

## BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

Freshet 2017 Monitoring Report No. 2

|            |      |                                                                                     |                                                                                      |                                                                                       |
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| Date       | Rev. | Prepared By                                                                         | Reviewed By                                                                          |                                                                                       |

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## 1. INTRODUCTION AND OBJECTIVES

This report was prepared by Baffinland Iron Mines Corporation (Baffinland) to present the results of the 2017 freshet water quality monitoring programs and document the corrective actions taken in response to sediment releases that occurred during freshet 2017 at the Mary River Project (the Project). Surface water management during freshet continues to remain a challenge at the Project, however Baffinland is committed to implementing effective control measures that improve the water quality of surface water drainage around Project sites.

Several unauthorized releases of sediment were reported to Environment and Climate Change Canada (ECCC), Indigenous and Northern Affairs Canada (INAC), Nunavut Water Board (NWB) and the NT-NU Spill Line during freshet 2017. The releases are documented in NT-NU Spill Reports 17-161, 17-162, 17-178, 17-209, 17-214 and 17-217. A copy of the original Spill Reports are provided in Appendix A. Immediate and follow up corrective actions undertaken to address the sediment releases are discussed in detail in Section 5 and Appendix C.

This report is the second and final report for freshet 2017<sup>1</sup>, and provides further detail on the monitoring and corrective actions implemented to date.

## 2. WATER QUALITY MONITORING PROGRAMS

During freshet 2017, Baffinland conducted several water quality monitoring programs at the Mary River Mine Site (Mine Site), Milne Port and along the Milne Inlet Tote Road (Tote Road). The monitoring programs conducted during freshet 2017 are discussed in the subsections below. Results for the monitoring programs, with the exception of the Surveillance Network Program (SNP), are provided in Appendix B and further discussed in Section 3 of this report.

### 2.1. Mine Site Freshet Monitoring Program

The Mine Site Freshet Monitoring Program is conducted each year to characterize the water quality of several Mine Site tributaries and drainages during the high flows experienced during freshet. The monitoring program begins each year with the start of flows at the monitoring locations (approx. May 15<sup>th</sup>) and ends on June 30<sup>th</sup> each year. The four (4) monitoring locations included in the program are outlined in Appendix B.1 and are monitored daily during freshet (approx. May 15<sup>th</sup> to June 30<sup>th</sup>) for total suspended solids (TSS), total dissolved solids (TDS), pH and turbidity.

### 2.2. Tote Road Freshet Monitoring Program

The Tote Road Freshet Monitoring Program involves visual inspections and water quality sampling near Tote Road water crossings during freshet (approx. May 15<sup>th</sup> to June 30<sup>th</sup>) each year. The program focuses on monitoring water quality conditions upstream and downstream of fisheries crossings along the Tote Road as well as addressing other sedimentation concerns identified during visual inspections. Although the program focuses on monitoring fisheries crossings, the

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<sup>1</sup> The first report "Freshet 2017 – Biweekly Report No. 1" was submitted to the NWB, INAC, ECCC and QIA on June 15, 2017.

program allows for the opportunistic identification and monitoring of non-fisheries crossings experiencing elevated TSS as a result of Project activities and natural sedimentation events. The scope of program, monitoring locations and monitored water quality parameters are outlined in Appendix D of this report.

### **2.3. Surveillance Network Program**

Water quality monitoring under the SNP is conducted each year during periods of flow as outlined in Baffinland's Type A Water Licence - 2AM-MRY1325 – Amend. 1 (Type A Water Licence). Results collected under the SNP are reported monthly to the NWB and INAC and summarized in the Annual Type A Water Licence report. With exception of the Milne Port Sedimentation East Pond (MP-05), water quality results collected under the SNP are not discussed further within this report.

### **2.4. Opportunistic Water Quality Monitoring**

During freshet of each year, additional water quality monitoring may be conducted to characterize flows associated with sedimentation events or spills and to monitor potential impacts on receiving water bodies. Additional monitoring conducted during freshet 2017 is discussed further in Section 3 and Appendix C of this report.

Baffinland's Surface Water and Aquatic Ecosystems Management Plan (BAF-PH1-830-P16-0026) will be updated in 2018 to include the monitoring programs described above.

## **3. WATER QUALITY MONITORING RESULTS AND DISCUSSION**

The following subsections discuss the water quality monitoring results as they relate to each NT-NU Spill Report. Monitoring data for water quality monitoring locations are provided in Appendix B of this report. Mitigation measures and corrective actions taken, including photographs, in response to each reported sediment release are outlined in Appendix C. For additional discussion on next steps, planned corrective actions and future monitoring at areas of concern, the reader is referred to Section 5 of this report.

Unless otherwise specified, water quality monitoring results have been compared to "Table 11: Effluent Quality Discharge Limits for Contact Water during Operations Phase and the Early Revenue Phase of the Project", provided in Baffinland's Type A Water Licence and summarized in Table 1 of this report.

### **3.1. Spill Report 17-161 - Sheardown Lake and Tributaries**

As part of the Mine Site Freshet Monitoring Program and in response to Spill Report 17-161, water quality monitoring locations LDFG-OUT and SDLT-OUT, located near tributary outfalls into Sheardown Lake, were sampled throughout freshet 2017. Coordinates and figures showing the locations of monitoring locations LDFG-OUT and SDLT-OUT are provided in Appendix B.1. Water quality results collected during freshet 2017 for monitoring locations LDFG-OUT and SDLT-OUT are provided in Appendices B.2 and B.3.

In comparing TSS results for LDFG-OUT and SDLT-OUT to the water quality criteria in Table 1, TSS exceedances of the 30 mg/L limit for grab samples were observed at SDLT-OUT from May 11, 2017 to May 24, 2017 and ranged from 326 mg/L to 60.6 mg/L. However, as shown in Figure 1, TSS concentrations at SDLT-OUT quickly decreased and remained below the 30 mg/L TSS limit for grab

samples following May 24, 2017. No exceedances of the 30 mg/L TSS limit for grab samples were observed at LDFG-OUT.

Based on the available data presented in Appendix B.2, LDFG-OUT had an average TSS concentration during May and June 2017 of 4.6 and 4.0 mg/L, respectively. SDLT-OUT had an average TSS concentration during May and June 2017 of 58.6 mg/L and 6.1 mg/L, respectively. A drop in ambient temperatures resulted in freeze up of Sheardown Lake tributaries at the monitoring locations between May 17, 2017 and May 23, 2017, preventing the collection of water samples at LDFG-OUT and SDLT-OUT during this period.

On May 16, 2017, additional water sampling for acute toxicity, metals, anions, nutrients and total oil & grease was conducted at SDLT-OUT. As shown in Appendix B.3, the acute toxicity sample collected at SDLT-OUT was analyzed by Aquatox Testing and Consulting Inc. (Aquatox) and determined to be acutely non-toxic.

A similar sample set, excluding acute toxicity, was collected on June 9, 2017 at both LDFG-OUT and SDLT-OUT. Results for the additional parameters collected on May 16, 2017 and June 9, 2017, are provided in Appendix B.2.

### **3.2. Spill Report 17-162 - Camp Lake Surface Water Drainage**

As part of the Mine Site Freshet Monitoring Program and in response to Spill Report 17-162, monitoring locations CLT-OUT and CLSP-OUT were sampled throughout freshet 2017. CLT-OUT is located near the outfall of Camp Lake Tributary 1. CLSP-OUT is located down gradient of site runoff sedimentation ponds/check dams located near the Camp Lake Water Jetty, referred to as the Camp Lake Sedimentation Ponds. Coordinates and figures showing the exact locations of monitoring locations CLT-OUT and CLSP-OUT are provided in Appendix B.1. Water quality results collected during freshet 2017 for monitoring locations CLT-OUT and CLSP-OUT are provided in Appendices B.2 and B.3.

In comparing TSS results for CLT-OUT and CLSP-OUT to the water quality criteria in Table 1, TSS exceedances of the 30 mg/L limit for grab samples were observed at CLT-OUT from May 13, 2017 to May 25, 2017 and ranged from 463 mg/L to 30.4 mg/L. TSS exceedances of the 30 mg/L limit for grab samples were observed at CLSP-OUT from May 17, 2017 to June 16, 2017 and ranged from 787 mg/L and 30.8 mg/L. However, as shown in Figure 2, TSS concentrations at CLT-OUT quickly decreased and remained below the 30 mg/L TSS limit for grab samples following May 24, 2017. In contrast, CLSP-OUT experienced sporadic TSS exceedances above 30 mg/L until June 16, 2017. It should be noted that some of the sporadic TSS exceedances documented at CLSP-OUT may have been a result of sampling error (i.e. enhanced suspension of sediments) due to the shallow depth of flows at CLSP-OUT. Baffinland will consider relocating CLSP-OUT in 2018 in order to ensure TSS results are reflective of surface water quality conditions.

Based on the available data presented in Appendix B.2, CLT-OUT had an average TSS concentration during May and June 2017 of 167 mg/L and 6.6 mg/L, respectively. Average TSS concentrations during May and June 2017 at CLSP-OUT were 232 mg/L and 43 mg/L, respectively. A drop in ambient temperature resulted in freeze up of surface water at monitoring locations during the second and third week of May, preventing the collection of water samples at CLT-OUT and CLSP-OUT.

On May 16, 2017, additional water sampling for acute toxicity, metals, anions, nutrients and total oil & grease was conducted at CLT-OUT. As shown in Appendix B.3, the acute toxicity sample collected at CLT-OUT was analyzed by Aquatox and determined to be acutely non-toxic.

A similar sample set, excluding acute toxicity, was collected on June 9, 2017 at CLT-OUT. Results for the additional parameters collected on May 16, 2017 and June 9, 2017 are provided in Appendix B.2.

### **3.3. Spill Report 17-178 - Milne Inlet (Milne Port Sedimentation Pond Overflow and Emergency Discharge)**

Effluent water quality was monitored during the overflow and discharge of Milne Port Sedimentation Pond (MP-05) into Milne Inlet during freshet 2017. Coordinates and figures showing the exact location of MP-05 and the locations of beach erosion are provided in Appendix B.1. Water quality results collected during freshet 2017 for MP-05 are provided in Appendices B.2 and B.3.

Effluent water quality results for MP-05 were compared to the criteria listed in “Table 10: Effluent Quality Discharge Limits for Open Pit, Stockpiles, and Sedimentation Ponds”, provided in Baffinland’s Type A Water Licence for the Mary River Project and summarized in Table 2 of this report.

In reviewing the MP-05 effluent water quality results for 2017 discharges, TSS results exceeded water quality discharge criteria during discharges to Milne Inlet on May 26 to May 30, 2017 and on June 6, 2017. Water quality samples collected on June 8 and 14 were collected following MP-05 effluent discharges to Milne Inlet, and confirmed TSS concentrations had returned to below the 15 mg/L TSS limit within the sedimentation pond. Besides the noted TSS exceedances, no other exceedances of the applicable discharge criteria were observed during freshet 2017 at MP-05.

Figure 3 shows the TSS concentrations for MP-05 effluent discharges to Milne Inlet during May and June 2017. It should be noted that in some cases multiple surface water samples (TSS measurements) were collected on the same day during MP-05 discharges to Milne Inlet. In such cases, a number was added to sample ID for each consecutive sample taken at MP-05 (i.e. MP-05-1, MP-05-2, etc.).

### **3.4. Spill Report 17-209 - Tote Road Water Crossings**

As part of the Tote Road Freshet Monitoring Program and in response to Spill Report 17-209, select Tote Road water crossings were monitored upstream and downstream of the Tote Road. The scope of program, monitoring locations and monitored water quality parameters are outlined in Appendix D. Monitored Tote Road water crossings that experienced TSS exceedances during freshet 2017 are outlined in Table 4 and Appendix B.1.

Water quality results collected under the Tote Road Freshet Monitoring Program were compared to the criteria outlined in Table 1 and are provided in Appendix B.2. TSS concentrations at monitored Tote Road water crossings during freshet 2017 are summarized in Table 4.

Of the Tote Road water crossings that had a documented TSS exceedance during freshet 2017, as shown in Table 4 and Appendix B.1, more than half of the water crossings had been previously identified as requiring upgrade or repair in Baffinland's Tote Road Earthworks Execution Plan (TREETP)<sup>2</sup>. Baffinland continues to implement the TREETP to address water crossings with observed sedimentation issues and improve the water quality of surface water drainage along the Tote Road.

### 3.5. Spill Report 17-214 – Milne Port Beach Erosion Event

Due to the short-lived nature of the sediment release associated with Spill Report 17-214, water quality samples were not able to be collected during the event. Mitigation measures and corrective actions taken, including photographs, in response to the sediment release are presented and further discussed in Appendix C. Future monitoring of the impacted tributary is further discussed in Section 5.

