.4 | -- | 0.9 | -- | -- | -- | -- |
| MW-62 | 122 | 90.84 | -76.2 | less-open | 53 | 2 | 349 | 259 | 6 | N | 336-21 | 45 | 1.8E-05 | 5.0E-02 | 0.1 | -- | -- | -- | -- | -- | 4.4 |
| MW-62 | 123 | 91.04 | -76.4 | less-open | 65 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 1.8E-05 | 5.0E-02 | 0.2 | -- | -- | 2.4 | -- | -- | -- |
| MW-62 | 124 | 91.09 | -76.4 | less-open | 50 | 296 | 283 | 193 | 4 | W | 245-290 | 45 | 1.8E-05 | 5.0E-02 | 0.0 | -- | -- | -- | 1.1 | -- | -- |
| MW-62 | 125 | 91.75 | -77.1 | less-open | 56 | 355 | 342 | 252 | 6 | N | 336-21 | 45 | 1.8E-05 | 5.0E-02 | 0.7 | -- | -- | -- | -- | -- | 0.9 |
| MW-62 | 126 | 92.53 | -77.8 | less-open | 52 | 325 | 312 | 222 | 2 | NW | 291-335 | 44 | 1.8E-05 | 5.0E-02 | 0.8 | -- | 1.8 | -- | -- | -- | -- |
| MW-62 | 127 | 92.68 | -78.0 | less-open | 48 | 320 | 307 | 217 | 2 | NW | 291-335 | 44 | 1.8E-05 | 5.0E-02 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-62 | 128 | 93 | -78.3 | less-open | 54 | 357 | 344 | 254 | 6 | N | 336-21 | 45 | 1.8E-05 | 5.0E-02 | 0.3 | -- | -- | -- | -- | -- | 1.3 |
| MW-62 | 129 | 93.47 | -78.8 | less-open | 65 | 330 | 317 | 227 | 2 | NW | 291-335 | 44 | 1.8E-05 | 5.0E-02 | 0.5 | -- | 0.8 | -- | -- | -- | -- |
| MW-62 | 130 | 93.59 | -78.9 | less-open | 54 | 357 | 344 | 254 | 6 | N | 336-21 | 45 | 1.8E-05 | 5.0E-02 | 0.1 | -- | -- | -- | -- | -- | 0.6 |
| MW-62 | 131 | 93.7 | -79.0 | less-open | 54 | 304 | 291 | 201 | 2 | NW | 291-335 | 44 | 1.8E-05 | 5.0E-02 | 0.1 | -- | 0.2 | -- | -- | -- | -- |
| MW-62 | 132 | 94.19 | -79.5 | less-open | 44 | 327 | 314 | 224 | 2 | NW | 291-335 | 44 | 1.8E-05 | 5.0E-02 | 0.5 | -- | 0.5 | -- | -- | -- | -- |
| MW-62 | 133 | 94.46 | -79.8 | less-open | 43 | 322 | 309 | 219 | 2 | NW | 291-335 | 44 | 1.8E-05 | 5.0E-02 | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-62 | 134 | 94.65 | -80.0 | less-open | 47 | 319 | 306 | 216 | 2 | NW | 291-335 | 44 | 1.8E-05 | 5.0E-02 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-62 | 135 | 95.09 | -80.4 | less-open | 49 | 321 | 308 | 218 | 2 | NW | 291-335 | 44 | 1.8E-05 | 5.0E-02 | 0.4 | -- | 0.4 | -- | -- | -- | -- |
| MW-62 | 136 | 95.91 | -81.2 | less-open | 48 | 329 | 316 | 226 | 2 | NW | 291-335 | 44 | 1.8E-05 | 5.0E-02 | 0.8 | -- | 0.8 | -- | -- | -- | -- |
| MW-62 | 137 | 97.76 | -83.1 | less-open | 48 | 278 | 265 | 175 | 4 | W | 245-290 | 45 | 2.1E-05 | 6.0E-02 | 1.9 | -- | -- | -- | 6.7 | -- | -- |
| MW-62 | 138 | 99.14 | -84.5 | less-open | 62 | 105 | 92 | 2 | 3 | E | 70-115 | 45 | 2.1E-05 | 6.0E-02 | 1.4 | -- | -- | 8.1 | -- | -- | -- |
| MW-62 | 139 | 99.17 | -84.5 | less-open | 44 | 308 | 295 | 205 | 2 | NW | 291-335 | 44 | 2.1E-05 | 6.0E-02 | 0.0 | -- | 3.3 | -- | -- | -- | -- |
| MW-62 | 140 | 99.61 | -84.9 | less-open | 62 | 305 | 292 | 202 | 2 | NW | 291-335 | 44 | 2.1E-05 | 6.0E-02 | 0.4 | -- | 0.4 | -- | -- | -- | -- |
| MW-62 | 141 | 100.51 | -85.8 | less-open | 41 | 312 | 299 | 209 | 2 | NW | 291-335 | 44 | 2.1E-05 | 6.0E-02 | 0.9 | -- | 0.9 | -- | -- | -- | -- |
| MW-62 | 142 | 100.78 | -86.1 | less-open | 56 | 357 | 344 | 254 | 6 | N | 336-21 | 45 | 2.1E-05 | 6.0E-02 | 0.3 | -- | -- | -- | -- | -- | 7.2 |
| MW-62 | 143 | 100.97 | -86.3 | less-open | 25 | 345 | 332 | 242 | NSR | NSR | NSR | NSR | 2.1E-05 | 6.0E-02 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-62 | 144 | 103.47 | -88.8 | less-open | 64 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | 2.1E-05 | 6.0E-02 | 2.5 | -- | -- | 4.3 | -- | -- | -- |
| MW-62 | 145 | 103.57 | -88.9 | less-open | 62 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | 2.1E-05 | 6.0E-02 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-62 | 146 | 103.72 | -89.0 | less-open | 40 | 316 | 303 | 213 | 2 | NW | 291-335 | 44 | 2.1E-05 | 6.0E-02 | 0.2 | -- | 3.2 | -- | -- | -- | -- |
| MW-62 | 147 | 104.45 | -89.8 | less-open | 63 | 87 | 74 | 344 | 3 | E | 70-115 | 45 | 2.1E-05 | 6.0E-02 | 0.7 | -- | -- | 0.9 | -- | -- | -- |
| MW-62 | 148 | 105.87 | -91.2 | less-open | 61 | 304 | 291 | 201 | 2 | NW | 291-335 | 44 | 2.1E-05 | 6.0E-02 | 1.4 | -- | 2.2 | -- | -- | -- | -- |
| MW-62 | 149 | 106.43 | -91.7 | less-open | 59 | 114 | 101 | 11 | 3 | E | 70-115 | 45 | 2.1E-05 | 6.0E-02 | 0.6 | -- | -- | 2.0 | -- | -- | -- |
| MW-62 | 150 | 106.86 | -92.2 | less-open | 56 | 283 | 270 | 180 | 4 | W | 245-290 | 45 | 2.7E-05 | 7.6E-02 | 0.4 | -- | -- | -- | 9.1 | -- | -- |
| MW-62 | 151 | 107.54 | -92.9 | less-open | 53 | 30 | 17 | 287 | 6 | N | 336-21 | 45 | 2.7E-05 | 7.6E-02 | 0.7 | -- | -- | -- | -- | -- | 6.8 |
| MW-62 | 152 | 108.05 | -93.4 | less-open | 57 | 30 | 17 | 287 | 6 | N | 336-21 | 45 | 2.7E-05 | 7.6E-02 | 0.5 | -- | -- | -- | -- | -- | 0.5 |
| MW-62 | 153 | 108.86 | -94.2 | less-open | 50 | 252 | 239 | 149 | NSR | NSR | NSR | NSR | 2.7E-05 | 7.6E-02 | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-62 | 154 | 109.21 | -94.5 | less-open | 46 | 303 | 290 | 200 | 4 | W | 245-290 | 45 | 2.7E-05 | 7.6E-02 | 0.3 | -- | -- | -- | 2.3 | -- | -- |
| MW-62 | 155 | 110.54 | -95.9 | less-open | 36 | 307 | 294 | 204 | 2 | NW | 291-335 | 44 | 2.7E-05 | 7.6E-02 | 1.3 | -- | 4.7 | -- | -- | -- | -- |
| MW-62 | 156 | 110.77 | -96.1 | less-open | 42 | 311 | 298 | 208 | 2 | NW | 291-335 | 44 | 2.7E-05 | 7.6E-02 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-62 | 157 | 111.1 | -96.4 | less-open | 63 | 110 | 97 | 7 | 3 | E | 70-115 | 45 | 2.7E-05 | 7.6E-02 | 0.3 | -- | -- | 4.7 | -- | -- | -- |
| MW-62 | 158 | 111.23 | -96.5 | less-open | 36 | 293 | 280 | 190 | 4 | W | 245-290 | 45 | 2.7E-05 | 7.6E-02 | 0.1 | -- | -- | -- | 2.0 | -- | -- |
| MW-62 | 159 | 111.82 | -97.1 | less-open | 66 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 2.7E-05 | 7.6E-02 | 0.6 | -- | -- | 0.7 | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-62 | 160 | 113.15 | -98.5 | less-open | 38 | 315 | 302 | 212 | 2 | NW | 291-335 | 44 | 2.7E-05 | 7.6E-02 | 1.3 | -- | 2.4 | -- | -- | -- | -- |
| MW-62 | 161 | 113.3 | -98.6 | less-open | 40 | 306 | 293 | 203 | 2 | NW | 291-335 | 44 | 2.7E-05 | 7.6E-02 | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-62 | 162 | 114.7 | -100.0 | less-open | 37 | 312 | 299 | 209 | 2 | NW | 291-335 | 44 | 2.7E-05 | 7.6E-02 | 1.4 | -- | 1.4 | -- | -- | -- | -- |
| MW-62 | 163 | 115.95 | -101.3 | less-open | 43 | 1 | 348 | 258 | 6 | N | 336-21 | 45 | 2.7E-05 | 7.6E-02 | 1.3 | -- | -- | -- | -- | -- | 7.9 |
| MW-62 | 164 | 116.56 | -101.9 | less-open | 52 | 360 | 347 | 257 | 6 | N | 336-21 | 45 | 7.9E-05 | 2.2E-01 | 0.6 | -- | -- | -- | -- | -- | 0.6 |
| MW-62 | 165 | 116.74 | -102.1 | less-open | 66 | 111 | 98 | 8 | 3 | E | 70-115 | 45 | 7.9E-05 | 2.2E-01 | 0.2 | -- | -- | 4.9 | -- | -- | -- |
| MW-62 | 166 | 117.49 | -102.8 | less-open | 50 | 337 | 324 | 234 | 2 | NW | 291-335 | 44 | 7.9E-05 | 2.2E-01 | 0.8 | -- | 2.8 | -- | -- | -- | -- |
| MW-62 | 167 | 117.73 | -103.0 | less-open | 48 | 317 | 304 | 214 | 2 | NW | 291-335 | 44 | 7.9E-05 | 2.2E-01 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-62 | 168 | 117.99 | -103.3 | less-open | 45 | 50 | 37 | 307 | NSR | NSR | NSR | NSR | 7.9E-05 | 2.2E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-62 | 169 | 118.14 | -103.5 | less-open | 66 | 111 | 98 | 8 | 3 | E | 70-115 | 45 | 7.9E-05 | 2.2E-01 | 0.2 | -- | -- | 1.4 | -- | -- | -- |
| MW-62 | 170 | 118.98 | -104.3 | less-open | 64 | 97 | 84 | 354 | 3 | E | 70-115 | 45 | 7.9E-05 | 2.2E-01 | 0.8 | -- | -- | 0.8 | -- | -- | -- |
| MW-62 | 171 | 119.33 | -104.6 | less-open | 43 | 303 | 290 | 200 | 4 | W | 245-290 | 45 | 7.9E-05 | 2.2E-01 | 0.3 | -- | -- | -- | 8.1 | -- | -- |
| MW-62 | 172 | 119.88 | -105.2 | less-open | 61 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | 7.9E-05 | 2.2E-01 | 0.5 | -- | -- | 0.9 | -- | -- | -- |
| MW-62 | 173 | 120.41 | -105.7 | less-open | 50 | 296 | 283 | 193 | 4 | W | 245-290 | 45 | 7.9E-05 | 2.2E-01 | 0.5 | -- | -- | -- | 1.1 | -- | -- |
| MW-62 | 174 | 120.65 | -106.0 | less-open | 64 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | 7.9E-05 | 2.2E-01 | 0.2 | -- | -- | 0.8 | -- | -- | -- |
| MW-62 | 175 | 120.66 | -106.0 | less-open | 33 | 329 | 316 | 226 | NSR | NSR | NSR | NSR | 7.9E-05 | 2.2E-01 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-62 | 176 | 120.98 | -106.3 | less-open | 66 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | 7.9E-05 | 2.2E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-62 | 177 | 120.99 | -106.3 | less-open | 38 | 3 | 350 | 260 | 6 | N | 336-21 | 45 | 7.9E-05 | 2.2E-01 | 0.0 | -- | -- | -- | -- | -- | 4.4 |
| MW-62 | 178 | 121.36 | -106.7 | less-open | 47 | 315 | 302 | 212 | 2 | NW | 291-335 | 44 | 7.9E-05 | 2.2E-01 | 0.4 | -- | 3.6 | -- | -- | -- | -- |
| MW-62 | 179 | 121.64 | -107.0 | less-open | 43 | 310 | 297 | 207 | 2 | NW | 291-335 | 44 | 7.9E-05 | 2.2E-01 | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-62 | 180 | 122.18 | -107.5 | less-open | 39 | 296 | 283 | 193 | 4 | W | 245-290 | 45 | 7.9E-05 | 2.2E-01 | 0.5 | -- | -- | -- | 1.8 | -- | -- |
| MW-62 | 181 | 122.6 | -107.9 | less-open | 49 | 341 | 328 | 238 | 2 | NW | 291-335 | 44 | 7.9E-05 | 2.2E-01 | 0.4 | -- | 1.0 | -- | -- | -- | -- |
| MW-62 | 182 | 122.89 | -108.2 | less-open | 68 | 295 | 282 | 192 | 4 | W | 245-290 | 45 | 7.9E-05 | 2.2E-01 | 0.3 | -- | -- | -- | 0.7 | -- | -- |
| MW-62 | 183 | 123.41 | -108.7 | less-open | 57 | 325 | 312 | 222 | 2 | NW | 291-335 | 44 | 7.9E-05 | 2.2E-01 | 0.5 | -- | 0.8 | -- | -- | -- | -- |
| MW-62 | 184 | 123.8 | -109.1 | less-open | 76 | 312 | 299 | 209 | 2 | NW | 291-335 | 44 | 7.9E-05 | 2.2E-01 | 0.4 | -- | 0.4 | -- | -- | -- | -- |
| MW-62 | 185 | 123.86 | -109.2 | less-open | 59 | 127 | 114 | 24 | 3 | E | 70-115 | 45 | 7.9E-05 | 2.2E-01 | 0.1 | -- | -- | 2.9 | -- | -- | -- |
| MW-62 | 186 | 124.75 | -110.1 | less-open | 60 | 296 | 283 | 193 | 4 | W | 245-290 | 45 | 7.9E-05 | 2.2E-01 | 0.9 | -- | -- | -- | 1.9 | -- | -- |
| MW-62 | 187 | 124.92 | -110.2 | less-open | 61 | 52 | 39 | 309 | NSR | NSR | NSR | NSR | 7.9E-05 | 2.2E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-62 | 188 | 128.82 | -114.1 | less-open | 68 | 61 | 48 | 318 | NSR | NSR | NSR | NSR | 7.9E-05 | 2.2E-01 | 3.9 | -- | -- | -- | -- | -- | -- |
| MW-62 | 189 | 129.8 | -115.1 | less-open | 70 | 351 | 338 | 248 | 6 | N | 336-21 | 45 | 7.9E-05 | 2.2E-01 | 1.0 | -- | -- | -- | -- | -- | 8.8 |
| MW-62 | 190 | 130.28 | -115.6 | less-open | 33 | 281 | 268 | 178 | NSR | NSR | NSR | NSR | 7.9E-05 | 2.2E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-62 | 191 | 130.56 | -115.9 | less-open | 60 | 121 | 108 | 18 | 3 | E | 70-115 | 45 | 7.9E-05 | 2.2E-01 | 0.3 | -- | -- | 6.7 | -- | -- | -- |
| MW-62 | 192 | 130.85 | -116.2 | less-open | 56 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | 7.9E-05 | 2.2E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-62 | 193 | 131 | -116.3 | less-open | 38 | 281 | 268 | 178 | 4 | W | 245-290 | 45 | 7.9E-05 | 2.2E-01 | 0.2 | -- | -- | -- | 6.3 | -- | -- |
| MW-62 | 194 | 132.23 | -117.5 | less-open | 67 | 101 | 88 | 358 | 3 | E | 70-115 | 45 | 7.9E-05 | 2.2E-01 | 1.2 | -- | -- | 1.4 | -- | -- | -- |
| MW-62 | 195 | 132.57 | -117.9 | less-open | 64 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | 7.9E-05 | 2.2E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-62 | 196 | 132.85 | -118.2 | less-open | 62 | 119 | 106 | 16 | 3 | E | 70-115 | 45 | 7.9E-05 | 2.2E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-62 | 197 | 133.13 | -118.4 | less-open | 68 | 92 | 79 | 349 | 3 | E | 70-115 | 45 | 7.9E-05 | 2.2E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-62 | 198 | 134.06 | -119.4 | less-open | 63 | 119 | 106 | 16 | 3 | E | 70-115 | 45 | 7.9E-05 | 2.2E-01 | 0.9 | -- | -- | 0.9 | -- | -- | -- |
| MW-62 | 199 | 134.32 | -119.6 | less-open | 62 | 118 | 105 | 15 | 3 | E | 70-115 | 45 | 8.5E-05 | 2.4E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-62 | 200 | 134.65 | -120.0 | less-open | 58 | 106 | 93 | 3 | 3 | E | 70-115 | 45 | 8.5E-05 | 2.4E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-62 | 201 | 135.19 | -120.5 | less-open | 65 | 114 | 101 | 11 | 3 | E | 70-115 | 45 | 8.5E-05 | 2.4E-01 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-62 | 202 | 135.39 | -120.7 | less-open | 61 | 126 | 113 | 23 | 3 | E | 70-115 | 45 | 8.5E-05 | 2.4E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-62 | 203 | 135.64 | -121.0 | less-open | 63 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | 8.5E-05 | 2.4E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-62 | 204 | 135.84 | -121.2 | less-open | 66 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | 8.5E-05 | 2.4E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-62 | 205 | 136.54 | -121.9 | less-open | 64 | 105 | 92 | 2 | 3 | E | 70-115 | 45 | 8.5E-05 | 2.4E-01 | 0.7 | -- | -- | 0.7 | -- | -- | -- |
| MW-62 | 206 | 137.03 | -122.3 | less-open | 62 | 300 | 287 | 197 | 4 | W | 245-290 | 45 | 8.5E-05 | 2.4E-01 | 0.5 | -- | -- | -- | 6.0 | -- | -- |
| MW-62 | 207 | 138.54 | -123.9 | less-open | 70 | 316 | 303 | 213 | 2 | NW | 291-335 | 44 | 8.5E-05 | 2.4E-01 | 1.5 | -- | 14.7 | -- | -- | -- | -- |
| MW-62 | 208 | 139.01 | -124.3 | less-open | 69 | 100 | 87 | 357 | 3 | E | 70-115 | 45 | 8.5E-05 | 2.4E-01 | 0.5 | -- | -- | 2.5 | -- | -- | -- |
| MW-62 | 209 | 139.21 | -124.5 | less-open | 71 | 93 | 80 | 350 | 3 | E | 70-115 | 45 | 8.5E-05 | 2.4E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-62 | 210 | 139.63 | -124.9 | less-open | 63 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | 8.5E-05 | 2.4E-01 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-62 | 211 | 140.52 | -125.8 | less-open | 51 | 326 | 313 | 223 | 2 | NW | 291-335 | 44 | 8.5E-05 | 2.4E-01 | 0.9 | -- | 2.0 | -- | -- | -- | -- |
| MW-62 | 212 | 140.76 | -126.1 | less-open | 72 | 105 | 92 | 2 | 3 | E | 70-115 | 45 | 8.5E-05 | 2.4E-01 | 0.2 | -- | -- | 1.1 | -- | -- | -- |
| MW-62 | 213 | 143.61 | -128.9 | less-open | 11 | 332 | 319 | 229 | NSR | NSR | NSR | NSR | 8.5E-05 | 2.4E-01 | 2.9 | -- | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-62 | 214 | 144.4 | -129.7 | less-open | 56 | 329 | 316 | 226 | 2 | NW | 291-335 | 44 | 8.5E-05 | 2.4E-01 | 0.8 | -- | 3.9 | -- | -- | -- | -- |
| MW-62 | 215 | 144.91 | -130.2 | less-open | 64 | 111 | 98 | 8 | 3 | E | 70-115 | 45 | 8.5E-05 | 2.4E-01 | 0.5 | -- | -- | 4.2 | -- | -- | -- |
| MW-62 | 216 | 145.54 | -130.9 | less-open | 33 | 340 | 327 | 237 | NSR | NSR | NSR | NSR | 8.5E-05 | 2.4E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-62 | 217 | 148.71 | -134.0 | less-open | 70 | 105 | 92 | 2 | 3 | E | 70-115 | 45 | 3.2E-05 | 9.1E-02 | 3.2 | -- | -- | 3.8 | -- | -- | -- |
| MW-62 | 218 | 149.95 | -135.3 | less-open | 64 | 333 | 320 | 230 | 2 | NW | 291-335 | 44 | 3.2E-05 | 9.1E-02 | 1.2 | -- | 5.5 | -- | -- | -- | -- |
| MW-62 | 219 | 150.24 | -135.6 | less-open | 69 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | 3.2E-05 | 9.1E-02 | 0.3 | -- | -- | 1.5 | -- | -- | -- |
| MW-62 | 220 | 150.7 | -136.0 | less-open | 27 | 190 | 177 | 87 | NSR | NSR | NSR | NSR | 3.2E-05 | 9.1E-02 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-62 | 221 | 150.74 | -136.1 | less-open | 70 | 207 | 194 | 104 | 5 | S | 166-200 | 34 | 3.2E-05 | 9.1E-02 | 0.0 | -- | -- | -- | -- | 78.7 | -- |
| MW-62 | 222 | 151.03 | -136.3 | less-open | 70 | 83 | 70 | 340 | 3 | E | 70-115 | 45 | 3.2E-05 | 9.1E-02 | 0.3 | -- | -- | 0.8 | -- | -- | -- |
| MW-62 | 223 | 151.24 | -136.6 | less-open | 66 | 83 | 70 | 340 | 3 | E | 70-115 | 45 | 3.2E-05 | 9.1E-02 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-62 | 224 | 152.27 | -137.6 | less-open | 58 | 339 | 326 | 236 | 2 | NW | 291-335 | 44 | 3.2E-05 | 9.1E-02 | 1.0 | -- | 2.3 | -- | -- | -- | -- |
| MW-62 | 225 | 152.42 | -137.7 | less-open | 59 | 337 | 324 | 234 | 2 | NW | 291-335 | 44 | 3.2E-05 | 9.1E-02 | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-62 | 226 | 153.24 | -138.6 | less-open | 24 | 240 | 227 | 137 | NSR | NSR | NSR | NSR | 3.2E-05 | 9.1E-02 | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-62 | 227 | 153.31 | -138.6 | less-open | 34 | 254 | 241 | 151 | NSR | NSR | NSR | NSR | 3.2E-05 | 9.1E-02 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-62 | 228 | 153.75 | -139.1 | less-open | 51 | 341 | 328 | 238 | 2 | NW | 291-335 | 44 | 3.2E-05 | 9.1E-02 | 0.4 | -- | 1.3 | -- | -- | -- | -- |
| MW-62 | 229 | 153.89 | -139.2 | less-open | 56 | 339 | 326 | 236 | 2 | NW | 291-335 | 44 | 3.2E-05 | 9.1E-02 | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-62 | 230 | 155.3 | -140.6 | less-open | 54 | 343 | 330 | 240 | 2 | NW | 291-335 | 44 | 3.2E-05 | 9.1E-02 | 1.4 | -- | 1.4 | -- | -- | -- | -- |
| MW-62 | 231 | 156.87 | -142.2 | less-open | 48 | 329 | 316 | 226 | 2 | NW | 291-335 | 44 | 1.5E-05 | 4.2E-02 | 1.6 | -- | 1.6 | -- | -- | -- | -- |
| MW-62 | 232 | 158.23 | -143.5 | less-open | 34 | 334 | 321 | 231 | NSR | NSR | NSR | NSR | 1.5E-05 | 4.2E-02 | 1.4 | -- | -- | -- | -- | -- | -- |
| MW-62 | 233 | 158.38 | -143.7 | less-open | 47 | 333 | 320 | 230 | 2 | NW | 291-335 | 44 | 1.5E-05 | 4.2E-02 | 0.2 | -- | 1.5 | -- | -- | -- | -- |
| MW-62 | 234 | 159.03 | -144.3 | less-open | 55 | 322 | 309 | 219 | 2 | NW | 291-335 | 44 | 1.5E-05 | 4.2E-02 | 0.7 | -- | 0.7 | -- | -- | -- | -- |
| MW-62 | 235 | 159.32 | -144.6 | open | 39 | 322 | 309 | 219 | 2 | NW | 291-335 | 44 | 1.5E-05 | 4.2E-02 | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-62 | 236 | 159.7 | -145.0 | less-open | 49 | 332 | 319 | 229 | 2 | NW | 291-335 | 44 | 1.5E-05 | 4.2E-02 | 0.4 | -- | 0.4 | -- | -- | -- | -- |
| MW-62 | 237 | 159.78 | -145.1 | less-open | 47 | 326 | 313 | 223 | 2 | NW | 291-335 | 44 | 1.5E-05 | 4.2E-02 | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-62 | 238 | 160.5 | -145.8 | less-open | 47 | 332 | 319 | 229 | 2 | NW | 291-335 | 44 | 1.5E-05 | 4.2E-02 | 0.7 | -- | 0.7 | -- | -- | -- | -- |
| MW-62 | 239 | 160.51 | -145.8 | less-open | 61 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | 1.5E-05 | 4.2E-02 | 0.0 | -- | -- | 9.3 | -- | -- | -- |
| MW-62 | 240 | 160.8 | -146.1 | less-open | 64 | 105 | 92 | 2 | 3 | E | 70-115 | 45 | 1.5E-05 | 4.2E-02 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-62 | 241 | 161.15 | -146.5 | less-open | 45 | 320 | 307 | 217 | 2 | NW | 291-335 | 44 | 1.5E-05 | 4.2E-02 | 0.3 | -- | 0.7 | -- | -- | -- | -- |
| MW-62 | 242 | 161.56 | -146.9 | less-open | 49 | 315 | 302 | 212 | 2 | NW | 291-335 | 44 | 1.5E-05 | 4.2E-02 | 0.4 | -- | 0.4 | -- | -- | -- | -- |
| MW-62 | 243 | 161.69 | -147.0 | less-open | 45 | 326 | 313 | 223 | 2 | NW | 291-335 | 44 | 1.5E-05 | 4.2E-02 | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-62 | 244 | 161.93 | -147.2 | less-open | 50 | 321 | 308 | 218 | 2 | NW | 291-335 | 44 | 1.5E-05 | 4.2E-02 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-62 | 245 | 162.2 | -147.5 | less-open | 46 | 324 | 311 | 221 | 2 | NW | 291-335 | 44 | 1.5E-05 | 4.2E-02 | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-62 | 246 | 162.37 | -147.7 | less-open | 45 | 322 | 309 | 219 | 2 | NW | 291-335 | 44 | 1.5E-05 | 4.2E-02 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-62 | 247 | 163.38 | -148.7 | less-open | 46 | 84 | 71 | 341 | 3 | E | 70-115 | 45 | 1.5E-05 | 4.2E-02 | 1.0 | -- | -- | 2.6 | -- | -- | -- |
| MW-62 | 248 | 163.87 | -149.2 | less-open | 21 | 26 | 13 | 283 | NSR | NSR | NSR | NSR | 1.5E-05 | 4.2E-02 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-62 | 249 | 164.07 | -149.4 | less-open | 70 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | 1.5E-05 | 4.2E-02 | 0.2 | -- | -- | 0.7 | -- | -- | -- |
| MW-62 | 250 | 164.41 | -149.7 | less-open | 72 | 99 | 86 | 356 | 3 | E | 70-115 | 45 | 1.5E-05 | 4.2E-02 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-62 | 251 | 165.42 | -150.7 | less-open | 48 | 360 | 347 | 257 | 6 | N | 336-21 | 45 | 1.5E-05 | 4.2E-02 | 1.0 | -- | -- | -- | -- | -- | 35.6 |
| MW-62 | 252 | 165.44 | -150.8 | less-open | 35 | 285 | 272 | 182 | 4 | W | 245-290 | 45 | 1.5E-05 | 4.2E-02 | 0.0 | -- | -- | -- | 28.4 | -- | -- |
| MW-62 | 253 | 166.03 | -151.3 | less-open | 47 | 343 | 330 | 240 | 2 | NW | 291-335 | 44 | 1.5E-05 | 4.2E-02 | 0.6 | -- | 3.7 | -- | -- | -- | -- |
| MW-62 | 254 | 168.12 | -153.4 | less-open | 49 | 6 | 353 | 263 | 6 | N | 336-21 | 45 | 1.2E-04 | 3.4E-01 | 2.1 | -- | -- | -- | -- | -- | 2.7 |
| MW-62 | 255 | 168.67 | -154.0 | less-open | 16 | 31 | 18 | 288 | NSR | NSR | NSR | NSR | 1.2E-04 | 3.4E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-62 | 256 | 169.28 | -154.6 | less-open | 58 | 28 | 15 | 285 | 6 | N | 336-21 | 45 | 1.2E-04 | 3.4E-01 | 0.6 | -- | -- | -- | -- | -- | 1.2 |
| MW-62 | 257 | 169.37 | -154.7 | less-open | 51 | 333 | 320 | 230 | 2 | NW | 291-335 | 44 | 1.2E-04 | 3.4E-01 | 0.1 | -- | 3.3 | -- | -- | -- | -- |
| MW-62 | 258 | 169.67 | -155.0 | less-open | 43 | 44 | 31 | 301 | NSR | NSR | NSR | NSR | 1.2E-04 | 3.4E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-62 | 259 | 170.28 | -155.6 | less-open | 68 | 44 | 31 | 301 | NSR | NSR | NSR | NSR | 1.2E-04 | 3.4E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-62 | 260 | 170.37 | -155.7 | less-open | 35 | 57 | 44 | 314 | NSR | NSR | NSR | NSR | 1.2E-04 | 3.4E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-62 | 261 | 170.77 | -156.1 | less-open | 27 | 34 | 21 | 291 | NSR | NSR | NSR | NSR | 1.2E-04 | 3.4E-01 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-62 | 262 | 171.24 | -156.6 | less-open | 35 | 66 | 53 | 323 | NSR | NSR | NSR | NSR | 1.2E-04 | 3.4E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-62 | 263 | 171.73 | -157.0 | less-open | 57 | 342 | 329 | 239 | 2 | NW | 291-335 | 44 | 1.2E-04 | 3.4E-01 | 0.5 | -- | 2.4 | -- | -- | -- | -- |
| MW-62 | 264 | 172.57 | -157.9 | less-open | 56 | 335 | 322 | 232 | 2 | NW | 291-335 | 44 | 1.2E-04 | 3.4E-01 | 0.8 | -- | 0.8 | -- | -- | -- | -- |
| MW-62 | 265 | 173.46 | -158.8 | less-open | 54 | 10 | 357 | 267 | 6 | N | 336-21 | 45 | 1.2E-04 | 3.4E-01 | 0.9 | -- | -- | -- | -- | -- | 4.2 |
| MW-62 | 266 | 173.99 | -159.3 | less-open | 59 | 324 | 311 | 221 | 2 | NW | 291-335 | 44 | 1.2E-04 | 3.4E-01 | 0.5 | -- | 1.4 | -- | -- | -- | -- |
| MW-62 | 267 | 174.16 | -159.5 | less-open | 52 | 338 | 325 | 235 | 2 | NW | 291-335 | 44 | 1.2E-04 | 3.4E-01 | 0.2 | -- | 0.2 | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-62 | 268 | 174.49 | -159.8 | less-open | 49 | 335 | 322 | 232 | 2 | NW | 291-335 | 44 | 1.2E-04 | 3.4E-01 | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-62 | 269 | 174.83 | -160.1 | less-open | 59 | 311 | 298 | 208 | 2 | NW | 291-335 | 44 | 1.2E-04 | 3.4E-01 | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-62 | 270 | 175.71 | -161.0 | less-open | 66 | 333 | 320 | 230 | 2 | NW | 291-335 | 44 | 1.2E-04 | 3.4E-01 | 0.9 | -- | 0.9 | -- | -- | -- | -- |
| MW-62 | 271 | 175.84 | -161.2 | less-open | 71 | 93 | 80 | 350 | 3 | E | 70-115 | 45 | 2.6E-04 | 7.2E-01 | 0.1 | -- | -- | 11.4 | -- | -- | -- |
| MW-62 | 272 | 179.07 | -164.4 | less-open | 68 | 96 | 83 | 353 | 3 | E | 70-115 | 45 | 2.6E-04 | 7.2E-01 | 3.2 | -- | -- | 3.2 | -- | -- | -- |
| MW-62 | 273 | 179.24 | -164.6 | less-open | 71 | 97 | 84 | 354 | 3 | E | 70-115 | 45 | 2.6E-04 | 7.2E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-62 | 274 | 179.92 | -165.2 | less-open | 71 | 330 | 317 | 227 | 2 | NW | 291-335 | 44 | 2.6E-04 | 7.2E-01 | 0.7 | -- | 4.2 | -- | -- | -- | -- |
| MW-62 | 275 | 181.48 | -166.8 | less-open | 62 | 249 | 236 | 146 | NSR | NSR | NSR | NSR | 2.6E-04 | 7.2E-01 | 1.6 | -- | -- | -- | -- | -- | -- |
| MW-62 | 276 | 182.32 | -167.6 | less-open | 42 | 12 | 359 | 269 | 6 | N | 336-21 | 45 | 2.6E-04 | 7.2E-01 | 0.8 | -- | -- | -- | -- | -- | 8.9 |
| MW-62 | 277 | 184.03 | -169.3 | less-open | 68 | 151 | 138 | 48 | 1 | SE | 116-165 | 49 | 2.6E-04 | 7.2E-01 | 1.7 | 112.6 | -- | -- | -- | -- | -- |
| MW-62 | 278 | 184.23 | -169.5 | less-open | 71 | 322 | 309 | 219 | 2 | NW | 291-335 | 44 | 2.6E-04 | 7.2E-01 | 0.2 | -- | 4.3 | -- | -- | -- | -- |
| MW-62 | 279 | 184.42 | -169.7 | less-open | 45 | 308 | 295 | 205 | 2 | NW | 291-335 | 44 | 2.6E-04 | 7.2E-01 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-62 | 280 | 185.34 | -170.7 | less-open | 59 | 249 | 236 | 146 | NSR | NSR | NSR | NSR | 2.6E-04 | 7.2E-01 | 0.9 | -- | -- | -- | -- | -- | -- |
| MW-62 | 281 | 185.79 | -171.1 | less-open | 31 | 349 | 336 | 246 | NSR | NSR | NSR | NSR | 2.6E-04 | 7.2E-01 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-62 | 282 | 186.81 | -172.1 | less-open | 46 | 76 | 63 | 333 | NSR | NSR | NSR | NSR | 1.3E-04 | 3.7E-01 | 1.0 | -- | -- | -- | -- | -- | -- |
| MW-62 | 283 | 188.54 | -173.9 | less-open | 39 | 303 | 290 | 200 | 4 | W | 245-290 | 45 | 1.3E-04 | 3.7E-01 | 1.7 | -- | -- | -- | 23.1 | -- | -- |
| MW-62 | 284 | 188.89 | -174.2 | less-open | 47 | 318 | 305 | 215 | 2 | NW | 291-335 | 44 | 1.3E-04 | 3.7E-01 | 0.3 | -- | 4.5 | -- | -- | -- | -- |
| MW-62 | 285 | 189.81 | -175.1 | less-open | 73 | 298 | 285 | 195 | 4 | W | 245-290 | 45 | 1.3E-04 | 3.7E-01 | 0.9 | -- | -- | -- | 1.3 | -- | -- |
| MW-62 | 286 | 190.68 | -176.0 | less-open | 14 | 32 | 19 | 289 | NSR | NSR | NSR | NSR | 1.3E-04 | 3.7E-01 | 0.9 | -- | -- | -- | -- | -- | -- |
| MW-62 | 287 | 190.91 | -176.2 | less-open | 22 | 347 | 334 | 244 | NSR | NSR | NSR | NSR | 1.3E-04 | 3.7E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-62 | 288 | 193.29 | -178.6 | less-open | 77 | 297 | 284 | 194 | 4 | W | 245-290 | 45 | 1.3E-04 | 3.7E-01 | 2.4 | -- | -- | -- | 3.5 | -- | -- |
| MW-62 | 289 | 193.65 | -179.0 | less-open | 42 | 295 | 282 | 192 | 4 | W | 245-290 | 45 | 1.3E-04 | 3.7E-01 | 0.4 | -- | -- | -- | 0.4 | -- | -- |
| MW-62 | 290 | 195.42 | -180.7 | less-open | 16 | 302 | 289 | 199 | NSR | NSR | NSR | NSR | 1.3E-04 | 3.7E-01 | 1.8 | -- | -- | -- | -- | -- | -- |
| MW-62 | 291 | 195.91 | -181.2 | less-open | 16 | 332 | 319 | 229 | NSR | NSR | NSR | NSR | 1.3E-04 | 3.7E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-62 | 292 | 196.37 | -181.7 | less-open | 49 | 333 | 320 | 230 | 2 | NW | 291-335 | 44 | 1.3E-04 | 3.7E-01 | 0.5 | -- | 7.5 | -- | -- | -- | -- |
| MW-62 | 293 | 196.49 | -181.8 | less-open | 72 | 99 | 86 | 356 | 3 | E | 70-115 | 45 | 1.3E-04 | 3.7E-01 | 0.1 | -- | -- | 17.3 | -- | -- | -- |
| MW-62 | 294 | 196.68 | -182.0 | less-open | 76 | 131 | 118 | 28 | 1 | SE | 116-165 | 49 | 1.3E-04 | 3.7E-01 | 0.2 | 12.7 | -- | -- | -- | -- | -- |
| MW-62 | 295 | 196.71 | -182.0 | less-open | 53 | 128 | 115 | 25 | 3 | E | 70-115 | 45 | 1.3E-04 | 3.7E-01 | 0.0 | -- | -- | 0.2 | -- | -- | -- |
| MW-62 | 296 | 197.12 | -182.4 | less-open | 41 | 58 | 45 | 315 | NSR | NSR | NSR | NSR | 1.3E-04 | 3.7E-01 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-62 | 297 | 197.2 | -182.5 | less-open | 38 | 45 | 32 | 302 | NSR | NSR | NSR | NSR | 1.3E-04 | 3.7E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-62 | 298 | 197.32 | -182.6 | less-open | 66 | 127 | 114 | 24 | 3 | E | 70-115 | 45 | 1.3E-04 | 3.7E-01 | 0.1 | -- | -- | 0.6 | -- | -- | -- |
| MW-62 | 299 | 197.34 | -182.7 | less-open | 68 | 130 | 117 | 27 | 1 | SE | 116-165 | 49 | 1.3E-04 | 3.7E-01 | 0.0 | 0.7 | -- | -- | -- | -- | -- |
| MW-62 | 300 | 197.67 | -183.0 | less-open | 70 | 113 | 100 | 10 | 3 | E | 70-115 | 45 | 1.3E-04 | 3.7E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-62 | 301 | 198.24 | -183.6 | less-open | 32 | 13 | 0 | 270 | NSR | NSR | NSR | NSR | 1.3E-04 | 3.7E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-62 | 302 | 198.71 | -184.0 | less-open | 88 | 20 | 7 | 277 | NSR | NSR | NSR | NSR | 1.3E-04 | 3.7E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-62 | 303 | 199.02 | -184.3 | less-open | 87 | 12 | 359 | 269 | NSR | NSR | NSR | NSR | 1.3E-04 | 3.7E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-63 | 1 | 36.98 | -22.8 | less-open | 56 | 87 | 74 | 344 | 3 | E | 70-115 | 45 | 2.5E-04 | 7.0E-01 | NA | -- | -- | 37.0 | -- | -- | -- |
| MW-63 | 2 | 37.28 | -23.1 | less-open | 49 | 84 | 71 | 341 | 3 | E | 70-115 | 45 | 2.5E-04 | 7.0E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-63 | 3 | 37.41 | -23.2 | less-open | 40 | 282 | 269 | 179 | 4 | W | 245-290 | 45 | 2.5E-04 | 7.0E-01 | 0.1 | -- | -- | -- | 37.4 | -- | -- |
| MW-63 | 4 | 37.44 | -23.3 | less-open | 49 | 87 | 74 | 344 | 3 | E | 70-115 | 45 | 2.5E-04 | 7.0E-01 | 0.0 | -- | -- | 0.2 | -- | -- | -- |
| MW-63 | 5 | 37.46 | -23.3 | less-open | 57 | 65 | 52 | 322 | NSR | NSR | NSR | NSR | 2.5E-04 | 7.0E-01 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-63 | 6 | 37.49 | -23.3 | less-open | 43 | 257 | 244 | 154 | NSR | NSR | NSR | NSR | 2.5E-04 | 7.0E-01 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-63 | 7 | 38.08 | -23.9 | less-open | 57 | 79 | 66 | 336 | NSR | NSR | NSR | NSR | 2.5E-04 | 7.0E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-63 | 8 | 38.33 | -24.2 | less-open | 27 | 266 | 253 | 163 | NSR | NSR | NSR | NSR | 2.5E-04 | 7.0E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-63 | 9 | 39.01 | -24.8 | less-open | 76 | 144 | 131 | 41 | 1 | SE | 116-165 | 49 | 2.5E-04 | 7.0E-01 | 0.7 | 39.0 | -- | -- | -- | -- | -- |
| MW-63 | 10 | 39.69 | -25.5 | less-open | 75 | 147 | 134 | 44 | 1 | SE | 116-165 | 49 | 2.5E-04 | 7.0E-01 | 0.7 | 0.7 | -- | -- | -- | -- | -- |
| MW-63 | 11 | 40.12 | -25.9 | less-open | 24 | 283 | 270 | 180 | NSR | NSR | NSR | NSR | 2.5E-04 | 7.0E-01 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-63 | 12 | 40.53 | -26.4 | less-open | 43 | 194 | 181 | 91 | 5 | S | 166-200 | 34 | 2.5E-04 | 7.0E-01 | 0.4 | -- | -- | -- | -- | 40.5 | -- |
| MW-63 | 13 | 40.90 | -26.7 | less-open | 26 | 276 | 263 | 173 | NSR | NSR | NSR | NSR | 2.5E-04 | 7.0E-01 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-63 | 14 | 41.22 | -27.0 | less-open | 21 | 275 | 262 | 172 | NSR | NSR | NSR | NSR | 2.5E-04 | 7.0E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-63 | 15 | 41.31 | -27.1 | less-open | 67 | 249 | 236 | 146 | NSR | NSR | NSR | NSR | 2.5E-04 | 7.0E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-63 | 16 | 41.47 | -27.3 | less-open | 50 | 236 | 223 | 133 | NSR | NSR | NSR | NSR | 2.5E-04 | 7.0E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-63 | 17 | 41.76 | -27.6 | less-open | 55 | 213 | 200 | 110 | 5 | S | 166-200 | 34 | 2.5E-04 | 7.0E-01 | 0.3 | -- | -- | -- | -- | 1.2 | -- |
| MW-63 | 18 | 42.53 | -28.4 | less-open | 14 | 288 | 275 | 185 | NSR | NSR | NSR | NSR | 2.5E-04 | 7.0E-01 | 0.8 | -- | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-63 | 19 | 42.80 | -28.6 | less-open | 15 | 280 | 267 | 177 | NSR | NSR | NSR | NSR | 2.5E-04 | 7.0E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-63 | 20 | 42.89 | -28.7 | less-open | 16 | 308 | 295 | 205 | NSR | NSR | NSR | NSR | 2.5E-04 | 7.0E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-63 | 21 | 43.10 | -28.9 | less-open | 54 | 84 | 71 | 341 | 3 | E | 70-115 | 45 | 2.5E-04 | 7.0E-01 | 0.2 | -- | -- | 5.7 | -- | -- | -- |
| MW-63 | 22 | 43.17 | -29.0 | less-open | 64 | 241 | 228 | 138 | NSR | NSR | NSR | NSR | 2.5E-04 | 7.0E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-63 | 23 | 43.31 | -29.1 | less-open | 42 | 100 | 87 | 357 | 3 | E | 70-115 | 45 | 2.5E-04 | 7.0E-01 | 0.1 | -- | -- | 0.2 | -- | -- | -- |
| MW-63 | 24 | 43.78 | -29.6 | less-open | 44 | 90 | 77 | 347 | 3 | E | 70-115 | 45 | 2.5E-04 | 7.0E-01 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-63 | 25 | 44.27 | -30.1 | less-open | 60 | 89 | 76 | 346 | 3 | E | 70-115 | 45 | 2.5E-04 | 7.0E-01 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-63 | 26 | 44.45 | -30.3 | less-open | 64 | 269 | 256 | 166 | 4 | W | 245-290 | 45 | 2.5E-04 | 7.0E-01 | 0.2 | -- | -- | -- | 7.0 | -- | -- |
| MW-63 | 27 | 44.57 | -30.4 | less-open | 80 | 110 | 97 | 7 | 3 | E | 70-115 | 45 | 2.5E-04 | 7.0E-01 | 0.1 | -- | -- | 0.3 | -- | -- | -- |
| MW-63 | 28 | 45.14 | -31.0 | less-open | 58 | 316 | 303 | 213 | 2 | NW | 291-335 | 44 | 2.5E-04 | 7.0E-01 | 0.6 | -- | 45.1 | -- | -- | -- | -- |
| MW-63 | 29 | 45.20 | -31.0 | less-open | 23 | 7 | 354 | 264 | NSR | NSR | NSR | NSR | 2.5E-04 | 7.0E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-63 | 30 | 45.59 | -31.4 | less-open | 58 | 83 | 70 | 340 | 3 | E | 70-115 | 45 | 2.5E-04 | 7.0E-01 | 0.4 | -- | -- | 1.0 | -- | -- | -- |
| MW-63 | 31 | 45.69 | -31.5 | less-open | 42 | 278 | 265 | 175 | 4 | W | 245-290 | 45 | 2.5E-04 | 7.0E-01 | 0.1 | -- | -- | -- | 1.2 | -- | -- |
| MW-63 | 32 | 45.75 | -31.6 | less-open | 39 | 280 | 267 | 177 | 4 | W | 245-290 | 45 | 2.5E-04 | 7.0E-01 | 0.1 | -- | -- | -- | 0.1 | -- | -- |
| MW-63 | 33 | 45.78 | -31.6 | less-open | 39 | 97 | 84 | 354 | 3 | E | 70-115 | 45 | 2.5E-04 | 7.0E-01 | 0.0 | -- | -- | 0.2 | -- | -- | -- |
| MW-63 | 34 | 45.78 | -31.6 | less-open | 58 | 97 | 84 | 354 | 3 | E | 70-115 | 45 | 2.5E-04 | 7.0E-01 | 0.0 | -- | -- | 0.0 | -- | -- | -- |
| MW-63 | 35 | 45.98 | -31.8 | less-open | 50 | 103 | 90 | 0 | 3 | E | 70-115 | 45 | 2.5E-04 | 7.0E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-63 | 36 | 46.30 | -32.1 | less-open | 55 | 89 | 76 | 346 | 3 | E | 70-115 | 45 | 2.5E-04 | 7.0E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-63 | 37 | 46.55 | -32.4 | less-open | 33 | 306 | 293 | 203 | NSR | NSR | NSR | NSR | 2.5E-04 | 7.0E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-63 | 38 | 46.59 | -32.4 | less-open | 50 | 82 | 69 | 339 | NSR | NSR | NSR | NSR | 2.5E-04 | 7.0E-01 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-63 | 39 | 46.68 | -32.5 | less-open | 57 | 98 | 85 | 355 | 3 | E | 70-115 | 45 | 2.5E-04 | 7.0E-01 | 0.1 | -- | -- | 0.4 | -- | -- | -- |
| MW-63 | 40 | 46.87 | -32.7 | less-open | 69 | 90 | 77 | 347 | 3 | E | 70-115 | 45 | 2.5E-04 | 7.0E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-63 | 41 | 47.12 | -32.9 | less-open | 39 | 279 | 266 | 176 | 4 | W | 245-290 | 45 | 2.5E-04 | 7.0E-01 | 0.3 | -- | -- | -- | 1.4 | -- | -- |
| MW-63 | 42 | 47.48 | -33.3 | less-open | 43 | 268 | 255 | 165 | 4 | W | 245-290 | 45 | 2.5E-04 | 7.0E-01 | 0.4 | -- | -- | -- | 0.4 | -- | -- |
| MW-63 | 43 | 48.32 | -34.1 | less-open | 46 | 260 | 247 | 157 | 4 | W | 245-290 | 45 | 2.5E-04 | 7.0E-01 | 0.8 | -- | -- | -- | 0.8 | -- | -- |
| MW-63 | 44 | 48.34 | -34.2 | less-open | 64 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | 2.5E-04 | 7.0E-01 | 0.0 | -- | -- | 1.5 | -- | -- | -- |
| MW-63 | 45 | 48.43 | -34.3 | less-open | 48 | 192 | 179 | 89 | 5 | S | 166-200 | 34 | 2.5E-04 | 7.0E-01 | 0.1 | -- | -- | -- | -- | 6.7 | -- |
| MW-63 | 46 | 48.72 | -34.5 | less-open | 42 | 269 | 256 | 166 | 4 | W | 245-290 | 45 | 2.5E-04 | 7.0E-01 | 0.3 | -- | -- | -- | 0.4 | -- | -- |
| MW-63 | 47 | 48.95 | -34.8 | less-open | 43 | 290 | 277 | 187 | 4 | W | 245-290 | 45 | 2.5E-04 | 7.0E-01 | 0.2 | -- | -- | -- | 0.2 | -- | -- |
| MW-63 | 48 | 49.01 | -34.8 | less-open | 61 | 94 | 81 | 351 | 3 | E | 70-115 | 45 | 2.5E-04 | 7.0E-01 | 0.1 | -- | -- | 0.7 | -- | -- | -- |
| MW-63 | 49 | 49.41 | -35.2 | less-open | 31 | 311 | 298 | 208 | NSR | NSR | NSR | NSR | 2.5E-04 | 7.0E-01 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-63 | 50 | 49.95 | -35.8 | less-open | 36 | 290 | 277 | 187 | 4 | W | 245-290 | 45 | 2.5E-04 | 7.0E-01 | 0.5 | -- | -- | -- | 1.0 | -- | -- |
| MW-63 | 51 | 50.33 | -36.2 | less-open | 44 | 279 | 266 | 176 | 4 | W | 245-290 | 45 | 2.5E-04 | 7.0E-01 | 0.4 | -- | -- | -- | 0.4 | -- | -- |
| MW-63 | 52 | 50.51 | -36.3 | less-open | 57 | 90 | 77 | 347 | 3 | E | 70-115 | 45 | 2.5E-04 | 7.0E-01 | 0.2 | -- | -- | 1.5 | -- | -- | -- |
| MW-63 | 53 | 50.55 | -36.4 | less-open | 38 | 307 | 294 | 204 | 2 | NW | 291-335 | 44 | 2.5E-04 | 7.0E-01 | 0.0 | -- | 5.4 | -- | -- | -- | -- |
| MW-63 | 54 | 50.74 | -36.6 | less-open | 34 | 320 | 307 | 217 | 2 | NW | 291-335 | 44 | 3.1E-04 | 8.7E-01 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-63 | 55 | 50.97 | -36.8 | less-open | 54 | 87 | 74 | 344 | 3 | E | 70-115 | 45 | 3.1E-04 | 8.7E-01 | 0.2 | -- | -- | 0.5 | -- | -- | -- |
| MW-63 | 56 | 51.04 | -36.9 | less-open | 52 | 97 | 84 | 354 | 3 | E | 70-115 | 45 | 3.1E-04 | 8.7E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-63 | 57 | 51.17 | -37.0 | less-open | 63 | 253 | 240 | 150 | NSR | NSR | NSR | NSR | 3.1E-04 | 8.7E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-63 | 58 | 51.25 | -37.1 | less-open | 35 | 86 | 73 | 343 | 3 | E | 70-115 | 45 | 3.1E-04 | 8.7E-01 | 0.1 | -- | -- | 0.2 | -- | -- | -- |
| MW-63 | 59 | 51.56 | -37.4 | less-open | 79 | 149 | 136 | 46 | 1 | SE | 116-165 | 49 | 3.1E-04 | 8.7E-01 | 0.3 | 11.9 | -- | -- | -- | -- | -- |
| MW-63 | 60 | 51.93 | -37.8 | open | 43 | 316 | 303 | 213 | 2 | NW | 291-335 | 44 | 3.1E-04 | 8.7E-01 | 0.4 | -- | 1.2 | -- | -- | -- | -- |
| MW-63 | 61 | 52.11 | -37.9 | less-open | 33 | 307 | 294 | 204 | NSR | NSR | NSR | NSR | 3.1E-04 | 8.7E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-63 | 62 | 52.27 | -38.1 | less-open | 40 | 326 | 313 | 223 | 2 | NW | 291-335 | 44 | 3.1E-04 | 8.7E-01 | 0.2 | -- | 0.3 | -- | -- | -- | -- |
| MW-63 | 63 | 52.43 | -38.3 | open | 47 | 319 | 306 | 216 | 2 | NW | 291-335 | 44 | 3.1E-04 | 8.7E-01 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-63 | 64 | 52.62 | -38.4 | less-open | 37 | 302 | 289 | 199 | 4 | W | 245-290 | 45 | 3.1E-04 | 8.7E-01 | 0.2 | -- | -- | -- | 2.3 | -- | -- |
| MW-63 | 65 | 52.69 | -38.5 | less-open | 42 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | 3.1E-04 | 8.7E-01 | 0.1 | -- | -- | 1.4 | -- | -- | -- |
| MW-63 | 66 | 52.81 | -38.6 | less-open | 45 | 103 | 90 | 360 | 3 | E | 70-115 | 45 | 3.1E-04 | 8.7E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-63 | 67 | 52.92 | -38.7 | less-open | 51 | 265 | 252 | 162 | 4 | W | 245-290 | 45 | 3.1E-04 | 8.7E-01 | 0.1 | -- | -- | -- | 0.3 | -- | -- |
| MW-63 | 68 | 53.56 | -39.4 | less-open | 67 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | 3.1E-04 | 8.7E-01 | 0.6 | -- | -- | 0.8 | -- | -- | -- |
| MW-63 | 69 | 53.59 | -39.4 | less-open | 42 | 301 | 288 | 198 | 4 | W | 245-290 | 45 | 3.1E-04 | 8.7E-01 | 0.0 | -- | -- | -- | 0.7 | -- | -- |
| MW-63 | 70 | 53.70 | -39.5 | less-open | 52 | 54 | 41 | 311 | NSR | NSR | NSR | NSR | 3.1E-04 | 8.7E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-63 | 71 | 53.77 | -39.6 | less-open | 42 | 113 | 100 | 10 | 3 | E | 70-115 | 45 | 3.1E-04 | 8.7E-01 | 0.1 | -- | -- | 0.2 | -- | -- | -- |
| MW-63 | 72 | 54.09 | -39.9 | less-open | 42 | 312 | 299 | 209 | 2 | NW | 291-335 | 44 | 3.1E-04 | 8.7E-01 | 0.3 | -- | 1.7 | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-63 | 73 | 54.16 | -40.0 | less-open | 39 | 103 | 90 | 360 | 3 | E | 70-115 | 45 | 3.1E-04 | 8.7E-01 | 0.1 | -- | -- | 0.4 | -- | -- | -- |
| MW-63 | 74 | 54.50 | -40.3 | less-open | 55 | 251 | 238 | 148 | NSR | NSR | NSR | NSR | 3.1E-04 | 8.7E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-63 | 75 | 54.70 | -40.5 | less-open | 47 | 310 | 297 | 207 | 2 | NW | 291-335 | 44 | 3.1E-04 | 8.7E-01 | 0.2 | -- | 0.6 | -- | -- | -- | -- |
| MW-63 | 76 | 54.79 | -40.6 | less-open | 45 | 299 | 286 | 196 | 4 | W | 245-290 | 45 | 3.1E-04 | 8.7E-01 | 0.1 | -- | -- | -- | 1.2 | -- | -- |
| MW-63 | 77 | 54.91 | -40.7 | open | 49 | 296 | 283 | 193 | 4 | W | 245-290 | 45 | 3.1E-04 | 8.7E-01 | 0.1 | -- | -- | -- | 0.1 | -- | -- |
| MW-63 | 78 | 55.11 | -40.9 | less-open | 42 | 81 | 68 | 338 | NSR | NSR | NSR | NSR | 3.1E-04 | 8.7E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-63 | 79 | 55.51 | -41.3 | less-open | 40 | 105 | 92 | 2 | 3 | E | 70-115 | 45 | 3.1E-04 | 8.7E-01 | 0.4 | -- | -- | 1.4 | -- | -- | -- |
| MW-63 | 80 | 55.67 | -41.5 | less-open | 42 | 299 | 286 | 196 | 4 | W | 245-290 | 45 | 3.1E-04 | 8.7E-01 | 0.2 | -- | -- | -- | 0.8 | -- | -- |
| MW-63 | 81 | 55.73 | -41.6 | less-open | 45 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | 3.1E-04 | 8.7E-01 | 0.1 | -- | -- | 0.2 | -- | -- | -- |
| MW-63 | 82 | 56.01 | -41.8 | less-open | 47 | 291 | 278 | 188 | 4 | W | 245-290 | 45 | 3.1E-04 | 8.7E-01 | 0.3 | -- | -- | -- | 0.3 | -- | -- |
| MW-63 | 83 | 56.38 | -42.2 | less-open | 47 | 302 | 289 | 199 | 4 | W | 245-290 | 45 | 3.1E-04 | 8.7E-01 | 0.4 | -- | -- | -- | 0.4 | -- | -- |
| MW-63 | 84 | 56.39 | -42.2 | less-open | 41 | 89 | 76 | 346 | 3 | E | 70-115 | 45 | 3.1E-04 | 8.7E-01 | 0.0 | -- | -- | 0.7 | -- | -- | -- |
| MW-63 | 85 | 56.64 | -42.5 | less-open | 62 | 308 | 295 | 205 | 2 | NW | 291-335 | 44 | 3.1E-04 | 8.7E-01 | 0.3 | -- | 1.9 | -- | -- | -- | -- |
| MW-63 | 86 | 57.19 | -43.0 | less-open | 48 | 97 | 84 | 354 | 3 | E | 70-115 | 45 | 3.1E-04 | 8.7E-01 | 0.5 | -- | -- | 0.8 | -- | -- | -- |
| MW-63 | 87 | 57.25 | -43.1 | less-open | 53 | 308 | 295 | 205 | 2 | NW | 291-335 | 44 | 3.1E-04 | 8.7E-01 | 0.1 | -- | 0.6 | -- | -- | -- | -- |
| MW-63 | 88 | 57.36 | -43.2 | less-open | 56 | 308 | 295 | 205 | 2 | NW | 291-335 | 44 | 3.1E-04 | 8.7E-01 | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-63 | 89 | 57.49 | -43.3 | less-open | 52 | 316 | 303 | 213 | 2 | NW | 291-335 | 44 | 3.1E-04 | 8.7E-01 | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-63 | 90 | 57.61 | -43.4 | less-open | 53 | 315 | 302 | 212 | 2 | NW | 291-335 | 44 | 3.1E-04 | 8.7E-01 | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-63 | 91 | 57.80 | -43.6 | less-open | 48 | 315 | 302 | 212 | 2 | NW | 291-335 | 44 | 3.1E-04 | 8.7E-01 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-63 | 92 | 57.96 | -43.8 | less-open | 48 | 307 | 294 | 204 | 2 | NW | 291-335 | 44 | 3.1E-04 | 8.7E-01 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-63 | 93 | 58.41 | -44.2 | less-open | 64 | 145 | 132 | 42 | 1 | SE | 116-165 | 49 | 3.1E-04 | 8.7E-01 | 0.4 | 6.8 | -- | -- | -- | -- | -- |
| MW-63 | 94 | 58.49 | -44.3 | less-open | 33 | 273 | 260 | 170 | NSR | NSR | NSR | NSR | 3.1E-04 | 8.7E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-63 | 95 | 58.58 | -44.4 | less-open | 52 | 101 | 88 | 358 | 3 | E | 70-115 | 45 | 3.1E-04 | 8.7E-01 | 0.1 | -- | -- | 1.4 | -- | -- | -- |
| MW-63 | 96 | 58.76 | -44.6 | less-open | 47 | 92 | 79 | 349 | 3 | E | 70-115 | 45 | 3.1E-04 | 8.7E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-63 | 97 | 58.95 | -44.8 | less-open | 47 | 301 | 288 | 198 | 4 | W | 245-290 | 45 | 3.1E-04 | 8.7E-01 | 0.2 | -- | -- | -- | 2.6 | -- | -- |
| MW-63 | 98 | 59.22 | -45.0 | less-open | 33 | 79 | 66 | 336 | NSR | NSR | NSR | NSR | 3.1E-04 | 8.7E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-63 | 99 | 59.48 | -45.3 | less-open | 43 | 97 | 84 | 354 | 3 | E | 70-115 | 45 | 3.1E-04 | 8.7E-01 | 0.3 | -- | -- | 0.7 | -- | -- | -- |
| MW-63 | 100 | 59.92 | -45.7 | less-open | 36 | 94 | 81 | 351 | 3 | E | 70-115 | 45 | 3.1E-04 | 8.7E-01 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-63 | 101 | 60.26 | -46.1 | less-open | 40 | 295 | 282 | 192 | 4 | W | 245-290 | 45 | 3.1E-04 | 8.7E-01 | 0.3 | -- | -- | -- | 1.3 | -- | -- |
| MW-63 | 102 | 60.37 | -46.2 | less-open | 54 | 78 | 65 | 335 | NSR | NSR | NSR | NSR | 3.1E-04 | 8.7E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-63 | 103 | 60.43 | -46.3 | less-open | 37 | 306 | 293 | 203 | 2 | NW | 291-335 | 44 | 3.1E-04 | 8.7E-01 | 0.1 | -- | 2.5 | -- | -- | -- | -- |
| MW-63 | 104 | 60.49 | -46.3 | less-open | 53 | 103 | 90 | 360 | 3 | E | 70-115 | 45 | 3.1E-04 | 8.7E-01 | 0.1 | -- | -- | 0.6 | -- | -- | -- |
| MW-63 | 105 | 60.72 | -46.5 | less-open | 69 | 325 | 312 | 222 | 2 | NW | 291-335 | 44 | 3.1E-04 | 8.7E-01 | 0.2 | -- | 0.3 | -- | -- | -- | -- |
| MW-63 | 106 | 60.95 | -46.8 | less-open | 46 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | 1.0E-04 | 2.9E-01 | 0.2 | -- | -- | 0.5 | -- | -- | -- |
| MW-63 | 107 | 61.39 | -47.2 | less-open | 53 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | 1.0E-04 | 2.9E-01 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-63 | 108 | 61.54 | -47.4 | less-open | 75 | 319 | 306 | 216 | 2 | NW | 291-335 | 44 | 1.0E-04 | 2.9E-01 | 0.1 | -- | 0.8 | -- | -- | -- | -- |
| MW-63 | 109 | 62.55 | -48.4 | less-open | 46 | 127 | 114 | 24 | 3 | E | 70-115 | 45 | 1.0E-04 | 2.9E-01 | 1.0 | -- | -- | 1.2 | -- | -- | -- |
| MW-63 | 110 | 62.98 | -48.8 | less-open | 72 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | 1.0E-04 | 2.9E-01 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-63 | 111 | 63.26 | -49.1 | less-open | 45 | 295 | 282 | 192 | 4 | W | 245-290 | 45 | 1.0E-04 | 2.9E-01 | 0.3 | -- | -- | -- | 3.0 | -- | -- |
| MW-63 | 112 | 63.59 | -49.4 | less-open | 31 | 258 | 245 | 155 | NSR | NSR | NSR | NSR | 1.0E-04 | 2.9E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-63 | 113 | 63.82 | -49.6 | less-open | 59 | 104 | 91 | 1 | 3 | E | 70-115 | 45 | 1.0E-04 | 2.9E-01 | 0.2 | -- | -- | 0.8 | -- | -- | -- |
| MW-63 | 114 | 64.23 | -50.1 | less-open | 36 | 265 | 252 | 162 | 4 | W | 245-290 | 45 | 1.0E-04 | 2.9E-01 | 0.4 | -- | -- | -- | 1.0 | -- | -- |
| MW-63 | 115 | 64.33 | -50.2 | less-open | 65 | 98 | 85 | 355 | 3 | E | 70-115 | 45 | 1.0E-04 | 2.9E-01 | 0.1 | -- | -- | 0.5 | -- | -- | -- |
| MW-63 | 116 | 64.42 | -50.2 | less-open | 64 | 93 | 80 | 350 | 3 | E | 70-115 | 45 | 1.0E-04 | 2.9E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-63 | 117 | 64.84 | -50.7 | less-open | 55 | 92 | 79 | 349 | 3 | E | 70-115 | 45 | 1.0E-04 | 2.9E-01 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-63 | 118 | 64.89 | -50.7 | less-open | 23 | 128 | 115 | 25 | NSR | NSR | NSR | NSR | 1.0E-04 | 2.9E-01 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-63 | 119 | 65 | -50.8 | less-open | 56 | 98 | 85 | 355 | 3 | E | 70-115 | 45 | 1.0E-04 | 2.9E-01 | 0.1 | -- | -- | 0.2 | -- | -- | -- |
