# Description of Frozen Monitoring Wells Encountered During 2014 Sampling Events

Based on a comparison of well monitoring data (June and October 2014) and available well logs, as assessment of frozen monitoring wells was completed to determine which wells are likely situated in zones of discontinuous permafrost (Table 1), and which were likely frozen due to seasonal conditions (Table 2). As noted in the report, for those wells believed to be situated in discontinuous permafrost where samples were collected in the fall of 2014, there is believed to be a potential influence of permafrost melt on the samples collected.

**Table D 1** Frozen Monitoring Wells Influenced by Discontinuous Permafrost

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Well ID** | | | **2014 Event (Spring/Fall)** | **Depth to Water (m TOC)** | **Sampled (Yes/No)** |
|
| W14103083BH01 | | | Spring | 6.646 | No |
| Fall | 6.460 | No |
| W14103083BH02 | | | Spring | 6.897 | No |
| Fall | 6.130 | Yes |
| W14103083BH04 | | | Spring | 6.730 | No |
| Fall | 6.230 | Yes |
| MW09-13 | | | Spring | 8.995 | No |
| Fall | 9.020 | No |
| MW09-14 | | | Spring | 5.098 | No |
| Fall | 6.940 | No |
| MW09-15 | | | Spring | 13.947 | No |
| Fall | 13.970 | No |
| CH-P-13-01/10 | | | Spring | 2.630 | No |
| Fall | 2.710 | Yes |
| GLL07-01 | | | Spring | 12.876 | No |
| Fall | 13.890 | No |
| **Notes:** | m | meters | | | | |
|  | TOC | top of casing | | | | |
|  |  | permafrost melt water | | | | |

**Table D - 2** Frozen Monitoring Wells Influenced by Seasonal Conditions (i.e., ice plugs at top of water column broken mechanically or thawed using hot deionized water)

|  |  |  |  |
| --- | --- | --- | --- |
| **Well ID** | **2014 Event (Spring/Fall)** | **Depth to Water (m TOC)** | **Sampled (Yes/No)** |
|
| MW09-08 | Fall | 1.140 | Yes |
| MP09-03 | Fall | 0.730 | Yes |
| MP09-11 | Fall | 1.700 | Yes |
| MP09-12 | Fall | 1.680 | Yes |
| GSI-PC-02B | Fall | 0.890 | No |
| GSI-DC-05B | Fall | 0.570 | No |

**Notes:** m meters

TOC top of casing