### 3.6. Spill Report 17-217 - Milne Port New Camp Pad Construction

In response to the Inspector's Direction<sup>3</sup> issued to Baffinland on June 9, 2017 by INAC, water quality monitoring of flows associated with the ephemeral drainage impacted by the construction of the unauthorized camp pad at Milne Port was conducted. Water quality was monitored upstream and downstream of the new camp pad by establishing monitoring stations CV-175-PAD-US (upstream) and CV-175-PAD-DS (downstream). It should be noted that the monitoring stations were established and monitored during freshet 2017 prior to the construction of the surface water diversion ditch, completed in late October 2017, which was installed in response to the Inspectors Direction and detailed in Water Licence Modification Request No. 3a.

In comparing the TSS concentrations for the monitoring stations to the water quality criteria in Table 1, CV-175-PAD-US exceeded the TSS 30 mg/L limit for grab samples on June 12, 14 and 15 with TSS concentrations of 104 mg/L, 79.5 mg/L and 79.2 mg/L, respectively, while CV-175-PAD-DS exceeded the TSS 30 mg/L limit for grab samples on June 15 with a TSS concentration of 33.1 mg/L. The minor TSS exceedance at CV-175-DS on June 15, 2017 suggests limited sediment loading on the ephemeral, non-fish bearing receiving water bodies downstream as a result of the constructed pad. As shown in Figure 4, TSS concentrations were observed to be their highest upstream of the pad and decreased to below the 30 mg/L TSS limit for grab samples following June 16, 2017 and remained below 30 mg/L for the remainder of freshet 2017.

Based on the available data presented in Appendix B.2, monitoring stations CV-175-PAD-US and CV-175-PAD-DS had an average TSS concentration in June 2017 of 22.8 mg/L and 8.0 mg/L, respectively.

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<sup>2</sup> Baffinland. 2017. Mary River Project – Tote Road Earthworks Execution Plan and Design Report. April 2017. (Developed by Golder Associates)

<sup>3</sup> INAC. 2017. INAC Inspector's Direction issued to Baffinland. June 9, 2017.

#### 4. NATURAL SEDIMENTATION EVENTS

Significant natural sedimentation events in the Mary Lake system (Mine Site) and Phillips Creek (Tote Road & Milne Port) were documented in 2016 and included in Baffinland's 2016 QIA and NWB Annual Report for Operations<sup>4</sup>. Water quality monitoring of affected water bodies during these events identified TSS concentrations as high as 600 mg/L.

Data collected under the Tote Road Freshet Monitoring Program during freshet 2017 indicated naturally elevated TSS levels upstream of several water crossings, including known fish bearing water crossings BG-17, BG-27, BG-30, BG-32, CV-049, CV-060, CV-186, CV-187 and CV-224.

Baffinland will continue to monitor the water quality of surface water flows upstream of Project infrastructure to characterize the natural sediment loading of water bodies within the Project area during freshet.

#### 5. CORRECTIVE ACTIONS TAKEN AND PLANNED BY SPILL REPORT

A number of corrective actions were undertaken to address sediment releases documented in the Spill Reports and submitted to authorities during freshet 2017. Consistent with Baffinland's Surface Water and Aquatic Ecosystems Management Plan, immediate corrective and mitigative actions taken during freshet 2017 in response to reported sediment releases included one or more of the following:

- ) Silt fence and spring berm installation;
- ) Check dam construction and operation;
- ) Armouring of ditches, banks, swales and road embankments near water bodies; and,
- ) Redirection of sediment / turbid waters away from fish habitat by means of ditches, swales, and active pumping.

Corrective measures taken in 2017 for each Spill Report and/or area of concern, including photographs, are presented in Appendix C.

The subsections below, discuss the corrective actions and future monitoring planned for each Spill Report and/or area of concern.

##### 5.1.1. Spill Report 17-161 - Sheardown Lake and Tributaries

As shown in the water quality monitoring results reported in Appendix B and discussed in Section 3, sedimentation concerns associated with Spill Report 17-161 and the Sheardown Lake catchment during freshet 2017, focused on Sheardown Lake Tributary 1.

Sheardown Lake Tributary 1 has two (2) Tote Road water crossings (CV-186 and CV-187) at the Mine Site, upstream of monitoring location SDLT-OUT. As detailed in Appendix C.1, both water crossings were repaired and upgraded in 2017 as proposed in the Tote Road Earthworks Execution Plan (TREEP). These upgrades to CV-186 and CV-187 are expected to improve the management of surface water drainage around the crossings and in turn

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<sup>4</sup> Baffinland. 2017. 2016 QIA and NWB Annual Report for Operations. March 31, 2017.

improve the water quality of Sheardown Lake Tributary 1 during the high flows experienced during freshet.

To assess the performance of these water crossing upgrades and document the water quality of surface water drainage within the Sheardown Lake catchment area during freshet, Baffinland plans to continue the Mine Site Freshet Monitoring Program in 2018.

#### **5.1.2. Spill Report 17-162 - Camp Lake Surface Water Drainage**

As shown in the water quality monitoring results reported in Appendix B and discussed in Section 3, surface water drainage near the Camp Lake Sedimentation Ponds and Camp Lake Tributary 1 outfall demonstrated elevated TSS during freshet 2017.

As detailed in Appendix C.2, Baffinland continued to upgrade the surface water management infrastructure upstream of the Camp Lake Sedimentation Ponds and Camp Lake Tributary 1 by installing additional check dams and rip rap to mitigate sedimentation. Furthermore, Baffinland upgraded the Tote Road water crossing BG-01 associated with Camp Lake Tributary 1 and upstream of monitoring location CLT-OUT. These upgrades are expected to improve the surface water management and in turn improve the water quality of surface water drainage within the Camp Lake catchment area during the high flows experienced during freshet.

To further assess the performance of these surface water management upgrades and document the water quality of Camp Lake drainage during freshet, Baffinland plans to continue the Mine Site Freshet Monitoring Program in 2018.

#### **5.1.3. Spill Report 17-178 - Milne Inlet (Milne Port Sedimentation Pond Overflow and Emergency Discharge)**

Baffinland plans to mitigate future sedimentation pond overflows or emergency discharges at Milne Port by improving snow and surface water management at Milne Port in 2018.

Baffinland is currently revising the Snow Management Plan (BAF-PH1-300-P16-0002) to improve snow management at Project sites and reduce the volume of unimpacted snowmelt from entering the Milne Port Ore Stockpile Sedimentation Ponds.

In addition, improvements to surface water management infrastructure at Milne Port are planned for implementation in 2018. Proposed improvements focus on the construction of diversion ditches that will divert external drainage from entering the Milne Port site. Baffinland will seek approval of the proposed surface water management improvements by submitting a water licence modification request to the NWB in early 2018.

#### **5.1.4. Spill Report 17-209 - Tote Road Water Crossings**

Baffinland plans to continue to upgrade surface water management infrastructure along the Tote Road as outlined in the Tote Road Earthworks Execution Plan (TREEP) in order to mitigate future sediment releases and improve the water quality of surface water drainage near the Tote Road. A complete list of repairs and upgrades completed at Tote Road water

crossings during 2017 are presented in Baffinland's Annual Tote Road Monitoring Report for the Department of Fisheries and Oceans Canada (DFO)<sup>5</sup>.

To further assess the performance of the surface water management upgrades completed in 2017 and document the water quality of Tote Road surface water drainage during freshet, Baffinland plans to continue the Tote Road Freshet Monitoring Program in 2018.

#### **5.1.5. Spill Report 17-214 – Milne Port Beach Erosion Event**

Field observations associated with Spill Report 17-214, indicate that sediment releases and erosion events were the result of the formation and release of ice/snow dams that temporarily diverted the tributary's flow path and eventual outfall to Milne Inlet.

Informed by the field observations documented in freshet 2017, regular inspections will be performed on the tributary during freshet 2018 to assess and potentially mitigate similar events in future.

#### **5.1.6. Spill Report 17-217 - Milne Port New Camp Pad Construction**

Following Baffinland's receipt of the INAC Inspector's Direction<sup>6</sup> on June 9, 2017, Baffinland submitted to the NWB Water Licence Modification Request No. 3a to construct a diversion ditch to redirect impacted surface water flows around the pad. On September 8, 2017, the NWB issued to Baffinland an approval letter<sup>7</sup> to construct the Diversion Ditch around the camp pad. Construction of the diversion ditch was completed on October 26, 2017.

Baffinland Projects and Operations departments, with water quality monitoring support from the Site Environment department, will assess the performance of the diversion ditch during freshet 2018. Inflow and discharge from the diversion ditch will be compared to water quality criteria outlined in Table 1 and included as part of the Project's Surveillance Network Program outlined in Section 2.3.

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<sup>5</sup> Baffinland. 2017. Mary River Project – Fish Habitat Monitoring – 2017 Annual Report Early Revenue Phase Tote Road Upgrades. December 31, 2017.

<sup>6</sup> INAC. 2017. INAC Inspector's Direction issued to Baffinland. June 9, 2017.

<sup>7</sup> NWB. 2017. Licence No. 2AM-MRY1325 Type "A" – Modification Application (No. 3a) by Baffinland Iron Mines Corporation for Construction of a Proposed Surface Water Diversion System at the Milne Port Site of the Mary River Mine Project. September 8, 2017.

## 6. CONCLUSION

Baffinland continues to assess the sedimentation control and mitigation measures used at the Project to improve the water quality of surface water drainage and mitigate Project related sediment releases to receiving water bodies. In addition to implementing sedimentation control measures, as outlined in Baffinland's Surface Water and Aquatic Ecosystems Management Plan, Baffinland continued to upgrade the surface water management infrastructure at Project sites in 2017 and implement mitigation measures and corrective actions outlined in Baffinland's Sedimentation Mitigation Action Plan<sup>8</sup> and Tote Road Earthworks Execution Plan (TREETP). A complete list of repairs and upgrades completed at Tote Road water crossings during 2017 are presented in Baffinland's Annual Tote Road Monitoring Report for DFO.

Although several exceedances of TSS criteria outlined in Baffinland's Type A Water Licence were reported during freshet 2017, the implementation of the above mentioned plans have improved surface water management in areas of the Project, as noted by the INAC Inspector in INAC's May 2017 Water Licence Inspection Report<sup>9</sup>, stating "the Tote Road showed signs of improvement from the previous year during freshet".

Moreover, in reviewing the water quality data collected during freshet, several natural sedimentation events were observed upstream of Project infrastructure in 2017 with maximum TSS levels similar to natural sedimentation events observed in 2016. Baffinland will continue to evaluate the potential to differentiate between natural sedimentation events and sedimentation events attributed to or exacerbated by the Project infrastructure. Baffinland may consider the development of freshet-specific water quality criteria for surface water drainage during freshet, subject to regulatory review and approval, given the prevalence of naturally elevated TSS in water bodies near the Project during the freshet.

Baffinland remains committed to implementing effective control measures that improve the water quality of surface water drainage and mitigate future sediment releases at the Mary River Project.

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<sup>8</sup> Baffinland. 2017. Mary River Project – Sedimentation Mitigation Action Plan (Rev. 1). September 29, 2016. (Developed by Golder Associates)

<sup>9</sup> INAC. 2017. May 2017 Water Licence Inspection Report. June 20, 2017.

## TABLES

**Table 1 - Effluent Quality Discharge Limits for Contact Water during the Operations Phase and the Early Revenue Phase of the Project  
(Type A Water Licence – 2AM-MRY1325 – Table 11)**

| Parameter                    | Maximum Average Concentration (mg/L) | Maximum Concentration of any Grab Sample (mg/L) |
|------------------------------|--------------------------------------|-------------------------------------------------|
| Total Suspended Solids (TSS) | 15                                   | 30                                              |
| Oil and Grease               | No Visible Sheen                     | No Visible Sheen                                |
| pH                           | Between 6.0 and 9.5                  | Between 6.0 and 9.5                             |

**Table 2 - Effluent Quality Discharge Limits for Open Pit, Stockpiles, and Sedimentation Ponds  
(Type A Water Licence – 2AM-MRY1325 – Table 10)**

| Parameter                    | Maximum Concentration of any Grab Sample (mg/L) |
|------------------------------|-------------------------------------------------|
| Total Arsenic                | 0.50                                            |
| Total Copper                 | 0.30                                            |
| Total Lead                   | 0.20                                            |
| Total Nickel                 | 0.50                                            |
| Total Zinc                   | 0.50                                            |
| Total Suspended Solids (TSS) | 15.0                                            |
| Oil and Grease               | No Visible Sheen                                |
| Toxicity                     | Not Acutely Toxic                               |
| pH                           | Between 6.0 and 9.5                             |

**Table 3 - Volume and Total Suspended Solids (TSS) Concentration for Effluent Discharged from MP-05 during Freshet 2017**

| Date                                                | Volume Discharged (m <sup>3</sup> ) | Average TSS Concentration (mg/L) <sup>1</sup> |
|-----------------------------------------------------|-------------------------------------|-----------------------------------------------|
| May 25, 2017 (Pre-discharge)                        | 0                                   | 0                                             |
| May 26, 2017                                        | 2,000                               | 98.7 (4)                                      |
| May 27, 2017                                        | 2,000                               | 15.7 (5)                                      |
| May 28, 2017                                        | 1,500                               | 39.4 (4)                                      |
| May 29, 2017                                        | 2,000                               | 35.3 (4)                                      |
| May 30, 2017                                        | 2,000                               | 23.8 (3)                                      |
| May 31, 2017                                        | 351                                 | -                                             |
| June 1, 2017                                        | 156                                 | -                                             |
| June 2, 2017                                        | 351                                 | -                                             |
| June 3, 2017                                        | 7,500                               | -                                             |
| June 4, 2017                                        | 0                                   | -                                             |
| June 5, 2017                                        | 234                                 | -                                             |
| June 6, 2017                                        | 468                                 | 15.7 (1)                                      |
| June 7, 2017 <sup>2</sup>                           | 351                                 | -                                             |
| June 8, 2017                                        | 0                                   | 12.4 (1)                                      |
| June 14, 2017                                       | 0                                   | 14.4 (1)                                      |
| <b>Cumulative Volume Discharged (m<sup>3</sup>)</b> | <b>18,911</b>                       | <b>-</b>                                      |

<sup>1</sup> Values in brackets indicate the number of TSS measurements used to calculate average TSS concentrations

<sup>2</sup> Effluent from MP-05 was not discharged to Milne Inlet in June following June 7, 2017.