| MW-63 | 120 | 65.14 | -51.0 | less-open | 45 | 92 | 79 | 349 | 3 | E | 70-115 | 45 | 1.0E-04 | 2.9E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-63 | 121 | 65.6 | -51.4 | less-open | 42 | 96 | 83 | 353 | 3 | E | 70-115 | 45 | 1.0E-04 | 2.9E-01 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-63 | 122 | 65.92 | -51.7 | less-open | 52 | 86 | 73 | 343 | 3 | E | 70-115 | 45 | 1.0E-04 | 2.9E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-63 | 123 | 66.05 | -51.9 | less-open | 57 | 89 | 76 | 346 | 3 | E | 70-115 | 45 | 1.0E-04 | 2.9E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-63 | 124 | 66.19 | -52.0 | less-open | 45 | 96 | 83 | 353 | 3 | E | 70-115 | 45 | 1.0E-04 | 2.9E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-63 | 125 | 66.2 | -52.0 | less-open | 63 | 251 | 238 | 148 | NSR | NSR | NSR | NSR | 1.0E-04 | 2.9E-01 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-63 | 126 | 66.22 | -52.0 | less-open | 80 | 298 | 285 | 195 | 4 | W | 245-290 | 45 | 1.0E-04 | 2.9E-01 | 0.0 | -- | -- | -- | 2.0 | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | | ft/day | | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-63 | 127 | 66.3 | -52.1 | less-open | 42 | 99 | 86 | 356 | 3 | E | 70-115 | 45 | 1.0E-04 | | 2.9E-01 | | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-63 | 128 | 66.5 | -52.3 | less-open | 24 | 324 | 311 | 221 | NSR | NSR | NSR | NSR | 1.0E-04 | | 2.9E-01 | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-63 | 129 | 66.66 | -52.5 | less-open | 40 | 324 | 311 | 221 | 2 | NW | 291-335 | 44 | 1.0E-04 | | 2.9E-01 | | 0.2 | -- | 5.1 | -- | -- | -- | -- |
| MW-63 | 130 | 66.83 | -52.7 | less-open | 29 | 309 | 296 | 206 | NSR | NSR | NSR | NSR | 1.0E-04 | | 2.9E-01 | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-63 | 131 | 66.99 | -52.8 | less-open | 43 | 83 | 70 | 340 | 3 | E | 70-115 | 45 | 1.0E-04 | | 2.9E-01 | | 0.2 | -- | -- | 0.7 | -- | -- | -- |
| MW-63 | 132 | 67.12 | -52.9 | less-open | 58 | 91 | 78 | 348 | 3 | E | 70-115 | 45 | 1.0E-04 | | 2.9E-01 | | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-63 | 133 | 67.21 | -53.0 | less-open | 43 | 87 | 74 | 344 | 3 | E | 70-115 | 45 | 1.0E-04 | | 2.9E-01 | | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-63 | 134 | 67.28 | -53.1 | less-open | 49 | 290 | 277 | 187 | 4 | W | 245-290 | 45 | 1.0E-04 | | 2.9E-01 | | 0.1 | -- | -- | -- | 1.1 | -- | -- |
| MW-63 | 135 | 67.52 | -53.3 | less-open | 51 | 329 | 316 | 226 | 2 | NW | 291-335 | 44 | 1.0E-04 | | 2.9E-01 | | 0.2 | -- | 0.9 | -- | -- | -- | -- |
| MW-63 | 136 | 67.74 | -53.6 | less-open | 43 | 80 | 67 | 337 | NSR | NSR | NSR | NSR | 1.0E-04 | | 2.9E-01 | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-63 | 137 | 67.88 | -53.7 | less-open | 30 | 91 | 78 | 348 | NSR | NSR | NSR | NSR | 1.0E-04 | | 2.9E-01 | | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-63 | 138 | 68.18 | -54.0 | less-open | 33 | 260 | 247 | 157 | NSR | NSR | NSR | NSR | 1.0E-04 | | 2.9E-01 | | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-63 | 139 | 68.53 | -54.4 | less-open | 70 | 292 | 279 | 189 | 4 | W | 245-290 | 45 | 1.0E-04 | | 2.9E-01 | | 0.3 | -- | -- | -- | 1.3 | -- | -- |
| MW-63 | 140 | 68.55 | -54.4 | less-open | 48 | 307 | 294 | 204 | 2 | NW | 291-335 | 44 | 1.0E-04 | | 2.9E-01 | | 0.0 | -- | 1.0 | -- | -- | -- | -- |
| MW-63 | 141 | 68.67 | -54.5 | less-open | 30 | 82 | 69 | 339 | NSR | NSR | NSR | NSR | 1.0E-04 | | 2.9E-01 | | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-63 | 142 | 68.97 | -54.8 | less-open | 68 | 294 | 281 | 191 | 4 | W | 245-290 | 45 | 1.0E-04 | | 2.9E-01 | | 0.3 | -- | -- | -- | 0.4 | -- | -- |
| MW-63 | 143 | 69.27 | -55.1 | less-open | 31 | 336 | 323 | 233 | NSR | NSR | NSR | NSR | 1.0E-04 | | 2.9E-01 | | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-63 | 144 | 69.42 | -55.2 | less-open | 24 | 111 | 98 | 8 | NSR | NSR | NSR | NSR | 1.0E-04 | | 2.9E-01 | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-63 | 145 | 69.72 | -55.5 | less-open | 46 | 101 | 88 | 358 | 3 | E | 70-115 | 45 | 1.0E-04 | | 2.9E-01 | | 0.3 | -- | -- | 2.5 | -- | -- | -- |
| MW-63 | 146 | 69.95 | -55.8 | less-open | 28 | 281 | 268 | 178 | NSR | NSR | NSR | NSR | 1.0E-04 | | 2.9E-01 | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-63 | 147 | 70.03 | -55.9 | less-open | 30 | 97 | 84 | 354 | NSR | NSR | NSR | NSR | 1.0E-04 | | 2.9E-01 | | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-63 | 148 | 70.4 | -56.2 | less-open | 59 | 90 | 77 | 347 | 3 | E | 70-115 | 45 | 1.0E-04 | | 2.9E-01 | | 0.4 | -- | -- | 0.7 | -- | -- | -- |
| MW-63 | 149 | 70.95 | -56.8 | less-open | 50 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | 1.5E-04 | | 4.3E-01 | | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-63 | 150 | 70.97 | -56.8 | less-open | 32 | 291 | 278 | 188 | NSR | NSR | NSR | NSR | 1.5E-04 | | 4.3E-01 | | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-63 | 151 | 71.99 | -57.8 | less-open | 50 | 100 | 87 | 357 | 3 | E | 70-115 | 45 | 1.5E-04 | | 4.3E-01 | | 1.0 | -- | -- | 1.0 | -- | -- | -- |
| MW-63 | 152 | 72.15 | -58.0 | less-open | 81 | 341 | 328 | 238 | NSR | NSR | NSR | NSR | 1.5E-04 | | 4.3E-01 | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-63 | 153 | 72.32 | -58.1 | less-open | 55 | 89 | 76 | 346 | 3 | E | 70-115 | 45 | 1.5E-04 | | 4.3E-01 | | 0.2 | -- | -- | 0.3 | -- | -- | -- |
| MW-63 | 154 | 72.65 | -58.5 | less-open | 52 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | 1.5E-04 | | 4.3E-01 | | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-63 | 155 | 72.67 | -58.5 | less-open | 31 | 270 | 257 | 167 | NSR | NSR | NSR | NSR | 1.5E-04 | | 4.3E-01 | | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-63 | 156 | 72.92 | -58.7 | less-open | 39 | 95 | 82 | 352 | 3 | E | 70-115 | 45 | 1.5E-04 | | 4.3E-01 | | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-63 | 157 | 73.31 | -59.1 | less-open | 53 | 105 | 92 | 2 | 3 | E | 70-115 | 45 | 1.5E-04 | | 4.3E-01 | | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-63 | 158 | 73.32 | -59.1 | less-open | 44 | 324 | 311 | 221 | 2 | NW | 291-335 | 44 | 1.5E-04 | | 4.3E-01 | | 0.0 | -- | 4.8 | -- | -- | -- | -- |
| MW-63 | 159 | 73.53 | -59.4 | less-open | 51 | 66 | 53 | 323 | NSR | NSR | NSR | NSR | 1.5E-04 | | 4.3E-01 | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-63 | 160 | 73.79 | -59.6 | less-open | 41 | 93 | 80 | 350 | 3 | E | 70-115 | 45 | 1.5E-04 | | 4.3E-01 | | 0.3 | -- | -- | 0.5 | -- | -- | -- |
| MW-63 | 161 | 74.28 | -60.1 | less-open | 51 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | 1.5E-04 | | 4.3E-01 | | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-63 | 162 | 74.37 | -60.2 | less-open | 47 | 101 | 88 | 358 | 3 | E | 70-115 | 45 | 1.5E-04 | | 4.3E-01 | | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-63 | 163 | 74.6 | -60.4 | less-open | 68 | 314 | 301 | 211 | 2 | NW | 291-335 | 44 | 1.5E-04 | | 4.3E-01 | | 0.2 | -- | 1.3 | -- | -- | -- | -- |
| MW-63 | 164 | 75.33 | -61.2 | less-open | 42 | 97 | 84 | 354 | 3 | E | 70-115 | 45 | 1.5E-04 | | 4.3E-01 | | 0.7 | -- | -- | 1.0 | -- | -- | -- |
| MW-63 | 165 | 75.36 | -61.2 | less-open | 63 | 211 | 198 | 108 | 5 | S | 166-200 | 34 | 1.5E-04 | | 4.3E-01 | | 0.0 | -- | -- | -- | -- | 26.9 | -- |
| MW-63 | 166 | 75.46 | -61.3 | less-open | 40 | 111 | 98 | 8 | 3 | E | 70-115 | 45 | 1.5E-04 | | 4.3E-01 | | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-63 | 167 | 75.57 | -61.4 | less-open | 38 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | 1.5E-04 | | 4.3E-01 | | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-63 | 168 | 75.79 | -61.6 | less-open | 51 | 101 | 88 | 358 | 3 | E | 70-115 | 45 | 1.5E-04 | | 4.3E-01 | | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-63 | 169 | 76.21 | -62.0 | less-open | 45 | 101 | 88 | 358 | 3 | E | 70-115 | 45 | 1.5E-04 | | 4.3E-01 | | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-63 | 170 | 76.33 | -62.2 | less-open | 46 | 106 | 93 | 3 | 3 | E | 70-115 | 45 | 1.5E-04 | | 4.3E-01 | | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-63 | 171 | 76.96 | -62.8 | less-open | 47 | 96 | 83 | 353 | 3 | E | 70-115 | 45 | 1.5E-04 | | 4.3E-01 | | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-63 | 172 | 77.13 | -63.0 | less-open | 60 | 90 | 77 | 347 | 3 | E | 70-115 | 45 | 1.5E-04 | | 4.3E-01 | | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-63 | 173 | 77.65 | -63.5 | less-open | 45 | 100 | 87 | 357 | 3 | E | 70-115 | 45 | 1.5E-04 | | 4.3E-01 | | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-63 | 174 | 77.88 | -63.7 | less-open | 51 | 79 | 66 | 336 | NSR | NSR | NSR | NSR | 1.5E-04 | | 4.3E-01 | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-63 | 175 | 78.05 | -63.9 | less-open | 63 | 320 | 307 | 217 | 2 | NW | 291-335 | 44 | 1.5E-04 | | 4.3E-01 | | 0.2 | -- | 3.5 | -- | -- | -- | -- |
| MW-63 | 176 | 78.07 | -63.9 | less-open | 51 | 105 | 92 | 2 | 3 | E | 70-115 | 45 | 1.5E-04 | | 4.3E-01 | | 0.0 | -- | -- | 0.4 | -- | -- | -- |
| MW-63 | 177 | 78.58 | -64.4 | less-open | 33 | 246 | 233 | 143 | NSR | NSR | NSR | NSR | 1.5E-04 | 6.5E-04 | 4.3E-01 | 1.9E+00 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-63 | 178 | 78.69 | -64.5 | less-open | 32 | 256 | 243 | 153 | NSR | NSR | NSR | NSR | 1.5E-04 | 6.5E-04 | 4.3E-01 | 1.9E+00 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-63 | 179 | 78.79 | -64.6 | less-open | 34 | 245 | 232 | 142 | NSR | NSR | NSR | NSR | 1.5E-04 | 6.5E-04 | 4.3E-01 | 1.9E+00 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-63 | 180 | 78.95 | -64.8 | less-open | 37 | 250 | 237 | 147 | NSR | NSR | NSR | NSR | 1.5E-04 | 6.5E-04 | 4.3E-01 | 1.9E+00 | 0.2 | -- | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | | ft/day | | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-63 | 181 | 79.4 | -65.2 | less-open | 49 | 232 | 219 | 129 | NSR | NSR | NSR | NSR | 1.5E-04 | 6.5E-04 | 4.3E-01 | 1.9E+00 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-63 | 182 | 79.44 | -65.3 | less-open | 49 | 309 | 296 | 206 | 2 | NW | 291-335 | 44 | 1.5E-04 | 6.5E-04 | 4.3E-01 | 1.9E+00 | 0.0 | -- | 1.4 | -- | -- | -- | -- |
| MW-63 | 183 | 79.54 | -65.4 | less-open | 55 | 101 | 88 | 358 | 3 | E | 70-115 | 45 | 1.5E-04 | 6.5E-04 | 4.3E-01 | 1.9E+00 | 0.1 | -- | -- | 1.5 | -- | -- | -- |
| MW-63 | 184 | 79.89 | -65.7 | less-open | 63 | 219 | 206 | 116 | NSR | NSR | NSR | NSR | 1.5E-04 | 6.5E-04 | 4.3E-01 | 1.9E+00 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-63 | 185 | 80.26 | -66.1 | less-open | 50 | 128 | 115 | 25 | 3 | E | 70-115 | 45 | 1.5E-04 | 6.5E-04 | 4.3E-01 | 1.9E+00 | 0.4 | -- | -- | 0.7 | -- | -- | -- |
| MW-63 | 186 | 80.52 | -66.3 | less-open | 53 | 99 | 86 | 356 | 3 | E | 70-115 | 45 | 1.5E-04 | 6.5E-04 | 4.3E-01 | 1.9E+00 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-63 | 187 | 80.58 | -66.4 | less-open | 72 | 336 | 323 | 233 | 2 | NW | 291-335 | 44 | 1.5E-04 | 6.5E-04 | 4.3E-01 | 1.9E+00 | 0.1 | -- | 1.1 | -- | -- | -- | -- |
| MW-63 | 188 | 80.75 | -66.6 | less-open | 36 | 194 | 181 | 91 | 5 | S | 166-200 | 34 | 1.5E-04 | 6.5E-04 | 4.3E-01 | 1.9E+00 | 0.2 | -- | -- | -- | -- | 5.4 | -- |
| MW-63 | 189 | 81.68 | -67.5 | less-open | 78 | 333 | 320 | 230 | 2 | NW | 291-335 | 44 | 6.5E-04 | | 1.9E+00 | | 0.9 | -- | 1.1 | -- | -- | -- | -- |
| MW-63 | 190 | 83.34 | -69.2 | less-open | 36 | 161 | 148 | 58 | 1 | SE | 116-165 | 49 | 6.5E-04 | | 1.9E+00 | | 1.7 | 24.9 | -- | -- | -- | -- | -- |
| MW-63 | 191 | 84.36 | -70.2 | less-open | 45 | 148 | 135 | 45 | 1 | SE | 116-165 | 49 | 6.5E-04 | | 1.9E+00 | | 1.0 | 1.0 | -- | -- | -- | -- | -- |
| MW-63 | 192 | 84.37 | -70.2 | less-open | 70 | 307 | 294 | 204 | 2 | NW | 291-335 | 44 | 6.5E-04 | | 1.9E+00 | | 0.0 | -- | 2.7 | -- | -- | -- | -- |
| MW-63 | 193 | 84.46 | -70.3 | less-open | 64 | 332 | 319 | 229 | 2 | NW | 291-335 | 44 | 6.5E-04 | | 1.9E+00 | | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-63 | 194 | 84.95 | -70.8 | less-open | 45 | 94 | 81 | 351 | 3 | E | 70-115 | 45 | 6.5E-04 | | 1.9E+00 | | 0.5 | -- | -- | 4.4 | -- | -- | -- |
| MW-63 | 195 | 85.13 | -71.0 | less-open | 16 | 158 | 145 | 55 | NSR | NSR | NSR | NSR | 6.5E-04 | | 1.9E+00 | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-63 | 196 | 85.31 | -71.1 | less-open | 36 | 202 | 189 | 99 | 5 | S | 166-200 | 34 | 6.5E-04 | | 1.9E+00 | | 0.2 | -- | -- | -- | -- | 4.6 | -- |
| MW-63 | 197 | 85.45 | -71.3 | less-open | 20 | 316 | 303 | 213 | NSR | NSR | NSR | NSR | 6.5E-04 | | 1.9E+00 | | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-63 | 198 | 85.69 | -71.5 | less-open | 10 | 213 | 200 | 110 | NSR | NSR | NSR | NSR | 6.5E-04 | | 1.9E+00 | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-63 | 199 | 86.14 | -72.0 | less-open | 78 | 150 | 137 | 47 | 1 | SE | 116-165 | 49 | 6.5E-04 | | 1.9E+00 | | 0.5 | 1.8 | -- | -- | -- | -- | -- |
| MW-63 | 200 | 86.31 | -72.1 | less-open | 35 | 262 | 249 | 159 | 4 | W | 245-290 | 45 | 6.5E-04 | | 1.9E+00 | | 0.2 | -- | -- | -- | 17.3 | -- | -- |
| MW-63 | 201 | 86.98 | -72.8 | less-open | 63 | 90 | 77 | 347 | 3 | E | 70-115 | 45 | 6.5E-04 | | 1.9E+00 | | 0.7 | -- | -- | 2.0 | -- | -- | -- |
| MW-63 | 202 | 87.16 | -73.0 | open | 47 | 265 | 252 | 162 | 4 | W | 245-290 | 45 | 6.5E-04 | | 1.9E+00 | | 0.2 | -- | -- | -- | 0.8 | -- | -- |
| MW-63 | 203 | 87.19 | -73.0 | less-open | 57 | 96 | 83 | 353 | 3 | E | 70-115 | 45 | 6.5E-04 | | 1.9E+00 | | 0.0 | -- | -- | 0.2 | -- | -- | -- |
| MW-63 | 204 | 87.64 | -73.5 | open | 80 | 159 | 146 | 56 | 1 | SE | 116-165 | 49 | 6.5E-04 | | 1.9E+00 | | 0.5 | 1.5 | -- | -- | -- | -- | -- |
| MW-63 | 205 | 87.85 | -73.7 | less-open | 36 | 312 | 299 | 209 | 2 | NW | 291-335 | 44 | 6.5E-04 | | 1.9E+00 | | 0.2 | -- | 3.4 | -- | -- | -- | -- |
| MW-63 | 206 | 88.37 | -74.2 | open | 75 | 164 | 151 | 61 | 1 | SE | 116-165 | 49 | 6.5E-04 | | 1.9E+00 | | 0.5 | 0.7 | -- | -- | -- | -- | -- |
| MW-63 | 207 | 89.71 | -75.5 | open | 74 | 140 | 127 | 37 | 1 | SE | 116-165 | 49 | 3.9E-04 | | 1.1E+00 | | 1.3 | 1.3 | -- | -- | -- | -- | -- |
| MW-63 | 208 | 89.86 | -75.7 | open | 73 | 166 | 153 | 63 | 1 | SE | 116-165 | 49 | 3.9E-04 | | 1.1E+00 | | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-63 | 209 | 90.21 | -76.0 | less-open | 35 | 162 | 149 | 59 | 1 | SE | 116-165 | 49 | 3.9E-04 | | 1.1E+00 | | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-63 | 210 | 90.56 | -76.4 | less-open | 58 | 169 | 156 | 66 | 1 | SE | 116-165 | 49 | 3.9E-04 | | 1.1E+00 | | 0.4 | 0.4 | -- | -- | -- | -- | -- |
| MW-63 | 211 | 90.67 | -76.5 | less-open | 45 | 155 | 142 | 52 | 1 | SE | 116-165 | 49 | 3.9E-04 | | 1.1E+00 | | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-63 | 212 | 91.76 | -77.6 | less-open | 80 | 340 | 327 | 237 | 2 | NW | 291-335 | 44 | 3.9E-04 | | 1.1E+00 | | 1.1 | -- | 3.9 | -- | -- | -- | -- |
| MW-63 | 213 | 91.76 | -77.6 | open | 66 | 135 | 122 | 32 | 1 | SE | 116-165 | 49 | 3.9E-04 | | 1.1E+00 | | 0.0 | 1.1 | -- | -- | -- | -- | -- |
| MW-63 | 214 | 92.43 | -78.3 | open | 66 | 148 | 135 | 45 | 1 | SE | 116-165 | 49 | 3.9E-04 | | 1.1E+00 | | 0.7 | 0.7 | -- | -- | -- | -- | -- |
| MW-63 | 215 | 92.49 | -78.3 | open | 60 | 345 | 332 | 242 | 2 | NW | 291-335 | 44 | 3.9E-04 | | 1.1E+00 | | 0.1 | -- | 0.7 | -- | -- | -- | -- |
| MW-63 | 216 | 92.88 | -78.7 | open | 61 | 130 | 117 | 27 | 1 | SE | 116-165 | 49 | 3.9E-04 | | 1.1E+00 | | 0.4 | 0.4 | -- | -- | -- | -- | -- |
| MW-63 | 217 | 93.11 | -78.9 | open | 62 | 179 | 166 | 76 | 5 | S | 166-200 | 34 | 3.9E-04 | | 1.1E+00 | | 0.2 | -- | -- | -- | -- | 7.8 | -- |
| MW-63 | 218 | 93.72 | -79.5 | less-open | 70 | 168 | 155 | 65 | 1 | SE | 116-165 | 49 | 3.9E-04 | | 1.1E+00 | | 0.6 | 0.8 | -- | -- | -- | -- | -- |
| MW-63 | 219 | 94.16 | -80.0 | less-open | 69 | 165 | 152 | 62 | 1 | SE | 116-165 | 49 | 3.9E-04 | | 1.1E+00 | | 0.4 | 0.4 | -- | -- | -- | -- | -- |
| MW-63 | 220 | 94.84 | -80.7 | open | 52 | 140 | 127 | 37 | 1 | SE | 116-165 | 49 | 3.9E-04 | | 1.1E+00 | | 0.7 | 0.7 | -- | -- | -- | -- | -- |
| MW-63 | 221 | 95 | -80.8 | open | 82 | 290 | 277 | 187 | NSR | NSR | NSR | NSR | 3.9E-04 | | 1.1E+00 | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-63 | 222 | 95.17 | -81.0 | less-open | 70 | 154 | 141 | 51 | 1 | SE | 116-165 | 49 | 3.9E-04 | | 1.1E+00 | | 0.2 | 0.3 | -- | -- | -- | -- | -- |
| MW-63 | 223 | 95.45 | -81.3 | less-open | 68 | 152 | 139 | 49 | 1 | SE | 116-165 | 49 | 3.9E-04 | | 1.1E+00 | | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-63 | 224 | 96.8 | -82.6 | open | 82 | 125 | 112 | 22 | NSR | NSR | NSR | NSR | 3.9E-04 | | 1.1E+00 | | 1.3 | -- | -- | -- | -- | -- | -- |
| MW-63 | 225 | 97.09 | -82.9 | open | 44 | 2 | 349 | 259 | 6 | N | 336-21 | 45 | 3.9E-04 | | 1.1E+00 | | 0.3 | -- | -- | -- | -- | -- | 97.1 |
| MW-63 | 226 | 97.49 | -83.3 | open | 44 | 315 | 302 | 212 | 2 | NW | 291-335 | 44 | 3.9E-04 | | 1.1E+00 | | 0.4 | -- | 5.0 | -- | -- | -- | -- |
| MW-63 | 227 | 97.71 | -83.5 | less-open | 50 | 301 | 288 | 198 | 4 | W | 245-290 | 45 | 3.9E-04 | | 1.1E+00 | | 0.2 | -- | -- | -- | 10.6 | -- | -- |
| MW-63 | 228 | 98.09 | -83.9 | less-open | 40 | 307 | 294 | 204 | 2 | NW | 291-335 | 44 | 3.2E-05 | | 9.0E-02 | | 0.4 | -- | 0.6 | -- | -- | -- | -- |
| MW-63 | 229 | 98.31 | -84.1 | less-open | 34 | 291 | 278 | 188 | NSR | NSR | NSR | NSR | 3.2E-05 | | 9.0E-02 | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-63 | 230 | 98.51 | -84.3 | less-open | 80 | 331 | 318 | 228 | 2 | NW | 291-335 | 44 | 3.2E-05 | | 9.0E-02 | | 0.2 | -- | 0.4 | -- | -- | -- | -- |
| MW-63 | 231 | 98.53 | -84.4 | less-open | 34 | 286 | 273 | 183 | NSR | NSR | NSR | NSR | 3.2E-05 | | 9.0E-02 | | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-63 | 232 | 98.7 | -84.5 | less-open | 48 | 246 | 233 | 143 | NSR | NSR | NSR | NSR | 3.2E-05 | | 9.0E-02 | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-63 | 233 | 99.03 | -84.9 | less-open | 29 | 242 | 229 | 139 | NSR | NSR | NSR | NSR | 3.2E-05 | | 9.0E-02 | | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-63 | 234 | 99.19 | -85.0 | less-open | 76 | 162 | 149 | 59 | 1 | SE | 116-165 | 49 | 3.2E-05 | | 9.0E-02 | | 0.2 | 3.7 | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-63 | 235 | 99.4 | -85.2 | less-open | 49 | 248 | 235 | 145 | NSR | NSR | NSR | NSR | 3.2E-05 | 9.0E-02 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-63 | 236 | 99.65 | -85.5 | less-open | 32 | 306 | 293 | 203 | NSR | NSR | NSR | NSR | 3.2E-05 | 9.0E-02 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-63 | 237 | 99.83 | -85.7 | less-open | 26 | 270 | 257 | 167 | NSR | NSR | NSR | NSR | 3.2E-05 | 9.0E-02 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-63 | 238 | 100.14 | -86.0 | less-open | 37 | 255 | 242 | 152 | NSR | NSR | NSR | NSR | 3.2E-05 | 9.0E-02 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-63 | 239 | 100.31 | -86.1 | less-open | 42 | 97 | 84 | 354 | 3 | E | 70-115 | 45 | 3.2E-05 | 9.0E-02 | 0.2 | -- | -- | 13.1 | -- | -- | -- |
| MW-63 | 240 | 100.84 | -86.7 | less-open | 29 | 260 | 247 | 157 | NSR | NSR | NSR | NSR | 3.2E-05 | 9.0E-02 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-63 | 241 | 100.93 | -86.8 | less-open | 65 | 155 | 142 | 52 | 1 | SE | 116-165 | 49 | 3.2E-05 | 9.0E-02 | 0.1 | 1.7 | -- | -- | -- | -- | -- |
| MW-63 | 242 | 101.62 | -87.4 | less-open | 77 | 324 | 311 | 221 | 2 | NW | 291-335 | 44 | 3.2E-05 | 9.0E-02 | 0.7 | -- | 3.1 | -- | -- | -- | -- |
| MW-63 | 243 | 101.8 | -87.6 | less-open | 45 | 316 | 303 | 213 | 2 | NW | 291-335 | 44 | 3.2E-05 | 9.0E-02 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-63 | 244 | 102.05 | -87.9 | less-open | 47 | 312 | 299 | 209 | 2 | NW | 291-335 | 44 | 3.2E-05 | 9.0E-02 | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-63 | 245 | 102.34 | -88.2 | less-open | 29 | 275 | 262 | 172 | NSR | NSR | NSR | NSR | 3.2E-05 | 9.0E-02 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-63 | 246 | 102.95 | -88.8 | less-open | 51 | 195 | 182 | 92 | 5 | S | 166-200 | 34 | 3.2E-05 | 9.0E-02 | 0.6 | -- | -- | -- | -- | 9.8 | -- |
| MW-63 | 247 | 103.65 | -89.5 | less-open | 60 | 154 | 141 | 51 | 1 | SE | 116-165 | 49 | 3.2E-05 | 9.0E-02 | 0.7 | 2.7 | -- | -- | -- | -- | -- |
| MW-63 | 248 | 103.7 | -89.5 | less-open | 35 | 262 | 249 | 159 | 4 | W | 245-290 | 45 | 3.2E-05 | 9.0E-02 | 0.0 | -- | -- | -- | 6.0 | -- | -- |
| MW-63 | 249 | 104.08 | -89.9 | less-open | 49 | 110 | 97 | 7 | 3 | E | 70-115 | 45 | 3.2E-05 | 9.0E-02 | 0.4 | -- | -- | 3.8 | -- | -- | -- |
| MW-63 | 250 | 104.64 | -90.5 | less-open | 31 | 254 | 241 | 151 | NSR | NSR | NSR | NSR | 3.2E-05 | 9.0E-02 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-63 | 251 | 104.73 | -90.6 | less-open | 37 | 243 | 230 | 140 | NSR | NSR | NSR | NSR | 3.2E-05 | 9.0E-02 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-63 | 252 | 105.1 | -90.9 | less-open | 69 | 68 | 55 | 325 | NSR | NSR | NSR | NSR | 3.2E-05 | 9.0E-02 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-63 | 253 | 105.45 | -91.3 | less-open | 54 | 98 | 85 | 355 | 3 | E | 70-115 | 45 | 3.2E-05 | 9.0E-02 | 0.4 | -- | -- | 1.4 | -- | -- | -- |
| MW-63 | 254 | 106.07 | -91.9 | less-open | 46 | 312 | 299 | 209 | 2 | NW | 291-335 | 44 | 3.2E-05 | 9.0E-02 | 0.6 | -- | 4.0 | -- | -- | -- | -- |
| MW-63 | 255 | 107.43 | -93.3 | less-open | 44 | 306 | 293 | 203 | 2 | NW | 291-335 | 44 | 3.2E-05 | 9.0E-02 | 1.4 | -- | 1.4 | -- | -- | -- | -- |
| MW-63 | 256 | 108.01 | -93.8 | less-open | 37 | 279 | 266 | 176 | 4 | W | 245-290 | 45 | 3.2E-05 | 9.0E-02 | 0.6 | -- | -- | -- | 4.3 | -- | -- |
| MW-63 | 257 | 110.53 | -96.4 | less-open | 52 | 319 | 306 | 216 | 2 | NW | 291-335 | 44 | 3.5E-04 | 1.0E+00 | 2.5 | -- | 3.1 | -- | -- | -- | -- |
| MW-63 | 258 | 110.61 | -96.4 | less-open | 45 | 320 | 307 | 217 | 2 | NW | 291-335 | 44 | 3.5E-04 | 1.0E+00 | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-63 | 259 | 110.67 | -96.5 | less-open | 52 | 320 | 307 | 217 | 2 | NW | 291-335 | 44 | 3.5E-04 | 1.0E+00 | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-63 | 260 | 112.57 | -98.4 | less-open | 33 | 263 | 250 | 160 | NSR | NSR | NSR | NSR | 3.5E-04 | 1.0E+00 | 1.9 | -- | -- | -- | -- | -- | -- |
| MW-63 | 261 | 113.73 | -99.6 | less-open | 58 | 344 | 331 | 241 | 2 | NW | 291-335 | 44 | 3.5E-04 | 1.0E+00 | 1.2 | -- | 3.1 | -- | -- | -- | -- |
| MW-63 | 262 | 113.74 | -99.6 | less-open | 32 | 252 | 239 | 149 | NSR | NSR | NSR | NSR | 3.5E-04 | 1.0E+00 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-63 | 263 | 114.13 | -100.0 | less-open | 32 | 351 | 338 | 248 | NSR | NSR | NSR | NSR | 3.5E-04 | 1.0E+00 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-63 | 264 | 114.32 | -100.1 | less-open | 65 | 137 | 124 | 34 | 1 | SE | 116-165 | 49 | 3.5E-04 | 1.0E+00 | 0.2 | 10.7 | -- | -- | -- | -- | -- |
| MW-63 | 265 | 114.53 | -100.4 | less-open | 27 | 274 | 261 | 171 | NSR | NSR | NSR | NSR | 3.5E-04 | 1.0E+00 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-63 | 266 | 115.43 | -101.3 | less-open | 30 | 253 | 240 | 150 | NSR | NSR | NSR | NSR | 3.5E-04 | 1.0E+00 | 0.9 | -- | -- | -- | -- | -- | -- |
| MW-63 | 267 | 115.87 | -101.7 | less-open | 63 | 96 | 83 | 353 | 3 | E | 70-115 | 45 | 3.5E-04 | 1.0E+00 | 0.4 | -- | -- | 10.4 | -- | -- | -- |
| MW-63 | 268 | 116.6 | -102.4 | less-open | 65 | 140 | 127 | 37 | 1 | SE | 116-165 | 49 | 3.5E-04 | 1.0E+00 | 0.7 | 2.3 | -- | -- | -- | -- | -- |
| MW-63 | 269 | 117.6 | -103.4 | less-open | 61 | 146 | 133 | 43 | 1 | SE | 116-165 | 49 | 3.5E-04 | 1.0E+00 | 1.0 | 1.0 | -- | -- | -- | -- | -- |
| MW-63 | 270 | 117.85 | -103.7 | less-open | 62 | 161 | 148 | 58 | 1 | SE | 116-165 | 49 | 3.5E-04 | 1.0E+00 | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-63 | 271 | 117.87 | -103.7 | less-open | 32 | 258 | 245 | 155 | NSR | NSR | NSR | NSR | 3.5E-04 | 1.0E+00 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-63 | 272 | 118.6 | -104.4 | less-open | 43 | 216 | 203 | 113 | NSR | NSR | NSR | NSR | 3.5E-04 | 1.0E+00 | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-63 | 273 | 119.11 | -104.9 | less-open | 32 | 289 | 276 | 186 | NSR | NSR | NSR | NSR | 3.5E-04 | 1.0E+00 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-63 | 274 | 119.37 | -105.2 | less-open | 60 | 122 | 109 | 19 | 3 | E | 70-115 | 45 | 3.5E-04 | 1.0E+00 | 0.3 | -- | -- | 3.5 | -- | -- | -- |
| MW-63 | 275 | 119.84 | -105.7 | less-open | 33 | 315 | 302 | 212 | NSR | NSR | NSR | NSR | 3.5E-04 | 1.0E+00 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-63 | 276 | 120.11 | -105.9 | less-open | 72 | 97 | 84 | 354 | 3 | E | 70-115 | 45 | TNP | TNP | 0.3 | -- | -- | 0.7 | -- | -- | -- |
| MW-63 | 277 | 120.27 | -106.1 | less-open | 36 | 312 | 299 | 209 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.2 | -- | 6.5 | -- | -- | -- | -- |
| MW-63 | 278 | 120.71 | -106.5 | less-open | 37 | 316 | 303 | 213 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.4 | -- | 0.4 | -- | -- | -- | -- |
| MW-63 | 279 | 120.99 | -106.8 | less-open | 29 | 314 | 301 | 211 | NSR | NSR | NSR | NSR | TNP | TNP | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-63 | 280 | 121.06 | -106.9 | less-open | 58 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | TNP | TNP | 0.1 | -- | -- | 1.0 | -- | -- | -- |
| MW-63 | 281 | 121.37 | -107.2 | less-open | 38 | 326 | 313 | 223 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.3 | -- | 0.7 | -- | -- | -- | -- |
| MW-63 | 282 | 121.59 | -107.4 | less-open | 66 | 137 | 124 | 34 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.2 | 3.7 | -- | -- | -- | -- | -- |
| MW-63 | 283 | 121.83 | -107.7 | less-open | 55 | 293 | 280 | 190 | 4 | W | 245-290 | 45 | TNP | TNP | 0.2 | -- | -- | -- | 13.8 | -- | -- |
| MW-63 | 284 | 122.97 | -108.8 | less-open | 65 | 316 | 303 | 213 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 1.1 | -- | 1.6 | -- | -- | -- | -- |
| MW-63 | 285 | 124.04 | -109.9 | open | 38 | 327 | 314 | 224 | 2 | NW | 291-335 | 44 | 1.1E-04 | 3.0E-01 | 1.1 | -- | 1.1 | -- | -- | -- | -- |
| MW-63 | 286 | 124.44 | -110.3 | less-open | 66 | 105 | 92 | 2 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.4 | -- | -- | 3.4 | -- | -- | -- |
| MW-63 | 287 | 124.75 | -110.6 | less-open | 48 | 298 | 285 | 195 | 4 | W | 245-290 | 45 | 1.1E-04 | 3.0E-01 | 0.3 | -- | -- | -- | 2.9 | -- | -- |
| MW-63 | 288 | 124.99 | -110.8 | less-open | 63 | 104 | 91 | 1 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.2 | -- | -- | 0.5 | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | *Depth from* Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | *True Dip*[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | *Site Sets*[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-63 | 289 | 125.24 | -111.1 | less-open | 60 | 120 | 107 | 17 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-63 | 290 | 125.45 | -111.3 | less-open | 61 | 122 | 109 | 19 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-63 | 291 | 125.58 | -111.4 | less-open | 62 | 104 | 91 | 1 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-63 | 292 | 125.71 | -111.5 | less-open | 66 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-63 | 293 | 126 | -111.8 | less-open | 53 | 128 | 115 | 25 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-63 | 294 | 126.38 | -112.2 | less-open | 60 | 114 | 101 | 11 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-63 | 295 | 126.62 | -112.4 | less-open | 57 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-63 | 296 | 126.73 | -112.6 | less-open | 55 | 118 | 105 | 15 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-63 | 297 | 126.89 | -112.7 | less-open | 65 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-63 | 298 | 127.06 | -112.9 | less-open | 50 | 94 | 81 | 351 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-63 | 299 | 127.44 | -113.3 | less-open | 55 | 122 | 109 | 19 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-63 | 300 | 127.49 | -113.3 | less-open | 82 | 339 | 326 | 236 | NSR | NSR | NSR | NSR | 1.1E-04 | 3.0E-01 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-63 | 301 | 127.69 | -113.5 | less-open | 61 | 139 | 126 | 36 | 1 | SE | 116-165 | 49 | 1.1E-04 | 3.0E-01 | 0.2 | 6.1 | -- | -- | -- | -- | -- |
| MW-63 | 302 | 127.88 | -113.7 | less-open | 54 | 135 | 122 | 32 | 1 | SE | 116-165 | 49 | 1.1E-04 | 3.0E-01 | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-63 | 303 | 128.15 | -114.0 | less-open | 57 | 137 | 124 | 34 | 1 | SE | 116-165 | 49 | 1.1E-04 | 3.0E-01 | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-63 | 304 | 128.55 | -114.4 | less-open | 60 | 136 | 123 | 33 | 1 | SE | 116-165 | 49 | 1.1E-04 | 3.0E-01 | 0.4 | 0.4 | -- | -- | -- | -- | -- |
| MW-63 | 305 | 129.15 | -115.0 | less-open | 55 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.6 | -- | -- | 1.7 | -- | -- | -- |
| MW-63 | 306 | 129.73 | -115.6 | less-open | 55 | 113 | 100 | 10 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-63 | 307 | 130.1 | -115.9 | less-open | 47 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-63 | 308 | 130.27 | -116.1 | less-open | 66 | 283 | 270 | 180 | 4 | W | 245-290 | 45 | 1.1E-04 | 3.0E-01 | 0.2 | -- | -- | -- | 5.5 | -- | -- |
| MW-63 | 309 | 130.51 | -116.3 | less-open | 57 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.2 | -- | -- | 0.4 | -- | -- | -- |
| MW-63 | 310 | 131.23 | -117.1 | less-open | 60 | 301 | 288 | 198 | 4 | W | 245-290 | 45 | 1.1E-04 | 3.0E-01 | 0.7 | -- | -- | -- | 1.0 | -- | -- |
| MW-63 | 311 | 131.66 | -117.5 | less-open | 59 | 120 | 107 | 17 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 0.4 | -- | -- | 1.2 | -- | -- | -- |
| MW-63 | 312 | 133.15 | -119.0 | less-open | 59 | 106 | 93 | 3 | 3 | E | 70-115 | 45 | 1.1E-04 | 3.0E-01 | 1.5 | -- | -- | 1.5 | -- | -- | -- |
| MW-63 | 313 | 133.36 | -119.2 | less-open | 75 | 103 | 90 | 360 | 3 | E | 70-115 | 45 | TNP | TNP | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-63 | 314 | 133.38 | -119.2 | less-open | 59 | 104 | 91 | 1 | 3 | E | 70-115 | 45 | TNP | TNP | 0.0 | -- | -- | 0.0 | -- | -- | -- |
| MW-63 | 315 | 133.91 | -119.7 | less-open | 61 | 105 | 92 | 2 | 3 | E | 70-115 | 45 | TNP | TNP | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-63 | 316 | 134.06 | -119.9 | less-open | 61 | 110 | 97 | 7 | 3 | E | 70-115 | 45 | TNP | TNP | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-63 | 317 | 134.3 | -120.1 | less-open | 58 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | TNP | TNP | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-63 | 318 | 134.37 | -120.2 | less-open | 83 | 346 | 333 | 243 | NSR | NSR | NSR | NSR | TNP | TNP | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-63 | 319 | 134.45 | -120.3 | less-open | 58 | 111 | 98 | 8 | 3 | E | 70-115 | 45 | TNP | TNP | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-63 | 320 | 134.82 | -120.6 | less-open | 55 | 104 | 91 | 1 | 3 | E | 70-115 | 45 | TNP | TNP | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-63 | 321 | 136.59 | -122.4 | less-open | 36 | 294 | 281 | 191 | 4 | W | 245-290 | 45 | TNP | TNP | 1.8 | -- | -- | -- | 5.4 | -- | -- |
| MW-63 | 322 | 136.77 | -122.6 | less-open | 60 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | TNP | TNP | 0.2 | -- | -- | 2.0 | -- | -- | -- |
| MW-63 | 323 | 137.48 | -123.3 | less-open | 60 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | TNP | TNP | 0.7 | -- | -- | 0.7 | -- | -- | -- |
| MW-63 | 324 | 137.51 | -123.3 | less-open | 36 | 215 | 202 | 112 | NSR | NSR | NSR | NSR | TNP | TNP | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-63 | 325 | 137.98 | -123.8 | less-open | 59 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | TNP | TNP | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-63 | 326 | 138.02 | -123.8 | less-open | 41 | 339 | 326 | 236 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.0 | -- | 14.0 | -- | -- | -- | -- |
| MW-63 | 327 | 138.11 | -123.9 | less-open | 50 | 329 | 316 | 226 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-63 | 328 | 138.2 | -124.0 | less-open | 54 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | TNP | TNP | 0.1 | -- | -- | 0.2 | -- | -- | -- |
| MW-63 | 329 | 138.37 | -124.2 | less-open | 58 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | TNP | TNP | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-63 | 330 | 139.52 | -125.3 | less-open | 49 | 127 | 114 | 24 | 3 | E | 70-115 | 45 | TNP | TNP | 1.2 | -- | -- | 1.2 | -- | -- | -- |
| MW-63 | 331 | 139.96 | -125.8 | less-open | 61 | 105 | 92 | 2 | 3 | E | 70-115 | 45 | TNP | TNP | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-63 | 332 | 140.22 | -126.0 | less-open | 39 | 256 | 243 | 153 | NSR | NSR | NSR | NSR | TNP | TNP | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-63 | 333 | 140.73 | -126.6 | less-open | 12 | 278 | 265 | 175 | NSR | NSR | NSR | NSR | TNP | TNP | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-63 | 334 | 140.76 | -126.6 | less-open | 15 | 274 | 261 | 171 | NSR | NSR | NSR | NSR | TNP | TNP | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-63 | 335 | 142.05 | -127.9 | less-open | 20 | 282 | 269 | 179 | NSR | NSR | NSR | NSR | TNP | TNP | 1.3 | -- | -- | -- | -- | -- | -- |
| MW-63 | 336 | 142.92 | -128.7 | less-open | 30 | 350 | 337 | 247 | NSR | NSR | NSR | NSR | TNP | TNP | 0.9 | -- | -- | -- | -- | -- | -- |
| MW-63 | 337 | 143.3 | -129.1 | less-open | 31 | 316 | 303 | 213 | NSR | NSR | NSR | NSR | TNP | TNP | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-63 | 338 | 143.73 | -129.6 | less-open | 40 | 82 | 69 | 339 | NSR | NSR | NSR | NSR | TNP | TNP | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-63 | 339 | 144.08 | -129.9 | less-open | 60 | 120 | 107 | 17 | 3 | E | 70-115 | 45 | TNP | TNP | 0.4 | -- | -- | 4.1 | -- | -- | -- |
| MW-63 | 340 | 144.36 | -130.2 | less-open | 51 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | TNP | TNP | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-63 | 341 | 144.94 | -130.8 | less-open | 38 | 261 | 248 | 158 | 4 | W | 245-290 | 45 | 1.5E-05 | 4.4E-02 | 0.6 | -- | -- | -- | 8.3 | -- | -- |
| MW-63 | 342 | 146.06 | -131.9 | less-open | 42 | 255 | 242 | 152 | NSR | NSR | NSR | NSR | 1.5E-05 | 4.4E-02 | 1.1 | -- | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-63 | 343 | 146.07 | -131.9 | less-open | 65 | 124 | 111 | 21 | 3 | E | 70-115 | 45 | 1.5E-05 | 4.4E-02 | 0.0 | -- | -- | 1.7 | -- | -- | -- |
| MW-63 | 344 | 146.92 | -132.7 | less-open | 61 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | 1.5E-05 | 4.4E-02 | 0.8 | -- | -- | 0.8 | -- | -- | -- |
| MW-63 | 345 | 147.26 | -133.1 | less-open | 51 | 320 | 307 | 217 | 2 | NW | 291-335 | 44 | 1.5E-05 | 4.4E-02 | 0.3 | -- | 9.1 | -- | -- | -- | -- |
| MW-63 | 346 | 147.83 | -133.7 | less-open | 55 | 125 | 112 | 22 | 3 | E | 70-115 | 45 | 1.5E-05 | 4.4E-02 | 0.6 | -- | -- | 0.9 | -- | -- | -- |
| MW-63 | 347 | 148.14 | -134.0 | less-open | 61 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | 1.5E-05 | 4.4E-02 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-63 | 348 | 148.47 | -134.3 | less-open | 66 | 331 | 318 | 228 | 2 | NW | 291-335 | 44 | 1.5E-05 | 4.4E-02 | 0.3 | -- | 1.2 | -- | -- | -- | -- |
| MW-63 | 349 | 148.77 | -134.6 | less-open | 58 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | 1.5E-05 | 4.4E-02 | 0.3 | -- | -- | 0.6 | -- | -- | -- |
| MW-63 | 350 | 149.09 | -134.9 | less-open | 60 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | 1.5E-05 | 4.4E-02 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-63 | 351 | 149.22 | -135.0 | less-open | 65 | 106 | 93 | 3 | 3 | E | 70-115 | 45 | 1.5E-05 | 4.4E-02 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-63 | 352 | 149.64 | -135.5 | less-open | 60 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | 1.5E-05 | 4.4E-02 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-63 | 353 | 150.34 | -136.2 | less-open | 60 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | 1.5E-05 | 4.4E-02 | 0.7 | -- | -- | 0.7 | -- | -- | -- |
| MW-63 | 354 | 151.25 | -137.1 | less-open | 59 | 110 | 97 | 7 | 3 | E | 70-115 | 45 | 1.5E-05 | 4.4E-02 | 0.9 | -- | -- | 0.9 | -- | -- | -- |
| MW-63 | 355 | 151.37 | -137.2 | less-open | 58 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | 1.5E-05 | 4.4E-02 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-63 | 356 | 151.64 | -137.5 | less-open | 58 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | 1.5E-05 | 4.4E-02 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-63 | 357 | 151.91 | -137.7 | less-open | 39 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | 1.5E-05 | 4.4E-02 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-63 | 358 | 152.17 | -138.0 | less-open | 61 | 99 | 86 | 356 | 3 | E | 70-115 | 45 | 1.5E-05 | 4.4E-02 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-63 | 359 | 153.02 | -138.8 | less-open | 52 | 334 | 321 | 231 | 2 | NW | 291-335 | 44 | 1.5E-05 | 4.4E-02 | 0.9 | -- | 4.6 | -- | -- | -- | -- |
| MW-63 | 360 | 153.16 | -139.0 | less-open | 61 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | 1.5E-05 | 4.4E-02 | 0.1 | -- | -- | 1.0 | -- | -- | -- |
| MW-63 | 361 | 153.47 | -139.3 | less-open | 64 | 122 | 109 | 19 | 3 | E | 70-115 | 45 | 1.5E-05 | 4.4E-02 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-63 | 362 | 153.66 | -139.5 | less-open | 65 | 119 | 106 | 16 | 3 | E | 70-115 | 45 | 1.5E-05 | 4.4E-02 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-63 | 363 | 154.4 | -140.2 | less-open | 60 | 130 | 117 | 27 | 1 | SE | 116-165 | 49 | 1.5E-05 | 4.4E-02 | 0.7 | 25.9 | -- | -- | -- | -- | -- |
| MW-63 | 364 | 154.4 | -140.2 | less-open | 43 | 354 | 341 | 251 | 6 | N | 336-21 | 45 | 1.5E-05 | 4.4E-02 | 0.0 | -- | -- | -- | -- | -- | 57.3 |
| MW-63 | 365 | 154.62 | -140.4 | less-open | 57 | 127 | 114 | 24 | 3 | E | 70-115 | 45 | 1.5E-05 | 4.4E-02 | 0.2 | -- | -- | 1.0 | -- | -- | -- |
| MW-63 | 366 | 154.76 | -140.6 | less-open | 68 | 104 | 91 | 1 | 3 | E | 70-115 | 45 | 1.5E-05 | 4.4E-02 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-63 | 367 | 154.85 | -140.7 | less-open | 66 | 125 | 112 | 22 | 3 | E | 70-115 | 45 | 1.6E-04 | 4.6E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-63 | 368 | 155.01 | -140.8 | less-open | 53 | 103 | 90 | 0 | 3 | E | 70-115 | 45 | 1.6E-04 | 4.6E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-63 | 369 | 155.09 | -140.9 | less-open | 51 | 344 | 331 | 241 | 2 | NW | 291-335 | 44 | 1.6E-04 | 4.6E-01 | 0.1 | -- | 2.1 | -- | -- | -- | -- |
| MW-63 | 370 | 155.2 | -141.0 | less-open | 57 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | 1.6E-04 | 4.6E-01 | 0.1 | -- | -- | 0.2 | -- | -- | -- |
| MW-63 | 371 | 156.03 | -141.9 | less-open | 43 | 351 | 338 | 248 | 6 | N | 336-21 | 45 | 1.6E-04 | 4.6E-01 | 0.8 | -- | -- | -- | -- | -- | 1.6 |
| MW-63 | 372 | 156.69 | -142.5 | less-open | 48 | 349 | 336 | 246 | 6 | N | 336-21 | 45 | 1.6E-04 | 4.6E-01 | 0.7 | -- | -- | -- | -- | -- | 0.7 |
| MW-63 | 373 | 156.85 | -142.7 | less-open | 40 | 337 | 324 | 234 | 2 | NW | 291-335 | 44 | 1.6E-04 | 4.6E-01 | 0.2 | -- | 1.8 | -- | -- | -- | -- |
| MW-63 | 374 | 157.09 | -142.9 | less-open | 53 | 352 | 339 | 249 | 6 | N | 336-21 | 45 | 1.6E-04 | 4.6E-01 | 0.2 | -- | -- | -- | -- | -- | 0.4 |
| MW-63 | 375 | 157.62 | -143.4 | less-open | 54 | 343 | 330 | 240 | 2 | NW | 291-335 | 44 | 1.6E-04 | 4.6E-01 | 0.5 | -- | 0.8 | -- | -- | -- | -- |
| MW-63 | 376 | 158.24 | -144.1 | less-open | 58 | 132 | 119 | 29 | 1 | SE | 116-165 | 49 | 1.6E-04 | 4.6E-01 | 0.6 | 3.8 | -- | -- | -- | -- | -- |
| MW-63 | 377 | 159.36 | -145.2 | less-open | 29 | 294 | 281 | 191 | NSR | NSR | NSR | NSR | 1.6E-04 | 4.6E-01 | 1.1 | -- | -- | -- | -- | -- | -- |
| MW-63 | 378 | 159.67 | -145.5 | less-open | 59 | 132 | 119 | 29 | 1 | SE | 116-165 | 49 | 1.6E-04 | 4.6E-01 | 0.3 | 1.4 | -- | -- | -- | -- | -- |
| MW-63 | 379 | 160.18 | -146.0 | less-open | 57 | 124 | 111 | 21 | 3 | E | 70-115 | 45 | 1.6E-04 | 4.6E-01 | 0.5 | -- | -- | 5.0 | -- | -- | -- |
| MW-63 | 380 | 160.22 | -146.0 | less-open | 53 | 343 | 330 | 240 | 2 | NW | 291-335 | 44 | 1.6E-04 | 4.6E-01 | 0.0 | -- | 2.6 | -- | -- | -- | -- |
| MW-63 | 381 | 161.54 | -147.4 | less-open | 55 | 128 | 115 | 25 | 3 | E | 70-115 | 45 | 1.6E-04 | 4.6E-01 | 1.3 | -- | -- | 1.4 | -- | -- | -- |
| MW-63 | 382 | 161.7 | -147.5 | less-open | 57 | 124 | 111 | 21 | 3 | E | 70-115 | 45 | 1.6E-04 | 4.6E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-63 | 383 | 161.93 | -147.8 | less-open | 44 | 142 | 129 | 39 | 1 | SE | 116-165 | 49 | 1.6E-04 | 4.6E-01 | 0.2 | 2.3 | -- | -- | -- | -- | -- |
| MW-63 | 384 | 162.15 | -148.0 | less-open | 67 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 1.6E-04 | 4.6E-01 | 0.2 | -- | -- | 0.5 | -- | -- | -- |
| MW-63 | 385 | 162.68 | -148.5 | less-open | 47 | 350 | 337 | 247 | 6 | N | 336-21 | 45 | 1.6E-04 | 4.6E-01 | 0.5 | -- | -- | -- | -- | -- | 5.6 |
| MW-63 | 386 | 162.69 | -148.5 | less-open | 66 | 124 | 111 | 21 | 3 | E | 70-115 | 45 | 1.6E-04 | 4.6E-01 | 0.0 | -- | -- | 0.5 | -- | -- | -- |
| MW-63 | 387 | 162.94 | -148.8 | less-open | 62 | 325 | 312 | 222 | 2 | NW | 291-335 | 44 | 1.6E-04 | 4.6E-01 | 0.3 | -- | 2.7 | -- | -- | -- | -- |
| MW-63 | 388 | 163.26 | -149.1 | less-open | 43 | 342 | 329 | 239 | 2 | NW | 291-335 | 44 | 1.6E-04 | 4.6E-01 | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-63 | 389 | 163.49 | -149.3 | less-open | 55 | 351 | 338 | 248 | 6 | N | 336-21 | 45 | 1.6E-04 | 4.6E-01 | 0.2 | -- | -- | -- | -- | -- | 0.8 |
| MW-63 | 390 | 163.86 | -149.7 | less-open | 41 | 333 | 320 | 230 | 2 | NW | 291-335 | 44 | 1.6E-04 | 4.6E-01 | 0.4 | -- | 0.6 | -- | -- | -- | -- |
| MW-63 | 391 | 163.98 | -149.8 | less-open | 45 | 306 | 293 | 203 | 2 | NW | 291-335 | 44 | 1.6E-04 | 4.6E-01 | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-63 | 392 | 164.13 | -150.0 | less-open | 59 | 141 | 128 | 38 | 1 | SE | 116-165 | 49 | 1.6E-04 | 4.6E-01 | 0.2 | 2.2 | -- | -- | -- | -- | -- |
| MW-63 | 393 | 164.37 | -150.2 | less-open | 40 | 342 | 329 | 239 | 2 | NW | 291-335 | 44 | 1.6E-04 | 4.6E-01 | 0.2 | -- | 0.4 | -- | -- | -- | -- |
| MW-63 | 394 | 164.6 | -150.4 | less-open | 54 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | 1.6E-04 | 4.6E-01 | 0.2 | -- | -- | 1.9 | -- | -- | -- |
| MW-63 | 395 | 164.95 | -150.8 | less-open | 50 | 140 | 127 | 37 | 1 | SE | 116-165 | 49 | 1.4E-04 | 3.9E-01 | 0.3 | 0.8 | -- | -- | -- | -- | -- |
| MW-63 | 396 | 165.21 | -151.0 | less-open | 49 | 132 | 119 | 29 | 1 | SE | 116-165 | 49 | 1.4E-04 | 3.9E-01 | 0.3 | 0.3 | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-63 | 397 | 165.45 | -151.3 | less-open | 54 | 145 | 132 | 42 | 1 | SE | 116-165 | 49 | 1.4E-04 | 3.9E-01 | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-63 | 398 | 166.06 | -151.9 | less-open | 51 | 82 | 69 | 339 | NSR | NSR | NSR | NSR | 1.4E-04 | 3.9E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-63 | 399 | 166.6 | -152.4 | less-open | 56 | 70 | 57 | 327 | NSR | NSR | NSR | NSR | 1.4E-04 | 3.9E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-63 | 400 | 166.98 | -152.8 | less-open | 68 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 1.4E-04 | 3.9E-01 | 0.4 | -- | -- | 2.4 | -- | -- | -- |
| MW-63 | 401 | 168.52 | -154.3 | less-open | 64 | 137 | 124 | 34 | 1 | SE | 116-165 | 49 | 1.4E-04 | 3.9E-01 | 1.5 | 3.1 | -- | -- | -- | -- | -- |
| MW-63 | 402 | 168.82 | -154.6 | less-open | 34 | 237 | 224 | 134 | NSR | NSR | NSR | NSR | 1.4E-04 | 3.9E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-63 | 403 | 168.92 | -154.7 | less-open | 71 | 133 | 120 | 30 | 1 | SE | 116-165 | 49 | 1.4E-04 | 3.9E-01 | 0.1 | 0.4 | -- | -- | -- | -- | -- |
| MW-63 | 404 | 169.65 | -155.5 | less-open | 27 | 279 | 266 | 176 | NSR | NSR | NSR | NSR | 1.4E-04 | 3.9E-01 | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-63 | 405 | 170.45 | -156.3 | less-open | 64 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 1.4E-04 | 3.9E-01 | 0.8 | -- | -- | 3.5 | -- | -- | -- |
| MW-63 | 406 | 170.84 | -156.7 | less-open | 61 | 93 | 80 | 350 | 3 | E | 70-115 | 45 | 1.4E-04 | 3.9E-01 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-63 | 407 | 171.09 | -156.9 | less-open | 54 | 129 | 116 | 26 | 1 | SE | 116-165 | 49 | 1.4E-04 | 3.9E-01 | 0.3 | 2.2 | -- | -- | -- | -- | -- |
| MW-63 | 408 | 171.39 | -157.2 | less-open | 61 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 1.4E-04 | 3.9E-01 | 0.3 | -- | -- | 0.5 | -- | -- | -- |
| MW-63 | 409 | 171.76 | -157.6 | less-open | 61 | 288 | 275 | 185 | 4 | W | 245-290 | 45 | 1.4E-04 | 3.9E-01 | 0.4 | -- | -- | -- | 26.8 | -- | -- |
| MW-63 | 410 | 171.98 | -157.8 | less-open | 24 | 263 | 250 | 160 | NSR | NSR | NSR | NSR | 1.4E-04 | 3.9E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-63 | 411 | 172.56 | -158.4 | less-open | 28 | 295 | 282 | 192 | NSR | NSR | NSR | NSR | 1.4E-04 | 3.9E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-63 | 412 | 173.05 | -158.9 | less-open | 35 | 352 | 339 | 249 | 6 | N | 336-21 | 45 | 1.4E-04 | 3.9E-01 | 0.5 | -- | -- | -- | -- | -- | 9.6 |
| MW-63 | 413 | 173.74 | -159.6 | less-open | 69 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | 1.4E-04 | 3.9E-01 | 0.7 | -- | -- | 2.4 | -- | -- | -- |
| MW-63 | 414 | 174.05 | -159.9 | less-open | 57 | 129 | 116 | 26 | 1 | SE | 116-165 | 49 | 1.4E-04 | 3.9E-01 | 0.3 | 3.0 | -- | -- | -- | -- | -- |
| MW-63 | 415 | 174.76 | -160.6 | less-open | 39 | 27 | 14 | 284 | 6 | N | 336-21 | 45 | 1.4E-04 | 3.9E-01 | 0.7 | -- | -- | -- | -- | -- | 1.7 |