Table 4 – Summary of TSS Concentrations at Tote Road Water Crossings during Freshet 2017

| Sample Date                                                     | TSS Criteria Limit (mg/L) | BG01-DS     | BG01-US | BG04-DS | BG04-US | BG17-DS | BG17-US | BG24-DS     | BG24-US | BG27-DS | BG27-US | BG29-DS | BG29-US | BG30-DS |
|-----------------------------------------------------------------|---------------------------|-------------|---------|---------|---------|---------|---------|-------------|---------|---------|---------|---------|---------|---------|
| 12-May-17                                                       | 30                        | -           | -       | -       | -       | -       | -       | -           | -       | -       | -       | -       | -       | -       |
| 17-May-17                                                       | 30                        | 127         | -       | -       | -       | -       | -       | -           | -       | -       | -       | -       | -       | -       |
| 18-May-17                                                       | 30                        | 109         | -       | -       | -       | -       | -       | -           | -       | -       | -       | -       | -       | -       |
| 19-May-17                                                       | 30                        | 8.4         | -       | -       | -       | -       | -       | NS          | 29.2    | -       | -       | -       | -       | NS      |
| 20-May-17                                                       | 30                        | 10.8        | -       | -       | -       | -       | -       | -           | -       | -       | -       | -       | -       | -       |
| 21-May-17                                                       | 30                        | 198         | -       | -       | -       | -       | -       | -           | -       | -       | -       | -       | -       | -       |
| 22-May-17                                                       | 30                        | 211         | -       | -       | -       | -       | -       | -           | -       | -       | -       | -       | -       | -       |
| 23-May-17                                                       | 30                        | 40.8 / 84.4 | 7.6     | -       | -       | 245     | 142     | -           | -       | 765     | 1860    | -       | -       | 660     |
| 24-May-17                                                       | 30                        | 84          | -       | -       | -       | -       | -       | -           | -       | -       | -       | -       | -       | -       |
| 25-May-17                                                       | 30                        | 24          | -       | -       | -       | -       | -       | -           | -       | -       | -       | -       | -       | -       |
| 26-May-17                                                       | 30                        | 32.4        | -       | -       | -       | -       | -       | -           | -       | -       | -       | -       | -       | -       |
| 27-May-17                                                       | 30                        | 14.4        | -       | -       | -       | -       | -       | -           | -       | -       | -       | -       | -       | -       |
| 28-May-17                                                       | 30                        | 14.4 / 17.6 | 10      | 27.6    | 29.6    | 65      | 68.5    | 61.5        | 54.4    | 110     | 271     | -       | -       | 365     |
| 29-May-17                                                       | 30                        | 2           | -       | -       | -       | -       | -       | -           | -       | -       | -       | -       | -       | -       |
| 30-May-17                                                       | 30                        | 6.4         | -       | -       | -       | -       | -       | -           | -       | -       | -       | -       | -       | -       |
| 31-May-17                                                       | 30                        | 8.8         | -       | -       | -       | -       | -       | -           | -       | -       | -       | -       | -       | -       |
| 1-Jun-17                                                        | 30                        | 24.4        | -       | -       | -       | -       | -       | -           | -       | -       | -       | -       | -       | -       |
| 2-Jun-17                                                        | 30                        | 15.2 / 33.6 | 14      | 195     | 20      | -       | -       | -           | -       | -       | -       | -       | -       | -       |
| 3-Jun-17                                                        | 30                        | -           | -       | -       | -       | -       | -       | -           | -       | -       | -       | -       | -       | -       |
| 4-Jun-17                                                        | 30                        | 6           | -       | -       | -       | 12.1    | 6.4     | 77.6 / 26.2 | 28.8    | 26.2    | 101     | NS      | 2.1     | 64.9    |
| 5-Jun-17                                                        | 30                        | 14.4        | -       | -       | -       | -       | -       | -           | -       | -       | -       | -       | -       | -       |
| 6-Jun-17                                                        | 30                        | 13.6        | -       | -       | -       | -       | -       | -           | -       | -       | -       | -       | -       | -       |
| 7-Jun-17                                                        | 30                        | 4           | -       | -       | -       | -       | -       | -           | -       | -       | -       | -       | -       | -       |
| 8-Jun-17                                                        | 30                        | 2.8         | -       | -       | -       | -       | -       | -           | -       | -       | -       | -       | -       | -       |
| 9-Jun-17                                                        | 30                        | 4           | -       | -       | -       | -       | -       | -           | -       | -       | -       | -       | -       | -       |
| 10-Jun-17                                                       | 30                        | 2.8         | -       | 7.4     | 2       | 4.7     | 6.8     | 32.6        | 22.6    | 67.9    | 41.1    | 6.2     | 10.3    | 26.6    |
| 11-Jun-17                                                       | 30                        | 4.8 / 11.3  | 6.8     | -       | -       | -       | -       | -           | -       | -       | -       | -       | -       | -       |
| 12-Jun-17                                                       | 30                        | 8.6         | -       | -       | -       | -       | -       | -           | -       | -       | -       | -       | -       | -       |
| 13-Jun-17                                                       | 30                        | 2           | -       | -       | -       | -       | -       | -           | -       | -       | -       | -       | -       | -       |
| 14-Jun-17                                                       | 30                        | 2.8         | -       | -       | -       | -       | -       | -           | -       | -       | -       | -       | -       | -       |
| 15-Jun-17                                                       | 30                        | 9.6         | -       | -       | -       | -       | -       | -           | -       | -       | -       | -       | -       | -       |
| 16-Jun-17                                                       | 30                        | 3.6         | -       | 3.5     | 2.4     | -       | -       | -           | -       | -       | -       | -       | -       | -       |
| 17-Jun-17                                                       | 30                        | 6.2 / 3.2   | 7.2     | 2.7     | 9.7     | 3.9     | 2       | -           | -       | 14.3    | 7.9     | 12.6    | 7.1     | 8.5     |
| 18-Jun-17                                                       | 30                        | 4           | -       | -       | -       | -       | -       | -           | -       | -       | -       | -       | -       | -       |
| 20-Jun-17                                                       | 30                        | -           | -       | -       | -       | -       | -       | 5.3         | 5.4     | -       | -       | -       | -       | -       |
| 23-Jun-17                                                       | 30                        | 2           | 2       | 2       | 5.6     | 2       | 2       | -           | -       | 4.5     | 2       | 3       | 3.5     | 4.1     |
| 24-Jun-17                                                       | 30                        | -           | -       | -       | -       | -       | -       | 3.8         | 2       | -       | -       | -       | -       | -       |
| 29-Jun-17                                                       | 30                        | -           | -       | -       | -       | -       | -       | <2.0        | 2       | -       | -       | -       | -       | -       |
| 30-Jun-17                                                       | 30                        | -           | -       | -       | -       | -       | -       | -           | -       | -       | -       | -       | -       | -       |
| 1-Jul-17                                                        | 30                        | <2.0        | -       | 2.5     | <2.0    | 3       | <2.0    | 3.1         | 2       | 25.7    | <2.0    | 5       | <2.0    | 3.4     |
| 2-Jul-17                                                        | 30                        | -           | <2.0    | -       | -       | -       | -       | -           | -       | -       | -       | -       | -       | -       |
| Mean May TSS Concentration <sup>2</sup>                         | 15                        | 58.4        | 8.8     | 27.6    | 29.6    | 245.0   | 142.0   | -           | 29.2    | -       | -       | -       | -       | 512.5   |
| Mean June/July TSS Concentration <sup>3</sup>                   | 15                        | 8.2         | 6.4     | 35.5    | 7.0     | 5.1     | 3.8     | 21.5        | 10.5    | 27.7    | 30.8    | 6.7     | 5.0     | 21.5    |
| Number of Samples Collected                                     | -                         | 39          | 7       | 7       | 7       | 6       | 6       | 7           | 7       | 5       | 5       | 4       | 5       | 7       |
| Number of Samples with a TSS Concentration Greater than 30 mg/L | -                         | 9           | 0       | 1       | 0       | 1       | 1       | 2           | 0       | 1       | 2       | 0       | 0       | 3       |

Notes:

<sup>1</sup> Effluent Quality Discharge Limits for Contact Water (Table 11) - Type A Water Licence 2AM-MRY1325 - Amend. 1

<sup>2</sup> Inclusive of TSS results collected from May 1, 2017 to May 31, 2017.

<sup>3</sup> Inclusive of TSS results collected from June 1, 2017 to July 2, 2017.

A value equal to the MDL (2 mg/L) was used in calculating monthly means for samples with a TSS concentration below the MDL.

Values highlighted in red text exceeded applicable water quality criteria limits.

Values highlighted in bold and red text identify upstream samples that exceed 30 mg/L TSS.

NS<sup>1</sup> indicates that no sample was taken in tandem with an upstream or downstream sample due to safety concerns and/or lack of an accessible sampling location.

Samples collected determined to be not representative of conditions due to limited flow (i.e sampling of stagnant or pooling water). Results are not included in the calculations and discussion of the report.

Table 4 – Summary of TSS Concentrations at Tote Road Water Crossings during Freshet 2017 cont'd

| Sample Date                                                     | BG30-US | BG32-DS | BG32-US | BG50-DS | BG50-US | CV001-DS | CV001-US | CV030-DS | CV030-US | CV049-DS | CV049-US | CV057-DS | CV057-US | CV058-DS |
|-----------------------------------------------------------------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 12-May-17                                                       | -       | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 17-May-17                                                       | -       | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 18-May-17                                                       | -       | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 19-May-17                                                       | 12      | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 20-May-17                                                       | -       | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 21-May-17                                                       | -       | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 22-May-17                                                       | -       | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 23-May-17                                                       | 690     | -       | -       | -       | -       | 144      | 118      | -        | -        | -        | -        | -        | -        | -        |
| 24-May-17                                                       | -       | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 25-May-17                                                       | -       | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 26-May-17                                                       | -       | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 27-May-17                                                       | -       | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 28-May-17                                                       | 341     | 136     | 240     | -       | -       | 11.6     | 14       | -        | -        | 6        | NS       | -        | -        | -        |
| 29-May-17                                                       | -       | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 30-May-17                                                       | -       | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 31-May-17                                                       | -       | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 1-Jun-17                                                        | -       | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 2-Jun-17                                                        | -       | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 3-Jun-17                                                        | -       | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 4-Jun-17                                                        | 53      | 27      | 3.6     | -       | -       | -        | -        | 11.6     | 9        | 12.4     | NS       | -        | -        | 16.3     |
| 5-Jun-17                                                        | -       | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 6-Jun-17                                                        | -       | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 7-Jun-17                                                        | -       | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 8-Jun-17                                                        | -       | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 9-Jun-17                                                        | -       | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 10-Jun-17                                                       | NS      | 28.4    | 3.8     | -       | -       | 2        | 2        | -        | -        | -        | -        | -        | -        | -        |
| 11-Jun-17                                                       | -       | -       | -       | -       | -       | -        | -        | 2        | 2        | 3.9      | 2.7      | 12.8     | 9.2      | 7.7      |
| 12-Jun-17                                                       | -       | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 13-Jun-17                                                       | -       | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 14-Jun-17                                                       | -       | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 15-Jun-17                                                       | -       | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 16-Jun-17                                                       | -       | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | 6        |
| 17-Jun-17                                                       | 4.6     | 23.8    | 2       | 27      | 2       | 2        | NS       | 2.9      | 2        | 2.9      | 51       | 2        | 7.3      | -        |
| 18-Jun-17                                                       | -       | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 20-Jun-17                                                       | -       | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | 3.5      |
| 23-Jun-17                                                       | 2       | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | 2        | -        | 2        |
| 24-Jun-17                                                       | -       | 3.3     | 2       | 2       | 2       | 2        | 2        | 2        | 2        | 2        | 2        | -        | 2        | -        |
| 29-Jun-17                                                       | -       | -       | -       | <2.0    | <2.0    | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 30-Jun-17                                                       | -       | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 1-Jul-17                                                        | 2.5     | 2.3     | <2.0    | -       | -       | 3.5      | <2.0     | <2.0     | <2.0     | <2.0     | <2.0     | <2.0     | <2.0     | <2.0     |
| 2-Jul-17                                                        | -       | -       | -       | -       | -       | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| Mean May TSS Concentration <sup>2</sup>                         | 347.7   | 136.0   | 240.0   | -       | -       | 11.6     | 14.0     | -        | -        | 6.0      | -        | -        | -        | -        |
| Mean June/July TSS Concentration <sup>3</sup>                   | 15.5    | 17.0    | 2.7     | 10.3    | 2.0     | 2.4      | 2.0      | 4.1      | 3.4      | 4.6      | 14.4     | 4.7      | 5.1      | 6.3      |
| Number of Samples Collected                                     | 7       | 6       | 6       | 3       | 3       | 5        | 4        | 5        | 5        | 6        | 4        | 4        | 4        | 6        |
| Number of Samples with a TSS Concentration Greater than 30 mg/L | 3       | 1       | 1       | 0       | 0       | 0        | 0        | 0        | 0        | 0        | 1        | 0        | 0        | 0        |

Notes:

<sup>1</sup> Effluent Quality Discharge Limits for Contact Water (Table 11) - Type A Water Licence 2AM-MRY1325 - Amend. 1

<sup>2</sup> Inclusive of TSS results collected from May 1, 2017 to May 31, 2017.

<sup>3</sup> Inclusive of TSS results collected from June 1, 2017 to July 2, 2017.

A value equal to the MDL (2 mg/L) was used in calculating monthly means for samples with a TSS concentration below the MDL.

Values highlighted in red text exceeded applicable water quality criteria limits.

Values highlighted in bold and red text identify upstream samples that exceed 30 mg/L TSS.

NS' indicates that no sample was taken in tandem with an upstream or downstream sample due to safety concerns and/or lack of an accessible sampling location.

Samples collected determined to be not representative of conditions due to limited flow (i.e sampling of stagnant or pooling water). Results are not included in the calculations and discussion of the report.

Table 4 – Summary of TSS Concentrations at Tote Road Water Crossings during Freshet 2017 cont'd

| Sample Date                                                     | CV058-US | CV059-DS | CV059-US | CV060-DS | CV060-US | CV071-DS | CV071-US | CV072-DS | CV072-US | CV076-DS | CV076-US | CV078-DS | CV078-US | CV079-DS |
|-----------------------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 12-May-17                                                       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 17-May-17                                                       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 18-May-17                                                       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 19-May-17                                                       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 20-May-17                                                       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 21-May-17                                                       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 22-May-17                                                       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 23-May-17                                                       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 24-May-17                                                       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 25-May-17                                                       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 26-May-17                                                       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 27-May-17                                                       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 28-May-17                                                       | -        | -        | -        | 22       | 26.4     | 128      | 141      | -        | -        | 9.2      | 9.2      | -        | -        | -        |
| 29-May-17                                                       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 30-May-17                                                       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 31-May-17                                                       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 1-Jun-17                                                        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 2-Jun-17                                                        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 3-Jun-17                                                        | -        | -        | -        | 50.5     | 30.2     | 326      | 314      | NS       | 247      | 34.5     | 34.6     | -        | -        | -        |
| 4-Jun-17                                                        | 7        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 5-Jun-17                                                        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 6-Jun-17                                                        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 7-Jun-17                                                        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 8-Jun-17                                                        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 9-Jun-17                                                        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 10-Jun-17                                                       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 11-Jun-17                                                       | 4.1      | 30       | 5.9      | 7.4      | 5.4      | 57.5     | NS       | -        | -        | 4.2      | 6.6      | 11       | 6.7      | 71.1     |
| 12-Jun-17                                                       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 13-Jun-17                                                       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 14-Jun-17                                                       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 15-Jun-17                                                       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 16-Jun-17                                                       | 2        | 28.8     | 4.8      | 3.8      | 2        | 68.4     | 15.7     | -        | -        | -        | -        | -        | -        | -        |
| 17-Jun-17                                                       | -        | -        | -        | -        | -        | -        | -        | -        | -        | 2        | 3.1      | 7.1      | 3.6      | 13       |
| 18-Jun-17                                                       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 20-Jun-17                                                       | 2        | 2.5      | 4        | 2        | 2        | 10.2     | 161      | 4.5      | 5        | 2        | 2        | 354      | 300      | 2.5      |
| 23-Jun-17                                                       | 2        | -        | -        | 2.3      | 2        | 2        | 5.5      | 2        | 2        | 2        | 2        | 3.5      | 3        | 13.5     |
| 24-Jun-17                                                       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 29-Jun-17                                                       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | <2.0     | <2.0     | -        |
| 30-Jun-17                                                       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 1-Jul-17                                                        | <2.0     | <2.0     | <2.0     | <2.0     | <2.0     | 2.6      | <2.0     | <2.0     | <2.0     | <2.0     | 2.9      | -        | -        | 6.1      |
| 2-Jul-17                                                        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| Mean May TSS Concentration <sup>2</sup>                         | -        | -        | -        | 22.0     | 26.4     | 128.0    | 141.0    | -        | -        | 9.2      | 9.2      | -        | -        | -        |
| Mean June/July TSS Concentration <sup>3</sup>                   | 3.2      | 15.8     | 4.2      | 11.3     | 7.3      | 79.7     | 99.6     | 2.8      | 3.0      | 2.4      | 3.3      | 75.5     | 63.1     | 21.2     |
| Number of Samples Collected                                     | 6        | 4        | 4        | 7        | 7        | 6        | 6        | 3        | 3        | 6        | 6        | 5        | 5        | 5        |
| Number of Samples with a TSS Concentration Greater than 30 mg/L | 0        | 0        | 0        | 1        | 1        | 3        | 3        | 0        | 0        | 0        | 0        | 1        | 1        | 1        |

Notes:

<sup>1</sup> Effluent Quality Discharge Limits for Contact Water (Table 11) - Type A Water Licence 2AM-MRY1325 - Amend. 1

<sup>2</sup> Inclusive of TSS results collected from May 1, 2017 to May 31, 2017.

<sup>3</sup> Inclusive of TSS results collected from June 1, 2017 to July 2, 2017.

A value equal to the MDL (2 mg/L) was used in calculating monthly means for samples with a TSS concentration below the MDL.

Values highlighted in red text exceeded applicable water quality criteria limits.

Values highlighted in bold and red text identify upstream samples that exceed 30 mg/L TSS.

NS<sup>1</sup> indicates that no sample was taken in tandem with an upstream or downstream sample due to safety concerns and/or lack of an accessible sampling location.

Samples collected determined to be not representative of conditions due to limited flow (i.e. sampling of stagnant or pooling water). Results are not included in the calculations and discussion of the report.

Table 4 – Summary of TSS Concentrations at Tote Road Water Crossings during Freshet 2017 cont'd

| Sample Date                                                     | CV079-US | CV080-DS | CV080-US | CV087-DS | CV087-US | CV099-DS   | CV099-US    | CV100-DS | CV100-US | CV102-DS | CV102-US | CV104-DS | CV104-US | CV106-DS |
|-----------------------------------------------------------------|----------|----------|----------|----------|----------|------------|-------------|----------|----------|----------|----------|----------|----------|----------|
| 12-May-17                                                       | -        | -        | -        | -        | -        | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| 17-May-17                                                       | -        | -        | -        | -        | -        | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| 18-May-17                                                       | -        | -        | -        | -        | -        | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| 19-May-17                                                       | -        | -        | -        | -        | -        | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| 20-May-17                                                       | -        | -        | -        | -        | -        | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| 21-May-17                                                       | -        | -        | -        | -        | -        | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| 22-May-17                                                       | -        | -        | -        | -        | -        | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| 23-May-17                                                       | -        | -        | -        | -        | -        | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| 24-May-17                                                       | -        | -        | -        | -        | -        | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| 25-May-17                                                       | -        | -        | -        | -        | -        | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| 26-May-17                                                       | -        | -        | -        | -        | -        | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| 27-May-17                                                       | -        | -        | -        | -        | -        | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| 28-May-17                                                       | -        | -        | -        | -        | -        | -          | -           | 9.6      | NS       | 11.6     | 9.2      | 16.4     | NS       | NS       |
| 29-May-17                                                       | -        | 64.8     | 11.6     | -        | -        | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| 30-May-17                                                       | -        | -        | -        | -        | -        | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| 31-May-17                                                       | -        | -        | -        | -        | -        | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| 1-Jun-17                                                        | -        | -        | -        | -        | -        | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| 2-Jun-17                                                        | -        | -        | -        | -        | -        | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| 3-Jun-17                                                        | -        | -        | -        | 39.2     | NS       | 15.8       | NS          | -        | -        | 75.6     | 66.7     | 86.4     | 53.4     | 142      |
| 4-Jun-17                                                        | -        | -        | -        | -        | -        | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| 5-Jun-17                                                        | -        | -        | -        | -        | -        | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| 6-Jun-17                                                        | -        | -        | -        | -        | -        | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| 7-Jun-17                                                        | -        | -        | -        | -        | -        | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| 8-Jun-17                                                        | -        | -        | -        | -        | -        | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| 9-Jun-17                                                        | -        | -        | -        | -        | -        | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| 10-Jun-17                                                       | -        | -        | -        | -        | -        | 29.6       | 3.7         | -        | -        | -        | -        | 38.2     | 3.4      | 22.3     |
| 11-Jun-17                                                       | 4.2      | -        | -        | 35.4     | 3.8      | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| 12-Jun-17                                                       | -        | -        | -        | -        | -        | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| 13-Jun-17                                                       | -        | -        | -        | -        | -        | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| 14-Jun-17                                                       | -        | -        | -        | -        | -        | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| 15-Jun-17                                                       | -        | -        | -        | -        | -        | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| 16-Jun-17                                                       | -        | -        | -        | -        | -        | 15.2       | 16.4        | -        | -        | 4.3      | 2        | -        | -        | -        |
| 17-Jun-17                                                       | 2        | -        | -        | 28.9     | 2        | -          | -           | -        | -        | -        | -        | 3        | 4.1      | 4        |
| 18-Jun-17                                                       | -        | -        | -        | -        | -        | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| 20-Jun-17                                                       | 2        | -        | -        | -        | -        | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| 23-Jun-17                                                       | 24.2     | -        | -        | 2.5      | 4.6      | 7.1        | 9.3         | -        | -        | 2.5      | 2        | 2        | 2        | 8.6      |
| 24-Jun-17                                                       | -        | -        | -        | -        | -        | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| 29-Jun-17                                                       | -        | -        | -        | -        | -        | 13.6 / 7.7 | 11.6 / 11.3 | -        | -        | -        | -        | -        | -        | -        |
| 30-Jun-17                                                       | -        | -        | -        | -        | -        | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| 1-Jul-17                                                        | 5.5      | -        | -        | 2.6      | 4.1      | -          | -           | -        | -        | <2.0     | 2.4      | 3.7      | 2.5      | <2.0     |
| 2-Jul-17                                                        | -        | -        | -        | -        | -        | -          | -           | -        | -        | -        | -        | -        | -        | -        |
| Mean May TSS Concentration <sup>2</sup>                         | -        | 64.8     | 11.6     | -        | -        | -          | -           | 9.6      | -        | 11.6     | 9.2      | 16.4     | -        | -        |
| Mean June/July TSS Concentration <sup>3</sup>                   | 7.6      | -        | -        | 17.4     | 3.6      | 14.8       | 10.5        | -        | -        | 2.9      | 2.1      | 11.7     | 3.0      | 9.2      |
| Number of Samples Collected                                     | 5        | 1        | 1        | 4        | 4        | 6          | 5           | 1        | 0        | 4        | 4        | 5        | 4        | 4        |
| Number of Samples with a TSS Concentration Greater than 30 mg/L | 0        | 1        | 0        | 1        | 0        | 0          | 0           | 0        | 0        | 0        | 0        | 1        | 0        | 0        |

Notes:

<sup>1</sup> Effluent Quality Discharge Limits for Contact Water (Table 11) - Type A Water Licence 2AM-MRY1325 - Amend. 1

<sup>2</sup> Inclusive of TSS results collected from May 1, 2017 to May 31, 2017.

<sup>3</sup> Inclusive of TSS results collected from June 1, 2017 to July 2, 2017.

A value equal to the MDL (2 mg/L) was used in calculating monthly means for samples with a TSS concentration below the MDL.

Values highlighted in red text exceeded applicable water quality criteria limits.

Values highlighted in bold and red text identify upstream samples that exceed 30 mg/L TSS.

NS<sup>1</sup> indicates that no sample was taken in tandem with an upstream or downstream sample due to safety concerns and/or lack of an accessible sampling location.

Samples collected determined to be not representative of conditions due to limited flow (i.e sampling of stagnant or pooling water). Results are not included in the calculations and discussion of the report.