| MW-63 | 416 | 175.57 | -161.4 | less-open | 40 | 24 | 11 | 281 | 6 | N | 336-21 | 45 | TNP | TNP | 0.8 | -- | -- | -- | -- | -- | 0.8 |
| MW-63 | 417 | 175.65 | -161.5 | less-open | 60 | 278 | 265 | 175 | 4 | W | 245-290 | 45 | TNP | TNP | 0.1 | -- | -- | -- | 3.9 | -- | -- |
| MW-63 | 418 | 175.77 | -161.6 | less-open | 62 | 315 | 302 | 212 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.1 | -- | 11.4 | -- | -- | -- | -- |
| MW-63 | 419 | 175.94 | -161.8 | less-open | 52 | 347 | 334 | 244 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-63 | 420 | 177.35 | -163.2 | less-open | 33 | 9 | 356 | 266 | NSR | NSR | NSR | NSR | TNP | TNP | 1.4 | -- | -- | -- | -- | -- | -- |
| MW-63 | 421 | 177.47 | -163.3 | less-open | 32 | 320 | 307 | 217 | NSR | NSR | NSR | NSR | TNP | TNP | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-63 | 422 | 177.81 | -163.6 | less-open | 62 | 350 | 337 | 247 | 6 | N | 336-21 | 45 | TNP | TNP | 0.3 | -- | -- | -- | -- | -- | 2.2 |
| MW-63 | 423 | 178.29 | -164.1 | less-open | 62 | 319 | 306 | 216 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.5 | -- | 2.3 | -- | -- | -- | -- |
| MW-63 | 424 | 179.02 | -164.8 | less-open | 61 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | TNP | TNP | 0.7 | -- | -- | 5.3 | -- | -- | -- |
| MW-63 | 425 | 179.24 | -165.1 | less-open | 61 | 99 | 86 | 356 | 3 | E | 70-115 | 45 | TNP | TNP | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-63 | 426 | 180.05 | -165.9 | less-open | 32 | 244 | 231 | 141 | NSR | NSR | NSR | NSR | TNP | TNP | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-63 | 427 | 181.5 | -167.3 | less-open | 16 | 317 | 304 | 214 | NSR | NSR | NSR | NSR | TNP | TNP | 1.4 | -- | -- | -- | -- | -- | -- |
| MW-63 | 428 | 181.94 | -167.8 | less-open | 45 | 50 | 37 | 307 | NSR | NSR | NSR | NSR | TNP | TNP | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-63 | 429 | 182.03 | -167.9 | less-open | 35 | 245 | 232 | 142 | NSR | NSR | NSR | NSR | TNP | TNP | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-63 | 430 | 182.65 | -168.5 | less-open | 68 | 94 | 81 | 351 | 3 | E | 70-115 | 45 | TNP | TNP | 0.6 | -- | -- | 3.4 | -- | -- | -- |
| MW-63 | 431 | 182.87 | -168.7 | less-open | 44 | 260 | 247 | 157 | 4 | W | 245-290 | 45 | TNP | TNP | 0.2 | -- | -- | -- | 7.2 | -- | -- |
| MW-63 | 432 | 182.98 | -168.8 | less-open | 75 | 356 | 343 | 253 | 6 | N | 336-21 | 45 | TNP | TNP | 0.1 | -- | -- | -- | -- | -- | 5.2 |
| MW-63 | 433 | 183.9 | -169.7 | less-open | 66 | 344 | 331 | 241 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.9 | -- | 5.6 | -- | -- | -- | -- |
| MW-63 | 434 | 184.13 | -170.0 | less-open | 76 | 260 | 247 | 157 | 4 | W | 245-290 | 45 | TNP | TNP | 0.2 | -- | -- | -- | 1.3 | -- | -- |
| MW-63 | 435 | 184.15 | -170.0 | less-open | 68 | 347 | 334 | 244 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.0 | -- | 0.3 | -- | -- | -- | -- |
| MW-63 | 436 | 185.77 | -171.6 | less-open | 40 | 319 | 306 | 216 | 2 | NW | 291-335 | 44 | 5.0E-04 | 1.4E+00 | 1.6 | -- | 1.6 | -- | -- | -- | -- |
| MW-63 | 437 | 186.13 | -172.0 | less-open | 42 | 74 | 61 | 331 | NSR | NSR | NSR | NSR | 5.0E-04 | 1.4E+00 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-63 | 438 | 186.35 | -172.2 | less-open | 45 | 227 | 214 | 124 | NSR | NSR | NSR | NSR | 5.0E-04 | 1.4E+00 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-63 | 439 | 186.96 | -172.8 | less-open | 59 | 119 | 106 | 16 | 3 | E | 70-115 | 45 | 5.0E-04 | 1.4E+00 | 0.6 | -- | -- | 4.3 | -- | -- | -- |
| MW-63 | 440 | 187.67 | -173.5 | less-open | 67 | 101 | 88 | 358 | 3 | E | 70-115 | 45 | 5.0E-04 | 1.4E+00 | 0.7 | -- | -- | 0.7 | -- | -- | -- |
| MW-63 | 441 | 188.52 | -174.3 | less-open | 65 | 110 | 97 | 7 | 3 | E | 70-115 | 45 | 5.0E-04 | 1.4E+00 | 0.9 | -- | -- | 0.9 | -- | -- | -- |
| MW-63 | 442 | 189.02 | -174.8 | less-open | 53 | 114 | 101 | 11 | 3 | E | 70-115 | 45 | 5.0E-04 | 1.4E+00 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-63 | 443 | 189.31 | -175.1 | less-open | 34 | 70 | 57 | 327 | NSR | NSR | NSR | NSR | 5.0E-04 | 1.4E+00 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-63 | 444 | 189.7 | -175.5 | less-open | 35 | 57 | 44 | 314 | NSR | NSR | NSR | NSR | 5.0E-04 | 1.4E+00 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-63 | 445 | 190.61 | -176.4 | less-open | 79 | 342 | 329 | 239 | 2 | NW | 291-335 | 44 | 5.0E-04 | 1.4E+00 | 0.9 | -- | 4.8 | -- | -- | -- | -- |
| MW-63 | 446 | 191.63 | -177.5 | less-open | 89 | 349 | 336 | 246 | NSR | NSR | NSR | NSR | 5.0E-04 | 1.4E+00 | 1.0 | -- | -- | -- | -- | -- | -- |
| MW-65 | 1 | 38.18 | 31.5 | less-open | 21 | 237 | 224 | 134 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | NA | -- | -- | -- | -- | -- | -- |
| MW-65 | 2 | 38.34 | 31.4 | less-open | 47 | 146 | 133 | 43 | 1 | SE | 116-165 | 49 | 7.1E-05 | 2.0E-01 | 0.2 | 38.3 | -- | -- | -- | -- | -- |
| MW-65 | 3 | 38.86 | 30.9 | less-open | 60 | 147 | 134 | 44 | 1 | SE | 116-165 | 49 | 7.1E-05 | 2.0E-01 | 0.5 | 0.5 | -- | -- | -- | -- | -- |
| MW-65 | 4 | 38.99 | 30.7 | less-open | 83 | 331 | 318 | 228 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 0.1 | -- | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-65 | 5 | 40.82 | 28.9 | less-open | 70 | 352 | 339 | 249 | 6 | N | 336-21 | 45 | 7.1E-05 | 2.0E-01 | 1.8 | -- | -- | -- | -- | -- | 40.8 |
| MW-65 | 6 | 41.03 | 28.7 | less-open | 67 | 354 | 341 | 251 | 6 | N | 336-21 | 45 | 7.1E-05 | 2.0E-01 | 0.2 | -- | -- | -- | -- | -- | 0.2 |
| MW-65 | 7 | 42.35 | 27.4 | less-open | 80 | 297 | 284 | 194 | 4 | W | 245-290 | 45 | 7.1E-05 | 2.0E-01 | 1.3 | -- | -- | -- | 42.4 | -- | -- |
| MW-65 | 8 | 42.51 | 27.2 | less-open | 47 | 140 | 127 | 37 | 1 | SE | 116-165 | 49 | 7.1E-05 | 2.0E-01 | 0.2 | 3.7 | -- | -- | -- | -- | -- |
| MW-65 | 9 | 42.70 | 27.0 | less-open | 32 | 138 | 125 | 35 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-65 | 10 | 42.90 | 26.8 | less-open | 36 | 124 | 111 | 21 | 3 | E | 70-115 | 45 | 7.1E-05 | 2.0E-01 | 0.2 | -- | -- | 42.9 | -- | -- | -- |
| MW-65 | 11 | 43.19 | 26.5 | less-open | 27 | 163 | 150 | 60 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-65 | 12 | 43.47 | 26.3 | less-open | 69 | 291 | 278 | 188 | 4 | W | 245-290 | 45 | 7.1E-05 | 2.0E-01 | 0.3 | -- | -- | -- | 1.1 | -- | -- |
| MW-65 | 13 | 43.73 | 26.0 | less-open | 47 | 145 | 132 | 42 | 1 | SE | 116-165 | 49 | 7.1E-05 | 2.0E-01 | 0.3 | 1.2 | -- | -- | -- | -- | -- |
| MW-65 | 14 | 44.15 | 25.6 | less-open | 43 | 130 | 117 | 27 | 1 | SE | 116-165 | 49 | 7.1E-05 | 2.0E-01 | 0.4 | 0.4 | -- | -- | -- | -- | -- |
| MW-65 | 15 | 44.65 | 25.1 | open | 32 | 126 | 113 | 23 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-65 | 16 | 45.01 | 24.7 | less-open | 44 | 152 | 139 | 49 | 1 | SE | 116-165 | 49 | 7.1E-05 | 2.0E-01 | 0.4 | 0.9 | -- | -- | -- | -- | -- |
| MW-65 | 17 | 45.10 | 24.6 | less-open | 21 | 130 | 117 | 27 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-65 | 18 | 45.34 | 24.4 | less-open | 83 | 177 | 164 | 74 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-65 | 19 | 45.58 | 24.1 | less-open | 47 | 145 | 132 | 42 | 1 | SE | 116-165 | 49 | 7.1E-05 | 2.0E-01 | 0.2 | 0.6 | -- | -- | -- | -- | -- |
| MW-65 | 20 | 46.63 | 23.1 | less-open | 42 | 133 | 120 | 30 | 1 | SE | 116-165 | 49 | 7.1E-05 | 2.0E-01 | 1.1 | 1.1 | -- | -- | -- | -- | -- |
| MW-65 | 21 | 46.90 | 22.8 | less-open | 39 | 146 | 133 | 43 | 1 | SE | 116-165 | 49 | 7.1E-05 | 2.0E-01 | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-65 | 22 | 47.13 | 22.6 | less-open | 50 | 160 | 147 | 57 | 1 | SE | 116-165 | 49 | 7.1E-05 | 2.0E-01 | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-65 | 23 | 47.61 | 22.1 | less-open | 83 | 175 | 162 | 72 | NSR | NSR | NSR | NSR | 7.1E-05 | 2.0E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-65 | 24 | 48.46 | 21.3 | less-open | 40 | 133 | 120 | 30 | 1 | SE | 116-165 | 49 | 7.1E-05 | 2.0E-01 | 0.9 | 1.3 | -- | -- | -- | -- | -- |
| MW-65 | 25 | 51.70 | 18.0 | less-open | 46 | 133 | 120 | 30 | 1 | SE | 116-165 | 49 | TNP | TNP | 3.2 | 3.2 | -- | -- | -- | -- | -- |
| MW-65 | 26 | 52.01 | 17.7 | less-open | 45 | 147 | 134 | 44 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-65 | 27 | 52.15 | 17.6 | less-open | 31 | 187 | 174 | 84 | NSR | NSR | NSR | NSR | TNP | TNP | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-65 | 28 | 52.34 | 17.4 | less-open | 78 | 351 | 338 | 248 | 6 | N | 336-21 | 45 | TNP | TNP | 0.2 | -- | -- | -- | -- | -- | 11.3 |
| MW-65 | 29 | 53.61 | 16.1 | less-open | 44 | 132 | 119 | 29 | 1 | SE | 116-165 | 49 | TNP | TNP | 1.3 | 1.6 | -- | -- | -- | -- | -- |
| MW-65 | 30 | 55.55 | 14.2 | less-open | 52 | 127 | 114 | 24 | 3 | E | 70-115 | 45 | TNP | TNP | 1.9 | -- | -- | 12.7 | -- | -- | -- |
| MW-65 | 31 | 56.32 | 13.4 | less-open | 78 | 310 | 297 | 207 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.8 | -- | 56.3 | -- | -- | -- | -- |
| MW-65 | 32 | 56.64 | 13.1 | less-open | 52 | 137 | 124 | 34 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.3 | 3.0 | -- | -- | -- | -- | -- |
| MW-65 | 33 | 58.01 | 11.7 | less-open | 55 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | TNP | TNP | 1.4 | -- | -- | 2.5 | -- | -- | -- |
| MW-65 | 34 | 59.26 | 10.5 | less-open | 47 | 75 | 62 | 332 | NSR | NSR | NSR | NSR | TNP | TNP | 1.3 | -- | -- | -- | -- | -- | -- |
| MW-65 | 35 | 60.32 | 9.4 | less-open | 28 | 233 | 220 | 130 | NSR | NSR | NSR | NSR | TNP | TNP | 1.1 | -- | -- | -- | -- | -- | -- |
| MW-65 | 36 | 61.57 | 8.2 | less-open | 19 | 248 | 235 | 145 | NSR | NSR | NSR | NSR | TNP | TNP | 1.3 | -- | -- | -- | -- | -- | -- |
| MW-65 | 37 | 64.21 | 5.5 | less-open | 54 | 286 | 273 | 183 | 4 | W | 245-290 | 45 | TNP | TNP | 2.6 | -- | -- | -- | 20.7 | -- | -- |
| MW-65 | 38 | 65.18 | 4.5 | less-open | 20 | 190 | 177 | 87 | NSR | NSR | NSR | NSR | TNP | TNP | 1.0 | -- | -- | -- | -- | -- | -- |
| MW-65 | 39 | 66.22 | 3.5 | less-open | 24 | 293 | 280 | 190 | NSR | NSR | NSR | NSR | TNP | TNP | 1.0 | -- | -- | -- | -- | -- | -- |
| MW-65 | 40 | 66.66 | 3.1 | less-open | 36 | 80 | 67 | 337 | NSR | NSR | NSR | NSR | TNP | TNP | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-65 | 41 | 68.54 | 1.2 | less-open | 78 | 182 | 169 | 79 | 5 | S | 166-200 | 34 | TNP | TNP | 1.9 | -- | -- | -- | -- | 68.5 | -- |
| MW-65 | 42 | 69.51 | 0.2 | less-open | 36 | 90 | 77 | 347 | 3 | E | 70-115 | 45 | TNP | TNP | 1.0 | -- | -- | 11.5 | -- | -- | -- |
| MW-65 | 43 | 70.58 | -0.9 | less-open | 29 | 68 | 55 | 325 | NSR | NSR | NSR | NSR | TNP | TNP | 1.1 | -- | -- | -- | -- | -- | -- |
| MW-65 | 44 | 70.89 | -1.2 | less-open | 30 | 82 | 69 | 339 | NSR | NSR | NSR | NSR | TNP | TNP | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-65 | 45 | 71.09 | -1.4 | less-open | 41 | 46 | 33 | 303 | NSR | NSR | NSR | NSR | TNP | TNP | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-65 | 46 | 71.56 | -1.8 | less-open | 38 | 294 | 281 | 191 | 4 | W | 245-290 | 45 | TNP | TNP | 0.5 | -- | -- | -- | 7.4 | -- | -- |
| MW-65 | 47 | 71.92 | -2.2 | less-open | 63 | 344 | 331 | 241 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.4 | -- | 15.6 | -- | -- | -- | -- |
| MW-65 | 48 | 78.01 | -8.3 | less-open | 77 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | TNP | TNP | 6.1 | -- | -- | 8.5 | -- | -- | -- |
| MW-65 | 49 | 79.38 | -9.7 | less-open | 32 | 276 | 263 | 173 | NSR | NSR | NSR | NSR | TNP | TNP | 1.4 | -- | -- | -- | -- | -- | -- |
| MW-66 | 1 | 38.15 | -24.1 | open | 23 | 355 | 342 | 252 | NSR | NSR | NSR | NSR | 5.6E-04 | 1.6E+00 | NA | -- | -- | -- | -- | -- | -- |
| MW-66 | 2 | 38.35 | -24.3 | open | 28 | 336 | 323 | 233 | NSR | NSR | NSR | NSR | 5.6E-04 | 1.6E+00 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-66 | 3 | 39.06 | -25.0 | less-open | 13 | 308 | 295 | 205 | NSR | NSR | NSR | NSR | 5.6E-04 | 1.6E+00 | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-66 | 4 | 39.83 | -25.8 | open | 30 | 332 | 319 | 229 | NSR | NSR | NSR | NSR | 5.6E-04 | 1.6E+00 | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-66 | 5 | 40.18 | -26.2 | less-open | 20 | 281 | 268 | 178 | NSR | NSR | NSR | NSR | 5.6E-04 | 1.6E+00 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-66 | 6 | 40.40 | -26.4 | less-open | 63 | 181 | 168 | 78 | 5 | S | 166-200 | 34 | 5.6E-04 | 1.6E+00 | 0.2 | -- | -- | -- | -- | 40.4 | -- |
| MW-66 | 7 | 40.52 | -26.5 | less-open | 16 | 328 | 315 | 225 | NSR | NSR | NSR | NSR | 5.6E-04 | 1.6E+00 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-66 | 8 | 41.46 | -27.4 | less-open | 42 | 309 | 296 | 206 | 2 | NW | 291-335 | 44 | 5.6E-04 | 1.6E+00 | 0.9 | -- | 41.5 | -- | -- | -- | -- |
| MW-66 | 9 | 41.79 | -27.8 | less-open | 77 | 198 | 185 | 95 | 5 | S | 166-200 | 34 | 5.6E-04 | 1.6E+00 | 0.3 | -- | -- | -- | -- | 1.4 | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | | ft/day | | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-66 | 10 | 41.81 | -27.8 | less-open | 76 | 167 | 154 | 64 | 1 | SE | 116-165 | 49 | 5.6E-04 | | 1.6E+00 | | 0.0 | 41.8 | -- | -- | -- | -- | -- |
| MW-66 | 11 | 41.98 | -28.0 | less-open | 33 | 315 | 302 | 212 | NSR | NSR | NSR | NSR | 5.6E-04 | | 1.6E+00 | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-66 | 12 | 42.17 | -28.1 | less-open | 30 | 281 | 268 | 178 | NSR | NSR | NSR | NSR | 5.6E-04 | | 1.6E+00 | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-66 | 13 | 43.15 | -29.1 | open | 23 | 5 | 352 | 262 | NSR | NSR | NSR | NSR | 5.6E-04 | 3.2E-05 | 1.6E+00 | 9.0E-02 | 1.0 | -- | -- | -- | -- | -- | -- |
| MW-66 | 14 | 43.27 | -29.2 | less-open | 76 | 185 | 172 | 82 | 5 | S | 166-200 | 34 | 5.6E-04 | 3.2E-05 | 1.6E+00 | 9.0E-02 | 0.1 | -- | -- | -- | -- | 1.5 | -- |
| MW-66 | 15 | 43.75 | -29.7 | open | 62 | 190 | 177 | 87 | 5 | S | 166-200 | 34 | 5.6E-04 | 3.2E-05 | 1.6E+00 | 9.0E-02 | 0.5 | -- | -- | -- | -- | 0.5 | -- |
| MW-66 | 16 | 44.00 | -30.0 | open | 66 | 191 | 178 | 88 | 5 | S | 166-200 | 34 | 5.6E-04 | 3.2E-05 | 1.6E+00 | 9.0E-02 | 0.3 | -- | -- | -- | -- | 0.3 | -- |
| MW-66 | 17 | 44.19 | -30.2 | less-open | 66 | 186 | 173 | 83 | 5 | S | 166-200 | 34 | 5.6E-04 | 3.2E-05 | 1.6E+00 | 9.0E-02 | 0.2 | -- | -- | -- | -- | 0.2 | -- |
| MW-66 | 18 | 44.82 | -30.8 | less-open | 70 | 213 | 200 | 110 | 5 | S | 166-200 | 34 | 5.6E-04 | 3.2E-05 | 1.6E+00 | 9.0E-02 | 0.6 | -- | -- | -- | -- | 0.6 | -- |
| MW-66 | 19 | 44.86 | -30.8 | less-open | 37 | 202 | 189 | 99 | 5 | S | 166-200 | 34 | 5.6E-04 | 3.2E-05 | 1.6E+00 | 9.0E-02 | 0.0 | -- | -- | -- | -- | 0.0 | -- |
| MW-66 | 20 | 45.88 | -31.9 | less-open | 31 | 149 | 136 | 46 | NSR | NSR | NSR | NSR | 5.6E-04 | 3.2E-05 | 1.6E+00 | 9.0E-02 | 1.0 | -- | -- | -- | -- | -- | -- |
| MW-66 | 21 | 46.24 | -32.2 | less-open | 56 | 322 | 309 | 219 | 2 | NW | 291-335 | 44 | 5.6E-04 | 3.2E-05 | 1.6E+00 | 9.0E-02 | 0.4 | -- | 4.8 | -- | -- | -- | -- |
| MW-66 | 22 | 46.27 | -32.2 | less-open | 33 | 233 | 220 | 130 | NSR | NSR | NSR | NSR | 5.6E-04 | 3.2E-05 | 1.6E+00 | 9.0E-02 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-66 | 23 | 46.59 | -32.6 | less-open | 42 | 291 | 278 | 188 | 4 | W | 245-290 | 45 | 5.6E-04 | 3.2E-05 | 1.6E+00 | 9.0E-02 | 0.3 | -- | -- | -- | 46.6 | -- | -- |
| MW-66 | 24 | 46.97 | -32.9 | less-open | 37 | 132 | 119 | 29 | 1 | SE | 116-165 | 49 | 5.6E-04 | 3.2E-05 | 1.6E+00 | 9.0E-02 | 0.4 | 5.2 | -- | -- | -- | -- | -- |
| MW-66 | 25 | 47.38 | -33.4 | less-open | 33 | 159 | 146 | 56 | NSR | NSR | NSR | NSR | 5.6E-04 | 3.2E-05 | 1.6E+00 | 9.0E-02 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-66 | 26 | 47.44 | -33.4 | less-open | 30 | 153 | 140 | 50 | NSR | NSR | NSR | NSR | 5.6E-04 | 3.2E-05 | 1.6E+00 | 9.0E-02 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-66 | 27 | 47.68 | -33.7 | less-open | 38 | 339 | 326 | 236 | 2 | NW | 291-335 | 44 | 5.6E-04 | 3.2E-05 | 1.6E+00 | 9.0E-02 | 0.2 | -- | 1.4 | -- | -- | -- | -- |
| MW-66 | 28 | 47.96 | -33.9 | open | 55 | 325 | 312 | 222 | 2 | NW | 291-335 | 44 | 5.6E-04 | 3.2E-05 | 1.6E+00 | 9.0E-02 | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-66 | 29 | 48.39 | -34.4 | less-open | 82 | 178 | 165 | 75 | NSR | NSR | NSR | NSR | 5.6E-04 | 3.2E-05 | 1.6E+00 | 9.0E-02 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-66 | 30 | 48.54 | -34.5 | less-open | 78 | 21 | 8 | 278 | 6 | N | 336-21 | 45 | 5.6E-04 | 3.2E-05 | 1.6E+00 | 9.0E-02 | 0.1 | -- | -- | -- | -- | -- | 48.5 |
| MW-66 | 31 | 49.07 | -35.0 | less-open | 32 | 185 | 172 | 82 | NSR | NSR | NSR | NSR | 5.6E-04 | 3.2E-05 | 1.6E+00 | 9.0E-02 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-66 | 32 | 49.67 | -35.6 | less-open | 19 | 146 | 133 | 43 | NSR | NSR | NSR | NSR | 5.6E-04 | 3.2E-05 | 1.6E+00 | 9.0E-02 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-66 | 33 | 49.78 | -35.8 | open | 43 | 191 | 178 | 88 | 5 | S | 166-200 | 34 | 5.6E-04 | 3.2E-05 | 1.6E+00 | 9.0E-02 | 0.1 | -- | -- | -- | -- | 4.9 | -- |
| MW-66 | 34 | 50.32 | -36.3 | less-open | 34 | 346 | 333 | 243 | NSR | NSR | NSR | NSR | 5.6E-04 | 3.2E-05 | 1.6E+00 | 9.0E-02 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-66 | 35 | 50.61 | -36.6 | open | 25 | 341 | 328 | 238 | NSR | NSR | NSR | NSR | 5.6E-04 | 3.2E-05 | 1.6E+00 | 9.0E-02 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-66 | 36 | 51.15 | -37.1 | less-open | 77 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | 5.6E-04 | 3.2E-05 | 1.6E+00 | 9.0E-02 | 0.5 | 4.2 | -- | -- | -- | -- | -- |
| MW-66 | 37 | 51.34 | -37.3 | less-open | 49 | 132 | 119 | 29 | 1 | SE | 116-165 | 49 | 5.6E-04 | 3.2E-05 | 1.6E+00 | 9.0E-02 | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-66 | 38 | 52.95 | -38.9 | less-open | 57 | 122 | 109 | 19 | 3 | E | 70-115 | 45 | 3.2E-05 | 3.2E-05 | 9.0E-02 | 9.0E-02 | 1.6 | -- | -- | 53.0 | -- | -- | -- |
| MW-66 | 39 | 53.58 | -39.6 | less-open | 48 | 111 | 98 | 8 | 3 | E | 70-115 | 45 | TNP | | TNP | | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-66 | 40 | 53.68 | -39.7 | open | 70 | 225 | 212 | 122 | NSR | NSR | NSR | NSR | TNP | | TNP | | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-66 | 41 | 54.66 | -40.6 | less-open | 29 | 346 | 333 | 243 | NSR | NSR | NSR | NSR | TNP | | TNP | | 1.0 | -- | -- | -- | -- | -- | -- |
| MW-66 | 42 | 54.99 | -41.0 | less-open | 34 | 288 | 275 | 185 | 4 | W | 245-290 | 45 | TNP | | TNP | | 0.3 | -- | -- | -- | 8.4 | -- | -- |
| MW-66 | 43 | 56.72 | -42.7 | less-open | 52 | 324 | 311 | 221 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 1.7 | -- | 8.8 | -- | -- | -- | -- |
| MW-66 | 44 | 57.44 | -43.4 | less-open | 77 | 96 | 83 | 353 | 3 | E | 70-115 | 45 | TNP | | TNP | | 0.7 | -- | -- | 3.9 | -- | -- | -- |
| MW-66 | 45 | 58.45 | -44.4 | less-open | 82 | 87 | 74 | 344 | NSR | NSR | NSR | NSR | TNP | | TNP | | 1.0 | -- | -- | -- | -- | -- | -- |
| MW-66 | 46 | 59.46 | -45.4 | less-open | 83 | 91 | 78 | 348 | NSR | NSR | NSR | NSR | TNP | | TNP | | 1.0 | -- | -- | -- | -- | -- | -- |
| MW-66 | 47 | 59.75 | -45.7 | less-open | 74 | 245 | 232 | 142 | NSR | NSR | NSR | NSR | TNP | | TNP | | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-66 | 48 | 61.20 | -47.2 | less-open | 29 | 317 | 304 | 214 | NSR | NSR | NSR | NSR | TNP | | TNP | | 1.5 | -- | -- | -- | -- | -- | -- |
| MW-66 | 49 | 61.56 | -47.5 | less-open | 25 | 289 | 276 | 186 | NSR | NSR | NSR | NSR | TNP | | TNP | | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-66 | 50 | 63.81 | -49.8 | less-open | 54 | 209 | 196 | 106 | 5 | S | 166-200 | 34 | 1.4E-05 | | 4.0E-02 | | 2.3 | -- | -- | -- | -- | 14.0 | -- |
| MW-66 | 51 | 64.52 | -50.5 | less-open | 45 | 118 | 105 | 15 | 3 | E | 70-115 | 45 | 1.4E-05 | | 4.0E-02 | | 0.7 | -- | -- | 7.1 | -- | -- | -- |
| MW-66 | 52 | 65.84 | -51.8 | less-open | 50 | 128 | 115 | 25 | 3 | E | 70-115 | 45 | 1.4E-05 | | 4.0E-02 | | 1.3 | -- | -- | 1.3 | -- | -- | -- |
| MW-66 | 53 | 66.17 | -52.1 | less-open | 28 | 99 | 86 | 356 | NSR | NSR | NSR | NSR | 1.4E-05 | | 4.0E-02 | | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-66 | 54 | 66.20 | -52.2 | less-open | 70 | 259 | 246 | 156 | 4 | W | 245-290 | 45 | 1.4E-05 | | 4.0E-02 | | 0.0 | -- | -- | -- | 11.2 | -- | -- |
| MW-66 | 55 | 66.39 | -52.4 | less-open | 38 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | 1.4E-05 | | 4.0E-02 | | 0.2 | 15.1 | -- | -- | -- | -- | -- |
| MW-66 | 56 | 69.24 | -55.2 | less-open | 57 | 191 | 178 | 88 | 5 | S | 166-200 | 34 | 1.4E-05 | | 4.0E-02 | | 2.8 | -- | -- | -- | -- | 5.4 | -- |
| MW-66 | 57 | 70.05 | -56.0 | less-open | 45 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | 1.4E-05 | | 4.0E-02 | | 0.8 | -- | -- | 4.2 | -- | -- | -- |
| MW-66 | 58 | 71.3 | -57.3 | less-open | 82 | 271 | 258 | 168 | NSR | NSR | NSR | NSR | 1.4E-05 | | 4.0E-02 | | 1.3 | -- | -- | -- | -- | -- | -- |
| MW-66 | 59 | 72.28 | -58.3 | less-open | 28 | 85 | 72 | 342 | NSR | NSR | NSR | NSR | 1.4E-05 | | 4.0E-02 | | 1.0 | -- | -- | -- | -- | -- | -- |
| MW-66 | 60 | 73.02 | -59.0 | less-open | 77 | 270 | 257 | 167 | 4 | W | 245-290 | 45 | 1.4E-05 | | 4.0E-02 | | 0.7 | -- | -- | -- | 6.8 | -- | -- |
| MW-66 | 61 | 74.39 | -60.4 | less-open | 30 | 347 | 334 | 244 | NSR | NSR | NSR | NSR | TNP | | TNP | | 1.4 | -- | -- | -- | -- | -- | -- |
| MW-66 | 62 | 74.85 | -60.8 | less-open | 74 | 178 | 165 | 75 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.5 | 8.5 | -- | -- | -- | -- | -- |
| MW-66 | 63 | 75.92 | -61.9 | less-open | 82 | 190 | 177 | 87 | NSR | NSR | NSR | NSR | TNP | | TNP | | 1.1 | -- | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-66 | 64 | 81.78 | -67.8 | less-open | 40 | 124 | 111 | 21 | 3 | E | 70-115 | 45 | TNP | TNP | 5.9 | -- | -- | 11.7 | -- | -- | -- |
| MW-66 | 65 | 82.61 | -68.6 | less-open | 80 | 356 | 343 | 253 | 6 | N | 336-21 | 45 | TNP | TNP | 0.8 | -- | -- | -- | -- | -- | 34.1 |
| MW-66 | 66 | 84.24 | -70.2 | less-open | 41 | 194 | 181 | 91 | 5 | S | 166-200 | 34 | 6.4E-05 | 1.8E-01 | 1.6 | -- | -- | -- | -- | 15.0 | -- |
| MW-66 | 67 | 85.01 | -71.0 | less-open | 79 | 177 | 164 | 74 | 1 | SE | 116-165 | 49 | 6.4E-05 | 1.8E-01 | 0.8 | 10.2 | -- | -- | -- | -- | -- |
| MW-66 | 68 | 85.30 | -71.3 | less-open | 81 | 178 | 165 | 75 | 1 | SE | 116-165 | 49 | 6.4E-05 | 1.8E-01 | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-66 | 69 | 86.06 | -72.0 | less-open | 55 | 186 | 173 | 83 | 5 | S | 166-200 | 34 | 6.4E-05 | 1.8E-01 | 0.8 | -- | -- | -- | -- | 1.8 | -- |
| MW-66 | 70 | 86.61 | -72.6 | less-open | 58 | 193 | 180 | 90 | 5 | S | 166-200 | 34 | 6.4E-05 | 1.8E-01 | 0.5 | -- | -- | -- | -- | 0.5 | -- |
| MW-66 | 71 | 87.23 | -73.2 | less-open | 67 | 174 | 161 | 71 | 1 | SE | 116-165 | 49 | 6.4E-05 | 1.8E-01 | 0.6 | 1.9 | -- | -- | -- | -- | -- |
| MW-66 | 72 | 87.92 | -73.9 | less-open | 66 | 189 | 176 | 86 | 5 | S | 166-200 | 34 | 6.4E-05 | 1.8E-01 | 0.7 | -- | -- | -- | -- | 1.3 | -- |
| MW-66 | 73 | 88.08 | -74.1 | less-open | 73 | 177 | 164 | 74 | 1 | SE | 116-165 | 49 | 6.4E-05 | 1.8E-01 | 0.2 | 0.8 | -- | -- | -- | -- | -- |
| MW-66 | 74 | 88.59 | -74.6 | less-open | 80 | 190 | 177 | 87 | 5 | S | 166-200 | 34 | 6.4E-05 | 1.8E-01 | 0.5 | -- | -- | -- | -- | 0.7 | -- |
| MW-66 | 75 | 89.39 | -75.4 | less-open | 78 | 157 | 144 | 54 | 1 | SE | 116-165 | 49 | 6.4E-05 | 1.8E-01 | 0.8 | 1.3 | -- | -- | -- | -- | -- |
| MW-66 | 76 | 89.59 | -75.6 | less-open | 82 | 165 | 152 | 62 | NSR | NSR | NSR | NSR | 6.4E-05 | 1.8E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-66 | 77 | 90.41 | -76.4 | less-open | 77 | 170 | 157 | 67 | 1 | SE | 116-165 | 49 | 6.4E-05 | 1.8E-01 | 0.8 | 1.0 | -- | -- | -- | -- | -- |
| MW-66 | 78 | 90.69 | -76.7 | less-open | 71 | 152 | 139 | 49 | 1 | SE | 116-165 | 49 | 6.4E-05 | 1.8E-01 | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-66 | 79 | 90.97 | -76.9 | less-open | 77 | 168 | 155 | 65 | 1 | SE | 116-165 | 49 | 6.4E-05 | 1.8E-01 | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-66 | 80 | 92.04 | -78.0 | less-open | 85 | 163 | 150 | 60 | NSR | NSR | NSR | NSR | 6.4E-05 | 1.8E-01 | 1.1 | -- | -- | -- | -- | -- | -- |
| MW-66 | 81 | 93.29 | -79.3 | less-open | 82 | 170 | 157 | 67 | NSR | NSR | NSR | NSR | 6.4E-05 | 1.8E-01 | 1.3 | -- | -- | -- | -- | -- | -- |
| MW-66 | 82 | 94.19 | -80.2 | less-open | 84 | 170 | 157 | 67 | NSR | NSR | NSR | NSR | TNP | TNP | 0.9 | -- | -- | -- | -- | -- | -- |
| MW-66 | 83 | 94.86 | -80.8 | less-open | 27 | 163 | 150 | 60 | NSR | NSR | NSR | NSR | TNP | TNP | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-66 | 84 | 95.13 | -81.1 | less-open | 42 | 161 | 148 | 58 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.3 | 4.2 | -- | -- | -- | -- | -- |
| MW-66 | 85 | 96.44 | -82.4 | less-open | 79 | 180 | 167 | 77 | 5 | S | 166-200 | 34 | TNP | TNP | 1.3 | -- | -- | -- | -- | 7.8 | -- |
| MW-66 | 86 | 96.45 | -82.4 | less-open | 16 | 52 | 39 | 309 | NSR | NSR | NSR | NSR | 1.8E-05 | 5.0E-02 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-66 | 87 | 100.43 | -86.4 | less-open | 60 | 292 | 279 | 189 | 4 | W | 245-290 | 45 | 1.8E-05 | 5.0E-02 | 4.0 | -- | -- | -- | 27.4 | -- | -- |
| MW-66 | 88 | 100.92 | -86.9 | less-open | 79 | 180 | 167 | 77 | 5 | S | 166-200 | 34 | 1.8E-05 | 5.0E-02 | 0.5 | -- | -- | -- | -- | 4.5 | -- |
| MW-66 | 89 | 101.1 | -87.1 | less-open | 56 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | 1.8E-05 | 5.0E-02 | 0.2 | -- | -- | 19.3 | -- | -- | -- |
| MW-66 | 90 | 101.87 | -87.8 | less-open | 63 | 322 | 309 | 219 | 2 | NW | 291-335 | 44 | 1.8E-05 | 5.0E-02 | 0.8 | -- | 45.2 | -- | -- | -- | -- |
| MW-66 | 91 | 101.92 | -87.9 | less-open | 76 | 175 | 162 | 72 | 1 | SE | 116-165 | 49 | 1.8E-05 | 5.0E-02 | 0.0 | 6.8 | -- | -- | -- | -- | -- |
| MW-66 | 92 | 103.15 | -89.1 | less-open | 43 | 131 | 118 | 28 | 1 | SE | 116-165 | 49 | 1.8E-05 | 5.0E-02 | 1.2 | 1.2 | -- | -- | -- | -- | -- |
| MW-66 | 93 | 103.49 | -89.5 | less-open | 51 | 128 | 115 | 25 | 3 | E | 70-115 | 45 | 1.8E-05 | 5.0E-02 | 0.3 | -- | -- | 2.4 | -- | -- | -- |
| MW-66 | 94 | 104.35 | -90.3 | less-open | 36 | 338 | 325 | 235 | 2 | NW | 291-335 | 44 | 1.8E-05 | 5.0E-02 | 0.9 | -- | 2.5 | -- | -- | -- | -- |
| MW-66 | 95 | 108.02 | -94.0 | less-open | 79 | 179 | 166 | 76 | 5 | S | 166-200 | 34 | TNP | TNP | 3.7 | -- | -- | -- | -- | 7.1 | -- |
| MW-66 | 96 | 108.03 | -94.0 | less-open | 39 | 5 | 352 | 262 | 6 | N | 336-21 | 45 | TNP | TNP | 0.0 | -- | -- | -- | -- | -- | 25.4 |
| MW-66 | 97 | 109.47 | -95.4 | less-open | 42 | 189 | 176 | 86 | 5 | S | 166-200 | 34 | 5.2E-04 | 1.5E+00 | 1.4 | -- | -- | -- | -- | 1.5 | -- |
| MW-66 | 98 | 110.60 | -96.6 | less-open | 70 | 30 | 17 | 287 | 6 | N | 336-21 | 45 | 5.2E-04 | 1.5E+00 | 1.1 | -- | -- | -- | -- | -- | 2.6 |
| MW-66 | 99 | 111.91 | -97.9 | less-open | 54 | 215 | 202 | 112 | NSR | NSR | NSR | NSR | 5.2E-04 | 1.5E+00 | 1.3 | -- | -- | -- | -- | -- | -- |
| MW-66 | 100 | 112.63 | -98.6 | less-open | 66 | 349 | 336 | 246 | 6 | N | 336-21 | 45 | 5.2E-04 | 1.5E+00 | 0.7 | -- | -- | -- | -- | -- | 2.0 |
| MW-66 | 101 | 112.76 | -98.7 | less-open | 62 | 352 | 339 | 249 | 6 | N | 336-21 | 45 | 5.2E-04 | 1.5E+00 | 0.1 | -- | -- | -- | -- | -- | 0.1 |
| MW-66 | 102 | 112.80 | -98.8 | less-open | 47 | 73 | 60 | 330 | NSR | NSR | NSR | NSR | 5.2E-04 | 1.5E+00 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-66 | 103 | 113.18 | -99.2 | less-open | 78 | 171 | 158 | 68 | 1 | SE | 116-165 | 49 | 5.2E-04 | 1.5E+00 | 0.4 | 10.0 | -- | -- | -- | -- | -- |
| MW-66 | 104 | 113.89 | -99.9 | less-open | 72 | 191 | 178 | 88 | 5 | S | 166-200 | 34 | 5.2E-04 | 1.5E+00 | 0.7 | -- | -- | -- | -- | 4.4 | -- |
| MW-66 | 105 | 114.01 | -100.0 | less-open | 75 | 188 | 175 | 85 | 5 | S | 166-200 | 34 | 5.2E-04 | 1.5E+00 | 0.1 | -- | -- | -- | -- | 0.1 | -- |
| MW-66 | 106 | 114.77 | -100.7 | less-open | 86 | 172 | 159 | 69 | NSR | NSR | NSR | NSR | 5.2E-04 | 1.5E+00 | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-66 | 107 | 115.82 | -101.8 | less-open | 75 | 183 | 170 | 80 | 5 | S | 166-200 | 34 | 5.2E-04 | 1.5E+00 | 1.1 | -- | -- | -- | -- | 1.8 | -- |
| MW-66 | 108 | 116.06 | -102.0 | less-open | 76 | 184 | 171 | 81 | 5 | S | 166-200 | 34 | 5.2E-04 | 1.5E+00 | 0.2 | -- | -- | -- | -- | 0.2 | -- |
| MW-66 | 109 | 116.66 | -102.6 | less-open | 79 | 180 | 167 | 77 | 5 | S | 166-200 | 34 | 5.2E-04 | 1.5E+00 | 0.6 | -- | -- | -- | -- | 0.6 | -- |
| MW-66 | 110 | 117.61 | -103.6 | open | 31 | 305 | 292 | 202 | NSR | NSR | NSR | NSR | 5.2E-04 | 1.5E+00 | 1.0 | -- | -- | -- | -- | -- | -- |
| MW-66 | 111 | 117.88 | -103.9 | less-open | 38 | 336 | 323 | 233 | 2 | NW | 291-335 | 44 | 5.2E-04 | 1.5E+00 | 0.3 | -- | 13.5 | -- | -- | -- | -- |
| MW-66 | 112 | 118.17 | -104.1 | less-open | 50 | 217 | 204 | 114 | NSR | NSR | NSR | NSR | 5.2E-04 | 1.5E+00 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-66 | 113 | 119.53 | -105.5 | less-open | 62 | 233 | 220 | 130 | NSR | NSR | NSR | NSR | TNP | TNP | 1.4 | -- | -- | -- | -- | -- | -- |
| MW-66 | 114 | 120.57 | -106.5 | less-open | 57 | 354 | 341 | 251 | 6 | N | 336-21 | 45 | TNP | TNP | 1.0 | -- | -- | -- | -- | -- | 7.8 |
| MW-66 | 115 | 121.42 | -107.4 | less-open | 59 | 334 | 321 | 231 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.9 | -- | 3.5 | -- | -- | -- | -- |
| MW-66 | 116 | 122.12 | -108.1 | less-open | 40 | 190 | 177 | 87 | 5 | S | 166-200 | 34 | TNP | TNP | 0.7 | -- | -- | -- | -- | 5.5 | -- |
| MW-66 | 117 | 122.97 | -108.9 | less-open | 52 | 209 | 196 | 106 | 5 | S | 166-200 | 34 | TNP | TNP | 0.8 | -- | -- | -- | -- | 0.8 | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-66 | 118 | 123.23 | -109.2 | less-open | 58 | 355 | 342 | 252 | 6 | N | 336-21 | 45 | TNP | TNP | 0.3 | -- | -- | -- | -- | -- | 2.7 |
| MW-66 | 119 | 126.72 | -112.7 | less-open | 36 | 356 | 343 | 253 | 6 | N | 336-21 | 45 | TNP | TNP | 3.5 | -- | -- | -- | -- | -- | 3.5 |
| MW-66 | 120 | 127.43 | -113.4 | less-open | 51 | 351 | 338 | 248 | 6 | N | 336-21 | 45 | TNP | TNP | 0.7 | -- | -- | -- | -- | -- | 0.7 |
| MW-66 | 121 | 127.94 | -113.9 | less-open | 40 | 344 | 331 | 241 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.5 | -- | 6.5 | -- | -- | -- | -- |
| MW-66 | 122 | 128.25 | -114.2 | less-open | 40 | 339 | 326 | 236 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-66 | 123 | 129.69 | -115.7 | less-open | 56 | 341 | 328 | 238 | 2 | NW | 291-335 | 44 | TNP | TNP | 1.4 | -- | 1.4 | -- | -- | -- | -- |
| MW-66 | 124 | 130.05 | -116.0 | less-open | 61 | 334 | 321 | 231 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.4 | -- | 0.4 | -- | -- | -- | -- |
| MW-66 | 125 | 130.16 | -116.1 | less-open | 53 | 205 | 192 | 102 | 5 | S | 166-200 | 34 | TNP | TNP | 0.1 | -- | -- | -- | -- | 7.2 | -- |
| MW-66 | 126 | 130.62 | -116.6 | less-open | 46 | 280 | 267 | 177 | 4 | W | 245-290 | 45 | TNP | TNP | 0.5 | -- | -- | -- | 30.2 | -- | -- |
| MW-66 | 127 | 130.97 | -116.9 | less-open | 39 | 213 | 200 | 110 | 5 | S | 166-200 | 34 | 3.2E-04 | 9.0E-01 | 0.3 | -- | -- | -- | -- | 0.8 | -- |
| MW-66 | 128 | 131.21 | -117.2 | less-open | 43 | 282 | 269 | 179 | 4 | W | 245-290 | 45 | 3.2E-04 | 9.0E-01 | 0.2 | -- | -- | -- | 0.6 | -- | -- |
| MW-66 | 129 | 131.38 | -117.4 | less-open | 46 | 204 | 191 | 101 | 5 | S | 166-200 | 34 | 3.2E-04 | 9.0E-01 | 0.2 | -- | -- | -- | -- | 0.4 | -- |
| MW-66 | 130 | 131.84 | -117.8 | less-open | 52 | 204 | 191 | 101 | 5 | S | 166-200 | 34 | 3.2E-04 | 9.0E-01 | 0.5 | -- | -- | -- | -- | 0.5 | -- |
| MW-66 | 131 | 131.88 | -117.9 | less-open | 76 | 352 | 339 | 249 | 6 | N | 336-21 | 45 | 3.2E-04 | 9.0E-01 | 0.0 | -- | -- | -- | -- | -- | 4.4 |
| MW-66 | 132 | 132.13 | -118.1 | less-open | 53 | 210 | 197 | 107 | 5 | S | 166-200 | 34 | 3.2E-04 | 9.0E-01 | 0.3 | -- | -- | -- | -- | 0.3 | -- |
| MW-66 | 133 | 132.66 | -118.6 | less-open | 45 | 342 | 329 | 239 | 2 | NW | 291-335 | 44 | 3.2E-04 | 9.0E-01 | 0.5 | -- | 2.6 | -- | -- | -- | -- |
| MW-66 | 134 | 132.69 | -118.7 | less-open | 77 | 16 | 3 | 273 | 6 | N | 336-21 | 45 | 3.2E-04 | 9.0E-01 | 0.0 | -- | -- | -- | -- | -- | 0.8 |
| MW-66 | 135 | 132.77 | -118.7 | less-open | 43 | 326 | 313 | 223 | 2 | NW | 291-335 | 44 | 3.2E-04 | 9.0E-01 | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-66 | 136 | 132.88 | -118.9 | less-open | 42 | 330 | 317 | 227 | 2 | NW | 291-335 | 44 | 3.2E-04 | 9.0E-01 | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-66 | 137 | 133.42 | -119.4 | less-open | 29 | 339 | 326 | 236 | NSR | NSR | NSR | NSR | 3.2E-04 | 9.0E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-66 | 138 | 133.81 | -119.8 | less-open | 59 | 312 | 299 | 209 | 2 | NW | 291-335 | 44 | 3.2E-04 | 9.0E-01 | 0.4 | -- | 0.9 | -- | -- | -- | -- |
| MW-66 | 139 | 133.85 | -119.8 | less-open | 60 | 10 | 357 | 267 | 6 | N | 336-21 | 45 | 3.2E-04 | 9.0E-01 | 0.0 | -- | -- | -- | -- | -- | 1.2 |
| MW-66 | 140 | 134.61 | -120.6 | less-open | 75 | 95 | 82 | 352 | 3 | E | 70-115 | 45 | 3.2E-04 | 9.0E-01 | 0.8 | -- | -- | 31.1 | -- | -- | -- |
| MW-66 | 141 | 134.76 | -120.7 | less-open | 37 | 206 | 193 | 103 | 5 | S | 166-200 | 34 | 3.2E-04 | 9.0E-01 | 0.1 | -- | -- | -- | -- | 2.6 | -- |
| MW-66 | 142 | 135.04 | -121.0 | less-open | 37 | 302 | 289 | 199 | 4 | W | 245-290 | 45 | 3.2E-04 | 9.0E-01 | 0.3 | -- | -- | -- | 3.8 | -- | -- |
| MW-66 | 143 | 135.47 | -121.4 | less-open | 52 | 334 | 321 | 231 | 2 | NW | 291-335 | 44 | 3.2E-04 | 9.0E-01 | 0.4 | -- | 1.7 | -- | -- | -- | -- |
| MW-66 | 144 | 135.71 | -121.7 | less-open | 41 | 327 | 314 | 224 | 2 | NW | 291-335 | 44 | 3.2E-04 | 9.0E-01 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-66 | 145 | 135.87 | -121.8 | less-open | 45 | 287 | 274 | 184 | 4 | W | 245-290 | 45 | 3.2E-04 | 9.0E-01 | 0.2 | -- | -- | -- | 0.8 | -- | -- |
| MW-66 | 146 | 135.88 | -121.9 | less-open | 54 | 158 | 145 | 55 | 1 | SE | 116-165 | 49 | 3.2E-04 | 9.0E-01 | 0.0 | 22.7 | -- | -- | -- | -- | -- |
| MW-66 | 147 | 136.39 | -122.4 | less-open | 52 | 328 | 315 | 225 | 2 | NW | 291-335 | 44 | 3.2E-04 | 9.0E-01 | 0.5 | -- | 0.7 | -- | -- | -- | -- |
| MW-66 | 148 | 136.64 | -122.6 | less-open | 35 | 313 | 300 | 210 | 2 | NW | 291-335 | 44 | 3.2E-04 | 9.0E-01 | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-66 | 149 | 136.82 | -122.8 | less-open | 44 | 301 | 288 | 198 | 4 | W | 245-290 | 45 | 3.2E-04 | 9.0E-01 | 0.2 | -- | -- | -- | 0.9 | -- | -- |
| MW-66 | 150 | 137.43 | -123.4 | less-open | 41 | 297 | 284 | 194 | 4 | W | 245-290 | 45 | 3.2E-04 | 9.0E-01 | 0.6 | -- | -- | -- | 0.6 | -- | -- |
| MW-66 | 151 | 137.5 | -123.5 | less-open | 36 | 292 | 279 | 189 | 4 | W | 245-290 | 45 | 3.2E-04 | 9.0E-01 | 0.1 | -- | -- | -- | 0.1 | -- | -- |
| MW-66 | 152 | 137.55 | -123.5 | less-open | 21 | 258 | 245 | 155 | NSR | NSR | NSR | NSR | 3.2E-04 | 9.0E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-66 | 153 | 137.68 | -123.7 | less-open | 64 | 171 | 158 | 68 | 1 | SE | 116-165 | 49 | 3.2E-04 | 9.0E-01 | 0.1 | 1.8 | -- | -- | -- | -- | -- |
| MW-66 | 154 | 137.79 | -123.8 | less-open | 37 | 297 | 284 | 194 | 4 | W | 245-290 | 45 | 3.2E-04 | 9.0E-01 | 0.1 | -- | -- | -- | 0.3 | -- | -- |
| MW-66 | 155 | 138.22 | -124.2 | less-open | 49 | 325 | 312 | 222 | 2 | NW | 291-335 | 44 | 3.2E-04 | 9.0E-01 | 0.4 | -- | 1.6 | -- | -- | -- | -- |
| MW-66 | 156 | 138.45 | -124.4 | less-open | 52 | 337 | 324 | 234 | 2 | NW | 291-335 | 44 | 3.2E-04 | 9.0E-01 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-66 | 157 | 138.71 | -124.7 | less-open | 31 | 185 | 172 | 82 | NSR | NSR | NSR | NSR | 3.2E-04 | 9.0E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-66 | 158 | 138.98 | -125.0 | less-open | 45 | 200 | 187 | 97 | 5 | S | 166-200 | 34 | 3.2E-04 | 9.0E-01 | 0.3 | -- | -- | -- | -- | 4.2 | -- |
| MW-66 | 159 | 139.16 | -125.1 | less-open | 42 | 213 | 200 | 110 | 5 | S | 166-200 | 34 | 3.2E-04 | 9.0E-01 | 0.2 | -- | -- | -- | -- | 0.2 | -- |
| MW-66 | 160 | 139.36 | -125.3 | less-open | 44 | 167 | 154 | 64 | 1 | SE | 116-165 | 49 | 3.2E-04 | 9.0E-01 | 0.2 | 1.7 | -- | -- | -- | -- | -- |
| MW-66 | 161 | 139.86 | -125.8 | less-open | 68 | 308 | 295 | 205 | 2 | NW | 291-335 | 44 | 3.2E-04 | 9.0E-01 | 0.5 | -- | 1.4 | -- | -- | -- | -- |
| MW-66 | 162 | 139.96 | -125.9 | less-open | 57 | 205 | 192 | 102 | 5 | S | 166-200 | 34 | 3.2E-04 | 9.0E-01 | 0.1 | -- | -- | -- | -- | 0.8 | -- |
| MW-66 | 163 | 140.9 | -126.9 | less-open | 73 | 312 | 299 | 209 | 2 | NW | 291-335 | 44 | 3.2E-04 | 9.0E-01 | 0.9 | -- | 1.0 | -- | -- | -- | -- |
| MW-66 | 164 | 141.11 | -127.1 | less-open | 23 | 337 | 324 | 234 | NSR | NSR | NSR | NSR | TNP | TNP | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-66 | 165 | 141.74 | -127.7 | less-open | 36 | 303 | 290 | 200 | 4 | W | 245-290 | 45 | TNP | TNP | 0.6 | -- | -- | -- | 4.0 | -- | -- |
| MW-66 | 166 | 141.86 | -127.8 | less-open | 55 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | TNP | TNP | 0.1 | -- | -- | 7.3 | -- | -- | -- |
| MW-66 | 167 | 141.88 | -127.9 | less-open | 40 | 284 | 271 | 181 | 4 | W | 245-290 | 45 | TNP | TNP | 0.0 | -- | -- | -- | 0.1 | -- | -- |
| MW-66 | 168 | 142.72 | -128.7 | less-open | 58 | 124 | 111 | 21 | 3 | E | 70-115 | 45 | 2.5E-05 | 7.0E-02 | 0.8 | -- | -- | 0.9 | -- | -- | -- |
| MW-66 | 169 | 143.02 | -129.0 | less-open | 62 | 321 | 308 | 218 | 2 | NW | 291-335 | 44 | 2.5E-05 | 7.0E-02 | 0.3 | -- | 2.1 | -- | -- | -- | -- |
| MW-66 | 170 | 143.5 | -129.5 | less-open | 59 | 241 | 228 | 138 | NSR | NSR | NSR | NSR | 2.5E-05 | 7.0E-02 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-66 | 171 | 143.56 | -129.5 | less-open | 75 | 304 | 291 | 201 | 2 | NW | 291-335 | 44 | 2.5E-05 | 7.0E-02 | 0.1 | -- | 0.5 | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-66 | 172 | 143.58 | -129.6 | less-open | 56 | 316 | 303 | 213 | 2 | NW | 291-335 | 44 | 2.5E-05 | 7.0E-02 | 0.0 | -- | 0.0 | -- | -- | -- | -- |
| MW-66 | 173 | 144.04 | -130.0 | less-open | 56 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | 2.5E-05 | 7.0E-02 | 0.5 | -- | -- | 1.3 | -- | -- | -- |
| MW-66 | 174 | 144.76 | -130.7 | less-open | 63 | 114 | 101 | 11 | 3 | E | 70-115 | 45 | 2.5E-05 | 7.0E-02 | 0.7 | -- | -- | 0.7 | -- | -- | -- |
| MW-66 | 175 | 144.85 | -130.8 | less-open | 44 | 298 | 285 | 195 | 4 | W | 245-290 | 45 | 2.5E-05 | 7.0E-02 | 0.1 | -- | -- | -- | 3.0 | -- | -- |
| MW-66 | 176 | 145.44 | -131.4 | less-open | 54 | 311 | 298 | 208 | 2 | NW | 291-335 | 44 | 2.5E-05 | 7.0E-02 | 0.6 | -- | 1.9 | -- | -- | -- | -- |
| MW-66 | 177 | 145.44 | -131.4 | less-open | 49 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | 2.5E-05 | 7.0E-02 | 0.0 | -- | -- | 0.7 | -- | -- | -- |
| MW-66 | 178 | 146.66 | -132.6 | less-open | 55 | 337 | 324 | 234 | 2 | NW | 291-335 | 44 | 2.5E-05 | 7.0E-02 | 1.2 | -- | 1.2 | -- | -- | -- | -- |
| MW-66 | 179 | 146.93 | -132.9 | less-open | 49 | 329 | 316 | 226 | 2 | NW | 291-335 | 44 | 2.5E-05 | 7.0E-02 | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-66 | 180 | 147.24 | -133.2 | less-open | 42 | 159 | 146 | 56 | 1 | SE | 116-165 | 49 | 2.5E-05 | 7.0E-02 | 0.3 | 7.9 | -- | -- | -- | -- | -- |
| MW-66 | 181 | 148.77 | -134.7 | less-open | 71 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | 2.5E-05 | 7.0E-02 | 1.5 | -- | -- | 3.3 | -- | -- | -- |
| MW-66 | 182 | 148.99 | -135.0 | less-open | 56 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | 2.5E-05 | 7.0E-02 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-66 | 183 | 149.16 | -135.1 | less-open | 57 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 2.5E-05 | 7.0E-02 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-66 | 184 | 149.3 | -135.3 | less-open | 52 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | 2.5E-05 | 7.0E-02 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-66 | 185 | 150.56 | -136.5 | less-open | 61 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | 2.5E-05 | 7.0E-02 | 1.3 | -- | -- | 1.3 | -- | -- | -- |
| MW-66 | 186 | 150.78 | -136.8 | less-open | 51 | 103 | 90 | 360 | 3 | E | 70-115 | 45 | 2.5E-05 | 7.0E-02 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-66 | 187 | 151.33 | -137.3 | less-open | 70 | 230 | 217 | 127 | NSR | NSR | NSR | NSR | 2.5E-05 | 7.0E-02 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-66 | 188 | 152.83 | -138.8 | less-open | 38 | 143 | 130 | 40 | 1 | SE | 116-165 | 49 | 4.9E-05 | 1.4E-01 | 1.5 | 5.6 | -- | -- | -- | -- | -- |
| MW-66 | 189 | 154.53 | -140.5 | less-open | 57 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | 4.9E-05 | 1.4E-01 | 1.7 | -- | -- | 3.8 | -- | -- | -- |
| MW-66 | 190 | 155.03 | -141.0 | less-open | 63 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | 4.9E-05 | 1.4E-01 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-66 | 191 | 155.39 | -141.4 | less-open | 66 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | 4.9E-05 | 1.4E-01 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-66 | 192 | 155.81 | -141.8 | less-open | 63 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | 4.9E-05 | 1.4E-01 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-66 | 193 | 156.19 | -142.2 | less-open | 25 | 300 | 287 | 197 | NSR | NSR | NSR | NSR | 4.9E-05 | 1.4E-01 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-66 | 194 | 156.45 | -142.4 | less-open | 30 | 332 | 319 | 229 | NSR | NSR | NSR | NSR | 4.9E-05 | 1.4E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-66 | 195 | 157.03 | -143.0 | less-open | 56 | 120 | 107 | 17 | 3 | E | 70-115 | 45 | 4.9E-05 | 1.4E-01 | 0.6 | -- | -- | 1.2 | -- | -- | -- |
| MW-66 | 196 | 157.16 | -143.1 | less-open | 35 | 322 | 309 | 219 | 2 | NW | 291-335 | 44 | 4.9E-05 | 1.4E-01 | 0.1 | -- | 10.2 | -- | -- | -- | -- |
| MW-66 | 197 | 157.75 | -143.7 | less-open | 54 | 356 | 343 | 253 | 6 | N | 336-21 | 45 | 4.9E-05 | 1.4E-01 | 0.6 | -- | -- | -- | -- | -- | 23.9 |
| MW-66 | 198 | 158.47 | -144.4 | less-open | 55 | 144 | 131 | 41 | 1 | SE | 116-165 | 49 | 4.9E-05 | 1.4E-01 | 0.7 | 5.6 | -- | -- | -- | -- | -- |
| MW-66 | 199 | 158.7 | -144.7 | less-open | 58 | 350 | 337 | 247 | 6 | N | 336-21 | 45 | 4.9E-05 | 1.4E-01 | 0.2 | -- | -- | -- | -- | -- | 0.9 |
| MW-66 | 200 | 159.02 | -145.0 | less-open | 42 | 329 | 316 | 226 | 2 | NW | 291-335 | 44 | 4.9E-05 | 1.4E-01 | 0.3 | -- | 1.9 | -- | -- | -- | -- |
| MW-66 | 201 | 159.95 | -145.9 | less-open | 50 | 344 | 331 | 241 | 2 | NW | 291-335 | 44 | 4.9E-05 | 1.4E-01 | 0.9 | -- | 0.9 | -- | -- | -- | -- |
| MW-66 | 202 | 159.95 | -145.9 | less-open | 44 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | 4.9E-05 | 1.4E-01 | 0.0 | -- | -- | 2.9 | -- | -- | -- |
| MW-66 | 203 | 160.58 | -146.6 | less-open | 50 | 213 | 200 | 110 | 5 | S | 166-200 | 34 | 4.9E-05 | 1.4E-01 | 0.6 | -- | -- | -- | -- | 20.6 | -- |
| MW-66 | 204 | 161.16 | -147.1 | less-open | 36 | 288 | 275 | 185 | 4 | W | 245-290 | 45 | 4.9E-05 | 1.4E-01 | 0.6 | -- | -- | -- | 16.3 | -- | -- |
| MW-66 | 205 | 161.73 | -147.7 | less-open | 30 | 300 | 287 | 197 | NSR | NSR | NSR | NSR | 4.9E-05 | 1.4E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-66 | 206 | 163.11 | -149.1 | less-open | 44 | 104 | 91 | 1 | 3 | E | 70-115 | 45 | 6.0E-05 | 1.7E-01 | 1.4 | -- | -- | 3.2 | -- | -- | -- |
| MW-66 | 207 | 163.45 | -149.4 | less-open | 41 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 6.0E-05 | 1.7E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-66 | 208 | 163.89 | -149.9 | less-open | 42 | 353 | 340 | 250 | 6 | N | 336-21 | 45 | 6.0E-05 | 1.7E-01 | 0.4 | -- | -- | -- | -- | -- | 5.2 |
| MW-66 | 209 | 164.15 | -150.1 | less-open | 68 | 104 | 91 | 1 | 3 | E | 70-115 | 45 | 6.0E-05 | 1.7E-01 | 0.3 | -- | -- | 0.7 | -- | -- | -- |
| MW-66 | 210 | 164.26 | -150.2 | less-open | 58 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 6.0E-05 | 1.7E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-66 | 211 | 164.37 | -150.3 | less-open | 60 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | 6.0E-05 | 1.7E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-66 | 212 | 164.61 | -150.6 | less-open | 54 | 350 | 337 | 247 | 6 | N | 336-21 | 45 | 6.0E-05 | 1.7E-01 | 0.2 | -- | -- | -- | -- | -- | 0.7 |
| MW-66 | 213 | 164.67 | -150.6 | less-open | 47 | 348 | 335 | 245 | 2 | NW | 291-335 | 44 | 6.0E-05 | 1.7E-01 | 0.1 | -- | 4.7 | -- | -- | -- | -- |
| MW-66 | 214 | 165.88 | -151.9 | less-open | 44 | 317 | 304 | 214 | 2 | NW | 291-335 | 44 | 6.0E-05 | 1.7E-01 | 1.2 | -- | 1.2 | -- | -- | -- | -- |
| MW-66 | 215 | 166.51 | -152.5 | less-open | 81 | 168 | 155 | 65 | NSR | NSR | NSR | NSR | 6.0E-05 | 1.7E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-66 | 216 | 166.53 | -152.5 | less-open | 43 | 322 | 309 | 219 | 2 | NW | 291-335 | 44 | 6.0E-05 | 1.7E-01 | 0.0 | -- | 0.7 | -- | -- | -- | -- |
| MW-66 | 217 | 167.67 | -153.6 | less-open | 37 | 327 | 314 | 224 | 2 | NW | 291-335 | 44 | 6.0E-05 | 1.7E-01 | 1.1 | -- | 1.1 | -- | -- | -- | -- |
| MW-66 | 218 | 167.79 | -153.8 | less-open | 42 | 313 | 300 | 210 | 2 | NW | 291-335 | 44 | 6.0E-05 | 1.7E-01 | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-66 | 219 | 167.81 | -153.8 | less-open | 71 | 202 | 189 | 99 | 5 | S | 166-200 | 34 | 6.0E-05 | 1.7E-01 | 0.0 | -- | -- | -- | -- | 7.2 | -- |
| MW-66 | 220 | 168.7 | -154.7 | less-open | 72 | 230 | 217 | 127 | NSR | NSR | NSR | NSR | 6.0E-05 | 1.7E-01 | 0.9 | -- | -- | -- | -- | -- | -- |
| MW-66 | 221 | 169.15 | -155.1 | less-open | 63 | 219 | 206 | 116 | NSR | NSR | NSR | NSR | 6.0E-05 | 1.7E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-66 | 222 | 170.67 | -156.6 | less-open | 52 | 335 | 322 | 232 | 2 | NW | 291-335 | 44 | 6.0E-05 | 1.7E-01 | 1.5 | -- | 2.9 | -- | -- | -- | -- |
| MW-66 | 223 | 170.94 | -156.9 | less-open | 57 | 9 | 356 | 266 | 6 | N | 336-21 | 45 | 6.0E-05 | 1.7E-01 | 0.3 | -- | -- | -- | -- | -- | 6.3 |