Table 4 – Summary of TSS Concentrations at Tote Road Water Crossings during Freshet 2017 cont'd

| Sample Date                                                     | CV106-US | CV111-DS | CV111-US | CV112-DS | CV112-US | CV114-DS | CV114-US | CV128-DS    | CV128-US  | CV129-DS    | CV129-US  | CV167-DS | CV167-US | CV169-DS |
|-----------------------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|-------------|-----------|-------------|-----------|----------|----------|----------|
| 12-May-17                                                       | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 17-May-17                                                       | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 18-May-17                                                       | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 19-May-17                                                       | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 20-May-17                                                       | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 21-May-17                                                       | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 22-May-17                                                       | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 23-May-17                                                       | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 24-May-17                                                       | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 25-May-17                                                       | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 26-May-17                                                       | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 27-May-17                                                       | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 28-May-17                                                       | 9.2      | 10.4     | 28.4     | 17.6     | 11.2     | 18       | NS       | -           | -         | -           | -         | -        | -        | 22.4     |
| 29-May-17                                                       | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 30-May-17                                                       | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 31-May-17                                                       | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 1-Jun-17                                                        | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 2-Jun-17                                                        | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 3-Jun-17                                                        | 60.6     | 35.5     | NS       | 228      | 63.2     | 702      | 600      | -           | -         | 339         | NS        | 37.1     | 30.6     | -        |
| 4-Jun-17                                                        | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 5-Jun-17                                                        | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 6-Jun-17                                                        | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 7-Jun-17                                                        | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 8-Jun-17                                                        | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 9-Jun-17                                                        | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 10-Jun-17                                                       | 3        | 38.2     | NS       | 196      | 3.4      | 139      | NS       | 40.2        | 14.1      | 38.8 / 25.8 | 4.7 / 3.1 | 25.5     | NS       | 4.6      |
| 11-Jun-17                                                       | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 12-Jun-17                                                       | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 13-Jun-17                                                       | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 14-Jun-17                                                       | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 15-Jun-17                                                       | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 16-Jun-17                                                       | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 17-Jun-17                                                       | 5.9      | 14.5     | 4.9      | 27.8     | 2        | 4.5      | 2        | 8.1         | 2.7       | 3.7         | 2         | 2.4      | 2        | 4.5      |
| 18-Jun-17                                                       | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 20-Jun-17                                                       | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 23-Jun-17                                                       | 2.7      | 22.9     | 12.4     | 7.4      | 6        | 2        | 2        | -           | 2.9       | 2           | 2         | 2.4      | 2        | 3.5      |
| 24-Jun-17                                                       | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 29-Jun-17                                                       | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 30-Jun-17                                                       | -        | -        | -        | <2.0     | <2.0     | <2.0     | <2.0     | 14.1 / 13.5 | 8.4 / 7.2 | 2.8         | <2.0      | <2.0     | <2.0     | <2.0     |
| 1-Jul-17                                                        | 3        | 3.7      | 3.9      | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| 2-Jul-17                                                        | -        | -        | -        | -        | -        | -        | -        | -           | -         | -           | -         | -        | -        | -        |
| Mean May TSS Concentration <sup>2</sup>                         | 9.2      | 10.4     | 28.4     | 17.6     | 11.2     | 18.0     | -        | -           | -         | -           | -         | -        | -        | 22.4     |
| Mean June/July TSS Concentration <sup>3</sup>                   | 3.7      | 19.8     | 7.1      | 58.3     | 3.4      | 36.9     | 2.0      | 19.0        | 7.1       | 68.7        | 2.8       | 13.9     | 9.2      | 3.7      |
| Number of Samples Collected                                     | 5        | 5        | 4        | 5        | 5        | 5        | 3        | 4           | 5         | 5           | 5         | 5        | 4        | 5        |
| Number of Samples with a TSS Concentration Greater than 30 mg/L | 0        | 1        | 0        | 1        | 0        | 1        | 0        | 1           | 0         | 1           | 0         | 1        | 1        | 0        |

Notes:

<sup>1</sup> Effluent Quality Discharge Limits for Contact Water (Table 11) - Type A Water Licence 2AM-MRY1325 - Amend. 1

<sup>2</sup> Inclusive of TSS results collected from May 1, 2017 to May 31, 2017.

<sup>3</sup> Inclusive of TSS results collected from June 1, 2017 to July 2, 2017.

A value equal to the MDL (2 mg/L) was used in calculating monthly means for samples with a TSS concentration below the MDL.

Values highlighted in red text exceeded applicable water quality criteria limits.

Values highlighted in bold and red text identify upstream samples that exceed 30 mg/L TSS.

NS' indicates that no sample was taken in tandem with an upstream or downstream sample due to safety concerns and/or lack of an accessible sampling location.

Samples collected determined to be not representative of conditions due to limited flow (i.e sampling of stagnant or pooling water). Results are not included in the calculations and discussion of the report.

Table 4 – Summary of TSS Concentrations at Tote Road Water Crossings during Freshet 2017 cont'd

| Sample Date                                                     | CV169-US | CV186-DS    | CV186-US | CV187-DS | CV187-US | CV216-DS | CV216-US | CV217-DS | CV217-US | CV223-DS | CV223-US | CV224-DS | CV224-US | CV225-DS |
|-----------------------------------------------------------------|----------|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 12-May-17                                                       | -        | 165         | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 17-May-17                                                       | -        | -           | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 18-May-17                                                       | -        | -           | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 19-May-17                                                       | -        | 23.6        | -        | NS       | 24.4     | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 20-May-17                                                       | -        | 122         | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 21-May-17                                                       | -        | 19.2        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 22-May-17                                                       | -        | 62          | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 23-May-17                                                       | -        | 94.5 / 74.8 | 47.6     | 40.8     | 45       | -        | -        | -        | -        | -        | -        | -        | -        | 13.6     |
| 24-May-17                                                       | -        | 45.6        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 25-May-17                                                       | -        | 14.8        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 26-May-17                                                       | -        | 7.6         | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 27-May-17                                                       | -        | 10          | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 28-May-17                                                       | 159      | 6.8 / 4.8   | 7.6      | 13.6     | 26       | 93.5     | 37.2     | -        | -        | 5.2      | 4        | -        | -        | 3.2      |
| 29-May-17                                                       | -        | 2           | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 30-May-17                                                       | -        | 4.4         | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 31-May-17                                                       | -        | 2           | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 1-Jun-17                                                        | -        | 15.6        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 2-Jun-17                                                        | -        | 11.6        | 2.8      | 59.2     | 42.8     | -        | -        | -        | -        | 16.8     | NS       | 88.4     | 14.4     | 23.6     |
| 3-Jun-17                                                        | -        | 8.8         | NS       | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 4-Jun-17                                                        | -        | -           | -        | -        | -        | 16.7     | 16.7     | -        | -        | -        | -        | -        | -        | -        |
| 5-Jun-17                                                        | -        | -           | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 6-Jun-17                                                        | -        | -           | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 7-Jun-17                                                        | -        | -           | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 8-Jun-17                                                        | -        | -           | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 9-Jun-17                                                        | -        | -           | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 10-Jun-17                                                       | 2        | -           | -        | -        | -        | 5.3      | 3.7      | -        | -        | 8.2      | NS       | 4.6      | 2.9      | 2        |
| 11-Jun-17                                                       | -        | 2           | 5.3      | 6.1      | 2.6      | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 12-Jun-17                                                       | -        | -           | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 13-Jun-17                                                       | -        | -           | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 14-Jun-17                                                       | -        | -           | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 15-Jun-17                                                       | -        | -           | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 16-Jun-17                                                       | -        | -           | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 17-Jun-17                                                       | 3.6      | 4           | 3.3      | 2.1      | 3.3      | 8.6      | 9.8      | 3        | 2.9      | 4.5      | 29.8     | 69.7     | 98.3     | 8.9      |
| 18-Jun-17                                                       | -        | -           | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 20-Jun-17                                                       | -        | -           | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 23-Jun-17                                                       | 2        | 2           | 2        | 2.4      | 2.1      | 8.2      | 11.9     | 2        | 2        | 3        | 2        | -        | -        | 2        |
| 24-Jun-17                                                       | -        | -           | -        | -        | -        | -        | -        | -        | -        | -        | -        | 7.1      | 2.5      | -        |
| 29-Jun-17                                                       | -        | -           | -        | -        | -        | -        | -        | 2        | <2.0     | -        | -        | -        | -        | -        |
| 30-Jun-17                                                       | <2.0     | -           | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| 1-Jul-17                                                        | -        | -           | -        | -        | -        | <2.0     | 4        | <2.0     | <2.0     | 3.5      | 3.3      | <2.0     | <2.0     | 4        |
| 2-Jul-17                                                        | -        | 3.8         | 3.4      | 3.9      | 2.8      | -        | -        | -        | -        | -        | -        | -        | -        | -        |
| Mean May TSS Concentration <sup>2</sup>                         | -        | 41.2        | 27.6     | 27.2     | 31.8     | -        | -        | -        | -        | 5.2      | 4.0      | -        | -        | 8.4      |
| Mean June/July TSS Concentration <sup>3</sup>                   | 2.4      | 6.8         | 3.4      | 14.7     | 10.7     | 8.2      | 9.2      | 2.3      | 2.2      | 7.2      | 11.7     | 34.4     | 24.0     | 8.1      |
| Number of Samples Collected                                     | 4        | 23          | 7        | 7        | 8        | 5        | 5        | 4        | 4        | 6        | 4        | 5        | 5        | 7        |
| Number of Samples with a TSS Concentration Greater than 30 mg/L | 0        | 6           | 1        | 2        | 2        | 0        | 0        | 0        | 0        | 0        | 0        | 2        | 1        | 0        |

Notes:

<sup>1</sup> Effluent Quality Discharge Limits for Contact Water (Table 11) - Type A Water Licence 2AM-MRY1325 - Amend. 1

<sup>2</sup> Inclusive of TSS results collected from May 1, 2017 to May 31, 2017.

<sup>3</sup> Inclusive of TSS results collected from June 1, 2017 to July 2, 2017.

A value equal to the MDL (2 mg/L) was used in calculating monthly means for samples with a TSS concentration below the MDL.

Values highlighted in red text exceeded applicable water quality criteria limits.

Values highlighted in bold and red text identify upstream samples that exceed 30 mg/L TSS.

NS' indicates that no sample was taken in tandem with an upstream or downstream sample due to safety concerns and/or lack of an accessible sampling location.

Samples collected determined to be not representative of conditions due to limited flow (i.e sampling of stagnant or pooling water). Results are not included in the calculations and discussion of the report.

Table 4 – Summary of TSS Concentrations at Tote Road Water Crossings during Freshet 2017 cont'd

| Sample Date                                                     | CV225-US | CV040-DS | CV040-US | CV093-DS | CV093-US | CV176-DS | CV176-US |
|-----------------------------------------------------------------|----------|----------|----------|----------|----------|----------|----------|
| 12-May-17                                                       | -        | -        | -        | -        | -        | -        | -        |
| 17-May-17                                                       | -        | -        | -        | -        | -        | -        | -        |
| 18-May-17                                                       | -        | -        | -        | -        | -        | -        | -        |
| 19-May-17                                                       | -        | -        | -        | -        | -        | -        | -        |
| 20-May-17                                                       | -        | -        | -        | -        | -        | -        | -        |
| 21-May-17                                                       | -        | -        | -        | -        | -        | -        | -        |
| 22-May-17                                                       | -        | -        | -        | -        | -        | -        | -        |
| 23-May-17                                                       | NS       | -        | -        | -        | -        | -        | -        |
| 24-May-17                                                       | -        | -        | -        | -        | -        | -        | -        |
| 25-May-17                                                       | -        | -        | -        | -        | -        | -        | -        |
| 26-May-17                                                       | -        | -        | -        | -        | -        | -        | -        |
| 27-May-17                                                       | -        | -        | -        | -        | -        | -        | -        |
| 28-May-17                                                       | 3.6      | -        | -        | -        | -        | -        | -        |
| 29-May-17                                                       | -        | -        | -        | 5.5      | 2.1      | -        | -        |
| 30-May-17                                                       | -        | -        | -        | -        | -        | -        | -        |
| 31-May-17                                                       | -        | -        | -        | -        | -        | -        | -        |
| 1-Jun-17                                                        | -        | -        | -        | -        | -        | -        | -        |
| 2-Jun-17                                                        | 7.2      | -        | -        | -        | -        | -        | -        |
| 3-Jun-17                                                        | -        | -        | -        | -        | -        | -        | -        |
| 4-Jun-17                                                        | -        | -        | -        | -        | -        | -        | -        |
| 5-Jun-17                                                        | -        | -        | -        | -        | -        | -        | -        |
| 6-Jun-17                                                        | -        | -        | -        | -        | -        | -        | -        |
| 7-Jun-17                                                        | -        | -        | -        | -        | -        | -        | -        |
| 8-Jun-17                                                        | -        | -        | -        | -        | -        | -        | -        |
| 9-Jun-17                                                        | -        | -        | -        | -        | -        | -        | -        |
| 10-Jun-17                                                       | <2.0     | -        | -        | -        | -        | -        | -        |
| 11-Jun-17                                                       | -        | -        | -        | -        | -        | -        | -        |
| 12-Jun-17                                                       | -        | -        | -        | -        | -        | -        | -        |
| 13-Jun-17                                                       | -        | -        | -        | -        | -        | -        | -        |
| 14-Jun-17                                                       | -        | -        | -        | -        | -        | -        | -        |
| 15-Jun-17                                                       | -        | -        | -        | -        | -        | -        | -        |
| 16-Jun-17                                                       | -        | -        | -        | -        | -        | -        | -        |
| 17-Jun-17                                                       | 11       | -        | -        | -        | -        | -        | -        |
| 18-Jun-17                                                       | -        | -        | -        | -        | -        | -        | -        |
| 20-Jun-17                                                       | -        | -        | -        | -        | -        | -        | -        |
| 23-Jun-17                                                       | 2        | -        | -        | -        | -        | -        | -        |
| 24-Jun-17                                                       | -        | -        | -        | -        | -        | -        | -        |
| 29-Jun-17                                                       | -        | 5.1      | <2.0     | -        | -        | -        | -        |
| 30-Jun-17                                                       | -        | -        | -        | -        | -        | 2.4      | <2.0     |
| 1-Jul-17                                                        | <2.0     | -        | -        | -        | -        | -        | -        |
| 2-Jul-17                                                        | -        | -        | -        | -        | -        | -        | -        |
| Mean May TSS Concentration <sup>2</sup>                         | 3.6      | -        | -        | 5.5      | 2.1      | -        | -        |
| Mean June/July TSS Concentration <sup>3</sup>                   | 4.8      | 5.1      | 2.0      | -        | -        | 2.4      | 2.0      |
| Number of Samples Collected                                     | 6        | 1        | 1        | 1        | 1        | 1        | 1        |
| Number of Samples with a TSS Concentration Greater than 30 mg/L | 0        | 0        | 0        | 0        | 0        | 0        | 0        |

Notes:

<sup>1</sup> Effluent Quality Discharge Limits for Contact Water (Table 11) - Type A Water Licence 2AM-MRY1325 - Amend. 1

<sup>2</sup> Inclusive of TSS results collected from May 1, 2017 to May 31, 2017.

<sup>3</sup> Inclusive of TSS results collected from June 1, 2017 to July 2, 2017.

A value equal to the MDL (2 mg/L) was used in calculating monthly means for samples with a TSS concentration below the MDL.

Values highlighted in red text exceeded applicable water quality criteria limits.

Values highlighted in bold and red text identify upstream samples that exceed 30 mg/L TSS.

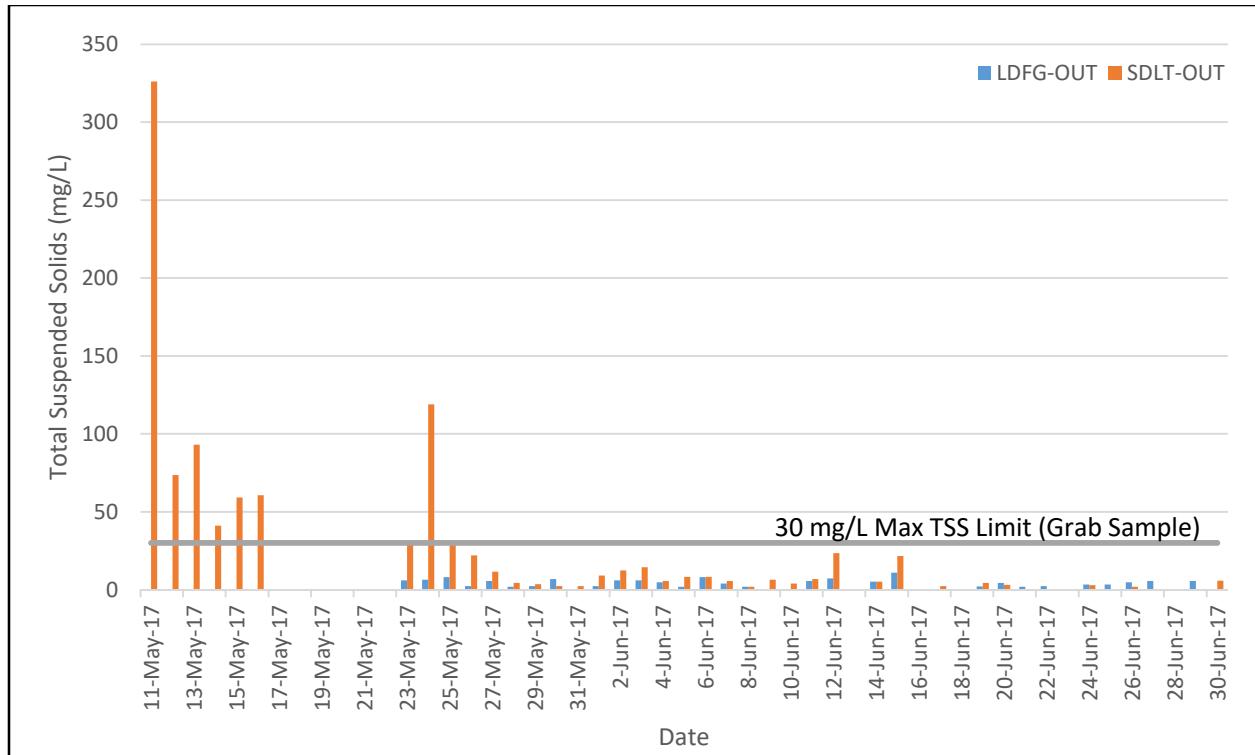
NS<sup>1</sup> indicates that no sample was taken in tandem with an upstream or downstream sample due to safety concerns and/or lack of an accessible sampling location.

Samples collected determined to be not representative of conditions due to limited flow (i.e sampling of stagnant or pooling water). Results are not included in the calculations and discussion of the report.

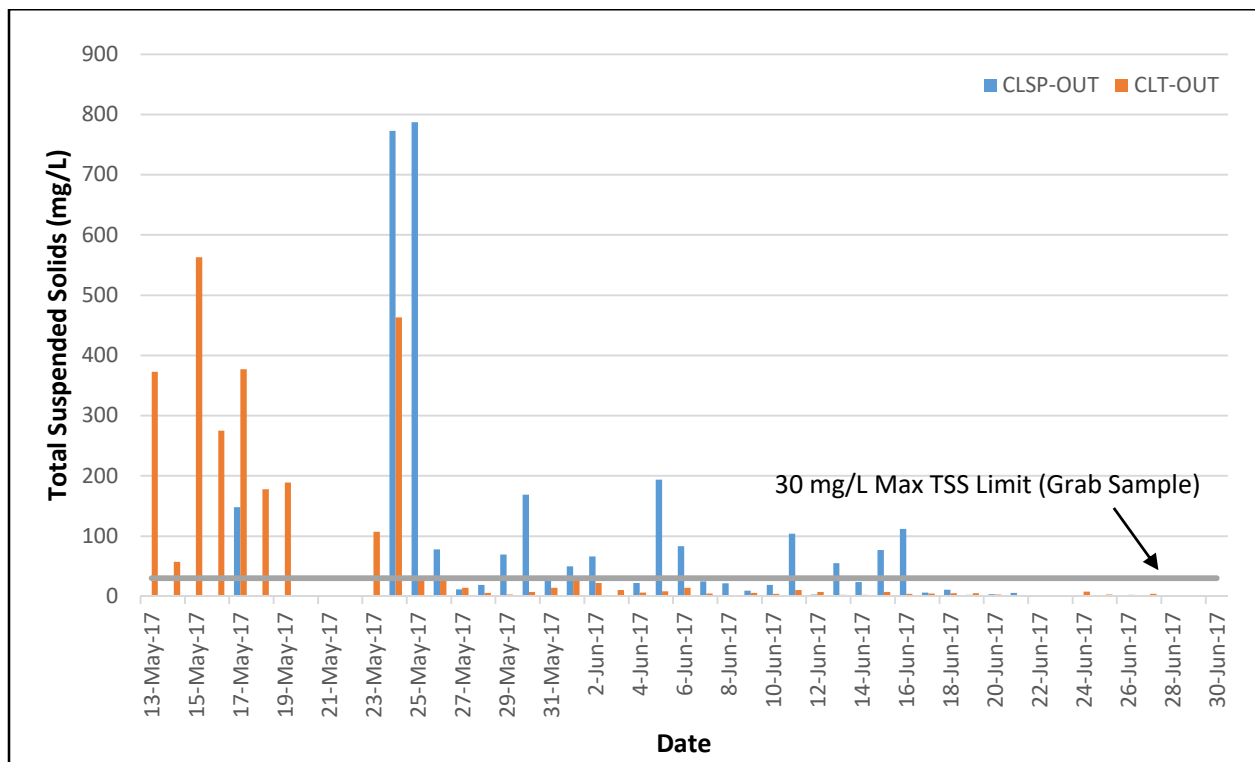
**Table 5 - Summary of Exceedances for Tote Road Water Crossings during Freshet 2017**

| Description of Metric                                                                                                              | Value    |
|------------------------------------------------------------------------------------------------------------------------------------|----------|
| Number of TSS samples collected near water crossings during freshet 2017                                                           | 472      |
| Number of TSS exceedances observed downstream of water crossings                                                                   | 43       |
| Maximum TSS concentration observed downstream of water crossings                                                                   | 660 mg/L |
| Number of TSS exceedances observed upstream of water crossings                                                                     | 18       |
| Maximum TSS concentration observed upstream of water crossings                                                                     | 690 mg/L |
| Number of instances in which both upstream and downstream samples exceeded 30 mg/L TSS at a water crossing during a sampling event | 15       |