| MW-66 | 224 | 171.24 | -157.2 | less-open | 60 | 318 | 305 | 215 | 2 | NW | 291-335 | 44 | 6.0E-05 | 1.7E-01 | 0.3 | -- | 0.6 | -- | -- | -- | -- |
| MW-66 | 225 | 173.63 | -159.6 | less-open | 51 | 344 | 331 | 241 | 2 | NW | 291-335 | 44 | 7.4E-05 | 2.1E-01 | 2.4 | -- | 2.4 | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-66 | 226 | 174.63 | -160.6 | less-open | 45 | 322 | 309 | 219 | 2 | NW | 291-335 | 44 | 7.4E-05 | 2.1E-01 | 1.0 | -- | 1.0 | -- | -- | -- | -- |
| MW-66 | 227 | 175.1 | -161.1 | less-open | 70 | 44 | 31 | 301 | NSR | NSR | NSR | NSR | 7.4E-05 | 2.1E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-66 | 228 | 175.73 | -161.7 | less-open | 52 | 325 | 312 | 222 | 2 | NW | 291-335 | 44 | 7.4E-05 | 2.1E-01 | 0.6 | -- | 1.1 | -- | -- | -- | -- |
| MW-66 | 229 | 175.98 | -162.0 | less-open | 61 | 101 | 88 | 358 | 3 | E | 70-115 | 45 | 7.4E-05 | 2.1E-01 | 0.3 | -- | -- | 11.6 | -- | -- | -- |
| MW-66 | 230 | 176.02 | -162.0 | less-open | 38 | 283 | 270 | 180 | 4 | W | 245-290 | 45 | 7.4E-05 | 2.1E-01 | 0.0 | -- | -- | -- | 14.9 | -- | -- |
| MW-66 | 231 | 176.57 | -162.5 | less-open | 57 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | 7.4E-05 | 2.1E-01 | 0.5 | -- | -- | 0.6 | -- | -- | -- |
| MW-66 | 232 | 177.31 | -163.3 | less-open | 60 | 332 | 319 | 229 | 2 | NW | 291-335 | 44 | 7.4E-05 | 2.1E-01 | 0.7 | -- | 1.6 | -- | -- | -- | -- |
| MW-66 | 233 | 178.31 | -164.3 | less-open | 50 | 323 | 310 | 220 | 2 | NW | 291-335 | 44 | 7.4E-05 | 2.1E-01 | 1.0 | -- | 1.0 | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-66 | 234 | 179.3 | -165.3 | less-open | 41 | 326 | 313 | 223 | 2 | NW | 291-335 | 44 | 7.4E-05 | 2.1E-01 | 1.0 | -- | 1.0 | -- | -- | -- | -- |
| MW-66 | 235 | 179.86 | -165.8 | less-open | 60 | 132 | 119 | 29 | 1 | SE | 116-165 | 49 | 7.4E-05 | 2.1E-01 | 0.6 | 21.4 | -- | -- | -- | -- | -- |
| MW-66 | 236 | 180.13 | -166.1 | less-open | 42 | 308 | 295 | 205 | 2 | NW | 291-335 | 44 | 7.4E-05 | 2.1E-01 | 0.3 | -- | 0.8 | -- | -- | -- | -- |
| MW-66 | 237 | 180.66 | -166.6 | less-open | 60 | 125 | 112 | 22 | 3 | E | 70-115 | 45 | 7.4E-05 | 2.1E-01 | 0.5 | -- | -- | 4.1 | -- | -- | -- |
| MW-66 | 238 | 180.83 | -166.8 | less-open | 58 | 333 | 320 | 230 | 2 | NW | 291-335 | 44 | 7.4E-05 | 2.1E-01 | 0.2 | -- | 0.7 | -- | -- | -- | -- |
| MW-66 | 239 | 180.88 | -166.9 | less-open | 56 | 126 | 113 | 23 | 3 | E | 70-115 | 45 | 7.4E-05 | 2.1E-01 | 0.0 | -- | -- | 0.2 | -- | -- | -- |
| MW-66 | 240 | 183 | -169.0 | less-open | 76 | 185 | 172 | 82 | 5 | S | 166-200 | 34 | 1.5E-04 | 4.2E-01 | 2.1 | -- | -- | -- | -- | 15.2 | -- |
| MW-66 | 241 | 184.01 | -170.0 | less-open | 46 | 296 | 283 | 193 | 4 | W | 245-290 | 45 | 1.5E-04 | 4.2E-01 | 1.0 | -- | -- | -- | 8.0 | -- | -- |
| MW-66 | 242 | 184.85 | -170.8 | less-open | 42 | 126 | 113 | 23 | 3 | E | 70-115 | 45 | 1.5E-04 | 4.2E-01 | 0.8 | -- | -- | 4.0 | -- | -- | -- |
| MW-66 | 243 | 187.41 | -173.4 | less-open | 43 | 302 | 289 | 199 | 4 | W | 245-290 | 45 | 1.5E-04 | 4.2E-01 | 2.6 | -- | -- | -- | 3.4 | -- | -- |
| MW-66 | 244 | 187.94 | -173.9 | less-open | 53 | 303 | 290 | 200 | 4 | W | 245-290 | 45 | 1.5E-04 | 4.2E-01 | 0.5 | -- | -- | -- | 0.5 | -- | -- |
| MW-66 | 245 | 189.36 | -175.3 | less-open | 77 | 332 | 319 | 229 | 2 | NW | 291-335 | 44 | 1.5E-04 | 4.2E-01 | 1.4 | -- | 8.5 | -- | -- | -- | -- |
| MW-66 | 246 | 189.65 | -175.6 | less-open | 33 | 287 | 274 | 184 | NSR | NSR | NSR | NSR | 1.5E-04 | 4.2E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-66 | 247 | 190.39 | -176.4 | less-open | 38 | 128 | 115 | 25 | 3 | E | 70-115 | 45 | 1.5E-04 | 4.2E-01 | 0.7 | -- | -- | 5.5 | -- | -- | -- |
| MW-66 | 248 | 190.45 | -176.4 | less-open | 48 | 328 | 315 | 225 | 2 | NW | 291-335 | 44 | 1.5E-04 | 4.2E-01 | 0.1 | -- | 1.1 | -- | -- | -- | -- |
| MW-66 | 249 | 190.72 | -176.7 | less-open | 45 | 339 | 326 | 236 | 2 | NW | 291-335 | 44 | 1.5E-04 | 4.2E-01 | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-66 | 250 | 191.53 | -177.5 | less-open | 30 | 290 | 277 | 187 | NSR | NSR | NSR | NSR | 1.5E-04 | 4.2E-01 | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-66 | 251 | 195.62 | -181.6 | less-open | 74 | 63 | 50 | 320 | NSR | NSR | NSR | NSR | 1.5E-04 | 4.2E-01 | 4.1 | -- | -- | -- | -- | -- | -- |
| MW-66 | 252 | 197.85 | -183.8 | less-open | 52 | 124 | 111 | 21 | 3 | E | 70-115 | 45 | 1.5E-04 | 4.2E-01 | 2.2 | -- | -- | 7.5 | -- | -- | -- |
| MW-66 | 253 | 198.36 | -184.3 | less-open | 89 | 309 | 296 | 206 | NSR | NSR | NSR | NSR | 1.5E-04 | 4.2E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-66 | 254 | 198.79 | -184.8 | less-open | 87 | 312 | 299 | 209 | NSR | NSR | NSR | NSR | 1.5E-04 | 4.2E-01 | 0.4 | -- | -- | -- | -- | -- | -- |
| RW-1 | 1 | 62.72 | 10.0 | less-open | 84 | 291 | 278 | 188 | NSR | NSR | NSR | NSR | TNP | TNP | NA | -- | -- | -- | -- | -- | -- |
| RW-1 | 2 | 63.12 | 9.6 | less-open | 69 | 276 | 263 | 173 | 4 | W | 245-290 | 45 | TNP | TNP | 0.4 | -- | -- | -- | 63.1 | -- | -- |
| RW-1 | 3 | 63.22 | 9.5 | less-open | 46 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | TNP | TNP | 0.1 | -- | -- | 63.2 | -- | -- | -- |
| RW-1 | 4 | 65.31 | 7.4 | less-open | 36 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | TNP | TNP | 2.1 | -- | -- | 2.1 | -- | -- | -- |
| RW-1 | 5 | 65.50 | 7.2 | less-open | 72 | 306 | 293 | 203 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.2 | -- | 65.5 | -- | -- | -- | -- |
| RW-1 | 6 | 65.87 | 6.8 | less-open | 44 | 206 | 193 | 103 | 5 | S | 166-200 | 34 | TNP | TNP | 0.4 | -- | -- | -- | -- | 65.9 | -- |
| RW-1 | 7 | 73.89 | -1.2 | open | 78 | 327 | 314 | 224 | 2 | NW | 291-335 | 44 | TNP | TNP | 8.0 | -- | 8.4 | -- | -- | -- | -- |
| RW-1 | 8 | 75.33 | -2.6 | less-open | 26 | 75 | 62 | 332 | NSR | NSR | NSR | NSR | TNP | TNP | 1.4 | -- | -- | -- | -- | -- | -- |
| RW-1 | 9 | 79.44 | -6.8 | less-open | 28 | 124 | 111 | 21 | NSR | NSR | NSR | NSR | TNP | TNP | 4.1 | -- | -- | -- | -- | -- | -- |
| RW-1 | 10 | 81.07 | -8.4 | less-open | 60 | 248 | 235 | 145 | NSR | NSR | NSR | NSR | TNP | TNP | 1.6 | -- | -- | -- | -- | -- | -- |
| RW-1 | 11 | 83.58 | -10.9 | less-open | 40 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | TNP | TNP | 2.5 | -- | -- | 18.3 | -- | -- | -- |
| RW-1 | 12 | 83.71 | -11.0 | less-open | 42 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | TNP | TNP | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| RW-1 | 13 | 83.82 | -11.1 | less-open | 43 | 101 | 88 | 358 | 3 | E | 70-115 | 45 | TNP | TNP | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| RW-1 | 14 | 84.06 | -11.4 | less-open | 43 | 209 | 196 | 106 | 5 | S | 166-200 | 34 | TNP | TNP | 0.2 | -- | -- | -- | -- | 18.2 | -- |
| RW-1 | 15 | 87.09 | -14.4 | less-open | 35 | 164 | 151 | 61 | 1 | SE | 116-165 | 49 | TNP | TNP | 3.0 | 87.1 | -- | -- | -- | -- | -- |
| RW-1 | 16 | 87.31 | -14.6 | less-open | 30 | 312 | 299 | 209 | NSR | NSR | NSR | NSR | TNP | TNP | 0.2 | -- | -- | -- | -- | -- | -- |
| RW-1 | 17 | 97.98 | -25.3 | less-open | 38 | 184 | 171 | 81 | 5 | S | 166-200 | 34 | TNP | TNP | 10.7 | -- | -- | -- | -- | 13.9 | -- |
| RW-1 | 18 | 100.46 | -27.8 | less-open | 30 | 120 | 107 | 17 | NSR | NSR | NSR | NSR | TNP | TNP | 2.5 | -- | -- | -- | -- | -- | -- |
| RW-1 | 19 | 100.84 | -28.2 | less-open | 50 | 329 | 316 | 226 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.4 | -- | 27.0 | -- | -- | -- | -- |
| RW-1 | 20 | 103.13 | -30.4 | less-open | 51 | 195 | 182 | 92 | 5 | S | 166-200 | 34 | TNP | TNP | 2.3 | -- | -- | -- | -- | 5.1 | -- |
| RW-1 | 21 | 111.58 | -38.9 | less-open | 49 | 289 | 276 | 186 | 4 | W | 245-290 | 45 | TNP | TNP | 8.5 | -- | -- | -- | 48.5 | -- | -- |
| RW-1 | 22 | 111.82 | -39.1 | less-open | 43 | 141 | 128 | 38 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.2 | 24.7 | -- | -- | -- | -- | -- |
| RW-1 | 23 | 114.91 | -42.2 | less-open | 55 | 147 | 134 | 44 | 1 | SE | 116-165 | 49 | TNP | TNP | 3.1 | 3.1 | -- | -- | -- | -- | -- |
| RW-1 | 24 | 116.19 | -43.5 | open | 54 | 156 | 143 | 53 | 1 | SE | 116-165 | 49 | TNP | TNP | 1.3 | 1.3 | -- | -- | -- | -- | -- |
| RW-1 | 25 | 117.18 | -44.5 | less-open | 61 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | TNP | TNP | 1.0 | -- | -- | 33.4 | -- | -- | -- |
| RW-1 | 26 | 119.45 | -46.8 | less-open | 45 | 127 | 114 | 24 | 3 | E | 70-115 | 45 | TNP | TNP | 2.3 | -- | -- | 2.3 | -- | -- | -- |
| RW-1 | 27 | 120.34 | -47.7 | less-open | 34 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | TNP | TNP | 0.9 | -- | -- | 0.9 | -- | -- | -- |
| RW-1 | 28 | 124.07 | -51.4 | less-open | 32 | 229 | 216 | 126 | NSR | NSR | NSR | NSR | TNP | TNP | 3.7 | -- | -- | -- | -- | -- | -- |
| RW-1 | 29 | 127.11 | -54.4 | less-open | 87 | 153 | 140 | 50 | NSR | NSR | NSR | NSR | TNP | TNP | 3.0 | -- | -- | -- | -- | -- | -- |
| RW-1 | 30 | 127.16 | -54.5 | less-open | 45 | 183 | 170 | 80 | 5 | S | 166-200 | 34 | TNP | TNP | 0.0 | -- | -- | -- | -- | 24.0 | -- |
| RW-1 | 31 | 129.71 | -57.0 | less-open | 47 | 303 | 290 | 200 | 4 | W | 245-290 | 45 | TNP | TNP | 2.6 | -- | -- | -- | 18.1 | -- | -- |
| RW-1 | 32 | 134.61 | -61.9 | less-open | 48 | 278 | 265 | 175 | 4 | W | 245-290 | 45 | TNP | TNP | 4.9 | -- | -- | -- | 4.9 | -- | -- |
| RW-1 | 33 | 135.67 | -63.0 | less-open | 49 | 260 | 247 | 157 | 4 | W | 245-290 | 45 | TNP | TNP | 1.1 | -- | -- | -- | 1.1 | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | | ft/day | | | 1 | 2 | 3 | 4 | 5 | 6 |
| RW-1 | 34 | 136.95 | -64.3 | less-open | 41 | 319 | 306 | 216 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 1.3 | -- | 36.1 | -- | -- | -- | -- |
| RW-1 | 35 | 137.89 | -65.2 | less-open | 45 | 290 | 277 | 187 | 4 | W | 245-290 | 45 | TNP | | TNP | | 0.9 | -- | -- | -- | 2.2 | -- | -- |
| RW-1 | 36 | 138.51 | -65.8 | less-open | 43 | 292 | 279 | 189 | 4 | W | 245-290 | 45 | TNP | | TNP | | 0.6 | -- | -- | -- | 0.6 | -- | -- |
| RW-1 | 37 | 138.64 | -66.0 | less-open | 43 | 285 | 272 | 182 | 4 | W | 245-290 | 45 | TNP | | TNP | | 0.1 | -- | -- | -- | 0.1 | -- | -- |
| RW-1 | 38 | 139.11 | -66.4 | less-open | 28 | 270 | 257 | 167 | NSR | NSR | NSR | NSR | TNP | | TNP | | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-67 | 1 | 32.54 | -18.5 | less-open | 60 | 251 | 238 | 148 | NSR | NSR | NSR | NSR | 3.1E-04 | 1.8E-05 | 8.9E-01 | 5.0E-02 | NA | -- | -- | -- | -- | -- | -- |
| MW-67 | 2 | 33.17 | -19.1 | less-open | 72 | 347 | 334 | 244 | 2 | NW | 291-335 | 44 | 3.1E-04 | 1.8E-05 | 8.9E-01 | 5.0E-02 | 0.6 | -- | 33.2 | -- | -- | -- | -- |
| MW-67 | 3 | 33.71 | -19.7 | open | 73 | 310 | 297 | 207 | 2 | NW | 291-335 | 44 | 3.1E-04 | 1.8E-05 | 8.9E-01 | 5.0E-02 | 0.5 | -- | 0.5 | -- | -- | -- | -- |
| MW-67 | 4 | 33.80 | -19.8 | less-open | 53 | 297 | 284 | 194 | 4 | W | 245-290 | 45 | 3.1E-04 | 1.8E-05 | 8.9E-01 | 5.0E-02 | 0.1 | -- | -- | -- | 33.8 | -- | -- |
| MW-67 | 5 | 34.14 | -20.1 | less-open | 71 | 188 | 175 | 85 | 5 | S | 166-200 | 34 | 3.1E-04 | 1.8E-05 | 8.9E-01 | 5.0E-02 | 0.3 | -- | -- | -- | -- | 34.1 | -- |
| MW-67 | 6 | 34.32 | -20.3 | less-open | 73 | 190 | 177 | 87 | 5 | S | 166-200 | 34 | 3.1E-04 | 1.8E-05 | 8.9E-01 | 5.0E-02 | 0.2 | -- | -- | -- | -- | 0.2 | -- |
| MW-67 | 7 | 34.76 | -20.7 | less-open | 52 | 273 | 260 | 170 | 4 | W | 245-290 | 45 | 3.1E-04 | 1.8E-05 | 8.9E-01 | 5.0E-02 | 0.4 | -- | -- | -- | 1.0 | -- | -- |
| MW-67 | 8 | 34.77 | -20.7 | less-open | 74 | 82 | 69 | 339 | NSR | NSR | NSR | NSR | 3.1E-04 | 1.8E-05 | 8.9E-01 | 5.0E-02 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-67 | 9 | 35.05 | -21.0 | less-open | 20 | 20 | 7 | 277 | NSR | NSR | NSR | NSR | 3.1E-04 | 1.8E-05 | 8.9E-01 | 5.0E-02 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-67 | 10 | 35.09 | -21.1 | less-open | 62 | 171 | 158 | 68 | 1 | SE | 116-165 | 49 | 3.1E-04 | 1.8E-05 | 8.9E-01 | 5.0E-02 | 0.0 | 35.1 | -- | -- | -- | -- | -- |
| MW-67 | 11 | 35.15 | -21.1 | less-open | 47 | 282 | 269 | 179 | 4 | W | 245-290 | 45 | 3.1E-04 | 1.8E-05 | 8.9E-01 | 5.0E-02 | 0.1 | -- | -- | -- | 0.4 | -- | -- |
| MW-67 | 12 | 35.29 | -21.3 | less-open | 71 | 192 | 179 | 89 | 5 | S | 166-200 | 34 | 3.1E-04 | 1.8E-05 | 8.9E-01 | 5.0E-02 | 0.1 | -- | -- | -- | -- | 1.0 | -- |
| MW-67 | 13 | 35.74 | -21.7 | open | 28 | 292 | 279 | 189 | NSR | NSR | NSR | NSR | 3.1E-04 | 1.8E-05 | 8.9E-01 | 5.0E-02 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-67 | 14 | 37.07 | -23.0 | less-open | 69 | 319 | 306 | 216 | 2 | NW | 291-335 | 44 | | 1.8E-05 | | 5.0E-02 | 1.3 | -- | 3.4 | -- | -- | -- | -- |
| MW-67 | 15 | 37.13 | -23.1 | less-open | 47 | 284 | 271 | 181 | 4 | W | 245-290 | 45 | | 1.8E-05 | | 5.0E-02 | 0.1 | -- | -- | -- | 2.0 | -- | -- |
| MW-67 | 16 | 37.13 | -23.1 | less-open | 30 | 292 | 279 | 189 | NSR | NSR | NSR | NSR | | 1.8E-05 | | 5.0E-02 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-67 | 17 | 37.59 | -23.6 | less-open | 44 | 69 | 56 | 326 | NSR | NSR | NSR | NSR | | 1.8E-05 | | 5.0E-02 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-67 | 18 | 37.60 | -23.6 | less-open | 51 | 274 | 261 | 171 | 4 | W | 245-290 | 45 | | 1.8E-05 | | 5.0E-02 | 0.0 | -- | -- | -- | 0.5 | -- | -- |
| MW-67 | 19 | 38.06 | -24.0 | less-open | 51 | 138 | 125 | 35 | 1 | SE | 116-165 | 49 | | 1.8E-05 | | 5.0E-02 | 0.5 | 3.0 | -- | -- | -- | -- | -- |
| MW-67 | 20 | 38.27 | -24.2 | less-open | 55 | 256 | 243 | 153 | NSR | NSR | NSR | NSR | | 1.8E-05 | | 5.0E-02 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-67 | 21 | 38.75 | -24.7 | less-open | 33 | 257 | 244 | 154 | NSR | NSR | NSR | NSR | | 1.8E-05 | | 5.0E-02 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-67 | 22 | 39.27 | -25.2 | less-open | 46 | 207 | 194 | 104 | 5 | S | 166-200 | 34 | | 1.8E-05 | | 5.0E-02 | 0.5 | -- | -- | -- | -- | 4.0 | -- |
| MW-67 | 23 | 40.58 | -26.6 | open | 44 | 310 | 297 | 207 | 2 | NW | 291-335 | 44 | 7.1E-06 | 1.8E-05 | 2.0E-02 | 5.0E-02 | 1.3 | -- | 3.5 | -- | -- | -- | -- |
| MW-67 | 24 | 41.15 | -27.1 | less-open | 23 | 167 | 154 | 64 | NSR | NSR | NSR | NSR | 7.1E-06 | 1.8E-05 | 2.0E-02 | 5.0E-02 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-67 | 25 | 41.29 | -27.3 | open | 71 | 205 | 192 | 102 | 5 | S | 166-200 | 34 | 7.1E-06 | 1.8E-05 | 2.0E-02 | 5.0E-02 | 0.1 | -- | -- | -- | -- | 2.0 | -- |
| MW-67 | 26 | 41.52 | -27.5 | less-open | 41 | 161 | 148 | 58 | 1 | SE | 116-165 | 49 | 7.1E-06 | 1.8E-05 | 2.0E-02 | 5.0E-02 | 0.2 | 3.5 | -- | -- | -- | -- | -- |
| MW-67 | 27 | 41.59 | -27.6 | less-open | 40 | 316 | 303 | 213 | 2 | NW | 291-335 | 44 | 7.1E-06 | 1.8E-05 | 2.0E-02 | 5.0E-02 | 0.1 | -- | 1.0 | -- | -- | -- | -- |
| MW-67 | 28 | 41.74 | -27.7 | less-open | 65 | 172 | 159 | 69 | 1 | SE | 116-165 | 49 | 7.1E-06 | 1.8E-05 | 2.0E-02 | 5.0E-02 | 0.1 | 0.2 | -- | -- | -- | -- | -- |
| MW-67 | 29 | 41.75 | -27.7 | less-open | 76 | 213 | 200 | 110 | 5 | S | 166-200 | 34 | 7.1E-06 | 1.8E-05 | 2.0E-02 | 5.0E-02 | 0.0 | -- | -- | -- | -- | 0.5 | -- |
| MW-67 | 30 | 42.03 | -28.0 | less-open | 72 | 208 | 195 | 105 | 5 | S | 166-200 | 34 | 7.1E-06 | 1.8E-05 | 2.0E-02 | 5.0E-02 | 0.3 | -- | -- | -- | -- | 0.3 | -- |
| MW-67 | 31 | 42.31 | -28.3 | less-open | 53 | 245 | 232 | 142 | NSR | NSR | NSR | NSR | 7.1E-06 | 1.8E-05 | 2.0E-02 | 5.0E-02 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-67 | 32 | 42.43 | -28.4 | less-open | 69 | 140 | 127 | 37 | 1 | SE | 116-165 | 49 | 7.1E-06 | 1.8E-05 | 2.0E-02 | 5.0E-02 | 0.1 | 0.7 | -- | -- | -- | -- | -- |
| MW-67 | 33 | 42.57 | -28.5 | less-open | 46 | 241 | 228 | 138 | NSR | NSR | NSR | NSR | 7.1E-06 | 1.8E-05 | 2.0E-02 | 5.0E-02 | 0.1 | -- | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | | ft/day | | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-67 | 34 | 42.57 | -28.5 | less-open | 67 | 320 | 307 | 217 | 2 | NW | 291-335 | 44 | 7.1E-06 | 1.8E-05 | 2.0E-02 | 5.0E-02 | 0.0 | -- | 1.0 | -- | -- | -- | -- |
| MW-67 | 35 | 42.66 | -28.6 | less-open | 31 | 225 | 212 | 122 | NSR | NSR | NSR | NSR | 7.1E-06 | 1.8E-05 | 2.0E-02 | 5.0E-02 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-67 | 36 | 43.12 | -29.1 | open | 37 | 275 | 262 | 172 | 4 | W | 245-290 | 45 | 7.1E-06 | 1.8E-05 | 2.0E-02 | 5.0E-02 | 0.5 | -- | -- | -- | 5.5 | -- | -- |
| MW-67 | 37 | 43.58 | -29.6 | less-open | 39 | 232 | 219 | 129 | NSR | NSR | NSR | NSR | 7.1E-06 | 1.8E-05 | 2.0E-02 | 5.0E-02 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-67 | 38 | 43.72 | -29.7 | less-open | 60 | 165 | 152 | 62 | 1 | SE | 116-165 | 49 | 7.1E-06 | 1.8E-05 | 2.0E-02 | 5.0E-02 | 0.1 | 1.3 | -- | -- | -- | -- | -- |
| MW-67 | 39 | 43.89 | -29.9 | less-open | 78 | 180 | 167 | 77 | 5 | S | 166-200 | 34 | 7.1E-06 | 1.8E-05 | 2.0E-02 | 5.0E-02 | 0.2 | -- | -- | -- | -- | 1.9 | -- |
| MW-67 | 40 | 44.33 | -30.3 | less-open | 34 | 245 | 232 | 142 | NSR | NSR | NSR | NSR | 7.1E-06 | 1.8E-05 | 2.0E-02 | 5.0E-02 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-67 | 41 | 44.38 | -30.4 | less-open | 44 | 150 | 137 | 47 | 1 | SE | 116-165 | 49 | 7.1E-06 | 1.8E-05 | 2.0E-02 | 5.0E-02 | 0.1 | 0.7 | -- | -- | -- | -- | -- |
| MW-67 | 42 | 44.60 | -30.6 | less-open | 78 | 232 | 219 | 129 | NSR | NSR | NSR | NSR | 7.1E-06 | 1.8E-05 | 2.0E-02 | 5.0E-02 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-67 | 43 | 44.90 | -30.9 | less-open | 24 | 281 | 268 | 178 | NSR | NSR | NSR | NSR | 7.1E-06 | 1.8E-05 | 2.0E-02 | 5.0E-02 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-67 | 44 | 45.77 | -31.7 | less-open | 28 | 135 | 122 | 32 | NSR | NSR | NSR | NSR | 7.1E-06 | | 2.0E-02 | | 0.9 | -- | -- | -- | -- | -- | -- |
| MW-67 | 45 | 46.53 | -32.5 | less-open | 70 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | 7.1E-06 | | 2.0E-02 | | 0.8 | -- | -- | 46.5 | -- | -- | -- |
| MW-67 | 46 | 46.56 | -32.5 | less-open | 68 | 145 | 132 | 42 | 1 | SE | 116-165 | 49 | 7.1E-06 | | 2.0E-02 | | 0.0 | 2.2 | -- | -- | -- | -- | -- |
| MW-67 | 47 | 48.20 | -34.2 | less-open | 69 | 202 | 189 | 99 | 5 | S | 166-200 | 34 | 7.1E-06 | | 2.0E-02 | | 1.6 | -- | -- | -- | -- | 4.3 | -- |
| MW-67 | 48 | 48.63 | -34.6 | less-open | 66 | 208 | 195 | 105 | 5 | S | 166-200 | 34 | 7.1E-06 | | 2.0E-02 | | 0.4 | -- | -- | -- | -- | 0.4 | -- |
| MW-67 | 49 | 48.75 | -34.7 | less-open | 66 | 201 | 188 | 98 | 5 | S | 166-200 | 34 | 7.1E-06 | | 2.0E-02 | | 0.1 | -- | -- | -- | -- | 0.1 | -- |
| MW-67 | 50 | 49.00 | -35.0 | less-open | 64 | 221 | 208 | 118 | NSR | NSR | NSR | NSR | 7.1E-06 | | 2.0E-02 | | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-67 | 51 | 49.23 | -35.2 | less-open | 69 | 330 | 317 | 227 | 2 | NW | 291-335 | 44 | 7.1E-06 | | 2.0E-02 | | 0.2 | -- | 6.7 | -- | -- | -- | -- |
| MW-67 | 52 | 49.27 | -35.2 | less-open | 62 | 202 | 189 | 99 | 5 | S | 166-200 | 34 | 7.1E-06 | | 2.0E-02 | | 0.0 | -- | -- | -- | -- | 0.5 | -- |
| MW-67 | 53 | 50.13 | -36.1 | open | 24 | 11 | 358 | 268 | NSR | NSR | NSR | NSR | 7.1E-06 | | 2.0E-02 | | 0.9 | -- | -- | -- | -- | -- | -- |
| MW-67 | 54 | 50.58 | -36.6 | less-open | 20 | 93 | 80 | 350 | NSR | NSR | NSR | NSR | 7.1E-06 | | 2.0E-02 | | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-67 | 55 | 52.47 | -38.4 | less-open | 62 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | 7.1E-06 | | 2.0E-02 | | 1.9 | -- | -- | 5.9 | -- | -- | -- |
| MW-67 | 56 | 53.59 | -39.6 | less-open | 58 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | 7.1E-06 | | 2.0E-02 | | 1.1 | -- | -- | 1.1 | -- | -- | -- |
| MW-67 | 57 | 54.25 | -40.2 | less-open | 47 | 154 | 141 | 51 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.7 | 7.7 | -- | -- | -- | -- | -- |
| MW-67 | 58 | 54.77 | -40.7 | less-open | 30 | 180 | 167 | 77 | NSR | NSR | NSR | NSR | TNP | | TNP | | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-67 | 59 | 56.60 | -42.6 | less-open | 65 | 332 | 319 | 229 | 2 | NW | 291-335 | 44 | 1.8E-05 | | 5.0E-02 | | 1.8 | -- | 7.4 | -- | -- | -- | -- |
| MW-67 | 60 | 58.73 | -44.7 | less-open | 45 | 315 | 302 | 212 | 2 | NW | 291-335 | 44 | 1.8E-05 | | 5.0E-02 | | 2.1 | -- | 2.1 | -- | -- | -- | -- |
| MW-67 | 61 | 58.90 | -44.9 | less-open | 48 | 228 | 215 | 125 | NSR | NSR | NSR | NSR | 1.8E-05 | | 5.0E-02 | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-67 | 62 | 61.26 | -47.2 | less-open | 59 | 178 | 165 | 75 | 1 | SE | 116-165 | 49 | 1.8E-05 | | 5.0E-02 | | 2.4 | 7.0 | -- | -- | -- | -- | -- |
| MW-67 | 63 | 62.04 | -48.0 | less-open | 46 | 224 | 211 | 121 | NSR | NSR | NSR | NSR | 1.8E-05 | | 5.0E-02 | | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-67 | 64 | 62.21 | -48.2 | less-open | 39 | 230 | 217 | 127 | NSR | NSR | NSR | NSR | 1.8E-05 | | 5.0E-02 | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-67 | 65 | 64.34 | -50.3 | less-open | 45 | 304 | 291 | 201 | 2 | NW | 291-335 | 44 | 1.8E-05 | | 5.0E-02 | | 2.1 | -- | 5.6 | -- | -- | -- | -- |
| MW-67 | 66 | 65.20 | -51.2 | less-open | 46 | 139 | 126 | 36 | 1 | SE | 116-165 | 49 | 1.8E-05 | | 5.0E-02 | | 0.9 | 3.9 | -- | -- | -- | -- | -- |
| MW-67 | 67 | 66.52 | -52.5 | less-open | 46 | 125 | 112 | 22 | 3 | E | 70-115 | 45 | 1.8E-05 | | 5.0E-02 | | 1.3 | -- | -- | 12.9 | -- | -- | -- |
| MW-67 | 68 | 67.47 | -53.4 | less-open | 75 | 332 | 319 | 229 | 2 | NW | 291-335 | 44 | 1.8E-05 | | 5.0E-02 | | 1.0 | -- | 3.1 | -- | -- | -- | -- |
| MW-67 | 69 | 67.64 | -53.6 | less-open | 63 | 341 | 328 | 238 | 2 | NW | 291-335 | 44 | 1.8E-05 | | 5.0E-02 | | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-67 | 70 | 67.90 | -53.9 | less-open | 57 | 322 | 309 | 219 | 2 | NW | 291-335 | 44 | 1.8E-05 | | 5.0E-02 | | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-67 | 71 | 69.65 | -55.6 | less-open | 74 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | 1.8E-05 | | 5.0E-02 | | 1.8 | -- | -- | 3.1 | -- | -- | -- |
| MW-67 | 72 | 70.77 | -56.7 | less-open | 56 | 343 | 330 | 240 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 1.1 | -- | 2.9 | -- | -- | -- | -- |
| MW-67 | 73 | 71.36 | -57.3 | less-open | 53 | 136 | 123 | 33 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.6 | 6.2 | -- | -- | -- | -- | -- |
| MW-67 | 74 | 71.96 | -57.9 | less-open | 54 | 319 | 306 | 216 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 0.6 | -- | 1.2 | -- | -- | -- | -- |
| MW-67 | 75 | 73.58 | -59.6 | less-open | 69 | 338 | 325 | 235 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 1.6 | -- | 1.6 | -- | -- | -- | -- |
| MW-67 | 76 | 73.71 | -59.7 | less-open | 62 | 322 | 309 | 219 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-67 | 77 | 73.92 | -59.9 | less-open | 56 | 137 | 124 | 34 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.2 | 2.6 | -- | -- | -- | -- | -- |
| MW-67 | 78 | 74.74 | -60.7 | less-open | 62 | 122 | 109 | 19 | 3 | E | 70-115 | 45 | TNP | | TNP | | 0.8 | -- | -- | 5.1 | -- | -- | -- |
| MW-67 | 79 | 76.06 | -62.0 | less-open | 68 | 333 | 320 | 230 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 1.3 | -- | 2.4 | -- | -- | -- | -- |
| MW-67 | 80 | 76.24 | -62.2 | less-open | 67 | 125 | 112 | 22 | 3 | E | 70-115 | 45 | TNP | | TNP | | 0.2 | -- | -- | 1.5 | -- | -- | -- |
| MW-67 | 81 | 77.54 | -63.5 | less-open | 63 | 325 | 312 | 222 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 1.3 | -- | 1.5 | -- | -- | -- | -- |
| MW-67 | 82 | 77.77 | -63.7 | less-open | 66 | 332 | 319 | 229 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-67 | 83 | 77.93 | -63.9 | less-open | 78 | 204 | 191 | 101 | 5 | S | 166-200 | 34 | TNP | | TNP | | 0.2 | -- | -- | -- | -- | 28.7 | -- |
| MW-67 | 84 | 78.82 | -64.8 | less-open | 62 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | TNP | | TNP | | 0.9 | -- | -- | 2.6 | -- | -- | -- |
| MW-67 | 85 | 79.05 | -65.0 | less-open | 62 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | TNP | | TNP | | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-67 | 86 | 79.72 | -65.7 | less-open | 69 | 327 | 314 | 224 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 0.7 | -- | 2.0 | -- | -- | -- | -- |
| MW-67 | 87 | 81.25 | -67.2 | less-open | 77 | 31 | 18 | 288 | 6 | N | 336-21 | 45 | TNP | | TNP | | 1.5 | -- | -- | -- | -- | -- | 81.3 |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-67 | 88 | 81.72 | -67.7 | less-open | 35 | 344 | 331 | 241 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.5 | -- | 2.0 | -- | -- | -- | -- |
| MW-67 | 89 | 82.67 | -68.6 | less-open | 76 | 341 | 328 | 238 | 2 | NW | 291-335 | 44 | 9.5E-05 | 2.7E-01 | 1.0 | -- | 1.0 | -- | -- | -- | -- |
| MW-67 | 90 | 83.25 | -69.2 | less-open | 69 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | 9.5E-05 | 2.7E-01 | 0.6 | -- | -- | 4.2 | -- | -- | -- |
| MW-67 | 91 | 84.12 | -70.1 | less-open | 68 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | 9.5E-05 | 2.7E-01 | 0.9 | -- | -- | 0.9 | -- | -- | -- |
| MW-67 | 92 | 84.73 | -70.7 | less-open | 74 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | 9.5E-05 | 2.7E-01 | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-67 | 93 | 85.10 | -71.1 | less-open | 25 | 101 | 88 | 358 | NSR | NSR | NSR | NSR | 9.5E-05 | 2.7E-01 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-67 | 94 | 85.17 | -71.1 | less-open | 71 | 121 | 108 | 18 | 3 | E | 70-115 | 45 | 9.5E-05 | 2.7E-01 | 0.1 | -- | -- | 0.4 | -- | -- | -- |
| MW-67 | 95 | 85.39 | -71.4 | less-open | 78 | 186 | 173 | 83 | 5 | S | 166-200 | 34 | 9.5E-05 | 2.7E-01 | 0.2 | -- | -- | -- | -- | 7.5 | -- |
| MW-67 | 96 | 86.26 | -72.2 | less-open | 57 | 323 | 310 | 220 | 2 | NW | 291-335 | 44 | 9.5E-05 | 2.7E-01 | 0.9 | -- | 3.6 | -- | -- | -- | -- |
| MW-67 | 97 | 87.30 | -73.3 | less-open | 71 | 185 | 172 | 82 | 5 | S | 166-200 | 34 | 9.5E-05 | 2.7E-01 | 1.0 | -- | -- | -- | -- | 1.9 | -- |
| MW-67 | 98 | 88.14 | -74.1 | less-open | 69 | 328 | 315 | 225 | 2 | NW | 291-335 | 44 | 9.5E-05 | 2.7E-01 | 0.8 | -- | 1.9 | -- | -- | -- | -- |
| MW-67 | 99 | 88.17 | -74.1 | less-open | 73 | 131 | 118 | 28 | 1 | SE | 116-165 | 49 | 9.5E-05 | 2.7E-01 | 0.0 | 14.3 | -- | -- | -- | -- | -- |
| MW-67 | 100 | 89.61 | -75.6 | less-open | 58 | 329 | 316 | 226 | 2 | NW | 291-335 | 44 | 9.5E-05 | 2.7E-01 | 1.4 | -- | 1.5 | -- | -- | -- | -- |
| MW-67 | 101 | 91.21 | -77.2 | less-open | 63 | 335 | 322 | 232 | 2 | NW | 291-335 | 44 | 9.5E-05 | 2.7E-01 | 1.6 | -- | 1.6 | -- | -- | -- | -- |
| MW-67 | 102 | 93.22 | -79.2 | less-open | 50 | 260 | 247 | 157 | 4 | W | 245-290 | 45 | 9.5E-05 | 2.7E-01 | 2.0 | -- | -- | -- | 50.1 | -- | -- |
| MW-67 | 103 | 94.34 | -80.3 | less-open | 66 | 239 | 226 | 136 | NSR | NSR | NSR | NSR | 9.5E-05 | 2.7E-01 | 1.1 | -- | -- | -- | -- | -- | -- |
| MW-67 | 104 | 94.67 | -80.6 | less-open | 72 | 222 | 209 | 119 | NSR | NSR | NSR | NSR | 9.5E-05 | 2.7E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-67 | 105 | 94.94 | -80.9 | less-open | 75 | 211 | 198 | 108 | 5 | S | 166-200 | 34 | 9.5E-05 | 2.7E-01 | 0.3 | -- | -- | -- | -- | 7.6 | -- |
| MW-67 | 106 | 95.82 | -81.8 | less-open | 78 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 9.5E-05 | 2.7E-01 | 0.9 | -- | -- | 10.7 | -- | -- | -- |
| MW-67 | 107 | 97.07 | -83.0 | less-open | 62 | 94 | 81 | 351 | 3 | E | 70-115 | 45 | TNP | TNP | 1.3 | -- | -- | 1.3 | -- | -- | -- |
| MW-67 | 108 | 97.72 | -83.7 | less-open | 80 | 179 | 166 | 76 | 5 | S | 166-200 | 34 | TNP | TNP | 0.7 | -- | -- | -- | -- | 2.8 | -- |
| MW-67 | 109 | 97.86 | -83.8 | less-open | 79 | 193 | 180 | 90 | 5 | S | 166-200 | 34 | TNP | TNP | 0.1 | -- | -- | -- | -- | 0.1 | -- |
| MW-67 | 110 | 98.1 | -84.1 | less-open | 62 | 343 | 330 | 240 | 2 | NW | 291-335 | 44 | 3.4E-04 | 9.6E-01 | 0.2 | -- | 6.9 | -- | -- | -- | -- |
| MW-67 | 111 | 99.51 | -85.5 | less-open | 35 | 39 | 26 | 296 | NSR | NSR | NSR | NSR | 3.4E-04 | 9.6E-01 | 1.4 | -- | -- | -- | -- | -- | -- |
| MW-67 | 112 | 99.54 | -85.5 | less-open | 75 | 182 | 169 | 79 | 5 | S | 166-200 | 34 | 3.4E-04 | 9.6E-01 | 0.0 | -- | -- | -- | -- | 1.7 | -- |
| MW-67 | 113 | 100.58 | -86.6 | less-open | 24 | 5 | 352 | 262 | NSR | NSR | NSR | NSR | 3.4E-04 | 9.6E-01 | 1.0 | -- | -- | -- | -- | -- | -- |
| MW-67 | 114 | 101.27 | -87.2 | less-open | 35 | 8 | 355 | 265 | 6 | N | 336-21 | 45 | 3.4E-04 | 9.6E-01 | 0.7 | -- | -- | -- | -- | -- | 20.0 |
| MW-67 | 115 | 101.78 | -87.8 | less-open | 48 | 228 | 215 | 125 | NSR | NSR | NSR | NSR | 3.4E-04 | 9.6E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-67 | 116 | 102.46 | -88.4 | less-open | 41 | 196 | 183 | 93 | 5 | S | 166-200 | 34 | 3.4E-04 | 9.6E-01 | 0.7 | -- | -- | -- | -- | 2.9 | -- |
| MW-67 | 117 | 102.47 | -88.4 | less-open | 70 | 346 | 333 | 243 | 2 | NW | 291-335 | 44 | 3.4E-04 | 9.6E-01 | 0.0 | -- | 4.4 | -- | -- | -- | -- |
| MW-67 | 118 | 102.85 | -88.8 | less-open | 26 | 201 | 188 | 98 | NSR | NSR | NSR | NSR | 3.4E-04 | 9.6E-01 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-67 | 119 | 103.38 | -89.4 | less-open | 51 | 118 | 105 | 15 | 3 | E | 70-115 | 45 | 3.4E-04 | 9.6E-01 | 0.5 | -- | -- | 6.3 | -- | -- | -- |
| MW-67 | 120 | 103.47 | -89.4 | less-open | 46 | 131 | 118 | 28 | 1 | SE | 116-165 | 49 | 3.4E-04 | 9.6E-01 | 0.1 | 15.3 | -- | -- | -- | -- | -- |
| MW-67 | 121 | 103.75 | -89.7 | less-open | 74 | 351 | 338 | 248 | 6 | N | 336-21 | 45 | 3.4E-04 | 9.6E-01 | 0.3 | -- | -- | -- | -- | -- | 2.5 |
| MW-67 | 122 | 104.23 | -90.2 | less-open | 46 | 165 | 152 | 62 | 1 | SE | 116-165 | 49 | 3.4E-04 | 9.6E-01 | 0.5 | 0.8 | -- | -- | -- | -- | -- |
| MW-67 | 123 | 104.59 | -90.6 | less-open | 61 | 216 | 203 | 113 | NSR | NSR | NSR | NSR | 3.4E-04 | 9.6E-01 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-67 | 124 | 104.68 | -90.7 | less-open | 66 | 347 | 334 | 244 | 2 | NW | 291-335 | 44 | 3.4E-04 | 9.6E-01 | 0.1 | -- | 2.2 | -- | -- | -- | -- |
| MW-67 | 125 | 105.26 | -91.2 | less-open | 56 | 353 | 340 | 250 | 6 | N | 336-21 | 45 | 3.4E-04 | 9.6E-01 | 0.6 | -- | -- | -- | -- | -- | 1.5 |
| MW-67 | 126 | 105.27 | -91.2 | less-open | 74 | 344 | 331 | 241 | 2 | NW | 291-335 | 44 | 3.4E-04 | 9.6E-01 | 0.0 | -- | 0.6 | -- | -- | -- | -- |
| MW-67 | 127 | 106.01 | -92.0 | less-open | 72 | 323 | 310 | 220 | 2 | NW | 291-335 | 44 | 3.4E-04 | 9.6E-01 | 0.7 | -- | 0.7 | -- | -- | -- | -- |
| MW-67 | 128 | 106.13 | -92.1 | open | 53 | 244 | 231 | 141 | NSR | NSR | NSR | NSR | 3.4E-04 | 9.6E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-67 | 129 | 106.46 | -92.4 | less-open | 77 | 119 | 106 | 16 | 3 | E | 70-115 | 45 | 3.4E-04 | 9.6E-01 | 0.3 | -- | -- | 3.1 | -- | -- | -- |
| MW-67 | 130 | 106.69 | -92.7 | less-open | 82 | 184 | 171 | 81 | NSR | NSR | NSR | NSR | 3.4E-04 | 9.6E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-67 | 131 | 107.03 | -93.0 | less-open | 71 | 335 | 322 | 232 | 2 | NW | 291-335 | 44 | 3.4E-04 | 9.6E-01 | 0.3 | -- | 1.0 | -- | -- | -- | -- |
| MW-67 | 132 | 107.18 | -93.2 | less-open | 64 | 124 | 111 | 21 | 3 | E | 70-115 | 45 | 3.4E-04 | 9.6E-01 | 0.2 | -- | -- | 0.7 | -- | -- | -- |
| MW-67 | 133 | 107.4 | -93.4 | less-open | 70 | 337 | 324 | 234 | 2 | NW | 291-335 | 44 | 3.4E-04 | 9.6E-01 | 0.2 | -- | 0.4 | -- | -- | -- | -- |
| MW-67 | 134 | 107.62 | -93.6 | less-open | 57 | 210 | 197 | 107 | 5 | S | 166-200 | 34 | 3.4E-04 | 9.6E-01 | 0.2 | -- | -- | -- | -- | 5.2 | -- |
| MW-67 | 135 | 108.31 | -94.3 | open | 65 | 351 | 338 | 248 | 6 | N | 336-21 | 45 | 3.4E-04 | 9.6E-01 | 0.7 | -- | -- | -- | -- | -- | 3.1 |
| MW-67 | 136 | 108.36 | -94.3 | less-open | 30 | 192 | 179 | 89 | NSR | NSR | NSR | NSR | 3.4E-04 | 9.6E-01 | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-67 | 137 | 108.48 | -94.5 | less-open | 44 | 208 | 195 | 105 | 5 | S | 166-200 | 34 | 3.4E-04 | 9.6E-01 | 0.1 | -- | -- | -- | -- | 0.9 | -- |
| MW-67 | 138 | 109 | -95.0 | less-open | 27 | 173 | 160 | 70 | NSR | NSR | NSR | NSR | 3.4E-04 | 9.6E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-67 | 139 | 109.37 | -95.3 | less-open | 66 | 352 | 339 | 249 | 6 | N | 336-21 | 45 | 3.4E-04 | 9.6E-01 | 0.4 | -- | -- | -- | -- | -- | 1.1 |
| MW-67 | 140 | 109.55 | -95.5 | less-open | 35 | 121 | 108 | 18 | 3 | E | 70-115 | 45 | 3.4E-04 | 9.6E-01 | 0.2 | -- | -- | 2.4 | -- | -- | -- |
| MW-67 | 141 | 109.72 | -95.7 | less-open | 68 | 118 | 105 | 15 | 3 | E | 70-115 | 45 | 3.4E-04 | 9.6E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | | ft/day | | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-67 | 142 | 110.42 | -96.4 | less-open | 6 | 29 | 16 | 286 | NSR | NSR | NSR | NSR | 3.4E-04 | | 9.6E-01 | | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-67 | 143 | 110.53 | -96.5 | less-open | 9 | 49 | 36 | 306 | NSR | NSR | NSR | NSR | 3.4E-04 | | 9.6E-01 | | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-67 | 144 | 112.27 | -98.2 | less-open | 76 | 354 | 341 | 251 | 6 | N | 336-21 | 45 | 3.4E-04 | | 9.6E-01 | | 1.7 | -- | -- | -- | -- | -- | 2.9 |
| MW-67 | 145 | 112.28 | -98.3 | less-open | 66 | 312 | 299 | 209 | 2 | NW | 291-335 | 44 | 3.4E-04 | | 9.6E-01 | | 0.0 | -- | 4.9 | -- | -- | -- | -- |
| MW-67 | 146 | 112.68 | -98.7 | less-open | 71 | 350 | 337 | 247 | 6 | N | 336-21 | 45 | 3.4E-04 | | 9.6E-01 | | 0.4 | -- | -- | -- | -- | -- | 0.4 |
| MW-67 | 147 | 112.99 | -99.0 | less-open | 72 | 346 | 333 | 243 | 2 | NW | 291-335 | 44 | 3.4E-04 | | 9.6E-01 | | 0.3 | -- | 0.7 | -- | -- | -- | -- |
| MW-67 | 148 | 113.18 | -99.2 | less-open | 67 | 343 | 330 | 240 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-67 | 149 | 113.24 | -99.2 | less-open | 41 | 216 | 203 | 113 | NSR | NSR | NSR | NSR | TNP | | TNP | | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-67 | 150 | 114.56 | -100.5 | less-open | 62 | 348 | 335 | 245 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 1.3 | -- | 1.4 | -- | -- | -- | -- |
| MW-67 | 151 | 115.13 | -101.1 | less-open | 32 | 155 | 142 | 52 | NSR | NSR | NSR | NSR | TNP | | TNP | | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-67 | 152 | 115.27 | -101.2 | less-open | 64 | 334 | 321 | 231 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 0.1 | -- | 0.7 | -- | -- | -- | -- |
| MW-67 | 153 | 115.99 | -102.0 | less-open | 52 | 140 | 127 | 37 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.7 | 11.8 | -- | -- | -- | -- | -- |
| MW-67 | 154 | 116.04 | -102.0 | less-open | 63 | 305 | 292 | 202 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 0.1 | -- | 0.8 | -- | -- | -- | -- |
| MW-67 | 155 | 116.04 | -102.0 | less-open | 62 | 342 | 329 | 239 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 0.0 | -- | 0.0 | -- | -- | -- | -- |
| MW-67 | 156 | 116.8 | -102.8 | less-open | 56 | 332 | 319 | 229 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 0.8 | -- | 0.8 | -- | -- | -- | -- |
| MW-67 | 157 | 117.03 | -103.0 | less-open | 47 | 334 | 321 | 231 | 2 | NW | 291-335 | 44 | 7.1E-05 | | 2.0E-01 | | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-67 | 158 | 117.2 | -103.2 | less-open | 38 | 323 | 310 | 220 | 2 | NW | 291-335 | 44 | 7.1E-05 | | 2.0E-01 | | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-67 | 159 | 118.85 | -104.8 | less-open | 58 | 315 | 302 | 212 | 2 | NW | 291-335 | 44 | 7.1E-05 | | 2.0E-01 | | 1.6 | -- | 1.6 | -- | -- | -- | -- |
| MW-67 | 160 | 120.13 | -106.1 | less-open | 52 | 325 | 312 | 222 | 2 | NW | 291-335 | 44 | 7.1E-05 | | 2.0E-01 | | 1.3 | -- | 1.3 | -- | -- | -- | -- |
| MW-67 | 161 | 120.85 | -106.8 | less-open | 64 | 76 | 63 | 333 | NSR | NSR | NSR | NSR | 7.1E-05 | | 2.0E-01 | | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-67 | 162 | 121.48 | -107.5 | less-open | 65 | 75 | 62 | 332 | NSR | NSR | NSR | NSR | 7.1E-05 | | 2.0E-01 | | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-67 | 163 | 121.97 | -107.9 | less-open | 64 | 105 | 92 | 2 | 3 | E | 70-115 | 45 | 7.1E-05 | | 2.0E-01 | | 0.5 | -- | -- | 12.3 | -- | -- | -- |
| MW-67 | 164 | 122.32 | -108.3 | less-open | 81 | 354 | 341 | 251 | 6 | N | 336-21 | 45 | 7.1E-05 | | 2.0E-01 | | 0.3 | -- | -- | -- | -- | -- | 9.6 |
| MW-67 | 165 | 122.56 | -108.5 | less-open | 75 | 211 | 198 | 108 | 5 | S | 166-200 | 34 | 7.1E-05 | | 2.0E-01 | | 0.2 | -- | -- | -- | -- | 14.1 | -- |
| MW-67 | 166 | 122.97 | -108.9 | less-open | 74 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | 7.1E-05 | | 2.0E-01 | | 0.4 | -- | -- | 1.0 | -- | -- | -- |
| MW-67 | 167 | 123.33 | -109.3 | less-open | 52 | 359 | 346 | 256 | 6 | N | 336-21 | 45 | 7.1E-05 | | 2.0E-01 | | 0.4 | -- | -- | -- | -- | -- | 1.0 |
| MW-67 | 168 | 124.1 | -110.1 | less-open | 48 | 315 | 302 | 212 | 2 | NW | 291-335 | 44 | 7.1E-05 | | 2.0E-01 | | 0.8 | -- | 4.0 | -- | -- | -- | -- |
| MW-67 | 169 | 124.52 | -110.5 | less-open | 73 | 188 | 175 | 85 | 5 | S | 166-200 | 34 | 7.1E-05 | | 2.0E-01 | | 0.4 | -- | -- | -- | -- | 2.0 | -- |
| MW-67 | 170 | 124.66 | -110.6 | less-open | 64 | 303 | 290 | 200 | 4 | W | 245-290 | 45 | 7.1E-05 | | 2.0E-01 | | 0.1 | -- | -- | -- | 31.4 | -- | -- |
| MW-67 | 171 | 125.41 | -111.4 | less-open | 38 | 306 | 293 | 203 | 2 | NW | 291-335 | 44 | 7.1E-05 | | 2.0E-01 | | 0.8 | -- | 1.3 | -- | -- | -- | -- |
| MW-67 | 172 | 125.5 | -111.5 | less-open | 41 | 309 | 296 | 206 | 2 | NW | 291-335 | 44 | 7.1E-05 | | 2.0E-01 | | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-67 | 173 | 125.64 | -111.6 | less-open | 38 | 169 | 156 | 66 | 1 | SE | 116-165 | 49 | 7.1E-05 | | 2.0E-01 | | 0.1 | 9.7 | -- | -- | -- | -- | -- |
| MW-67 | 174 | 125.86 | -111.8 | less-open | 65 | 106 | 93 | 3 | 3 | E | 70-115 | 45 | 7.1E-05 | | 2.0E-01 | | 0.2 | -- | -- | 2.9 | -- | -- | -- |
| MW-67 | 175 | 127.43 | -113.4 | less-open | 40 | 350 | 337 | 247 | 6 | N | 336-21 | 45 | 7.1E-05 | | 2.0E-01 | | 1.6 | -- | -- | -- | -- | -- | 4.1 |
| MW-67 | 176 | 128.1 | -114.1 | less-open | 70 | 225 | 212 | 122 | NSR | NSR | NSR | NSR | 7.1E-05 | 1.2E-04 | 2.0E-01 | 3.4E-01 | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-67 | 177 | 130.01 | -116.0 | less-open | 31 | 341 | 328 | 238 | NSR | NSR | NSR | NSR | 7.1E-05 | 1.2E-04 | 2.0E-01 | 3.4E-01 | 1.9 | -- | -- | -- | -- | -- | -- |
| MW-67 | 178 | 130.59 | -116.6 | less-open | 70 | 178 | 165 | 75 | 1 | SE | 116-165 | 49 | 7.1E-05 | 1.2E-04 | 2.0E-01 | 3.4E-01 | 0.6 | 5.0 | -- | -- | -- | -- | -- |
| MW-67 | 179 | 130.71 | -116.7 | less-open | 37 | 317 | 304 | 214 | 2 | NW | 291-335 | 44 | 7.1E-05 | 1.2E-04 | 2.0E-01 | 3.4E-01 | 0.1 | -- | 5.2 | -- | -- | -- | -- |
| MW-67 | 180 | 130.83 | -116.8 | less-open | 71 | 177 | 164 | 74 | 1 | SE | 116-165 | 49 | 7.1E-05 | 1.2E-04 | 2.0E-01 | 3.4E-01 | 0.1 | 0.2 | -- | -- | -- | -- | -- |
| MW-67 | 181 | 131.18 | -117.2 | less-open | 76 | 168 | 155 | 65 | 1 | SE | 116-165 | 49 | 7.1E-05 | 1.2E-04 | 2.0E-01 | 3.4E-01 | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-67 | 182 | 131.76 | -117.7 | less-open | 69 | 183 | 170 | 80 | 5 | S | 166-200 | 34 | 7.1E-05 | 1.2E-04 | 2.0E-01 | 3.4E-01 | 0.6 | -- | -- | -- | -- | 7.2 | -- |
| MW-67 | 183 | 133.27 | -119.2 | less-open | 71 | 174 | 161 | 71 | 1 | SE | 116-165 | 49 | 1.9E-04 | 1.2E-04 | 5.3E-01 | 3.4E-01 | 1.5 | 2.1 | -- | -- | -- | -- | -- |
| MW-67 | 184 | 134.59 | -120.6 | less-open | 37 | 17 | 4 | 274 | 6 | N | 336-21 | 45 | 1.9E-04 | 1.2E-04 | 5.3E-01 | 3.4E-01 | 1.3 | -- | -- | -- | -- | -- | 7.2 |
| MW-67 | 185 | 135.11 | -121.1 | less-open | 75 | 177 | 164 | 74 | 1 | SE | 116-165 | 49 | 1.9E-04 | 1.2E-04 | 5.3E-01 | 3.4E-01 | 0.5 | 1.8 | -- | -- | -- | -- | -- |
| MW-67 | 186 | 135.36 | -121.3 | less-open | 35 | 346 | 333 | 243 | 2 | NW | 291-335 | 44 | 1.9E-04 | 1.2E-04 | 5.3E-01 | 3.4E-01 | 0.3 | -- | 4.7 | -- | -- | -- | -- |
| MW-67 | 187 | 136.09 | -122.1 | less-open | 74 | 183 | 170 | 80 | 5 | S | 166-200 | 34 | 1.9E-04 | 1.2E-04 | 5.3E-01 | 3.4E-01 | 0.7 | -- | -- | -- | -- | 4.3 | -- |
| MW-67 | 188 | 136.51 | -122.5 | less-open | 74 | 176 | 163 | 73 | 1 | SE | 116-165 | 49 | 1.9E-04 | 1.2E-04 | 5.3E-01 | 3.4E-01 | 0.4 | 1.4 | -- | -- | -- | -- | -- |
| MW-67 | 189 | 136.6 | -122.6 | less-open | 47 | 334 | 321 | 231 | 2 | NW | 291-335 | 44 | 1.9E-04 | 1.2E-04 | 5.3E-01 | 3.4E-01 | 0.1 | -- | 1.2 | -- | -- | -- | -- |
| MW-67 | 190 | 136.83 | -122.8 | less-open | 70 | 192 | 179 | 89 | 5 | S | 166-200 | 34 | 1.9E-04 | 1.2E-04 | 5.3E-01 | 3.4E-01 | 0.2 | -- | -- | -- | -- | 0.7 | -- |
| MW-67 | 191 | 137.64 | -123.6 | less-open | 70 | 185 | 172 | 82 | 5 | S | 166-200 | 34 | 1.9E-04 | 1.2E-04 | 5.3E-01 | 3.4E-01 | 0.8 | -- | -- | -- | -- | 0.8 | -- |
| MW-67 | 192 | 137.85 | -123.8 | less-open | 68 | 184 | 171 | 81 | 5 | S | 166-200 | 34 | 1.9E-04 | 1.2E-04 | 5.3E-01 | 3.4E-01 | 0.2 | -- | -- | -- | -- | 0.2 | -- |
| MW-67 | 193 | 138.38 | -124.4 | less-open | 67 | 244 | 231 | 141 | NSR | NSR | NSR | NSR | 1.9E-04 | 1.2E-04 | 5.3E-01 | 3.4E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-67 | 194 | 138.95 | -124.9 | less-open | 57 | 240 | 227 | 137 | NSR | NSR | NSR | NSR | 1.9E-04 | 1.2E-04 | 5.3E-01 | 3.4E-01 | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-67 | 195 | 140.07 | -126.0 | less-open | 71 | 170 | 157 | 67 | 1 | SE | 116-165 | 49 | 1.9E-04 | 1.2E-04 | 5.3E-01 | 3.4E-01 | 1.1 | 3.6 | -- | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | | ft/day | | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-67 | 196 | 140.49 | -126.5 | less-open | 14 | 204 | 191 | 101 | NSR | NSR | NSR | NSR | 1.9E-04 | 1.2E-04 | 5.3E-01 | 3.4E-01 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-67 | 197 | 140.99 | -127.0 | less-open | 48 | 197 | 184 | 94 | 5 | S | 166-200 | 34 | 1.9E-04 | 1.2E-04 | 5.3E-01 | 3.4E-01 | 0.5 | -- | -- | -- | -- | 3.1 | -- |
| MW-67 | 198 | 141.34 | -127.3 | less-open | 45 | 204 | 191 | 101 | 5 | S | 166-200 | 34 | 1.9E-04 | 1.2E-04 | 5.3E-01 | 3.4E-01 | 0.3 | -- | -- | -- | -- | 0.3 | -- |
| MW-67 | 199 | 141.81 | -127.8 | less-open | 64 | 10 | 357 | 267 | 6 | N | 336-21 | 45 | 1.9E-04 | 1.2E-04 | 5.3E-01 | 3.4E-01 | 0.5 | -- | -- | -- | -- | -- | 7.2 |
| MW-67 | 200 | 142.07 | -128.0 | less-open | 49 | 113 | 100 | 10 | 3 | E | 70-115 | 45 | 1.9E-04 | 1.2E-04 | 5.3E-01 | 3.4E-01 | 0.3 | -- | -- | 16.2 | -- | -- | -- |
| MW-67 | 201 | 142.37 | -128.3 | less-open | 80 | 3 | 350 | 260 | 6 | N | 336-21 | 45 | 1.9E-04 | 1.2E-04 | 5.3E-01 | 3.4E-01 | 0.3 | -- | -- | -- | -- | -- | 0.6 |
| MW-67 | 202 | 143.37 | -129.3 | less-open | 81 | 357 | 344 | 254 | 6 | N | 336-21 | 45 | 1.9E-04 | | 5.3E-01 | | 1.0 | -- | -- | -- | -- | -- | 1.0 |
| MW-67 | 203 | 144.77 | -130.7 | less-open | 52 | 345 | 332 | 242 | 2 | NW | 291-335 | 44 | 1.9E-04 | | 5.3E-01 | | 1.4 | -- | 8.2 | -- | -- | -- | -- |
| MW-67 | 204 | 145.31 | -131.3 | less-open | 49 | 340 | 327 | 237 | 2 | NW | 291-335 | 44 | 1.9E-04 | | 5.3E-01 | | 0.5 | -- | 0.5 | -- | -- | -- | -- |
| MW-67 | 205 | 146.19 | -132.2 | less-open | 74 | 337 | 324 | 234 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 0.9 | -- | 0.9 | -- | -- | -- | -- |
| MW-67 | 206 | 147.42 | -133.4 | less-open | 51 | 135 | 122 | 32 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 1.2 | 7.3 | -- | -- | -- | -- | -- |
| MW-67 | 207 | 148.03 | -134.0 | less-open | 52 | 135 | 122 | 32 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.6 | 0.6 | -- | -- | -- | -- | -- |
| MW-67 | 208 | 148.44 | -134.4 | less-open | 55 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | TNP | | TNP | | 0.4 | -- | -- | 6.4 | -- | -- | -- |
| MW-67 | 209 | 148.94 | -134.9 | less-open | 47 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.5 | 0.9 | -- | -- | -- | -- | -- |
| MW-67 | 210 | 149.37 | -135.3 | less-open | 45 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | TNP | | TNP | | 0.4 | -- | -- | 0.9 | -- | -- | -- |
| MW-67 | 211 | 149.49 | -135.5 | less-open | 41 | 320 | 307 | 217 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 0.1 | -- | 3.3 | -- | -- | -- | -- |
| MW-67 | 212 | 149.57 | -135.5 | less-open | 48 | 141 | 128 | 38 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.1 | 0.6 | -- | -- | -- | -- | -- |
| MW-67 | 213 | 149.82 | -135.8 | less-open | 57 | 126 | 113 | 23 | 3 | E | 70-115 | 45 | TNP | | TNP | | 0.3 | -- | -- | 0.4 | -- | -- | -- |
| MW-67 | 214 | 150.44 | -136.4 | less-open | 49 | 306 | 293 | 203 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 0.6 | -- | 0.9 | -- | -- | -- | -- |
| MW-67 | 215 | 150.84 | -136.8 | less-open | 47 | 187 | 174 | 84 | 5 | S | 166-200 | 34 | TNP | | TNP | | 0.4 | -- | -- | -- | -- | 9.5 | -- |
| MW-67 | 216 | 154.45 | -140.4 | less-open | 43 | 340 | 327 | 237 | 2 | NW | 291-335 | 44 | 4.9E-05 | | 1.4E-01 | | 3.6 | -- | 4.0 | -- | -- | -- | -- |
| MW-67 | 217 | 156.42 | -142.4 | less-open | 35 | 191 | 178 | 88 | 5 | S | 166-200 | 34 | 4.9E-05 | | 1.4E-01 | | 2.0 | -- | -- | -- | -- | 5.6 | -- |
| MW-67 | 218 | 156.77 | -142.7 | less-open | 55 | 176 | 163 | 73 | 1 | SE | 116-165 | 49 | 4.9E-05 | | 1.4E-01 | | 0.4 | 7.2 | -- | -- | -- | -- | -- |
| MW-67 | 219 | 157.68 | -143.7 | less-open | 73 | 1 | 348 | 258 | 6 | N | 336-21 | 45 | 4.9E-05 | | 1.4E-01 | | 0.9 | -- | -- | -- | -- | -- | 14.3 |
| MW-67 | 220 | 158.63 | -144.6 | less-open | 54 | 188 | 175 | 85 | 5 | S | 166-200 | 34 | 4.9E-05 | | 1.4E-01 | | 0.9 | -- | -- | -- | -- | 2.2 | -- |
| MW-67 | 221 | 158.92 | -144.9 | less-open | 72 | 347 | 334 | 244 | 2 | NW | 291-335 | 44 | 4.9E-05 | | 1.4E-01 | | 0.3 | -- | 4.5 | -- | -- | -- | -- |
| MW-67 | 222 | 159.12 | -145.1 | less-open | 39 | 226 | 213 | 123 | NSR | NSR | NSR | NSR | 4.9E-05 | | 1.4E-01 | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-67 | 223 | 159.52 | -145.5 | less-open | 58 | 211 | 198 | 108 | 5 | S | 166-200 | 34 | 4.9E-05 | | 1.4E-01 | | 0.4 | -- | -- | -- | -- | 0.9 | -- |