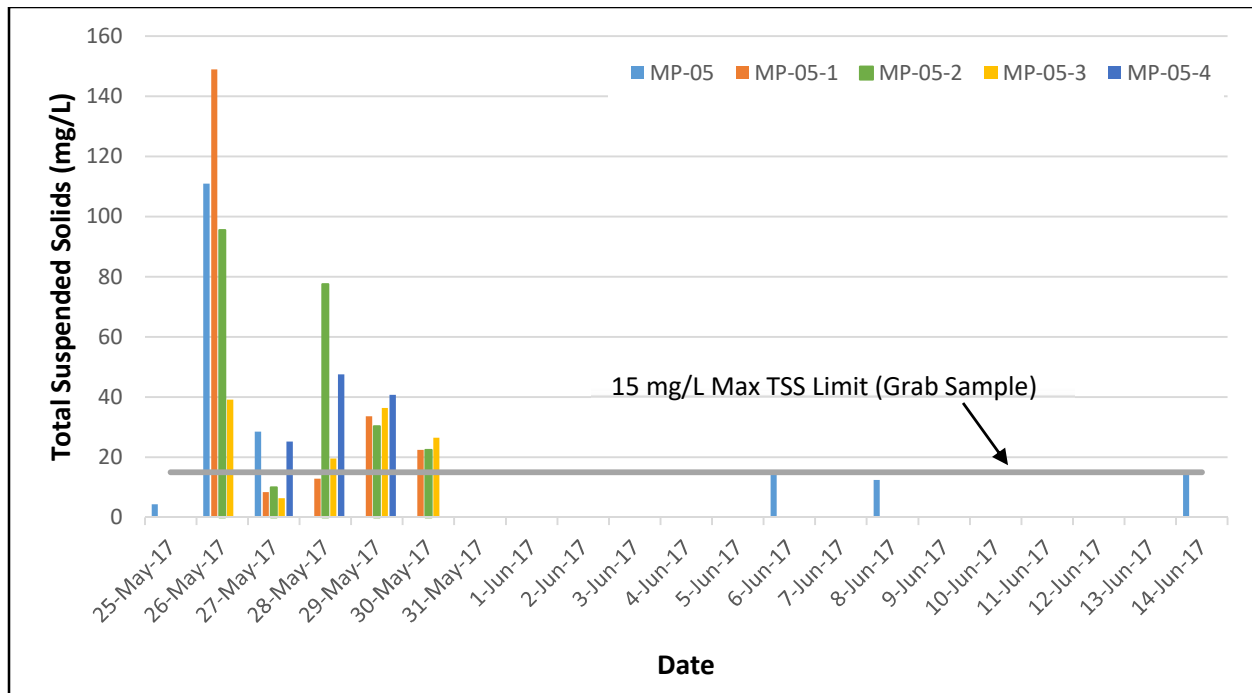
## FIGURES



**Figure 1 – Total Suspended Solids (TSS) Concentrations for Sheardown Lake Tributaries**

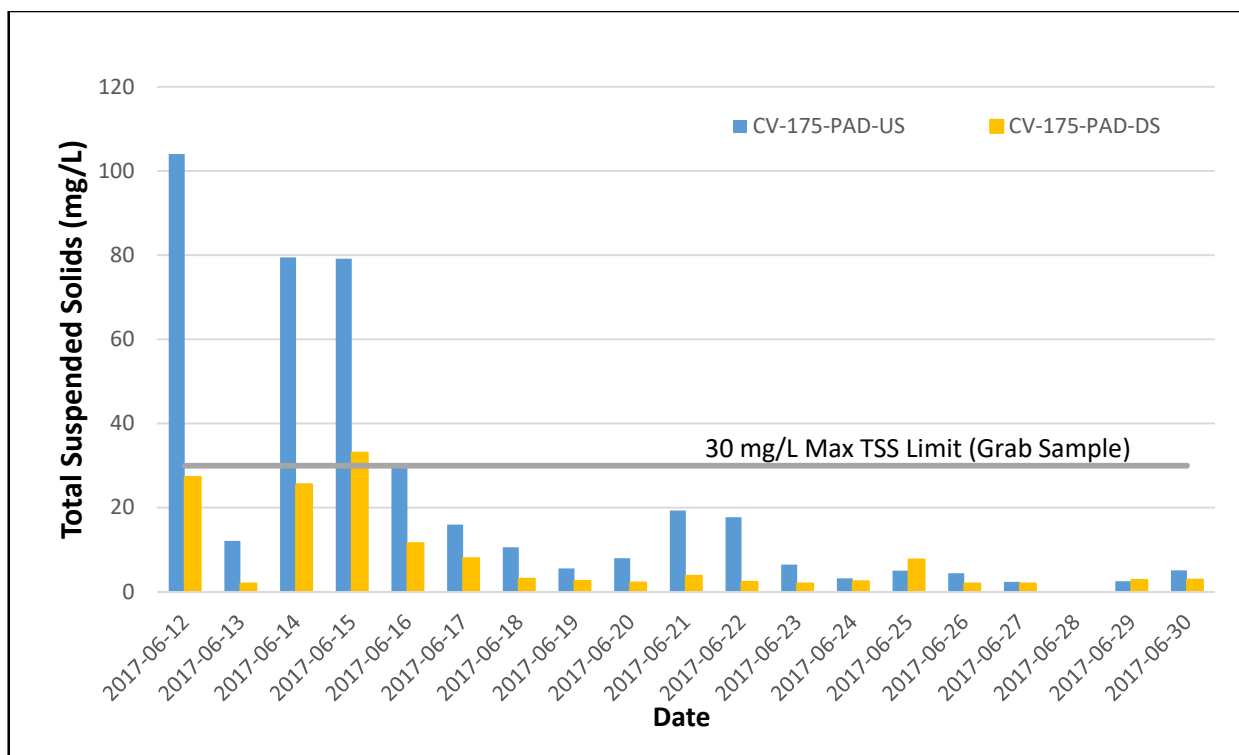


**Figure 2 – Total Suspended Solids (TSS) Concentrations for Camp Lake Surface Water Drainage**



**Figure 3 – MP-05 Total Suspended Solids (TSS) Concentrations during Discharge**

**Note:** MP-05-1, MP-05-2, MP-05-03, MP-05-4 denote samples taken on the same day.



**Figure 4 – Total Suspended Solids (TSS) Concentrations Upstream and Downstream of New Milne Port Camp Pad**

## **APPENDICES**

## **APPENDIX A**

### **NT-NU Spill Reports**



Canada

# NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE

TEL: (867) 920-8130

FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

|                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                               |                                                                                                                                             |                                                      |                                                                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|---------------------------------------------------------------------------|
| <b>A</b>                                                                                                                                                                                                                                           | REPORT DATE: MONTH - DAY - YEAR<br><b>05-14-2017</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | REPORT TIME<br><b>23:30 HRS</b>                                                                               | <input checked="" type="checkbox"/> ORIGINAL SPILL REPORT,<br>OR<br><input type="checkbox"/> UPDATE # _____<br>TO THE ORIGINAL SPILL REPORT |                                                      | REPORT NUMBER<br><b>17 - 161</b>                                          |
| <b>B</b>                                                                                                                                                                                                                                           | OCCURRENCE DATE: MONTH - DAY - YEAR<br><b>05-11-2017</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | OCCURRENCE TIME<br><b>18:30 HRS</b>                                                                           |                                                                                                                                             |                                                      |                                                                           |
| <b>C</b>                                                                                                                                                                                                                                           | LAND USE PERMIT NUMBER (IF APPLICABLE)<br><b>IOL - Commercial Lease No.: Q13C301</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | WATER LICENCE NUMBER (IF APPLICABLE)<br><b>2AM-MRY1325 Type "A"</b>                                           |                                                                                                                                             |                                                      |                                                                           |
| <b>D</b>                                                                                                                                                                                                                                           | GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION<br><b>Mary River Project Mine Site, Baffin Island, NU</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                               | REGION<br><input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN  |                                                      |                                                                           |
| <b>E</b>                                                                                                                                                                                                                                           | LATITUDE<br>DEGREES MINUTES SECONDS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                               | LONGITUDE<br>DEGREES MINUTES SECONDS                                                                                                        |                                                      |                                                                           |
| <b>F</b>                                                                                                                                                                                                                                           | RESPONSIBLE PARTY OR VESSEL NAME<br><b>Baffinland Iron Mines Corp.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION<br><b>2275 Middle Road East, Suite 300, Oakville, ON L6H 0C3</b> |                                                                                                                                             |                                                      |                                                                           |
| <b>G</b>                                                                                                                                                                                                                                           | ANY CONTRACTOR INVOLVED<br><b>N/A</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | CONTRACTOR ADDRESS OR OFFICE LOCATION<br><b>N/A</b>                                                           |                                                                                                                                             |                                                      |                                                                           |
| <b>H</b>                                                                                                                                                                                                                                           | PRODUCT SPILLED<br><b>sediment / discoloured water</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES<br><b>Unquantified at present time</b>                          | U.N. NUMBER<br><b>N/A</b>                                                                                                                   |                                                      |                                                                           |
|                                                                                                                                                                                                                                                    | SECOND PRODUCT SPILLED (IF APPLICABLE)<br><b>N/A</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES<br><b>N/A</b>                                                   | U.N. NUMBER<br><b>N/A</b>                                                                                                                   |                                                      |                                                                           |
| <b>I</b>                                                                                                                                                                                                                                           | SPILL SOURCE<br><b>Melting snow</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SPILL CAUSE<br><b>suspected entrained dust</b>                                                                | AREA OF CONTAMINATION IN SQUARE METRES<br><b>N/A</b>                                                                                        |                                                      |                                                                           |
| <b>J</b>                                                                                                                                                                                                                                           | FACTORS AFFECTING SPILL OR RECOVERY<br><b>Snow covered area, poor access</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | DESCRIBE ANY ASSISTANCE REQUIRED<br><b>N/A</b>                                                                | HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT<br><b>N/A</b>                                                                                     |                                                      |                                                                           |
| <b>K</b>                                                                                                                                                                                                                                           | ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS<br><br><b>On May 11, 2017, a snowmelt runoff containing sediments and discoloured water were observed to flow into Sheardown Tributary and Lake at 18:30 HRS; water samples were subsequently taken. The source of the suspected off-spec drainage was dirty snow located downwind of the Crusher Pad. The event resulted in siltation/discoloured water to flow onto and under the ice of Sheardown Lake. In accordance with the Surface Water Management Plan, sedimentation mitigation measures were implemented including silt fences and spring berms in an attempt to settle sediments prior to discharge. Dirty snow removal, check dam construction, are being employed. Daily monitoring of the water quality is ongoing; initial water quality sample results were received tonight. A follow-up report documenting the occurrence and providing recommendations will be submitted within 30 days. This incident is being reported as required by the conditions of Water Licence No. 2AM-MRY1325 and as required by subsection 38(4) of the Fisheries Act.</b> |                                                                                                               |                                                                                                                                             |                                                      |                                                                           |
| <b>L</b>                                                                                                                                                                                                                                           | REPORTED TO SPILL LINE BY<br><b>William Bowden</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | POSITION<br><b>Env Superintendent</b>                                                                         | EMPLOYER<br><b>Baffinland</b>                                                                                                               | LOCATION CALLING FROM<br><b>Mary River</b>           | TELEPHONE<br><b>ext. 6016</b>                                             |
| <b>M</b>                                                                                                                                                                                                                                           | ANY ALTERNATE CONTACT<br><b>Wayne Mcphee</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | POSITION<br><b>Dir. Sust Development</b>                                                                      | EMPLOYER<br><b>Baffinland</b>                                                                                                               | ALTERNATE CONTACT<br>LOCATION<br><b>647-253-0596</b> | ALTERNATE TELEPHONE<br><b>Ext 5088</b>                                    |
| REPORT LINE USE ONLY                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                               |                                                                                                                                             |                                                      |                                                                           |
| <b>N</b>                                                                                                                                                                                                                                           | RECEIVED AT SPILL LINE BY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | POSITION<br>STATION OPERATOR                                                                                  | EMPLOYER                                                                                                                                    | LOCATION CALLED<br>YELLOWKNIFE, NT                   | REPORT LINE NUMBER<br>(867) 920-8130                                      |
| LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> TC |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                               | SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN                                 |                                                      | FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED |
| AGENCY                                                                                                                                                                                                                                             | CONTACT NAME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                               | CONTACT TIME                                                                                                                                | REMARKS                                              |                                                                           |
| LEAD AGENCY                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                               |                                                                                                                                             |                                                      |                                                                           |
| FIRST SUPPORT AGENCY                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                               |                                                                                                                                             |                                                      |                                                                           |
| SECOND SUPPORT AGENCY                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                               |                                                                                                                                             |                                                      |                                                                           |
| THIRD SUPPORT AGENCY                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                               |                                                                                                                                             |                                                      |                                                                           |



Canada

# NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------|
| <b>A</b>                                                                                                                                                                                                                                            | REPORT DATE: MONTH - DAY - YEAR<br><b>05-14-2017</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | REPORT TIME<br><b>23:45 HRS</b>                                                                               | <input checked="" type="checkbox"/> ORIGINAL SPILL REPORT,<br>OR<br><input type="checkbox"/> UPDATE # _____<br>TO THE ORIGINAL SPILL REPORT |                                            | REPORT NUMBER<br><b>17-162</b>                                            |
| <b>B</b>                                                                                                                                                                                                                                            | OCCURRENCE DATE: MONTH - DAY - YEAR<br><b>05-13-2017</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | OCCURRENCE TIME<br><b>9:50 HRS</b>                                                                            |                                                                                                                                             |                                            |                                                                           |
| <b>C</b>                                                                                                                                                                                                                                            | LAND USE PERMIT NUMBER (IF APPLICABLE)<br><b>IOL - Commercial Lease No.: Q13C301</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                               | WATER LICENCE NUMBER (IF APPLICABLE)<br><b>2AM-MRY1325 Type "A"</b>                                                                         |                                            |                                                                           |
| <b>D</b>                                                                                                                                                                                                                                            | GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION<br><b>Mary River Project Mine Site, Baffin Island, NU</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                               | REGION<br><input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN  |                                            |                                                                           |
| <b>E</b>                                                                                                                                                                                                                                            | LATITUDE<br>DEGREES MINUTES SECONDS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                               | LONGITUDE<br>DEGREES MINUTES SECONDS                                                                                                        |                                            |                                                                           |
| <b>F</b>                                                                                                                                                                                                                                            | RESPONSIBLE PARTY OR VESSEL NAME<br><b>Baffinland Iron Mines Corp.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION<br><b>2275 Middle Road East, Suite 300, Oakville, ON L6H 0C3</b> |                                                                                                                                             |                                            |                                                                           |
| <b>G</b>                                                                                                                                                                                                                                            | ANY CONTRACTOR INVOLVED<br><b>N/A</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | CONTRACTOR ADDRESS OR OFFICE LOCATION<br><b>N/A</b>                                                           |                                                                                                                                             |                                            |                                                                           |
| <b>H</b>                                                                                                                                                                                                                                            | PRODUCT SPILLED<br><b>sediment / discoloured water</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES<br><b>Unquantified at present time</b>                          | U.N. NUMBER<br><b>N/A</b>                                                                                                                   |                                            |                                                                           |
|                                                                                                                                                                                                                                                     | SECOND PRODUCT SPILLED (IF APPLICABLE)<br><b>N/A</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES<br><b>N/A</b>                                                   | U.N. NUMBER<br><b>N/A</b>                                                                                                                   |                                            |                                                                           |
| <b>I</b>                                                                                                                                                                                                                                            | SPILL SOURCE<br><b>Melting snow, tote road</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | SPILL CAUSE<br><b>entrained dust/ sediment</b>                                                                | AREA OF CONTAMINATION IN SQUARE METRES<br><b>N/A</b>                                                                                        |                                            |                                                                           |
| <b>J</b>                                                                                                                                                                                                                                            | FACTORS AFFECTING SPILL OR RECOVERY<br><b>Snow covered area, poor access</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DESCRIBE ANY ASSISTANCE REQUIRED<br><b>N/A</b>                                                                | HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT<br><b>N/A</b>                                                                                     |                                            |                                                                           |
| <b>K</b>                                                                                                                                                                                                                                            | ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS<br><br><b>On May 13, 2017, a snowmelt runoff containing sediments and discoloured water were observed to flow into Camp Lake Tributary and Lake at 9:50 HRS; water samples were subsequently taken. The source of the suspected off-spec drainage was dirty snow in the drainage basin and erosional sediment. The event resulted in siltation/discoloured water to flow onto and under the ice of Camp Lake. In accordance with the Surface Water Management Plan, sedimentation mitigation measures were implemented including silt fences and spring berms in an attempt to settle sediments prior to discharge. Dirty snow removal, and placing rip rap at erosional areas are being employed. Daily monitoring of the water quality is ongoing; initial water quality sample results were received tonight. A follow-up report documenting the occurrence and providing recommendations will be submitted within 30 days. This incident is being reported as required by the conditions of Water Licence No. 2AM-MRY1325 and as required by subsection 38(4) of the Fisheries Act.</b> |                                                                                                               |                                                                                                                                             |                                            |                                                                           |
| <b>L</b>                                                                                                                                                                                                                                            | REPORTED TO SPILL LINE BY<br><b>William Bowden</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | POSITION<br><b>Env Superintendent</b>                                                                         | EMPLOYER<br><b>Baffinland</b>                                                                                                               | LOCATION CALLING FROM<br><b>Mary River</b> | TELEPHONE<br><b>ext. 6016</b>                                             |
| <b>M</b>                                                                                                                                                                                                                                            | ANY ALTERNATE CONTACT<br><b>Wayne Mcphee</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | POSITION<br><b>Dir. Sust Development</b>                                                                      | EMPLOYER<br><b>Baffinland</b>                                                                                                               | ALTERNATE CONTACT<br><b>647-253-0596</b>   | ALTERNATE TELEPHONE<br><b>Ext 5088</b>                                    |
| REPORT LINE USE ONLY                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                               |                                                                                                                                             |                                            |                                                                           |
| <b>N</b>                                                                                                                                                                                                                                            | RECEIVED AT SPILL LINE BY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | POSITION<br>STATION OPERATOR                                                                                  | EMPLOYER                                                                                                                                    | LOCATION CALLED<br>YELLOWKNIFE, NT         | REPORT LINE NUMBER<br>(867) 920-8130                                      |
| LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> UTC |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                               | SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN                                 |                                            | FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED |
| AGENCY                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | CONTACT NAME                                                                                                  | CONTACT TIME                                                                                                                                | REMARKS                                    |                                                                           |
| LEAD AGENCY                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                               |                                                                                                                                             |                                            |                                                                           |
| FIRST SUPPORT AGENCY                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                               |                                                                                                                                             |                                            |                                                                           |
| SECOND SUPPORT AGENCY                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                               |                                                                                                                                             |                                            |                                                                           |
| THIRD SUPPORT AGENCY                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                               |                                                                                                                                             |                                            |                                                                           |