| MW-67 | 224 | 159.79 | -145.8 | less-open | 27 | 268 | 255 | 165 | NSR | NSR | NSR | NSR | 4.9E-05 | | 1.4E-01 | | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-67 | 225 | 159.92 | -145.9 | less-open | 27 | 254 | 241 | 151 | NSR | NSR | NSR | NSR | 4.9E-05 | | 1.4E-01 | | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-67 | 226 | 160.54 | -146.5 | less-open | 57 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | 4.9E-05 | | 1.4E-01 | | 0.6 | -- | -- | 10.7 | -- | -- | -- |
| MW-67 | 227 | 160.83 | -146.8 | less-open | 59 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | 4.9E-05 | | 1.4E-01 | | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-67 | 228 | 160.83 | -146.8 | less-open | 78 | 182 | 169 | 79 | 5 | S | 166-200 | 34 | 4.9E-05 | | 1.4E-01 | | 0.0 | -- | -- | -- | -- | 1.3 | -- |
| MW-67 | 229 | 160.83 | -146.8 | less-open | 29 | 292 | 279 | 189 | NSR | NSR | NSR | NSR | 4.9E-05 | | 1.4E-01 | | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-67 | 230 | 160.97 | -146.9 | less-open | 67 | 193 | 180 | 90 | 5 | S | 166-200 | 34 | 4.9E-05 | | 1.4E-01 | | 0.1 | -- | -- | -- | -- | 0.1 | -- |
| MW-67 | 231 | 161.46 | -147.4 | less-open | 54 | 199 | 186 | 96 | 5 | S | 166-200 | 34 | 4.9E-05 | | 1.4E-01 | | 0.5 | -- | -- | -- | -- | 0.5 | -- |
| MW-67 | 232 | 161.73 | -147.7 | less-open | 64 | 198 | 185 | 95 | 5 | S | 166-200 | 34 | 4.9E-05 | | 1.4E-01 | | 0.3 | -- | -- | -- | -- | 0.3 | -- |
| MW-67 | 233 | 161.82 | -147.8 | less-open | 58 | 219 | 206 | 116 | NSR | NSR | NSR | NSR | 4.9E-05 | | 1.4E-01 | | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-67 | 234 | 161.99 | -148.0 | less-open | 68 | 129 | 116 | 26 | 1 | SE | 116-165 | 49 | 4.9E-05 | | 1.4E-01 | | 0.2 | 5.2 | -- | -- | -- | -- | -- |
| MW-67 | 235 | 162.3 | -148.3 | less-open | 58 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | 4.9E-05 | | 1.4E-01 | | 0.3 | -- | -- | 1.5 | -- | -- | -- |
| MW-67 | 236 | 163.27 | -149.2 | less-open | 77 | 172 | 159 | 69 | 1 | SE | 116-165 | 49 | 4.9E-05 | | 1.4E-01 | | 1.0 | 1.3 | -- | -- | -- | -- | -- |
| MW-67 | 237 | 163.87 | -149.8 | less-open | 27 | 339 | 326 | 236 | NSR | NSR | NSR | NSR | 4.9E-05 | | 1.4E-01 | | 0.6 | -- | -- | -- | -- | -- | -- |
| MW-67 | 238 | 164.42 | -150.4 | less-open | 24 | 172 | 159 | 69 | NSR | NSR | NSR | NSR | 4.9E-05 | | 1.4E-01 | | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-67 | 239 | 165.78 | -151.8 | less-open | 31 | 169 | 156 | 66 | NSR | NSR | NSR | NSR | 4.9E-05 | | 1.4E-01 | | 1.4 | -- | -- | -- | -- | -- | -- |
| MW-67 | 240 | 166.02 | -152.0 | less-open | 61 | 284 | 271 | 181 | 4 | W | 245-290 | 45 | TNP | | TNP | | 0.2 | -- | -- | -- | 41.4 | -- | -- |
| MW-67 | 241 | 166.38 | -152.4 | less-open | 56 | 3 | 350 | 260 | 6 | N | 336-21 | 45 | TNP | | TNP | | 0.4 | -- | -- | -- | -- | -- | 8.7 |
| MW-67 | 242 | 166.47 | -152.4 | less-open | 49 | 180 | 167 | 77 | 5 | S | 166-200 | 34 | TNP | | TNP | | 0.1 | -- | -- | -- | -- | 4.7 | -- |
| MW-67 | 243 | 167.12 | -153.1 | less-open | 53 | 225 | 212 | 122 | NSR | NSR | NSR | NSR | TNP | | TNP | | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-67 | 244 | 167.9 | -153.9 | less-open | 58 | 171 | 158 | 68 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.8 | 4.6 | -- | -- | -- | -- | -- |
| MW-67 | 245 | 168.36 | -154.3 | less-open | 46 | 233 | 220 | 130 | NSR | NSR | NSR | NSR | TNP | | TNP | | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-67 | 246 | 168.86 | -154.8 | less-open | 36 | 9 | 356 | 266 | 6 | N | 336-21 | 45 | TNP | | TNP | | 0.5 | -- | -- | -- | -- | -- | 2.5 |
| MW-67 | 247 | 170.74 | -156.7 | less-open | 75 | 347 | 334 | 244 | 2 | NW | 291-335 | 44 | 5.6E-05 | | 1.6E-01 | | 1.9 | -- | 11.8 | -- | -- | -- | -- |
| MW-67 | 248 | 171.11 | -157.1 | less-open | 26 | 291 | 278 | 188 | NSR | NSR | NSR | NSR | 5.6E-05 | | 1.6E-01 | | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-67 | 249 | 173.3 | -159.3 | less-open | 70 | 312 | 299 | 209 | 2 | NW | 291-335 | 44 | 5.6E-05 | | 1.6E-01 | | 2.2 | -- | 2.6 | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-67 | 250 | 173.37 | -159.3 | less-open | 69 | 99 | 86 | 356 | 3 | E | 70-115 | 45 | 5.6E-05 | 1.6E-01 | 0.1 | -- | -- | 11.1 | -- | -- | -- |
| MW-67 | 251 | 174.02 | -160.0 | less-open | 68 | 292 | 279 | 189 | 4 | W | 245-290 | 45 | 5.6E-05 | 1.6E-01 | 0.7 | -- | -- | -- | 8.0 | -- | -- |
| MW-67 | 252 | 174.84 | -160.8 | less-open | 70 | 289 | 276 | 186 | 4 | W | 245-290 | 45 | 5.6E-05 | 1.6E-01 | 0.8 | -- | -- | -- | 0.8 | -- | -- |
| MW-67 | 253 | 175.07 | -161.0 | less-open | 46 | 2 | 349 | 259 | 6 | N | 336-21 | 45 | 5.6E-05 | 1.6E-01 | 0.2 | -- | -- | -- | -- | -- | 6.2 |
| MW-67 | 254 | 175.4 | -161.4 | less-open | 66 | 97 | 84 | 354 | 3 | E | 70-115 | 45 | 5.6E-05 | 1.6E-01 | 0.3 | -- | -- | 2.0 | -- | -- | -- |
| MW-67 | 255 | 175.8 | -161.8 | less-open | 65 | 98 | 85 | 355 | 3 | E | 70-115 | 45 | 5.6E-05 | 1.6E-01 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-67 | 256 | 176.32 | -162.3 | less-open | 79 | 286 | 273 | 183 | 4 | W | 245-290 | 45 | 5.6E-05 | 1.6E-01 | 0.5 | -- | -- | -- | 1.5 | -- | -- |
| MW-67 | 257 | 176.37 | -162.3 | less-open | 49 | 105 | 92 | 2 | 3 | E | 70-115 | 45 | 5.6E-05 | 1.6E-01 | 0.1 | -- | -- | 0.6 | -- | -- | -- |
| MW-67 | 258 | 176.71 | -162.7 | less-open | 52 | 99 | 86 | 356 | 3 | E | 70-115 | 45 | 5.6E-05 | 1.6E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-67 | 259 | 176.75 | -162.7 | less-open | 56 | 297 | 284 | 194 | 4 | W | 245-290 | 45 | 5.6E-05 | 1.6E-01 | 0.0 | -- | -- | -- | 0.4 | -- | -- |
| MW-67 | 260 | 177.1 | -163.1 | less-open | 83 | 299 | 286 | 196 | NSR | NSR | NSR | NSR | 5.6E-05 | 1.6E-01 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-67 | 261 | 178.98 | -165.0 | less-open | 27 | 130 | 117 | 27 | NSR | NSR | NSR | NSR | 5.6E-05 | 1.6E-01 | 1.9 | -- | -- | -- | -- | -- | -- |
| MW-67 | 262 | 179.14 | -165.1 | less-open | 24 | 205 | 192 | 102 | NSR | NSR | NSR | NSR | 5.6E-05 | 1.6E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-67 | 263 | 179.62 | -165.6 | less-open | 60 | 129 | 116 | 26 | 1 | SE | 116-165 | 49 | 5.6E-05 | 1.6E-01 | 0.5 | 11.7 | -- | -- | -- | -- | -- |
| MW-67 | 264 | 180.05 | -166.0 | less-open | 65 | 110 | 97 | 7 | 3 | E | 70-115 | 45 | 5.6E-05 | 1.6E-01 | 0.4 | -- | -- | 3.3 | -- | -- | -- |
| MW-67 | 265 | 180.14 | -166.1 | less-open | 65 | 113 | 100 | 10 | 3 | E | 70-115 | 45 | 5.6E-05 | 1.6E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-67 | 266 | 180.98 | -167.0 | less-open | 61 | 101 | 88 | 358 | 3 | E | 70-115 | 45 | 5.6E-05 | 1.6E-01 | 0.8 | -- | -- | 0.8 | -- | -- | -- |
| MW-67 | 267 | 181.27 | -167.2 | less-open | 35 | 104 | 91 | 1 | 3 | E | 70-115 | 45 | 5.6E-05 | 1.6E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-67 | 268 | 181.47 | -167.4 | less-open | 73 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | 5.6E-05 | 1.6E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-67 | 269 | 182.81 | -168.8 | less-open | 58 | 314 | 301 | 211 | 2 | NW | 291-335 | 44 | 5.6E-05 | 1.6E-01 | 1.3 | -- | 9.5 | -- | -- | -- | -- |
| MW-67 | 270 | 183.4 | -169.4 | less-open | 76 | 324 | 311 | 221 | 2 | NW | 291-335 | 44 | 5.6E-05 | 1.6E-01 | 0.6 | -- | 0.6 | -- | -- | -- | -- |
| MW-67 | 271 | 184.36 | -170.3 | less-open | 64 | 294 | 281 | 191 | 4 | W | 245-290 | 45 | 5.6E-05 | 1.6E-01 | 1.0 | -- | -- | -- | 7.6 | -- | -- |
| MW-67 | 272 | 184.66 | -170.6 | less-open | 75 | 332 | 319 | 229 | 2 | NW | 291-335 | 44 | 5.6E-05 | 1.6E-01 | 0.3 | -- | 1.3 | -- | -- | -- | -- |
| MW-67 | 273 | 186.3 | -172.3 | less-open | 59 | 329 | 316 | 226 | 2 | NW | 291-335 | 44 | TNP | TNP | 1.6 | -- | 1.6 | -- | -- | -- | -- |
| MW-67 | 274 | 187.1 | -173.1 | less-open | 70 | 111 | 98 | 8 | 3 | E | 70-115 | 45 | TNP | TNP | 0.8 | -- | -- | 5.6 | -- | -- | -- |
| MW-67 | 275 | 187.45 | -173.4 | less-open | 54 | 323 | 310 | 220 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.3 | -- | 1.1 | -- | -- | -- | -- |
| MW-67 | 276 | 188.04 | -174.0 | less-open | 39 | 326 | 313 | 223 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.6 | -- | 0.6 | -- | -- | -- | -- |
| MW-67 | 277 | 188.4 | -174.4 | less-open | 43 | 146 | 133 | 43 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.4 | 8.8 | -- | -- | -- | -- | -- |
| MW-67 | 278 | 188.51 | -174.5 | less-open | 33 | 326 | 313 | 223 | NSR | NSR | NSR | NSR | TNP | TNP | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-67 | 279 | 188.78 | -174.8 | less-open | 67 | 94 | 81 | 351 | 3 | E | 70-115 | 45 | TNP | TNP | 0.3 | -- | -- | 1.7 | -- | -- | -- |
| MW-67 | 280 | 190.61 | -176.6 | less-open | 71 | 129 | 116 | 26 | 1 | SE | 116-165 | 49 | TNP | TNP | 1.8 | 2.2 | -- | -- | -- | -- | -- |
| MW-67 | 281 | 190.63 | -176.6 | less-open | 65 | 124 | 111 | 21 | 3 | E | 70-115 | 45 | TNP | TNP | 0.0 | -- | -- | 1.8 | -- | -- | -- |
| MW-67 | 282 | 190.83 | -176.8 | less-open | 70 | 348 | 335 | 245 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.2 | -- | 2.8 | -- | -- | -- | -- |
| MW-67 | 283 | 191.14 | -177.1 | less-open | 44 | 305 | 292 | 202 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-67 | 284 | 192.68 | -178.7 | less-open | 50 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | TNP | TNP | 1.5 | -- | -- | 2.1 | -- | -- | -- |
| MW-67 | 285 | 192.71 | -178.7 | less-open | 54 | 301 | 288 | 198 | 4 | W | 245-290 | 45 | TNP | TNP | 0.0 | -- | -- | -- | 8.3 | -- | -- |
| MW-67 | 286 | 193 | -179.0 | less-open | 53 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | TNP | TNP | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-67 | 287 | 193.18 | -179.2 | less-open | 62 | 127 | 114 | 24 | 3 | E | 70-115 | 45 | TNP | TNP | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-67 | 288 | 193.4 | -179.4 | less-open | 66 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | TNP | TNP | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-67 | 289 | 193.67 | -179.6 | less-open | 67 | 103 | 90 | 360 | 3 | E | 70-115 | 45 | TNP | TNP | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-67 | 290 | 193.98 | -180.0 | less-open | 61 | 101 | 88 | 358 | 3 | E | 70-115 | 45 | TNP | TNP | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-67 | 291 | 194.33 | -180.3 | less-open | 64 | 330 | 317 | 227 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.4 | -- | 3.2 | -- | -- | -- | -- |
| MW-67 | 292 | 194.84 | -180.8 | less-open | 64 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | TNP | TNP | 0.5 | -- | -- | 0.9 | -- | -- | -- |
| MW-67 | 293 | 195.16 | -181.1 | less-open | 68 | 298 | 285 | 195 | 4 | W | 245-290 | 45 | TNP | TNP | 0.3 | -- | -- | -- | 2.4 | -- | -- |
| MW-67 | 294 | 195.27 | -181.2 | less-open | 61 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | TNP | TNP | 0.1 | -- | -- | 0.4 | -- | -- | -- |
| MW-67 | 295 | 196.97 | -182.9 | less-open | 42 | 336 | 323 | 233 | 2 | NW | 291-335 | 44 | TNP | TNP | 1.7 | -- | 2.6 | -- | -- | -- | -- |
| MW-67 | 296 | 197.37 | -183.3 | less-open | 52 | 335 | 322 | 232 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.4 | -- | 0.4 | -- | -- | -- | -- |
| MW-67 | 297 | 197.93 | -183.9 | less-open | 66 | 5 | 352 | 262 | 6 | N | 336-21 | 45 | TNP | TNP | 0.6 | -- | -- | -- | -- | -- | 22.9 |
| MW-67 | 298 | 198.49 | -184.5 | less-open | 67 | 327 | 314 | 224 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.6 | -- | 1.1 | -- | -- | -- | -- |
| MW-67 | 299 | 198.82 | -184.8 | less-open | 59 | 346 | 333 | 243 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-67 | 300 | 198.99 | -185.0 | less-open | 55 | 324 | 311 | 221 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-67 | 301 | 199.33 | -185.3 | less-open | 57 | 307 | 294 | 204 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-67 | 302 | 201.26 | -187.2 | less-open | 44 | 331 | 318 | 228 | 2 | NW | 291-335 | 44 | 1.0E-04 | 2.9E-01 | 1.9 | -- | 1.9 | -- | -- | -- | -- |
| MW-67 | 303 | 203.52 | -189.5 | less-open | 66 | 342 | 329 | 239 | 2 | NW | 291-335 | 44 | 1.0E-04 | 2.9E-01 | 2.3 | -- | 2.3 | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-67 | 304 | 203.65 | -189.6 | less-open | 68 | 330 | 317 | 227 | 2 | NW | 291-335 | 44 | 1.0E-04 | 2.9E-01 | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-67 | 305 | 204.51 | -190.5 | less-open | 42 | 326 | 313 | 223 | 2 | NW | 291-335 | 44 | 1.0E-04 | 2.9E-01 | 0.9 | -- | 0.9 | -- | -- | -- | -- |
| MW-67 | 306 | 206.48 | -192.5 | less-open | 60 | 342 | 329 | 239 | 2 | NW | 291-335 | 44 | 1.0E-04 | 2.9E-01 | 2.0 | -- | 2.0 | -- | -- | -- | -- |
| MW-67 | 307 | 206.88 | -192.9 | less-open | 55 | 331 | 318 | 228 | 2 | NW | 291-335 | 44 | 1.0E-04 | 2.9E-01 | 0.4 | -- | 0.4 | -- | -- | -- | -- |
| MW-67 | 308 | 207.55 | -193.5 | less-open | 29 | 317 | 304 | 214 | NSR | NSR | NSR | NSR | 1.0E-04 | 2.9E-01 | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-67 | 309 | 207.72 | -193.7 | less-open | 46 | 315 | 302 | 212 | 2 | NW | 291-335 | 44 | 1.0E-04 | 2.9E-01 | 0.2 | -- | 0.8 | -- | -- | -- | -- |
| MW-67 | 310 | 207.83 | -193.8 | less-open | 40 | 7 | 354 | 264 | 6 | N | 336-21 | 45 | 1.0E-04 | 2.9E-01 | 0.1 | -- | -- | -- | -- | -- | 9.9 |
| MW-67 | 311 | 208.58 | -194.6 | less-open | 40 | 349 | 336 | 246 | 6 | N | 336-21 | 45 | 1.0E-04 | 2.9E-01 | 0.8 | -- | -- | -- | -- | -- | 0.8 |
| MW-67 | 312 | 208.71 | -194.7 | less-open | 38 | 349 | 336 | 246 | 6 | N | 336-21 | 45 | 1.0E-04 | 2.9E-01 | 0.1 | -- | -- | -- | -- | -- | 0.1 |
| MW-67 | 313 | 209.24 | -195.2 | less-open | 61 | 334 | 321 | 231 | 2 | NW | 291-335 | 44 | 1.0E-04 | 2.9E-01 | 0.5 | -- | 1.5 | -- | -- | -- | -- |
| MW-67 | 314 | 212.04 | -198.0 | less-open | 73 | 226 | 213 | 123 | NSR | NSR | NSR | NSR | 1.0E-04 | 2.9E-01 | 2.8 | -- | -- | -- | -- | -- | -- |
| MW-67 | 315 | 212.81 | -198.8 | less-open | 59 | 140 | 127 | 37 | 1 | SE | 116-165 | 49 | 1.0E-04 | 2.9E-01 | 0.8 | 22.2 | -- | -- | -- | -- | -- |
| MW-67 | 316 | 213.09 | -199.1 | less-open | 61 | 340 | 327 | 237 | 2 | NW | 291-335 | 44 | 1.0E-04 | 2.9E-01 | 0.3 | -- | 3.8 | -- | -- | -- | -- |
| MW-67 | 317 | 213.27 | -199.2 | less-open | 63 | 335 | 322 | 232 | 2 | NW | 291-335 | 44 | 1.0E-04 | 2.9E-01 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-67 | 318 | 213.5 | -199.5 | less-open | 55 | 343 | 330 | 240 | 2 | NW | 291-335 | 44 | 1.0E-04 | 2.9E-01 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-67 | 319 | 214 | -200.0 | less-open | 48 | 352 | 339 | 249 | 6 | N | 336-21 | 45 | 1.0E-04 | 2.9E-01 | 0.5 | -- | -- | -- | -- | -- | 5.3 |
| MW-67 | 320 | 214.28 | -200.3 | less-open | 55 | 341 | 328 | 238 | 2 | NW | 291-335 | 44 | 1.0E-04 | 2.9E-01 | 0.3 | -- | 0.8 | -- | -- | -- | -- |
| MW-67 | 321 | 214.77 | -200.7 | less-open | 55 | 5 | 352 | 262 | 6 | N | 336-21 | 45 | 1.0E-04 | 2.9E-01 | 0.5 | -- | -- | -- | -- | -- | 0.8 |
| MW-67 | 322 | 216.96 | -202.9 | less-open | 67 | 10 | 357 | 267 | 6 | N | 336-21 | 45 | 3.5E-04 | 9.8E-01 | 2.2 | -- | -- | -- | -- | -- | 2.2 |
| MW-67 | 323 | 218 | -204.0 | less-open | 69 | 322 | 309 | 219 | 2 | NW | 291-335 | 44 | 3.5E-04 | 9.8E-01 | 1.0 | -- | 3.7 | -- | -- | -- | -- |
| MW-67 | 324 | 218.57 | -204.5 | less-open | 68 | 343 | 330 | 240 | 2 | NW | 291-335 | 44 | 3.5E-04 | 9.8E-01 | 0.6 | -- | 0.6 | -- | -- | -- | -- |
| MW-67 | 325 | 219.58 | -205.6 | less-open | 53 | 224 | 211 | 121 | NSR | NSR | NSR | NSR | 3.5E-04 | 9.8E-01 | 1.0 | -- | -- | -- | -- | -- | -- |
| MW-67 | 326 | 220.28 | -206.3 | less-open | 59 | 338 | 325 | 235 | 2 | NW | 291-335 | 44 | 3.5E-04 | 9.8E-01 | 0.7 | -- | 1.7 | -- | -- | -- | -- |
| MW-67 | 327 | 220.41 | -206.4 | less-open | 61 | 329 | 316 | 226 | 2 | NW | 291-335 | 44 | 3.5E-04 | 9.8E-01 | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-67 | 328 | 220.7 | -206.7 | less-open | 56 | 325 | 312 | 222 | 2 | NW | 291-335 | 44 | 3.5E-04 | 9.8E-01 | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-67 | 329 | 221.23 | -207.2 | less-open | 55 | 324 | 311 | 221 | 2 | NW | 291-335 | 44 | 3.5E-04 | 9.8E-01 | 0.5 | -- | 0.5 | -- | -- | -- | -- |
| MW-67 | 330 | 221.64 | -207.6 | open | 42 | 321 | 308 | 218 | 2 | NW | 291-335 | 44 | 3.5E-04 | 9.8E-01 | 0.4 | -- | 0.4 | -- | -- | -- | -- |
| MW-67 | 331 | 222.15 | -208.1 | less-open | 38 | 330 | 317 | 227 | 2 | NW | 291-335 | 44 | 3.5E-04 | 9.8E-01 | 0.5 | -- | 0.5 | -- | -- | -- | -- |
| MW-67 | 332 | 222.83 | -208.8 | less-open | 49 | 312 | 299 | 209 | 2 | NW | 291-335 | 44 | 3.5E-04 | 9.8E-01 | 0.7 | -- | 0.7 | -- | -- | -- | -- |
| MW-67 | 333 | 222.94 | -208.9 | less-open | 49 | 330 | 317 | 227 | 2 | NW | 291-335 | 44 | 3.5E-04 | 9.8E-01 | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-67 | 334 | 222.99 | -209.0 | less-open | 47 | 314 | 301 | 211 | 2 | NW | 291-335 | 44 | 3.5E-04 | 9.8E-01 | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-67 | 335 | 223.16 | -209.1 | less-open | 9 | 257 | 244 | 154 | NSR | NSR | NSR | NSR | 3.5E-04 | 9.8E-01 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-67 | 336 | 223.71 | -209.7 | less-open | 65 | 336 | 323 | 233 | 2 | NW | 291-335 | 44 | 3.5E-04 | 9.8E-01 | 0.6 | -- | 0.7 | -- | -- | -- | -- |
| MW-67 | 337 | 224.72 | -210.7 | less-open | 32 | 25 | 12 | 282 | NSR | NSR | NSR | NSR | 3.5E-04 | 9.8E-01 | 1.0 | -- | -- | -- | -- | -- | -- |
| MW-67 | 338 | 225.59 | -211.6 | less-open | 54 | 128 | 115 | 25 | 3 | E | 70-115 | 45 | 3.5E-04 | 9.8E-01 | 0.9 | -- | -- | 30.3 | -- | -- | -- |
| MW-67 | 339 | 226.14 | -212.1 | less-open | 61 | 190 | 177 | 87 | 5 | S | 166-200 | 34 | 3.5E-04 | 9.8E-01 | 0.5 | -- | -- | -- | -- | 59.7 | -- |
| MW-67 | 340 | 226.28 | -212.3 | less-open | 46 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | 3.5E-04 | 9.8E-01 | 0.1 | -- | -- | 0.7 | -- | -- | -- |
| MW-67 | 341 | 226.77 | -212.7 | less-open | 27 | 118 | 105 | 15 | NSR | NSR | NSR | NSR | 3.5E-04 | 9.8E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-67 | 342 | 226.85 | -212.8 | less-open | 36 | 305 | 292 | 202 | 2 | NW | 291-335 | 44 | 3.5E-04 | 9.8E-01 | 0.1 | -- | 3.1 | -- | -- | -- | -- |
| MW-67 | 343 | 227.02 | -213.0 | less-open | 57 | 119 | 106 | 16 | 3 | E | 70-115 | 45 | 3.5E-04 | 9.8E-01 | 0.2 | -- | -- | 0.7 | -- | -- | -- |
| MW-67 | 344 | 227.78 | -213.8 | less-open | 68 | 162 | 149 | 59 | 1 | SE | 116-165 | 49 | 3.5E-04 | 9.8E-01 | 0.8 | 15.0 | -- | -- | -- | -- | -- |
| MW-67 | 345 | 227.9 | -213.9 | less-open | 40 | 130 | 117 | 27 | 1 | SE | 116-165 | 49 | 3.5E-04 | 9.8E-01 | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-67 | 346 | 228.61 | -214.6 | less-open | 67 | 222 | 209 | 119 | NSR | NSR | NSR | NSR | 3.5E-04 | 9.8E-01 | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-67 | 347 | 229.48 | -215.5 | less-open | 48 | 120 | 107 | 17 | 3 | E | 70-115 | 45 | 3.5E-04 | 9.8E-01 | 0.9 | -- | -- | 2.5 | -- | -- | -- |
| MW-67 | 348 | 230.58 | -216.6 | less-open | 81 | 238 | 225 | 135 | NSR | NSR | NSR | NSR | TNP | TNP | 1.1 | -- | -- | -- | -- | -- | -- |
| MW-67 | 349 | 230.6 | -216.6 | less-open | 61 | 161 | 148 | 58 | 1 | SE | 116-165 | 49 | TNP | TNP | 0.0 | 2.7 | -- | -- | -- | -- | -- |
| MW-67 | 350 | 231.31 | -217.3 | less-open | 71 | 257 | 244 | 154 | NSR | NSR | NSR | NSR | TNP | TNP | 0.7 | -- | -- | -- | -- | -- | -- |
| MW-67 | 351 | 231.35 | -217.3 | less-open | 30 | 307 | 294 | 204 | NSR | NSR | NSR | NSR | TNP | TNP | 0.0 | -- | -- | -- | -- | -- | -- |
| MW-67 | 352 | 231.55 | -217.5 | less-open | 32 | 193 | 180 | 90 | NSR | NSR | NSR | NSR | TNP | TNP | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-67 | 353 | 233.46 | -219.4 | less-open | 50 | 103 | 90 | 360 | 3 | E | 70-115 | 45 | TNP | TNP | 1.9 | -- | -- | 4.0 | -- | -- | -- |
| MW-67 | 354 | 233.57 | -219.5 | less-open | 58 | 330 | 317 | 227 | 2 | NW | 291-335 | 44 | TNP | TNP | 0.1 | -- | 6.7 | -- | -- | -- | -- |
| MW-67 | 355 | 234.85 | -220.8 | less-open | 60 | 125 | 112 | 22 | 3 | E | 70-115 | 45 | 1.6E-04 | 4.5E-01 | 1.3 | -- | -- | 1.4 | -- | -- | -- |
| MW-67 | 356 | 235.75 | -221.7 | less-open | 46 | 127 | 114 | 24 | 3 | E | 70-115 | 45 | 1.6E-04 | 4.5E-01 | 0.9 | -- | -- | 0.9 | -- | -- | -- |
| MW-67 | 357 | 235.96 | -221.9 | less-open | 65 | 352 | 339 | 249 | 6 | N | 336-21 | 45 | 1.6E-04 | 4.5E-01 | 0.2 | -- | -- | -- | -- | -- | 19.0 |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | | ft/day | | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-67 | 358 | 236.92 | -222.9 | less-open | 19 | 282 | 269 | 179 | NSR | NSR | NSR | NSR | 1.6E-04 | | 4.5E-01 | | 1.0 | -- | -- | -- | -- | -- | -- |
| MW-67 | 359 | 237.66 | -223.6 | less-open | 56 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | 1.6E-04 | | 4.5E-01 | | 0.7 | -- | -- | 1.9 | -- | -- | -- |
| MW-67 | 360 | 238 | -224.0 | less-open | 50 | 118 | 105 | 15 | 3 | E | 70-115 | 45 | 1.6E-04 | | 4.5E-01 | | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-67 | 361 | 238.46 | -224.4 | less-open | 43 | 295 | 282 | 192 | 4 | W | 245-290 | 45 | 1.6E-04 | | 4.5E-01 | | 0.5 | -- | -- | -- | 43.3 | -- | -- |
| MW-67 | 362 | 239.9 | -225.9 | less-open | 61 | 342 | 329 | 239 | 2 | NW | 291-335 | 44 | 1.6E-04 | | 4.5E-01 | | 1.4 | -- | 6.3 | -- | -- | -- | -- |
| MW-67 | 363 | 240.35 | -226.3 | less-open | 74 | 26 | 13 | 283 | 6 | N | 336-21 | 45 | 1.6E-04 | | 4.5E-01 | | 0.4 | -- | -- | -- | -- | -- | 4.4 |
| MW-67 | 364 | 244.22 | -230.2 | less-open | 49 | 140 | 127 | 37 | 1 | SE | 116-165 | 49 | 1.6E-04 | | 4.5E-01 | | 3.9 | 13.6 | -- | -- | -- | -- | -- |
| MW-67 | 365 | 244.39 | -230.4 | less-open | 72 | 332 | 319 | 229 | 2 | NW | 291-335 | 44 | 1.6E-04 | | 4.5E-01 | | 0.2 | -- | 4.5 | -- | -- | -- | -- |
| MW-67 | 366 | 244.72 | -230.7 | less-open | 30 | 43 | 30 | 300 | NSR | NSR | NSR | NSR | 1.6E-04 | | 4.5E-01 | | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-67 | 367 | 244.86 | -230.8 | less-open | 30 | 299 | 286 | 196 | NSR | NSR | NSR | NSR | 1.6E-04 | | 4.5E-01 | | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-67 | 368 | 245.15 | -231.1 | less-open | 43 | 121 | 108 | 18 | 3 | E | 70-115 | 45 | 1.6E-04 | | 4.5E-01 | | 0.3 | -- | -- | 7.2 | -- | -- | -- |
| MW-67 | 369 | 245.4 | -231.4 | less-open | 52 | 125 | 112 | 22 | 3 | E | 70-115 | 45 | 1.6E-04 | | 4.5E-01 | | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-67 | 370 | 245.69 | -231.7 | less-open | 53 | 114 | 101 | 11 | 3 | E | 70-115 | 45 | 1.6E-04 | | 4.5E-01 | | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-67 | 371 | 245.9 | -231.9 | less-open | 52 | 119 | 106 | 16 | 3 | E | 70-115 | 45 | 1.6E-04 | | 4.5E-01 | | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-67 | 372 | 246.03 | -232.0 | less-open | 52 | 119 | 106 | 16 | 3 | E | 70-115 | 45 | 1.6E-04 | | 4.5E-01 | | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-67 | 373 | 246.62 | -232.6 | less-open | 56 | 122 | 109 | 19 | 3 | E | 70-115 | 45 | 1.6E-04 | | 4.5E-01 | | 0.6 | -- | -- | 0.6 | -- | -- | -- |
| MW-67 | 374 | 247.7 | -233.7 | less-open | 67 | 329 | 316 | 226 | 2 | NW | 291-335 | 44 | 1.6E-04 | | 4.5E-01 | | 1.1 | -- | 3.3 | -- | -- | -- | -- |
| MW-67 | 375 | 248.07 | -234.0 | less-open | 42 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | TNP | | TNP | | 0.4 | -- | -- | 1.4 | -- | -- | -- |
| MW-67 | 376 | 249.33 | -235.3 | less-open | 59 | 339 | 326 | 236 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 1.3 | -- | 1.6 | -- | -- | -- | -- |
| MW-67 | 377 | 250.03 | -236.0 | less-open | 57 | 338 | 325 | 235 | 2 | NW | 291-335 | 44 | 7.4E-04 | | 2.1E+00 | | 0.7 | -- | 0.7 | -- | -- | -- | -- |
| MW-67 | 378 | 250.1 | -236.1 | less-open | 58 | 340 | 327 | 237 | 2 | NW | 291-335 | 44 | 7.4E-04 | | 2.1E+00 | | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-67 | 379 | 250.31 | -236.3 | less-open | 52 | 341 | 328 | 238 | 2 | NW | 291-335 | 44 | 7.4E-04 | | 2.1E+00 | | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-67 | 380 | 250.61 | -236.6 | less-open | 62 | 356 | 343 | 253 | 6 | N | 336-21 | 45 | 7.4E-04 | | 2.1E+00 | | 0.3 | -- | -- | -- | -- | -- | 10.3 |
| MW-67 | 381 | 250.79 | -236.8 | less-open | 51 | 334 | 321 | 231 | 2 | NW | 291-335 | 44 | 7.4E-04 | | 2.1E+00 | | 0.2 | -- | 0.5 | -- | -- | -- | -- |
| MW-67 | 382 | 250.97 | -236.9 | less-open | 60 | 348 | 335 | 245 | 2 | NW | 291-335 | 44 | 7.4E-04 | | 2.1E+00 | | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-67 | 383 | 251.21 | -237.2 | less-open | 57 | 347 | 334 | 244 | 2 | NW | 291-335 | 44 | 7.4E-04 | | 2.1E+00 | | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-67 | 384 | 252.2 | -238.2 | less-open | 62 | 356 | 343 | 253 | 6 | N | 336-21 | 45 | 7.4E-04 | | 2.1E+00 | | 1.0 | -- | -- | -- | -- | -- | 1.6 |
| MW-67 | 385 | 252.28 | -238.3 | less-open | 59 | 5 | 352 | 262 | 6 | N | 336-21 | 45 | 7.4E-04 | | 2.1E+00 | | 0.1 | -- | -- | -- | -- | -- | 0.1 |
| MW-67 | 386 | 252.51 | -238.5 | less-open | 45 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | 7.4E-04 | | 2.1E+00 | | 0.2 | -- | -- | 4.4 | -- | -- | -- |
| MW-67 | 387 | 252.56 | -238.5 | less-open | 52 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | 7.4E-04 | | 2.1E+00 | | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-67 | 388 | 252.88 | -238.9 | less-open | 33 | 325 | 312 | 222 | NSR | NSR | NSR | NSR | 7.4E-04 | | 2.1E+00 | | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-67 | 389 | 253.2 | -239.2 | less-open | 54 | 345 | 332 | 242 | 2 | NW | 291-335 | 44 | 7.4E-04 | | 2.1E+00 | | 0.3 | -- | 2.0 | -- | -- | -- | -- |
| MW-67 | 390 | 253.58 | -239.6 | less-open | 54 | 350 | 337 | 247 | 6 | N | 336-21 | 45 | 7.4E-04 | | 2.1E+00 | | 0.4 | -- | -- | -- | -- | -- | 1.3 |
| MW-67 | 391 | 253.7 | -239.7 | less-open | 43 | 108 | 95 | 5 | 3 | E | 70-115 | 45 | 7.4E-04 | | 2.1E+00 | | 0.1 | -- | -- | 1.1 | -- | -- | -- |
| MW-67 | 392 | 253.96 | -239.9 | less-open | 40 | 95 | 82 | 352 | 3 | E | 70-115 | 45 | 7.4E-04 | | 2.1E+00 | | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-67 | 393 | 254.18 | -240.2 | less-open | 39 | 190 | 177 | 87 | 5 | S | 166-200 | 34 | 7.4E-04 | | 2.1E+00 | | 0.2 | -- | -- | -- | -- | 28.0 | -- |
| MW-67 | 394 | 254.33 | -240.3 | less-open | 32 | 107 | 94 | 4 | NSR | NSR | NSR | NSR | 7.4E-04 | | 2.1E+00 | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-67 | 395 | 254.4 | -240.4 | less-open | 59 | 295 | 282 | 192 | 4 | W | 245-290 | 45 | 7.4E-04 | | 2.1E+00 | | 0.1 | -- | -- | -- | 15.9 | -- | -- |
| MW-67 | 396 | 254.55 | -240.5 | less-open | 50 | 285 | 272 | 182 | 4 | W | 245-290 | 45 | 7.4E-04 | | 2.1E+00 | | 0.2 | -- | -- | -- | 0.2 | -- | -- |
| MW-67 | 397 | 254.61 | -240.6 | less-open | 37 | 107 | 94 | 4 | 3 | E | 70-115 | 45 | 7.4E-04 | | 2.1E+00 | | 0.1 | -- | -- | 0.7 | -- | -- | -- |
| MW-67 | 398 | 254.96 | -240.9 | less-open | 28 | 110 | 97 | 7 | NSR | NSR | NSR | NSR | 7.4E-04 | | 2.1E+00 | | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-67 | 399 | 255.2 | -241.2 | less-open | 40 | 100 | 87 | 357 | 3 | E | 70-115 | 45 | 7.4E-04 | | 2.1E+00 | | 0.2 | -- | -- | 0.6 | -- | -- | -- |
| MW-67 | 400 | 255.24 | -241.2 | less-open | 69 | 344 | 331 | 241 | 2 | NW | 291-335 | 44 | 7.4E-04 | | 2.1E+00 | | 0.0 | -- | 2.0 | -- | -- | -- | -- |
| MW-67 | 401 | 255.56 | -241.5 | less-open | 68 | 352 | 339 | 249 | 6 | N | 336-21 | 45 | 7.4E-04 | | 2.1E+00 | | 0.3 | -- | -- | -- | -- | -- | 2.0 |
| MW-67 | 402 | 256.09 | -242.1 | less-open | 42 | 105 | 92 | 2 | 3 | E | 70-115 | 45 | 7.4E-04 | | 2.1E+00 | | 0.5 | -- | -- | 0.9 | -- | -- | -- |
| MW-67 | 403 | 257.1 | -243.1 | less-open | 46 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | 7.4E-04 | | 2.1E+00 | | 1.0 | -- | -- | 1.0 | -- | -- | -- |
| MW-67 | 404 | 257.3 | -243.3 | less-open | 77 | 351 | 338 | 248 | 6 | N | 336-21 | 45 | 7.4E-04 | | 2.1E+00 | | 0.2 | -- | -- | -- | -- | -- | 1.7 |
| MW-67 | 405 | 257.44 | -243.4 | less-open | 34 | 97 | 84 | 354 | 3 | E | 70-115 | 45 | 7.4E-04 | | 2.1E+00 | | 0.1 | -- | -- | 0.3 | -- | -- | -- |
| MW-67 | 406 | 258.58 | -244.6 | less-open | 84 | 189 | 176 | 86 | NSR | NSR | NSR | NSR | 7.4E-04 | 1.2E-03 | 2.1E+00 | 3.4E+00 | 1.1 | -- | -- | -- | -- | -- | -- |
| MW-67 | 407 | 259.28 | -245.3 | less-open | 62 | 113 | 100 | 10 | 3 | E | 70-115 | 45 | 7.4E-04 | 1.2E-03 | 2.1E+00 | 3.4E+00 | 0.7 | -- | -- | 1.8 | -- | -- | -- |
| MW-67 | 408 | 259.92 | -245.9 | less-open | 78 | 355 | 342 | 252 | 6 | N | 336-21 | 45 | 7.4E-04 | 1.2E-03 | 2.1E+00 | 3.4E+00 | 0.6 | -- | -- | -- | -- | -- | 2.6 |
| MW-67 | 409 | 260.82 | -246.8 | less-open | 78 | 355 | 342 | 252 | 6 | N | 336-21 | 45 | 7.4E-04 | 1.2E-03 | 2.1E+00 | 3.4E+00 | 0.9 | -- | -- | -- | -- | -- | 0.9 |
| MW-67 | 410 | 261.25 | -247.2 | less-open | 80 | 352 | 339 | 249 | 6 | N | 336-21 | 45 | 7.4E-04 | 1.2E-03 | 2.1E+00 | 3.4E+00 | 0.4 | -- | -- | -- | -- | -- | 0.4 |
| MW-67 | 411 | 261.43 | -247.4 | less-open | 67 | 110 | 97 | 7 | 3 | E | 70-115 | 45 | 7.4E-04 | 1.2E-03 | 2.1E+00 | 3.4E+00 | 0.2 | -- | -- | 2.2 | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | | ft/day | | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-67 | 412 | 261.58 | -247.6 | less-open | 77 | 357 | 344 | 254 | 6 | N | 336-21 | 45 | 7.4E-04 | 1.2E-03 | 2.1E+00 | 3.4E+00 | 0.1 | -- | -- | -- | -- | -- | 0.3 |
| MW-67 | 413 | 262.6 | -248.6 | less-open | 83 | 355 | 342 | 252 | NSR | NSR | NSR | NSR | 7.4E-04 | 1.2E-03 | 2.1E+00 | 3.4E+00 | 1.0 | -- | -- | -- | -- | -- | -- |
| MW-67 | 414 | 262.71 | -248.7 | less-open | 35 | 328 | 315 | 225 | 2 | NW | 291-335 | 44 | 7.4E-04 | 1.2E-03 | 2.1E+00 | 3.4E+00 | 0.1 | -- | 7.5 | -- | -- | -- | -- |
| MW-67 | 415 | 262.77 | -248.7 | less-open | 29 | 333 | 320 | 230 | NSR | NSR | NSR | NSR | 7.4E-04 | 1.2E-03 | 2.1E+00 | 3.4E+00 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-67 | 416 | 262.92 | -248.9 | less-open | 28 | 316 | 303 | 213 | NSR | NSR | NSR | NSR | 7.4E-04 | 1.2E-03 | 2.1E+00 | 3.4E+00 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-67 | 417 | 263.21 | -249.2 | less-open | 46 | 109 | 96 | 6 | 3 | E | 70-115 | 45 | 7.4E-04 | 1.2E-03 | 2.1E+00 | 3.4E+00 | 0.3 | -- | -- | 1.8 | -- | -- | -- |
| MW-67 | 418 | 263.55 | -249.5 | less-open | 60 | 304 | 291 | 201 | 2 | NW | 291-335 | 44 | 7.4E-04 | 1.2E-03 | 2.1E+00 | 3.4E+00 | 0.3 | -- | 0.8 | -- | -- | -- | -- |
| MW-67 | 419 | 264.85 | -250.8 | less-open | 51 | 120 | 107 | 17 | 3 | E | 70-115 | 45 | | 1.2E-03 | | 3.4E+00 | 1.3 | -- | -- | 1.6 | -- | -- | -- |
| MW-67 | 420 | 265.04 | -251.0 | less-open | 49 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | | 1.2E-03 | | 3.4E+00 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-67 | 421 | 265.3 | -251.3 | less-open | 60 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | | 1.2E-03 | | 3.4E+00 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-67 | 422 | 265.51 | -251.5 | less-open | 79 | 349 | 336 | 246 | 6 | N | 336-21 | 45 | | 1.2E-03 | | 3.4E+00 | 0.2 | -- | -- | -- | -- | -- | 3.9 |
| MW-67 | 423 | 265.82 | -251.8 | less-open | 47 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | | 1.2E-03 | | 3.4E+00 | 0.3 | -- | -- | 0.5 | -- | -- | -- |
| MW-67 | 424 | 266.2 | -252.2 | less-open | 72 | 347 | 334 | 244 | 2 | NW | 291-335 | 44 | | 1.2E-03 | | 3.4E+00 | 0.4 | -- | 2.6 | -- | -- | -- | -- |
| MW-67 | 425 | 266.31 | -252.3 | less-open | 58 | 322 | 309 | 219 | 2 | NW | 291-335 | 44 | | 1.2E-03 | | 3.4E+00 | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-67 | 426 | 266.71 | -252.7 | less-open | 60 | 73 | 60 | 330 | NSR | NSR | NSR | NSR | | 1.2E-03 | | 3.4E+00 | 0.4 | -- | -- | -- | -- | -- | -- |
| MW-67 | 427 | 267 | -253.0 | less-open | 62 | 61 | 48 | 318 | NSR | NSR | NSR | NSR | | 1.2E-03 | | 3.4E+00 | 0.3 | -- | -- | -- | -- | -- | -- |
| MW-67 | 428 | 267.69 | -253.7 | less-open | 49 | 122 | 109 | 19 | 3 | E | 70-115 | 45 | | 1.2E-03 | | 3.4E+00 | 0.7 | -- | -- | 1.9 | -- | -- | -- |
| MW-67 | 429 | 267.88 | -253.9 | less-open | 76 | 66 | 53 | 323 | NSR | NSR | NSR | NSR | | 1.2E-03 | | 3.4E+00 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-67 | 430 | 268.32 | -254.3 | open | 62 | 335 | 322 | 232 | 2 | NW | 291-335 | 44 | | 1.2E-03 | | 3.4E+00 | 0.4 | -- | 2.0 | -- | -- | -- | -- |
| MW-67 | 431 | 268.48 | -254.5 | less-open | 58 | 322 | 309 | 219 | 2 | NW | 291-335 | 44 | | 1.2E-03 | | 3.4E+00 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-67 | 432 | 268.68 | -254.7 | less-open | 70 | 331 | 318 | 228 | 2 | NW | 291-335 | 44 | | 1.2E-03 | | 3.4E+00 | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-67 | 433 | 269.16 | -255.1 | less-open | 67 | 342 | 329 | 239 | 2 | NW | 291-335 | 44 | | 1.2E-03 | | 3.4E+00 | 0.5 | -- | 0.5 | -- | -- | -- | -- |
| MW-67 | 434 | 269.28 | -255.3 | less-open | 63 | 341 | 328 | 238 | 2 | NW | 291-335 | 44 | | 1.2E-03 | | 3.4E+00 | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-67 | 435 | 269.57 | -255.5 | less-open | 46 | 121 | 108 | 18 | 3 | E | 70-115 | 45 | | 1.2E-03 | | 3.4E+00 | 0.3 | -- | -- | 1.9 | -- | -- | -- |
| MW-67 | 436 | 269.91 | -255.9 | less-open | 63 | 111 | 98 | 8 | 3 | E | 70-115 | 45 | | 1.2E-03 | | 3.4E+00 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-67 | 437 | 269.99 | -256.0 | less-open | 75 | 341 | 328 | 238 | 2 | NW | 291-335 | 44 | | 1.2E-03 | | 3.4E+00 | 0.1 | -- | 0.7 | -- | -- | -- | -- |
| MW-67 | 438 | 270.34 | -256.3 | less-open | 46 | 133 | 120 | 30 | 1 | SE | 116-165 | 49 | | 1.2E-03 | | 3.4E+00 | 0.3 | 26.1 | -- | -- | -- | -- | -- |
| MW-67 | 439 | 270.5 | -256.5 | less-open | 55 | 322 | 309 | 219 | 2 | NW | 291-335 | 44 | | 1.2E-03 | | 3.4E+00 | 0.2 | -- | 0.5 | -- | -- | -- | -- |
| MW-67 | 440 | 270.96 | -256.9 | less-open | 25 | 32 | 19 | 289 | NSR | NSR | NSR | NSR | | 1.2E-03 | | 3.4E+00 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-67 | 441 | 271.77 | -257.7 | less-open | 56 | 333 | 320 | 230 | 2 | NW | 291-335 | 44 | | 1.2E-03 | | 3.4E+00 | 0.8 | -- | 1.3 | -- | -- | -- | -- |
| MW-67 | 442 | 272.43 | -258.4 | less-open | 48 | 120 | 107 | 17 | 3 | E | 70-115 | 45 | TNP | | TNP | | 0.7 | -- | -- | 2.5 | -- | -- | -- |
| MW-67 | 443 | 273.19 | -259.2 | less-open | 40 | 317 | 304 | 214 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 0.8 | -- | 1.4 | -- | -- | -- | -- |
| MW-67 | 444 | 274.02 | -260.0 | less-open | 76 | 173 | 160 | 70 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.8 | 3.7 | -- | -- | -- | -- | -- |
| MW-67 | 445 | 274.82 | -260.8 | less-open | 44 | 170 | 157 | 67 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.8 | 0.8 | -- | -- | -- | -- | -- |
| MW-67 | 446 | 275.32 | -261.3 | less-open | 39 | 124 | 111 | 21 | 3 | E | 70-115 | 45 | TNP | | TNP | | 0.5 | -- | -- | 2.9 | -- | -- | -- |
| MW-67 | 447 | 275.5 | -261.5 | less-open | 53 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.2 | 0.7 | -- | -- | -- | -- | -- |
| MW-67 | 448 | 276.26 | -262.2 | less-open | 45 | 311 | 298 | 208 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 0.8 | -- | 3.1 | -- | -- | -- | -- |
| MW-67 | 449 | 276.36 | -262.3 | less-open | 41 | 310 | 297 | 207 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-67 | 450 | 276.47 | -262.4 | less-open | 52 | 311 | 298 | 208 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-67 | 451 | 276.75 | -262.7 | open | 38 | 317 | 304 | 214 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-67 | 452 | 276.89 | -262.9 | less-open | 37 | 320 | 307 | 217 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-67 | 453 | 277.73 | -263.7 | less-open | 56 | 182 | 169 | 79 | 5 | S | 166-200 | 34 | TNP | | TNP | | 0.8 | -- | -- | -- | -- | 23.6 | -- |
| MW-67 | 454 | 277.99 | -264.0 | less-open | 74 | 346 | 333 | 243 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 0.3 | -- | 1.1 | -- | -- | -- | -- |
| MW-67 | 455 | 278.4 | -264.4 | less-open | 71 | 347 | 334 | 244 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 0.4 | -- | 0.4 | -- | -- | -- | -- |
| MW-67 | 456 | 278.57 | -264.5 | less-open | 20 | 224 | 211 | 121 | NSR | NSR | NSR | NSR | TNP | | TNP | | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-67 | 457 | 279.91 | -265.9 | open | 42 | 324 | 311 | 221 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 1.3 | -- | 1.5 | -- | -- | -- | -- |
| MW-67 | 458 | 280.01 | -266.0 | less-open | 42 | 144 | 131 | 41 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.1 | 4.5 | -- | -- | -- | -- | -- |
| MW-67 | 459 | 280.34 | -266.3 | less-open | 40 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.3 | 0.3 | -- | -- | -- | -- | -- |
| MW-67 | 460 | 280.82 | -266.8 | less-open | 47 | 148 | 135 | 45 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.5 | 0.5 | -- | -- | -- | -- | -- |
| MW-67 | 461 | 280.95 | -266.9 | less-open | 45 | 138 | 125 | 35 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.1 | 0.1 | -- | -- | -- | -- | -- |
| MW-67 | 462 | 281.18 | -267.2 | less-open | 45 | 142 | 129 | 39 | 1 | SE | 116-165 | 49 | TNP | | TNP | | 0.2 | 0.2 | -- | -- | -- | -- | -- |
| MW-67 | 463 | 281.73 | -267.7 | less-open | 44 | 125 | 112 | 22 | 3 | E | 70-115 | 45 | TNP | | TNP | | 0.6 | -- | -- | 6.4 | -- | -- | -- |
| MW-67 | 464 | 282.15 | -268.1 | less-open | 49 | 331 | 318 | 228 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 0.4 | -- | 2.2 | -- | -- | -- | -- |
| MW-67 | 465 | 282.72 | -268.7 | less-open | 66 | 347 | 334 | 244 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 0.6 | -- | 0.6 | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | | ft/day | | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-67 | 466 | 282.77 | -268.7 | less-open | 36 | 324 | 311 | 221 | 2 | NW | 291-335 | 44 | TNP | | TNP | | 0.0 | -- | 0.0 | -- | -- | -- | -- |
| MW-67 | 467 | 282.88 | -268.9 | less-open | 56 | 126 | 113 | 23 | 3 | E | 70-115 | 45 | TNP | | TNP | | 0.1 | -- | -- | 1.1 | -- | -- | -- |
| MW-67 | 468 | 283.98 | -270.0 | less-open | 22 | 289 | 276 | 186 | NSR | NSR | NSR | NSR | TNP | | TNP | | 1.1 | -- | -- | -- | -- | -- | -- |
| MW-67 | 469 | 285.37 | -271.3 | less-open | 61 | 340 | 327 | 237 | 2 | NW | 291-335 | 44 | 1.4E-04 | | 4.1E-01 | | 1.4 | -- | 2.6 | -- | -- | -- | -- |
| MW-67 | 470 | 286.52 | -272.5 | less-open | 68 | 298 | 285 | 195 | 4 | W | 245-290 | 45 | 1.4E-04 | | 4.1E-01 | | 1.1 | -- | -- | -- | 32.0 | -- | -- |
| MW-67 | 471 | 287.64 | -273.6 | less-open | 25 | 284 | 271 | 181 | NSR | NSR | NSR | NSR | 1.4E-04 | | 4.1E-01 | | 1.1 | -- | -- | -- | -- | -- | -- |
| MW-67 | 472 | 287.9 | -273.9 | less-open | 74 | 297 | 284 | 194 | 4 | W | 245-290 | 45 | 1.4E-04 | | 4.1E-01 | | 0.3 | -- | -- | -- | 1.4 | -- | -- |
| MW-67 | 473 | 288.15 | -274.1 | less-open | 40 | 140 | 127 | 37 | 1 | SE | 116-165 | 49 | 1.4E-04 | | 4.1E-01 | | 0.3 | 7.0 | -- | -- | -- | -- | -- |
| MW-67 | 474 | 288.23 | -274.2 | less-open | 39 | 124 | 111 | 21 | 3 | E | 70-115 | 45 | 1.4E-04 | | 4.1E-01 | | 0.1 | -- | -- | 5.4 | -- | -- | -- |
| MW-67 | 475 | 288.23 | -274.2 | less-open | 72 | 307 | 294 | 204 | 2 | NW | 291-335 | 44 | 1.4E-04 | | 4.1E-01 | | 0.0 | -- | 2.9 | -- | -- | -- | -- |
| MW-67 | 476 | 288.33 | -274.3 | less-open | 42 | 145 | 132 | 42 | 1 | SE | 116-165 | 49 | 1.4E-04 | | 4.1E-01 | | 0.1 | 0.2 | -- | -- | -- | -- | -- |
| MW-67 | 477 | 288.47 | -274.4 | less-open | 53 | 128 | 115 | 25 | 3 | E | 70-115 | 45 | 1.4E-04 | | 4.1E-01 | | 0.1 | -- | -- | 0.2 | -- | -- | -- |
| MW-67 | 478 | 288.66 | -274.6 | less-open | 56 | 112 | 99 | 9 | 3 | E | 70-115 | 45 | 1.4E-04 | | 4.1E-01 | | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-67 | 479 | 290.53 | -276.5 | less-open | 79 | 304 | 291 | 201 | 2 | NW | 291-335 | 44 | 1.4E-04 | | 4.1E-01 | | 1.9 | -- | 2.3 | -- | -- | -- | -- |
| MW-67 | 480 | 290.72 | -276.7 | less-open | 59 | 309 | 296 | 206 | 2 | NW | 291-335 | 44 | 1.4E-04 | | 4.1E-01 | | 0.2 | -- | 0.2 | -- | -- | -- | -- |
| MW-67 | 481 | 291.17 | -277.1 | less-open | 46 | 306 | 293 | 203 | 2 | NW | 291-335 | 44 | 1.4E-04 | | 4.1E-01 | | 0.4 | -- | 0.4 | -- | -- | -- | -- |
| MW-67 | 482 | 291.5 | -277.5 | less-open | 39 | 314 | 301 | 211 | 2 | NW | 291-335 | 44 | 1.4E-04 | | 4.1E-01 | | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-67 | 483 | 292.38 | -278.4 | less-open | 52 | 327 | 314 | 224 | 2 | NW | 291-335 | 44 | 1.4E-04 | | 4.1E-01 | | 0.9 | -- | 0.9 | -- | -- | -- | -- |
| MW-67 | 484 | 293.27 | -279.2 | less-open | 76 | 267 | 254 | 164 | 4 | W | 245-290 | 45 | 1.4E-04 | | 4.1E-01 | | 0.9 | -- | -- | -- | 5.4 | -- | -- |
| MW-67 | 485 | 293.35 | -279.3 | less-open | 44 | 349 | 336 | 246 | 6 | N | 336-21 | 45 | 1.4E-04 | | 4.1E-01 | | 0.1 | -- | -- | -- | -- | -- | 27.8 |
| MW-67 | 486 | 294.94 | -280.9 | less-open | 34 | 303 | 290 | 200 | NSR | NSR | NSR | NSR | 1.4E-04 | | 4.1E-01 | | 1.6 | -- | -- | -- | -- | -- | -- |
| MW-67 | 487 | 295.94 | -281.9 | less-open | 30 | 287 | 274 | 184 | NSR | NSR | NSR | NSR | 1.4E-04 | | 4.1E-01 | | 1.0 | -- | -- | -- | -- | -- | -- |
| MW-67 | 488 | 296.75 | -282.7 | less-open | 45 | 296 | 283 | 193 | 4 | W | 245-290 | 45 | 1.4E-04 | | 4.1E-01 | | 0.8 | -- | -- | -- | 3.5 | -- | -- |
| MW-67 | 489 | 298.89 | -284.9 | less-open | 58 | 95 | 82 | 352 | 3 | E | 70-115 | 45 | 1.4E-04 | 3.1E-04 | 4.1E-01 | 8.7E-01 | 2.1 | -- | -- | 10.2 | -- | -- | -- |
| MW-67 | 490 | 301.24 | -287.2 | less-open | 37 | 115 | 102 | 12 | 3 | E | 70-115 | 45 | | 3.1E-04 | | 8.7E-01 | 2.4 | -- | -- | 2.4 | -- | -- | -- |
| MW-67 | 491 | 301.28 | -287.3 | less-open | 46 | 141 | 128 | 38 | 1 | SE | 116-165 | 49 | | 3.1E-04 | | 8.7E-01 | 0.0 | 13.0 | -- | -- | -- | -- | -- |
| MW-67 | 492 | 301.53 | -287.5 | less-open | 52 | 113 | 100 | 10 | 3 | E | 70-115 | 45 | | 3.1E-04 | | 8.7E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-67 | 493 | 301.99 | -288.0 | less-open | 65 | 76 | 63 | 333 | NSR | NSR | NSR | NSR | | 3.1E-04 | | 8.7E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-67 | 494 | 302.53 | -288.5 | less-open | 46 | 349 | 336 | 246 | 6 | N | 336-21 | 45 | | 3.1E-04 | | 8.7E-01 | 0.5 | -- | -- | -- | -- | -- | 9.2 |
| MW-67 | 495 | 302.62 | -288.6 | less-open | 51 | 102 | 89 | 359 | 3 | E | 70-115 | 45 | | 3.1E-04 | | 8.7E-01 | 0.1 | -- | -- | 1.1 | -- | -- | -- |
| MW-67 | 496 | 302.63 | -288.6 | less-open | 51 | 339 | 326 | 236 | 2 | NW | 291-335 | 44 | | 3.1E-04 | | 8.7E-01 | 0.0 | -- | 10.3 | -- | -- | -- | -- |
| MW-67 | 497 | 302.78 | -288.8 | less-open | 30 | 131 | 118 | 28 | NSR | NSR | NSR | NSR | | 3.1E-04 | | 8.7E-01 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-67 | 498 | 302.89 | -288.9 | less-open | 52 | 327 | 314 | 224 | 2 | NW | 291-335 | 44 | | 3.1E-04 | | 8.7E-01 | 0.1 | -- | 0.3 | -- | -- | -- | -- |
| MW-67 | 499 | 302.98 | -289.0 | less-open | 55 | 326 | 313 | 223 | 2 | NW | 291-335 | 44 | | 3.1E-04 | | 8.7E-01 | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-67 | 500 | 303.06 | -289.0 | less-open | 56 | 99 | 86 | 356 | 3 | E | 70-115 | 45 | | 3.1E-04 | | 8.7E-01 | 0.1 | -- | -- | 0.4 | -- | -- | -- |
| MW-67 | 501 | 303.23 | -289.2 | less-open | 49 | 106 | 93 | 3 | 3 | E | 70-115 | 45 | | 3.1E-04 | | 8.7E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-67 | 502 | 303.36 | -289.3 | less-open | 52 | 326 | 313 | 223 | 2 | NW | 291-335 | 44 | | 3.1E-04 | | 8.7E-01 | 0.1 | -- | 0.4 | -- | -- | -- | -- |
| MW-67 | 503 | 303.63 | -289.6 | less-open | 56 | 333 | 320 | 230 | 2 | NW | 291-335 | 44 | | 3.1E-04 | | 8.7E-01 | 0.3 | -- | 0.3 | -- | -- | -- | -- |
| MW-67 | 504 | 303.78 | -289.8 | less-open | 35 | 306 | 293 | 203 | 2 | NW | 291-335 | 44 | | 3.1E-04 | | 8.7E-01 | 0.1 | -- | 0.1 | -- | -- | -- | -- |
| MW-67 | 505 | 303.96 | -289.9 | less-open | 50 | 127 | 114 | 24 | 3 | E | 70-115 | 45 | | 3.1E-04 | | 8.7E-01 | 0.2 | -- | -- | 0.7 | -- | -- | -- |
| MW-67 | 506 | 304.42 | -290.4 | less-open | 24 | 337 | 324 | 234 | NSR | NSR | NSR | NSR | | 3.1E-04 | | 8.7E-01 | 0.5 | -- | -- | -- | -- | -- | -- |
| MW-67 | 507 | 304.43 | -290.4 | less-open | 52 | 120 | 107 | 17 | 3 | E | 70-115 | 45 | | 3.1E-04 | | 8.7E-01 | 0.0 | -- | -- | 0.5 | -- | -- | -- |
| MW-67 | 508 | 304.57 | -290.5 | less-open | 48 | 121 | 108 | 18 | 3 | E | 70-115 | 45 | | 3.1E-04 | | 8.7E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-67 | 509 | 304.7 | -290.7 | less-open | 57 | 101 | 88 | 358 | 3 | E | 70-115 | 45 | | 3.1E-04 | | 8.7E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-67 | 510 | 304.75 | -290.7 | less-open | 34 | 147 | 134 | 44 | 1 | SE | 116-165 | 49 | | 3.1E-04 | | 8.7E-01 | 0.1 | 3.5 | -- | -- | -- | -- | -- |
| MW-67 | 511 | 304.77 | -290.7 | less-open | 37 | 324 | 311 | 221 | 2 | NW | 291-335 | 44 | | 3.1E-04 | | 8.7E-01 | 0.0 | -- | 1.0 | -- | -- | -- | -- |
| MW-67 | 512 | 305.12 | -291.1 | less-open | 48 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | | 3.1E-04 | | 8.7E-01 | 0.4 | -- | -- | 0.4 | -- | -- | -- |
| MW-67 | 513 | 305.52 | -291.5 | less-open | 54 | 331 | 318 | 228 | 2 | NW | 291-335 | 44 | | 3.1E-04 | | 8.7E-01 | 0.4 | -- | 0.8 | -- | -- | -- | -- |
| MW-67 | 514 | 306.65 | -292.6 | less-open | 51 | 326 | 313 | 223 | 2 | NW | 291-335 | 44 | | 3.1E-04 | | 8.7E-01 | 1.1 | -- | 1.1 | -- | -- | -- | -- |
| MW-67 | 515 | 308.35 | -294.3 | less-open | 48 | 170 | 157 | 67 | 1 | SE | 116-165 | 49 | 8.8E-05 | 3.1E-04 | 2.5E-01 | 8.7E-01 | 1.7 | 3.6 | -- | -- | -- | -- | -- |
| MW-67 | 516 | 308.74 | -294.7 | less-open | 53 | 317 | 304 | 214 | 2 | NW | 291-335 | 44 | 8.8E-05 | 3.1E-04 | 2.5E-01 | 8.7E-01 | 0.4 | -- | 2.1 | -- | -- | -- | -- |
| MW-67 | 517 | 308.86 | -294.8 | less-open | 41 | 110 | 97 | 7 | 3 | E | 70-115 | 45 | 8.8E-05 | 3.1E-04 | 2.5E-01 | 8.7E-01 | 0.1 | -- | -- | 3.7 | -- | -- | -- |
| MW-67 | 518 | 309.23 | -295.2 | less-open | 68 | 338 | 325 | 235 | 2 | NW | 291-335 | 44 | 8.8E-05 | 3.1E-04 | 2.5E-01 | 8.7E-01 | 0.4 | -- | 0.5 | -- | -- | -- | -- |
| MW-67 | 519 | 309.64 | -295.6 | less-open | 63 | 307 | 294 | 204 | 2 | NW | 291-335 | 44 | 8.8E-05 | 3.1E-04 | 2.5E-01 | 8.7E-01 | 0.4 | -- | 0.4 | -- | -- | -- | -- |

| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | | ft/day | | | 1 | 2 | 3 | 4 | 5 | 6 |
| MW-67 | 520 | 310.28 | -296.3 | less-open | 46 | 124 | 111 | 21 | 3 | E | 70-115 | 45 | 8.8E-05 | 3.1E-04 | 2.5E-01 | 8.7E-01 | 0.6 | -- | -- | 1.4 | -- | -- | -- |
| MW-67 | 521 | 311.91 | -297.9 | less-open | 45 | 126 | 113 | 23 | 3 | E | 70-115 | 45 | 8.8E-05 | | 2.5E-01 | | 1.6 | -- | -- | 1.6 | -- | -- | -- |
| MW-67 | 522 | 313.23 | -299.2 | less-open | 44 | 173 | 160 | 70 | 1 | SE | 116-165 | 49 | 8.8E-05 | | 2.5E-01 | | 1.3 | 4.9 | -- | -- | -- | -- | -- |
| MW-67 | 523 | 313.41 | -299.4 | less-open | 52 | 194 | 181 | 91 | 5 | S | 166-200 | 34 | 8.8E-05 | | 2.5E-01 | | 0.2 | -- | -- | -- | -- | 35.7 | -- |
| MW-67 | 524 | 313.81 | -299.8 | less-open | 46 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | 8.8E-05 | | 2.5E-01 | | 0.4 | 0.6 | -- | -- | -- | -- | -- |
| MW-67 | 525 | 315.1 | -301.1 | less-open | 42 | 179 | 166 | 76 | 5 | S | 166-200 | 34 | 8.8E-05 | 2.6E-04 | 2.5E-01 | 7.4E-01 | 1.3 | -- | -- | -- | -- | 1.7 | -- |
| MW-67 | 526 | 315.62 | -301.6 | less-open | 46 | 156 | 143 | 53 | 1 | SE | 116-165 | 49 | 8.8E-05 | 2.6E-04 | 2.5E-01 | 7.4E-01 | 0.5 | 1.8 | -- | -- | -- | -- | -- |
| MW-67 | 527 | 316.36 | -302.3 | less-open | 45 | 116 | 103 | 13 | 3 | E | 70-115 | 45 | 8.8E-05 | 2.6E-04 | 2.5E-01 | 7.4E-01 | 0.7 | -- | -- | 4.4 | -- | -- | -- |
| MW-67 | 528 | 316.66 | -302.6 | less-open | 36 | 122 | 109 | 19 | 3 | E | 70-115 | 45 | 8.8E-05 | 2.6E-04 | 2.5E-01 | 7.4E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-67 | 529 | 318.2 | -304.2 | less-open | 26 | 265 | 252 | 162 | NSR | NSR | NSR | NSR | 8.8E-05 | 2.6E-04 | 2.5E-01 | 7.4E-01 | 1.5 | -- | -- | -- | -- | -- | -- |
| MW-67 | 530 | 321.7 | -307.7 | less-open | 75 | 346 | 333 | 243 | 2 | NW | 291-335 | 44 | 3.4E-04 | 2.6E-04 | 9.6E-01 | 7.4E-01 | 3.5 | -- | 12.1 | -- | -- | -- | -- |
| MW-67 | 531 | 322.52 | -308.5 | less-open | 64 | 326 | 313 | 223 | 2 | NW | 291-335 | 44 | 3.4E-04 | 2.6E-04 | 9.6E-01 | 7.4E-01 | 0.8 | -- | 0.8 | -- | -- | -- | -- |
| MW-67 | 532 | 324.79 | -310.8 | less-open | 51 | 355 | 342 | 252 | 6 | N | 336-21 | 45 | 3.4E-04 | 2.6E-04 | 9.6E-01 | 7.4E-01 | 2.3 | -- | -- | -- | -- | -- | 22.3 |
| MW-67 | 533 | 324.94 | -310.9 | less-open | 45 | 354 | 341 | 251 | 6 | N | 336-21 | 45 | 3.4E-04 | 2.6E-04 | 9.6E-01 | 7.4E-01 | 0.1 | -- | -- | -- | -- | -- | 0.1 |
| MW-67 | 534 | 325.2 | -311.2 | less-open | 51 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | 3.4E-04 | 2.6E-04 | 9.6E-01 | 7.4E-01 | 0.3 | 9.6 | -- | -- | -- | -- | -- |
| MW-67 | 535 | 325.83 | -311.8 | less-open | 59 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | 3.4E-04 | 2.6E-04 | 9.6E-01 | 7.4E-01 | 0.6 | -- | -- | 9.2 | -- | -- | -- |
| MW-67 | 536 | 326.35 | -312.3 | less-open | 42 | 85 | 72 | 342 | 3 | E | 70-115 | 45 | 3.4E-04 | 2.6E-04 | 9.6E-01 | 7.4E-01 | 0.5 | -- | -- | 0.5 | -- | -- | -- |
| MW-67 | 537 | 326.38 | -312.4 | less-open | 66 | 96 | 83 | 353 | 3 | E | 70-115 | 45 | 3.4E-04 | 2.6E-04 | 9.6E-01 | 7.4E-01 | 0.0 | -- | -- | 0.0 | -- | -- | -- |
| MW-67 | 538 | 326.7 | -312.7 | less-open | 42 | 92 | 79 | 349 | 3 | E | 70-115 | 45 | 3.4E-04 | 2.6E-04 | 9.6E-01 | 7.4E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-67 | 539 | 326.92 | -312.9 | less-open | 61 | 121 | 108 | 18 | 3 | E | 70-115 | 45 | 3.4E-04 | 2.6E-04 | 9.6E-01 | 7.4E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-67 | 540 | 327.09 | -313.1 | less-open | 38 | 134 | 121 | 31 | 1 | SE | 116-165 | 49 | 3.4E-04 | 2.6E-04 | 9.6E-01 | 7.4E-01 | 0.2 | 1.9 | -- | -- | -- | -- | -- |
| MW-67 | 541 | 327.18 | -313.2 | less-open | 61 | 342 | 329 | 239 | 2 | NW | 291-335 | 44 | 3.4E-04 | 2.6E-04 | 9.6E-01 | 7.4E-01 | 0.1 | -- | 4.7 | -- | -- | -- | -- |
| MW-67 | 542 | 327.25 | -313.2 | less-open | 57 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | 3.4E-04 | 2.6E-04 | 9.6E-01 | 7.4E-01 | 0.1 | -- | -- | 0.3 | -- | -- | -- |
| MW-67 | 543 | 327.44 | -313.4 | less-open | 39 | 297 | 284 | 194 | 4 | W | 245-290 | 45 | 3.4E-04 | 2.6E-04 | 9.6E-01 | 7.4E-01 | 0.2 | -- | -- | -- | 30.7 | -- | -- |
| MW-67 | 544 | 327.77 | -313.7 | less-open | 40 | 139 | 126 | 36 | 1 | SE | 116-165 | 49 | 3.4E-04 | 2.6E-04 | 9.6E-01 | 7.4E-01 | 0.3 | 0.7 | -- | -- | -- | -- | -- |
| MW-67 | 545 | 328.32 | -314.3 | less-open | 41 | 111 | 98 | 8 | 3 | E | 70-115 | 45 | 3.4E-04 | 2.6E-04 | 9.6E-01 | 7.4E-01 | 0.6 | -- | -- | 1.1 | -- | -- | -- |
| MW-67 | 546 | 328.42 | -314.4 | less-open | 70 | 95 | 82 | 352 | 3 | E | 70-115 | 45 | 3.4E-04 | 2.6E-04 | 9.6E-01 | 7.4E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-67 | 547 | 328.75 | -314.7 | less-open | 64 | 119 | 106 | 16 | 3 | E | 70-115 | 45 | 3.4E-04 | 2.6E-04 | 9.6E-01 | 7.4E-01 | 0.3 | -- | -- | 0.3 | -- | -- | -- |
| MW-67 | 548 | 328.95 | -314.9 | less-open | 58 | 123 | 110 | 20 | 3 | E | 70-115 | 45 | 3.4E-04 | 2.6E-04 | 9.6E-01 | 7.4E-01 | 0.2 | -- | -- | 0.2 | -- | -- | -- |
| MW-67 | 549 | 329.39 | -315.4 | less-open | 51 | 130 | 117 | 27 | 1 | SE | 116-165 | 49 | 3.4E-04 | 2.6E-04 | 9.6E-01 | 7.4E-01 | 0.4 | 1.6 | -- | -- | -- | -- | -- |
| MW-67 | 550 | 329.71 | -315.7 | less-open | 48 | 114 | 101 | 11 | 3 | E | 70-115 | 45 | 3.4E-04 | 2.6E-04 | 9.6E-01 | 7.4E-01 | 0.3 | -- | -- | 0.8 | -- | -- | -- |
| MW-67 | 551 | 329.84 | -315.8 | less-open | 39 | 114 | 101 | 11 | 3 | E | 70-115 | 45 | 3.4E-04 | 2.6E-04 | 9.6E-01 | 7.4E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-67 | 552 | 329.97 | -315.9 | less-open | 46 | 117 | 104 | 14 | 3 | E | 70-115 | 45 | 3.4E-04 | 2.6E-04 | 9.6E-01 | 7.4E-01 | 0.1 | -- | -- | 0.1 | -- | -- | -- |
| MW-67 | 553 | 332.51 | -318.5 | less-open | 49 | 338 | 325 | 235 | 2 | NW | 291-335 | 44 | 3.4E-04 | 4.7E-04 | 9.6E-01 | 1.3E+00 | 2.5 | -- | 5.3 | -- | -- | -- | -- |
| MW-67 | 554 | 333.59 | -319.6 | less-open | 60 | 337 | 324 | 234 | 2 | NW | 291-335 | 44 | 3.4E-04 | 4.7E-04 | 9.6E-01 | 1.3E+00 | 1.1 | -- | 1.1 | -- | -- | -- | -- |
| MW-67 | 555 | 334.4 | -320.4 | less-open | 50 | 105 | 92 | 2 | 3 | E | 70-115 | 45 | 3.4E-04 | 4.7E-04 | 9.6E-01 | 1.3E+00 | 0.8 | -- | -- | 4.4 | -- | -- | -- |
| MW-67 | 556 | 334.53 | -320.5 | less-open | 39 | 326 | 313 | 223 | 2 | NW | 291-335 | 44 | 3.4E-04 | 4.7E-04 | 9.6E-01 | 1.3E+00 | 0.1 | -- | 0.9 | -- | -- | -- | -- |
| MW-67 | 557 | 335.73 | -321.7 | less-open | 44 | 67 | 54 | 324 | NSR | NSR | NSR | NSR | 3.4E-04 | 4.7E-04 | 9.6E-01 | 1.3E+00 | 1.2 | -- | -- | -- | -- | -- | -- |
| MW-67 | 558 | 335.82 | -321.8 | less-open | 38 | 219 | 206 | 116 | NSR | NSR | NSR | NSR | 3.4E-04 | 4.7E-04 | 9.6E-01 | 1.3E+00 | 0.1 | -- | -- | -- | -- | -- | -- |
| MW-67 | 559 | 336.02 | -322.0 | less-open | 33 | 295 | 282 | 192 | NSR | NSR | NSR | NSR | 3.4E-04 | 4.7E-04 | 9.6E-01 | 1.3E+00 | 0.2 | -- | -- | -- | -- | -- | -- |
| MW-67 | 560 | 336.78 | -322.8 | less-open | 83 | 287 | 274 | 184 | NSR | NSR | NSR | NSR | 3.4E-04 | 4.7E-04 | 9.6E-01 | 1.3E+00 | 0.8 | -- | -- | -- | -- | -- | -- |
| MW-67 | 561 | 337.91 | -323.9 | less-open | 42 | 219 | 206 | 116 | NSR | NSR | NSR | NSR | 3.4E-04 | 4.7E-04 | 9.6E-01 | 1.3E+00 | 1.1 | -- | -- | -- | -- | -- | -- |

Notes:

1. Joint/Fracture ID represents a consecutive identification number with depth for an apparent joint of fracture.
2. Elevations are above NGVD29.
3. Determined by Advanced Logic Technology based on borehole geophysical analysis (refer to Appendix C for logs).
4. Corrected dip direction from magnetic north by 13°. The true dip direction azimuth is based on the right hand rule convention, which represents the azimuth of the line within a dipping plane that is 90° from the strike azimuth in clockwise direction.
5. Joint strike direction azimuth represents the azimuth orientation of intersection between the joint/fracture plane and a horizontal plane using the right hand rule convention.
6. Site sets represent large scale interpretations of significant joint/fracture sets based on geophysical analysis.

Set numbers correspond to dip direction angle ranges:

| Set No. | 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|---|
| Dip direction | SE | NW | E | W | S | N |
| Azimuth range | 116-165 | 291-335 | 70-115 | 245-290 | 166-200 | 336-21 |

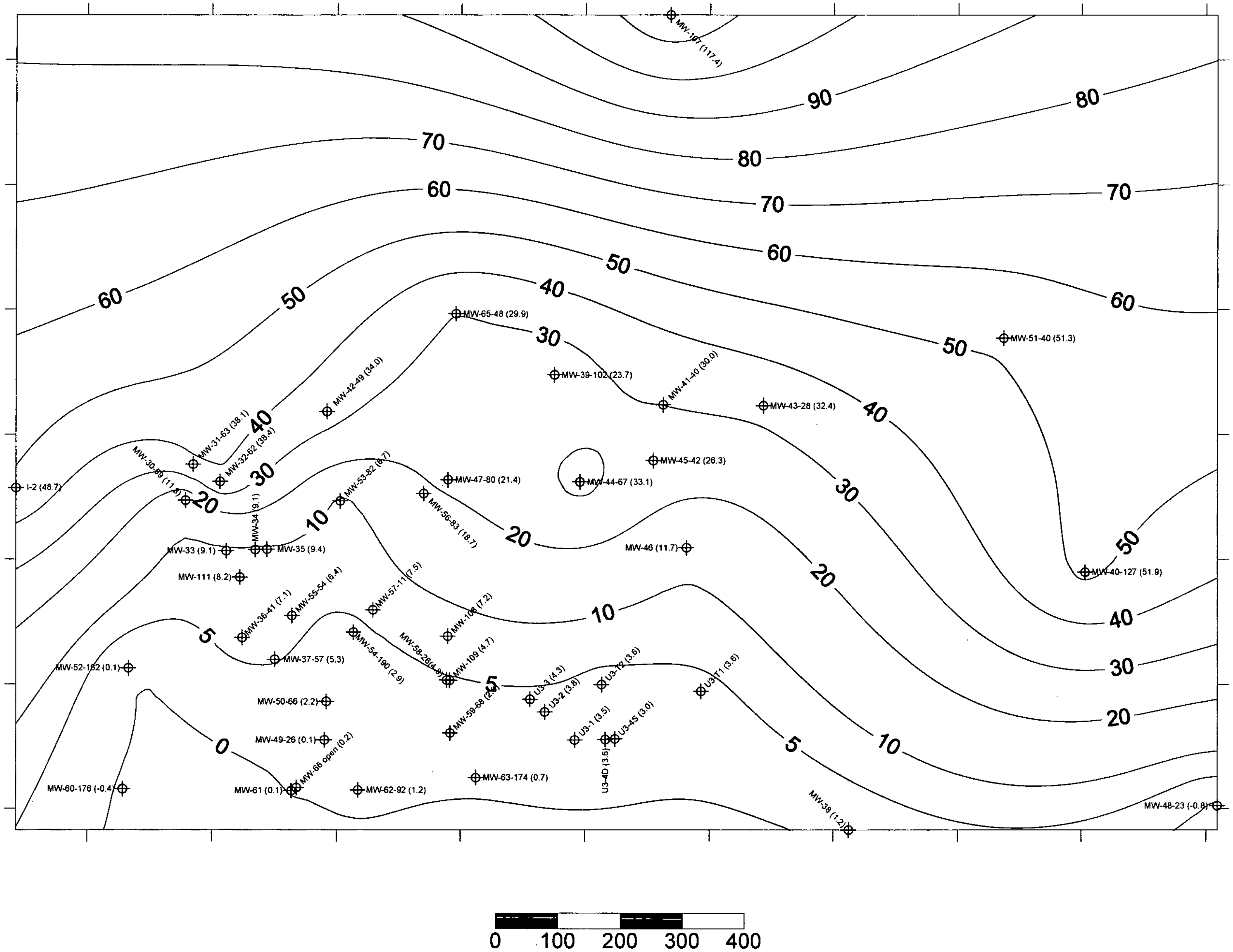
| Location | Joint[1]/ Fracture ID | Depth from Ground Surface (ft) | Elevation[2] (ft) | Interpreted[3] Planar Feature Category | Dip Angle | Magnetic Dip Direction Azimuth | True Dip[4] Direction Azimuth | Joint[5] Strike Direction Azimuth | Site Sets[6] | | | | Hydraulic Conductivity Test Result[7] (k) | | Joint[8] Spacing (ft) | Vertical Set Joint Spacing (ft) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Number | Dip Direction | Azimuth Range | Azimuth Delta | cm/s | ft/day | | 1 | 2 | 3 | 4 | 5 | 6 |

7. Based on GZA's hydraulic conductivity test results. Refer to Appendix G for test methods and detailed calculations.
8. Represents the vertical distance between each consecutive joint/fracture along the borehole axis.
9. Vertical set joint spacing is the vertical distance between each consecutive joint/fracture within a designated set.
10. No Set Recorded.
11. Test Not Performed.

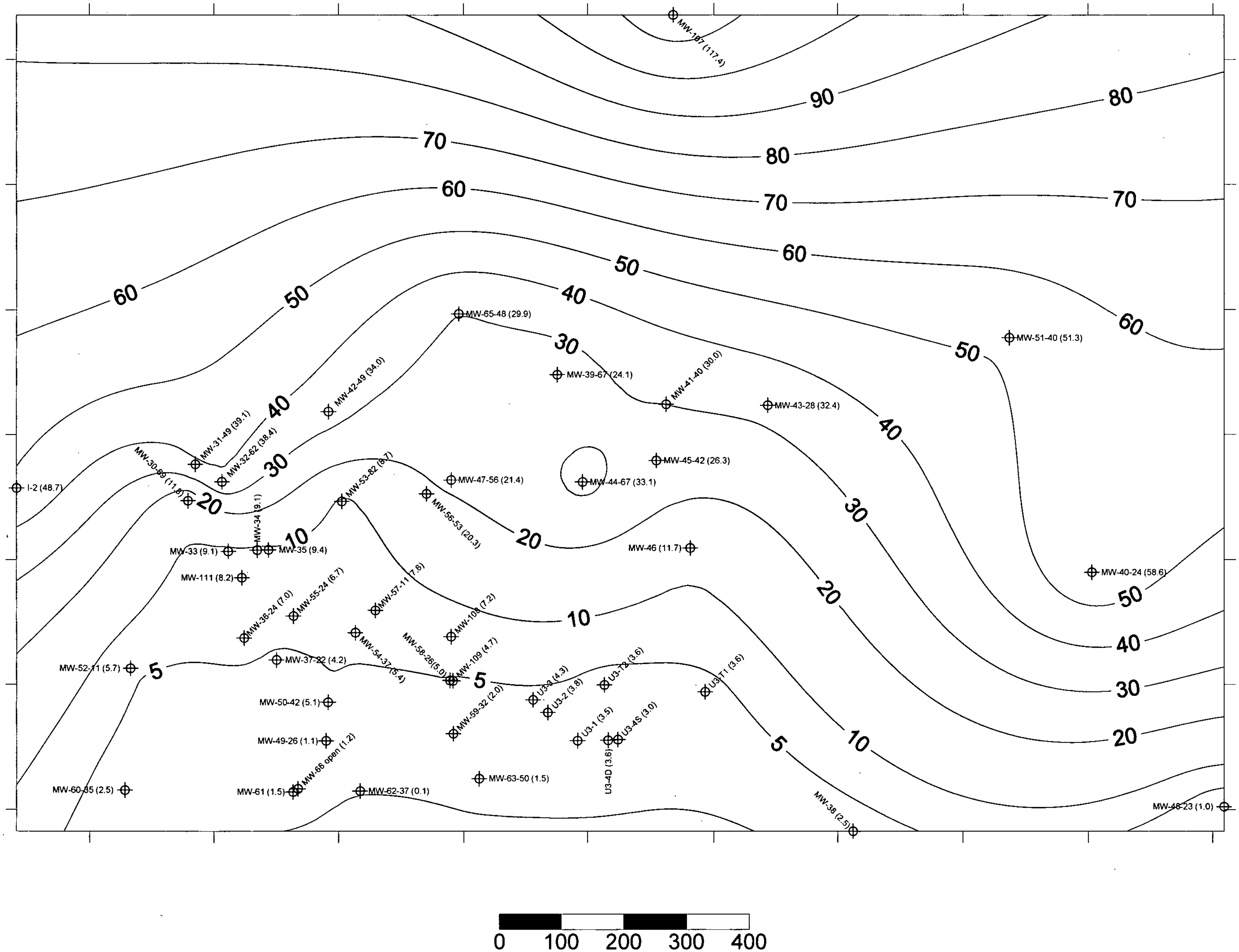
# APPENDIX R

GROUNDWATER CONTOUR MAPS

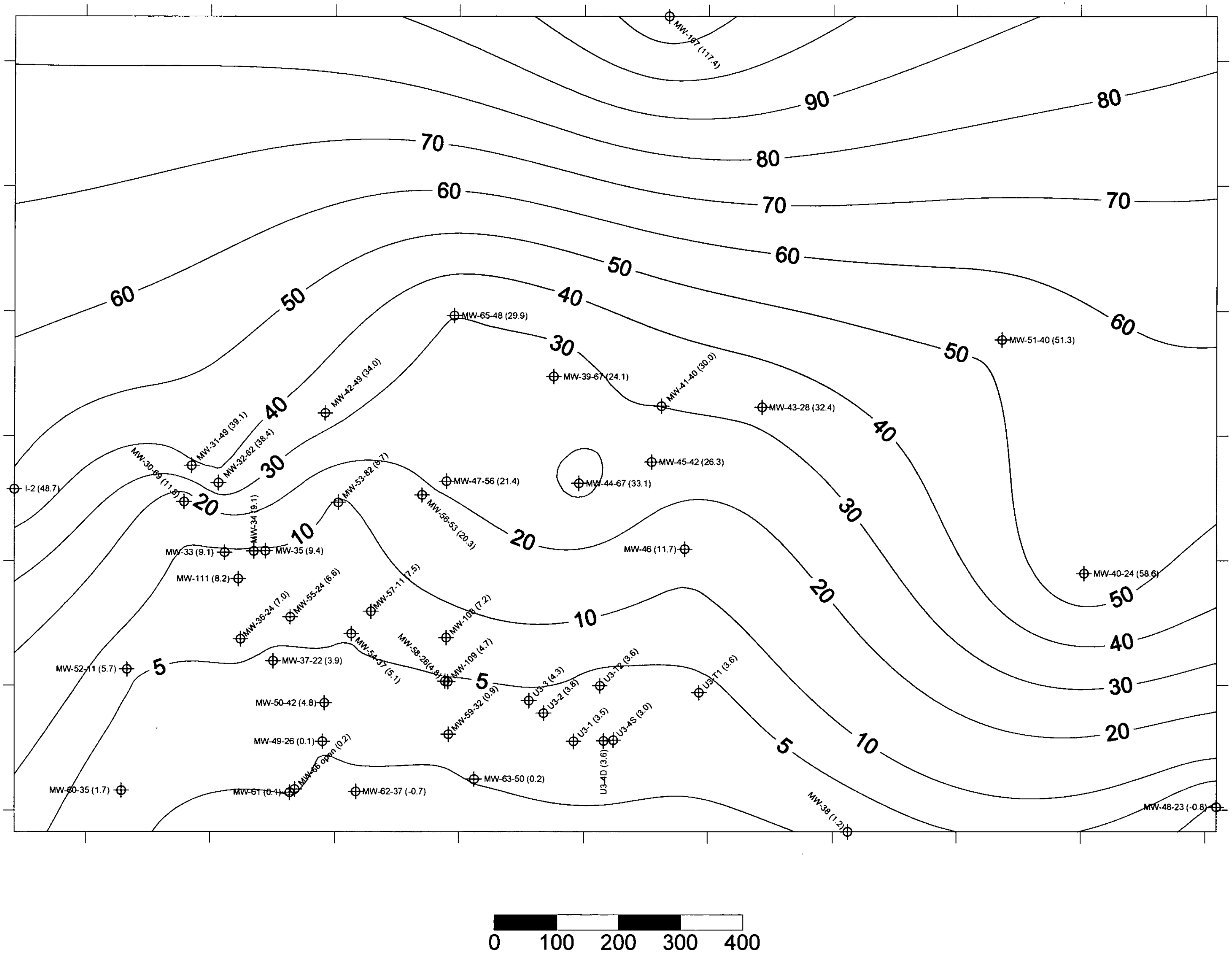
# Dry Season (2/12/07) Groundwater Elevations at Most Impacted Sampling Intervals



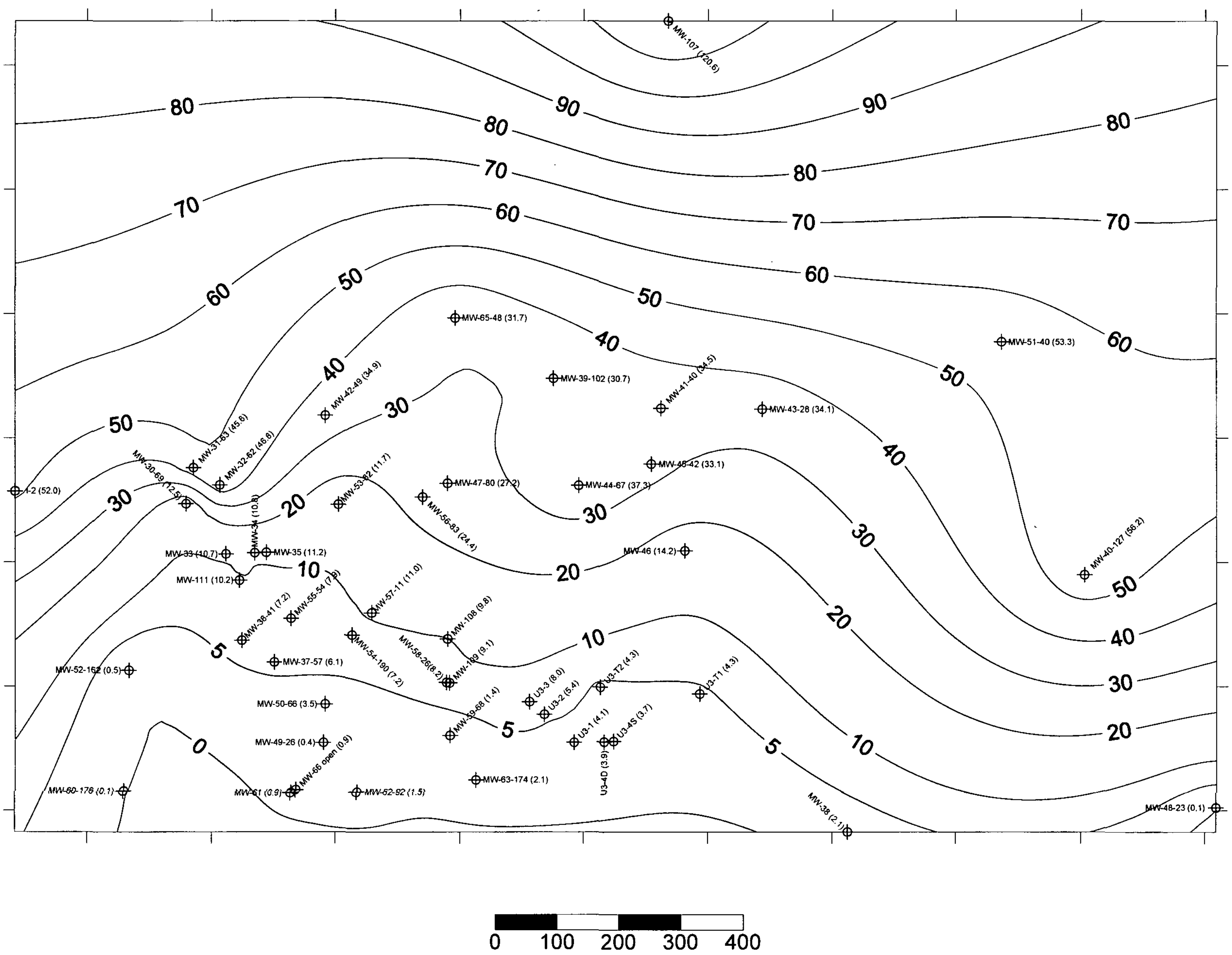
# Dry Season (2/12/07) High Tide



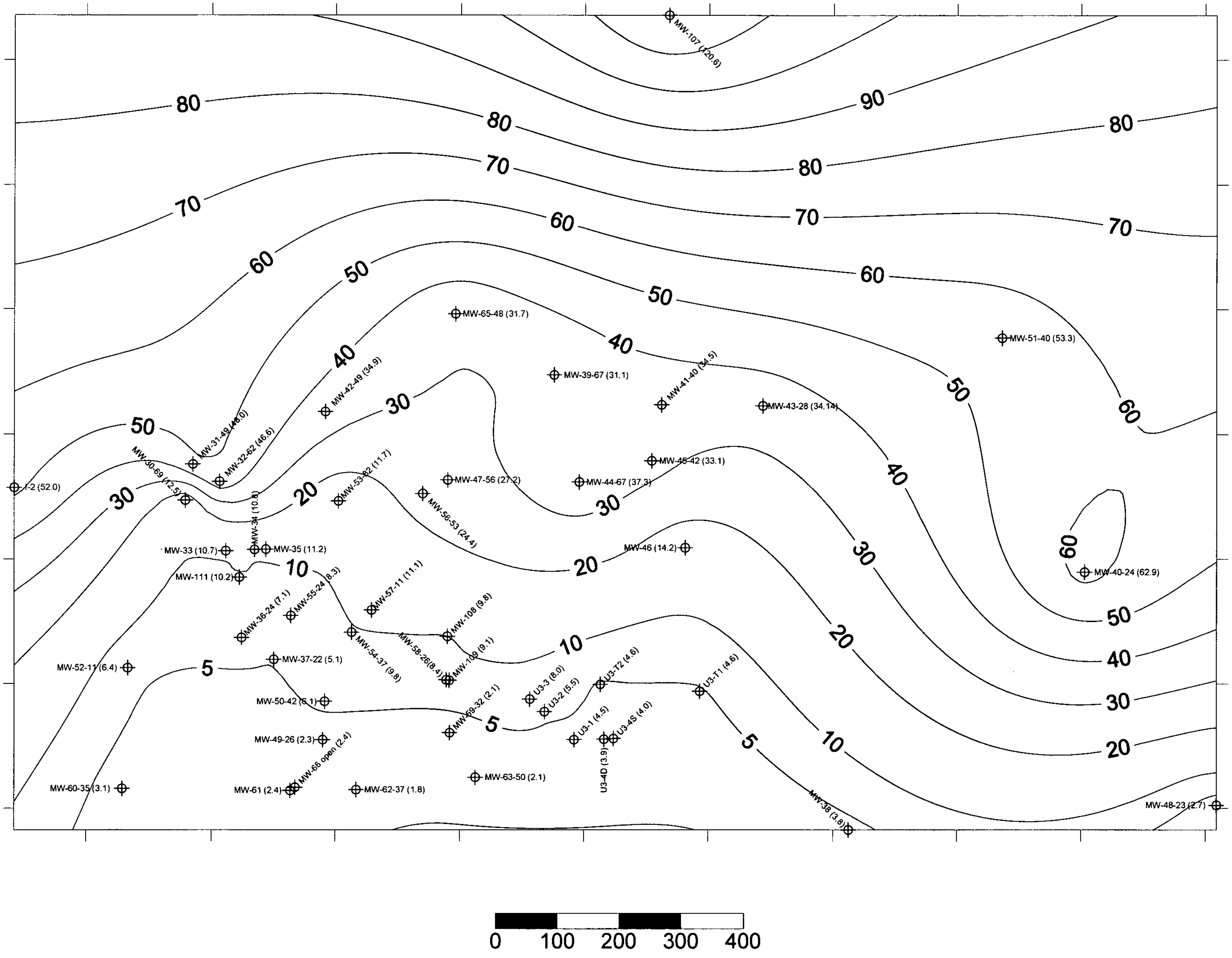
# Dry Season (2/1[illegible]07) Low Tide



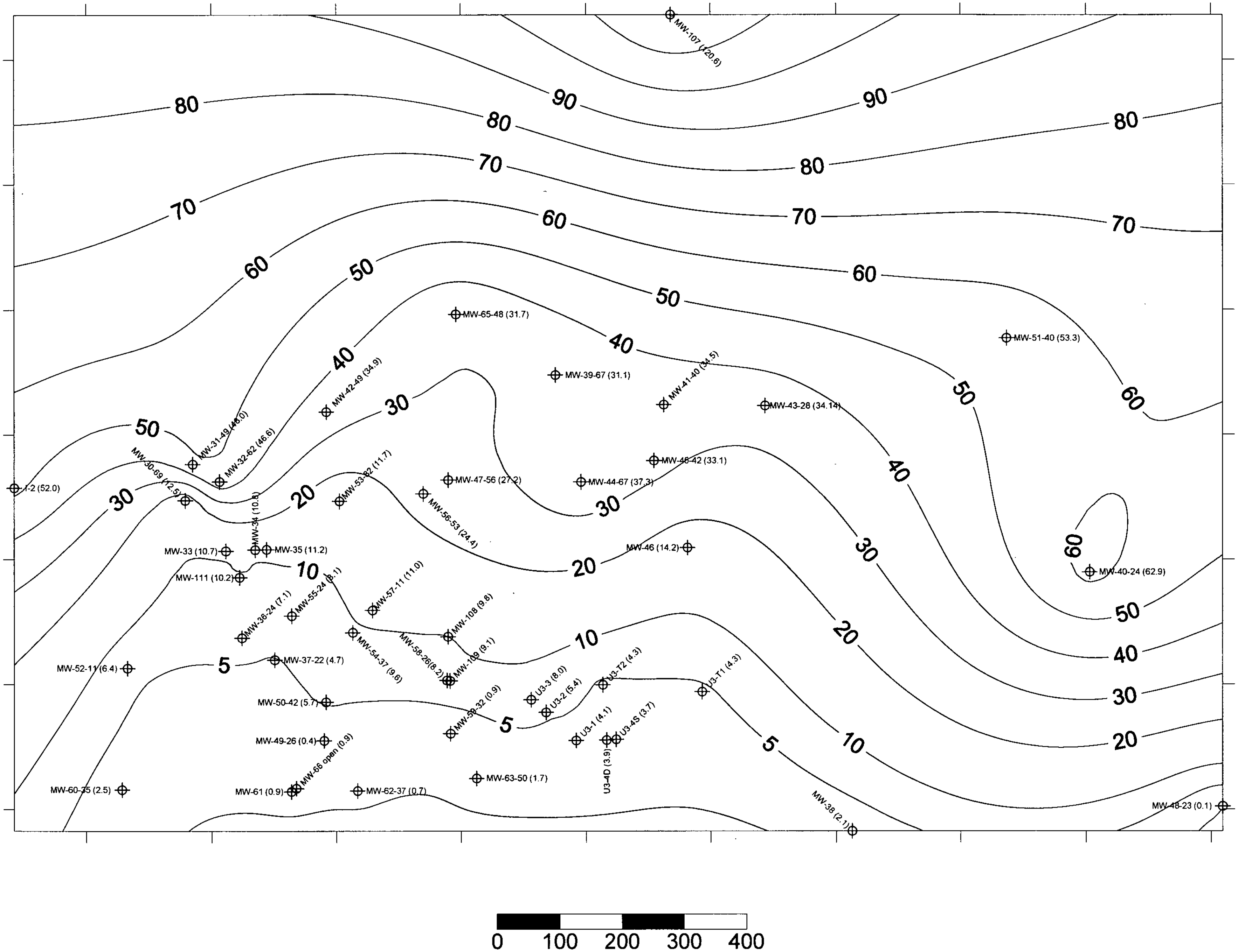
# Wet Season (3/28/07) Groundwater Elevations at Most Impacted Sampling Intervals



# Wet Season (3/2[illegible]/07) High Tide



# Wet Season (3/2 07) Low Tide



# APPENDIX S

RAINFALL MODEL FLUX CALCULATIONS

# Facility Groundwater Flux Calculation

**Site** Indian Point
**Job No.** 17869.10

**Prepared By:** MJG
**Reviewed By:** mjb

**Parameter Values:**

| Totals | | | | | |
|---|---|---|---|---|---|
| Total Catchment Area (ft^2) | | Total Improved Area (ft^2) | Recharge (ft/yr) | Precipitation (ft/yr) | |
| 3,969,765 | | 1,355,080 | 0.84 | 3.02 | |
| **Surface Water** | | | | | |
| Northern Clean Area Improved (ft^2) | Unit 2 North Improved Area (ft^2) | Unit 1/2 Improved Area (ft^2) | Unit 3 North Improved Area (ft^2) | Unit 3 South Improved Area (ft^2) | Southern Clean Zone Improved Area (ft^2) |
| 0 | 136,704 | 350,015 | 333,716 | 321,290 | 213,354 |
| Northern Clean Area Unimproved (ft^2) | Unit 2 North Unimproved Area (ft^2) | Unit 1/2 Unimproved Area (ft^2) | Unit 3 North Unimproved Area (ft^2) | Unit 3 South Unimproved Area (ft^2) | Southern Clean Zone Unimproved Area (ft^2) |
| 111,863 | 217,667 | 438,221 | 323,116 | 268,862 | 585,600 |
| Northern Clean Area Catchment (ft^2) | Unit 2 North Catchment Area (ft^2) | Unit 1/2 Catchment Area (ft^2) | Unit 3 North Catchment Area (ft^2) | Unit 3 South Catchment Area (ft^2) | Southern Clean Zone Catchment Area (ft^2) |
| 156,694 | 354,371 | 1,136,965 | 770,550 | 607,882 | 943,302 |

## Facility Groundwater Flux Calculation

**Site** Indian Point
**Job No.** 17869.10

**Prepared By:** MJG
**Reviewed By:** mjb

### Potential Water Received by Storm Drain System

=(Improved Area) x Precipitation

| Northern Clean Area | Unit 2 North | Unit 1/2 | Unit 3 North | Unit 3 South | Southern Clean Zone | Units |
|---|---|---|---|---|---|---|
| 0 | 412,846 | 1,057,046 | 1,007,823 | 970,294 | 644,331 | ft^3/yr |
| 0 | 1,131 | 2,896 | 2,761 | 2,658 | 1,765 | ft^3/day |
| 0.00 | 5.88 | 15.04 | 14.34 | 13.81 | 9.17 | GPM |
| 0 | 11,690,498 | 29,932,207 | 28,538,375 | 27,475,679 | 18,245,408 | L/Yr |

The total amount of water available to be received by the storm system is computed as the combined area of buildings and paved areas in the catchment multiplied by the annual precipitation rate. Note this conservatively assumes that the amount of water lost to the atmosphere or other sinks after precipitation has fallen on paved or built up surfaces is zero.

6443.30539

### Water Directly Recharged to Aquifer from Precipitation

=Unimproved Area x Recharge

| Northern Clean Area | Unit 2 North | Unit 1/2 | Unit 3 North | Unit 3 South | Southern Clean Zone | Units |
|---|---|---|---|---|---|---|
| 93,618 | 182,165 | 366,746 | 270,414 | 225,010 | 490,087 | ft^3/yr |
| 256 | 499 | 1,005 | 741 | 616 | 1,343 | ft^3/day |
| 1.33 | 2.59 | 5.22 | 3.85 | 3.20 | 6.98 | GPM |
| 2,650,964 | 5,158,334 | 10,385,080 | 7,657,276 | 6,371,572 | 13,877,706 | L/Yr |

Note that this calculation reflects recharge to the aquifer in non-paved areas. The Recharge value listed above and used in this calculation reflects only that portion of precipitation that actually recharges the aquifer.

Facility Groundwater Flux Calculation

Site Indian Point
Job No. 17869.10

Prepared By: MJG
Reviewed By: mjb

**Water Recharged to Aquifer (Direct Recharge Plus Storm Water Leakage Minus Drain Removal)**

=(Direct Recharge + X% Water Received by Storm System) - (Y% x Water Removed by Drains)

Total Water Discharged to Aquifer

| Upper and Lower Zone | [Northern Clean Area Catchment + (0% Storm Drain Water)] | [Unit 2 North + (50% Storm Drain Water)]-[5gpm] | [Unit 1/2 Area Catchment + (30% Storm Drain Water)]-[7.5 gpm] | [Unit 3 North Area Catchment + (50% Storm Drain Water)]-[7.5gpm] | [Unit 3 South Area + (1% Storm Drain Water)] | [Southern Clean Zone Area + (1% Storm Drain Water)] | Units |
|---|---|---|---|---|---|---|---|
| | 93,618 | 37,275 | 156,891 | 247,357 | 234,713 | 499,790 | ft^3/yr |
| | 256 | 102 | 430 | 678 | 643 | 1,369 | ft^3/day |
| | 1.33 | 0.53 | 2.23 | 3.52 | 3.34 | 7.11 | GPM |
| | 2,650,964 | 1,055,521 | 4,442,649 | 7,004,370 | 6,646,329 | 14,152,463 | L/Yr |

Facility Groundwater Flux Calculation

**Site** Indian Point
**Job No.** 17869.10

**Prepared By:** MJG
**Reviewed By:** mjb

**Groundwater Discharged to Canal**

**=Water Recharged to Aquifer x X% flowing to Canal**

| | Northern Clean Area Catchment x 0% | Unit 2 North x 31.4% | Unit 1/2 Area Catchment 26.6% | Unit 3 North Area Catchment x 58.8% | Unit 3 South Area x73.9% | Southern Clean Zone Area x 0% | Units |
|---|---|---|---|---|---|---|---|
| Upper and Lower Zone | 0 | 11,704 | 41,733 | 145,446 | 173,453 | 0 | ft^3/yr |
| | 0 | 32 | 114 | 398 | 475 | 0 | ft^3/day |
| | 0.00 | 0.17 | 0.59 | 2.07 | 2.47 | 0.00 | GPM |
| | 0 | 331,434 | 1,181,745 | 4,118,570 | 4,911,637 | 0 | L/Yr |

Facility Groundwater Flux Calculation

Site Indian Point
Job No. 17869.10

Prepared By: MJG
Reviewed By: mjb

Groundwater Discharged to River

=Water Recharged to Aquifer x X% flowing to River

| | Northern Clean Area Catchment x 100% | Unit 2 North x 68.6% | Unit 1/2 Area Catchment 73.4% | Unit 3 North Area Catchment x 41.2% | Unit 3 South Area x26.1% | Southern Clean Zone Area x 100% | Units |
|---|---|---|---|---|---|---|---|
| Upper and Lower Zone | 93,618 | 25,571 | 115,158 | 101,911 | 61,260 | 499,790 | ft^3/yr |
| | 256 | 70 | 316 | 279 | 168 | 1,369 | ft^3/day |
| | 1.33 | 0.36 | 1.64 | 1.45 | 0.87 | 7.11 | GPM |
| | 2,650,964 | 724,087 | 3,260,905 | 2,885,800 | 1,734,692 | 14,152,463 | L/Yr |

Water Remaining in Storm Drains and Discharged to Canal

=Storm Drain Water x X% Not Leaking to Groundwater and Not Discharging to River

| Northern Clean Area Catchment (0% Storm Drain Water) | Unit 2 North (45% Storm Drain Water) | Unit 1/2 Area Catchment (60% Storm Drain Water) | Unit 3 North Area Catchment (40% Storm Drain Water) | Unit 3 South Area (94% Storm Drain Water) | Southern Clean Zone Area (94% Storm Drain Water) | Units |
|---|---|---|---|---|---|---|
| 0 | 185,781 | 634,228 | 403,129 | 912,077 | 605,671 | ft^3/yr |
| 0 | 509 | 1,738 | 1,104 | 2,499 | 1,659 | ft^3/day |
| 0 | 2.64 | 9.03 | 5.74 | 12.98 | 8.62 | GPM |
| 0 | 5,260,724 | 17,959,324 | 11,415,350 | 25,827,138 | 17,150,684 | L/Yr |

## Facility Groundwater Flux Calculation

**Site** Indian Point
**Job No.** 17869.10

**Prepared By:** MJG
**Reviewed By:** mjb

### Water Remaining in Storm Drains and Discharged to River

| Northern Clean Area Catchment (0% Storm Drain Water) | Unit 2 North (5% Storm Drain Water) | Unit 1/2 Area Catchment (10% Storm Drain Water) | Unit 3 North Area Catchment (10% Storm Drain Water) | Unit 3 South Area (5% Storm Drain Water) | Southern Clean Zone Area (5% Storm Drain Water) | Units |
|---|---|---|---|---|---|---|
| 0 | 20,642 | 105,705 | 100,782 | 48,515 | 32,217 | ft^3/yr |
| 0 | 57 | 290 | 276 | 133 | 88 | ft^3/day |
| 0 | 0.29 | 1.50 | 1.43 | 0.69 | 0.46 | GPM |
| 0 | 584,525 | 2,993,221 | 2,853,837 | 1,373,784 | 912,270 | L/Yr |

**Notes:**

The recharge rate used herein, 0.84 ft/yr (10.0 inches/year), is within the range of values discussed in the USGS modeling report[1] The reported recharge ranged from 3.6 inches/year to 7.5 inches/year for a till to 20 inches per year for coarse grained glacially stratified deposits. A precipitation value of 3.02ft/yr, (a 10 year average measured at the Facility meteorological station) was also used in the computations. The catchment area was defined using an AutoCAD topo map for the Site and surrounding area. The catchment was defined by starting at the area marked "line of water grant" and tracking east, away from the River, to define portions of the land surface contributing water to the selected discharge zone. Calculations assume that run-off or overland flow in unimproved areas of the Site is negligible, there are no changes in storage and the Hudson River is a gaining stream.

1. USGS. Water Use, Ground-Water Recharge and Availability, and Quality of Water in the Greenwich Area, Fairfield County, Connecticut and Westchester County, New York, 2000-2002

# APPENDIX S

Analytical Groundwater Flow Model
(Basic Procedures)

- The IPEC watershed was divided in six areas constituting flow tubes. That is the areas were constructed based on groundwater contours. (See **FIGURE 6.19**)
- The area of each tube was calculated.
- The tubes were divided vertically into shallow (upper 55 feet) and deep (55 to 200 feet), and horizontally at the canal to form four zones in each flow tube. (See following sketch)
- The hydraulic conductivities of the shallow and deep zones were computed as the geometric mean of hydraulic conductivity tests performed in these zones.
- The hydraulic gradient in each zone was computed from shallow and deep piezometric contours. (See **Figures 6.19 and 6.20**)
- Portions of the flow tubes serviced by storm water management systems were identified and an estimated portion of the calculated run-off was added to the estimated areal recharge to account for recharge due to storm water system infiltration.
- The model was calibrated by trial and error. That is, an areal recharge rate was selected from a range of probable values that balanced computed groundwater flows.
- The groundwater flow to the cooling water discharge canal was taken as the difference in the Darcy flows in the stream tubes above (East or upgradient of) and below (West or downgradient of ) the canal.