Canada

# NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------|
| <b>A</b>                                                                                                                                                                                                                                          | REPORT DATE: MONTH - DAY - YEAR<br><b>05-26-2017</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | REPORT TIME<br><b>13:00 HRS</b>                                                                               | <input checked="" type="checkbox"/> ORIGINAL SPILL REPORT, OR<br>LJ UPDATE # _____<br>TO THE ORIGINAL SPILL REPORT                         |                                            | REPORT NUMBER<br><b>17 - 178</b>                                          |
| <b>B</b>                                                                                                                                                                                                                                          | OCCURRENCE DATE: MONTH - DAY - YEAR<br><b>05-25-2017</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | OCCURRENCE TIME<br><b>19:00 HRS</b>                                                                           |                                                                                                                                            |                                            |                                                                           |
| <b>C</b>                                                                                                                                                                                                                                          | LAND USE PERMIT NUMBER (IF APPLICABLE)<br><b>IOL - Commercial Lease No.: Q13C301</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | WATER LICENCE NUMBER (IF APPLICABLE)<br><b>2AM-MRY1325 Type "A"</b>                                           |                                                                                                                                            |                                            |                                                                           |
| <b>D</b>                                                                                                                                                                                                                                          | GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION<br><b>Mary River Project Milne Port Site, Baffin Island, NU</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                               | REGION<br><input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN |                                            |                                                                           |
| <b>E</b>                                                                                                                                                                                                                                          | LATITUDE<br>DEGREES <b>71</b> MINUTES <b>52</b> SECONDS <b>15</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                               | LONGITUDE<br>DEGREES <b>80</b> MINUTES <b>53</b> SECONDS <b>56</b>                                                                         |                                            |                                                                           |
| <b>F</b>                                                                                                                                                                                                                                          | RESPONSIBLE PARTY OR VESSEL NAME<br><b>Baffinland Iron Mines Corp.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION<br><b>2275 Middle Road East, Suite 300, Oakville, ON L6H 0C3</b> |                                                                                                                                            |                                            |                                                                           |
| <b>G</b>                                                                                                                                                                                                                                          | ANY CONTRACTOR INVOLVED<br><b>N/A</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | CONTRACTOR ADDRESS OR OFFICE LOCATION<br><b>N/A</b>                                                           |                                                                                                                                            |                                            |                                                                           |
| <b>H</b>                                                                                                                                                                                                                                          | PRODUCT SPILLED<br><b>Melt water from surrounding area</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES<br><b>Unquantified at present time</b>                          | U.N. NUMBER<br><b>N/A</b>                                                                                                                  |                                            |                                                                           |
|                                                                                                                                                                                                                                                   | SECOND PRODUCT SPILLED (IF APPLICABLE)<br><b>N/A</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES<br><b>N/A</b>                                                   | U.N. NUMBER<br><b>N/A</b>                                                                                                                  |                                            |                                                                           |
| <b>I</b>                                                                                                                                                                                                                                          | SPILL SOURCE<br><b>Freshet spring snow melt</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | SPILL CAUSE<br><b>Flash melt -surrounding area</b>                                                            | AREA OF CONTAMINATION IN SQUARE METRES<br><b>N/A</b>                                                                                       |                                            |                                                                           |
| <b>J</b>                                                                                                                                                                                                                                          | FACTORS AFFECTING SPILL OR RECOVERY<br><b>Large volume released to Ocean</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | DESCRIBE ANY ASSISTANCE REQUIRED<br><b>N/A</b>                                                                | HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT<br><b>N/A</b>                                                                                    |                                            |                                                                           |
| <b>K</b>                                                                                                                                                                                                                                          | ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS<br><br><b>On May 25th, 2017, at 19:00, Milne Port East Sedimentation Pond (MP-05) was observed to be overflowing into the ocean. Based on external TSS analysis and the amount of volume over flowing from the pond in various directions, it was determined that it would be necessary create a controlled emergency discharge to mitigate erosion and elevated TSS. An influx in temp allowed the surrounding areas to quickly melt and migrate to the ditches causing an mass inflow of surface water to the catchment pond. The ore stockpile pond currently is solid ice creating an issue for normal melt volume capacity. Ongoing monitoring of the water quality is ongoing and results will be presented in the follow-up report. This spill is being reported as required by the conditions of water license no. 2AM-MRY1325, Part H , item 9 (b) pursuant to ss12(3) of the Nunavut Waters and Nunavut Surface Rights Tribunal Act and as required by ss38(4) of the Fisheries Act, the Arctic Waters Pollution Prevention Act ss5(1) and Government of Nunavuts, Environmental Protection Act.</b> |                                                                                                               |                                                                                                                                            |                                            |                                                                           |
| <b>L</b>                                                                                                                                                                                                                                          | REPORTED TO SPILL LINE BY<br><b>Laura Taylor</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | POSITION<br><b>Env Superintendent</b>                                                                         | EMPLOYER<br><b>Baffinland</b>                                                                                                              | LOCATION CALLING FROM<br><b>Mary River</b> | TELEPHONE<br><b>ext. 6016</b>                                             |
| <b>M</b>                                                                                                                                                                                                                                          | ANY ALTERNATE CONTACT<br><b>Wayne Mcphee</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | POSITION<br><b>Dir. Sust Development</b>                                                                      | EMPLOYER<br><b>Baffinland</b>                                                                                                              | ALTERNATE CONTACT<br><b>647-253-0596</b>   | ALTERNATE TELEPHONE<br><b>Ext 5088</b>                                    |
| REPORT LINE USE ONLY                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                               |                                                                                                                                            |                                            |                                                                           |
| <b>N</b>                                                                                                                                                                                                                                          | RECEIVED AT SPILL LINE BY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | POSITION<br>STATION OPERATOR                                                                                  | EMPLOYER                                                                                                                                   | LOCATION CALLED<br>YELLOWKNIFE, NT         | REPORT LINE NUMBER<br>(867) 920-8130                                      |
| LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> LA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> TC |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                               | SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN                                |                                            | FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED |
| AGENCY                                                                                                                                                                                                                                            | CONTACT NAME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                               | CONTACT TIME                                                                                                                               | REMARKS                                    |                                                                           |
| LEAD AGENCY                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                               |                                                                                                                                            |                                            |                                                                           |
| FIRST SUPPORT AGENCY                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                               |                                                                                                                                            |                                            |                                                                           |
| SECOND SUPPORT AGENCY                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                               |                                                                                                                                            |                                            |                                                                           |
| THIRD SUPPORT AGENCY                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                               |                                                                                                                                            |                                            |                                                                           |



Canada

# NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------|
| <b>A</b>                                                                                                                                                                                                                                           | REPORT DATE: MONTH - DAY - YEAR<br><b>06-14-2017</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | REPORT TIME<br><b>18:00 HRS</b>                                                                               | <input checked="" type="checkbox"/> ORIGINAL SPILL REPORT.<br>OR<br><input type="checkbox"/> UPDATE # _____<br>TO THE ORIGINAL SPILL REPORT |                                                   | REPORT NUMBER<br><b>17 - 209</b>                                          |
| <b>B</b>                                                                                                                                                                                                                                           | OCCURRENCE DATE: MONTH - DAY - YEAR<br><b>Unknown</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | OCCURRENCE TIME<br><b>Unknown</b>                                                                             |                                                                                                                                             |                                                   |                                                                           |
| <b>C</b>                                                                                                                                                                                                                                           | LAND USE PERMIT NUMBER (IF APPLICABLE)<br><b>IOL - Commercial Lease No.: Q13C301</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | WATER LICENCE NUMBER (IF APPLICABLE)<br><b>2AM-MRY1325 Type "A"</b>                                           |                                                                                                                                             |                                                   |                                                                           |
| <b>D</b>                                                                                                                                                                                                                                           | GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION<br><b>Mary River Project Tote Road, Baffin Island, NU</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                               | REGION<br><input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN  |                                                   |                                                                           |
| <b>E</b>                                                                                                                                                                                                                                           | LATITUDE<br>DEGREES - MINUTES - SECONDS -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                               | LONGITUDE<br>DEGREES - MINUTES - SECONDS -                                                                                                  |                                                   |                                                                           |
| <b>F</b>                                                                                                                                                                                                                                           | RESPONSIBLE PARTY OR VESSEL NAME<br><b>Baffinland Iron Mines Corp.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION<br><b>2275 Middle Road East, Suite 300, Oakville, ON L6H 0C3</b> |                                                                                                                                             |                                                   |                                                                           |
| <b>G</b>                                                                                                                                                                                                                                           | ANY CONTRACTOR INVOLVED<br><b>N/A</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | CONTRACTOR ADDRESS OR OFFICE LOCATION<br><b>N/A</b>                                                           |                                                                                                                                             |                                                   |                                                                           |
| <b>H</b>                                                                                                                                                                                                                                           | PRODUCT SPILLED<br><b>Sediment / discoloured water</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES<br><b>Unknown</b>                                               | U.N. NUMBER<br><b>N/A</b>                                                                                                                   |                                                   |                                                                           |
|                                                                                                                                                                                                                                                    | SECOND PRODUCT SPILLED (IF APPLICABLE)<br><b>N/A</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES<br><b>N/A</b>                                                   | U.N. NUMBER<br><b>N/A</b>                                                                                                                   |                                                   |                                                                           |
| <b>I</b>                                                                                                                                                                                                                                           | SPILL SOURCE<br><b>Freshet melting snowpack</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | SPILL CAUSE<br><b>Erosional sediment</b>                                                                      | AREA OF CONTAMINATION IN SQUARE METRES<br><b>N/A</b>                                                                                        |                                                   |                                                                           |
| <b>J</b>                                                                                                                                                                                                                                           | FACTORS AFFECTING SPILL OR RECOVERY<br><b>Poor access</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | DESCRIBE ANY ASSISTANCE REQUIRED<br><b>N/A</b>                                                                | HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT<br><b>N/A</b>                                                                                     |                                                   |                                                                           |
| <b>K</b>                                                                                                                                                                                                                                           | ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS<br><br><b>As part of Baffinland's 2017 Tote Road monitoring program, crossings have been evaluated for turbid water and sediment impacted drainage upon the start of flows. On May 23, 2017, four crossings- BG17(km90), BG27(km86), BG30(km84), CV001(km94), on May 28, 2017 two crossings- BG32(km78), CV071(km54), on June 2,3 2017, five crossings - BG04(km94), CV106(km33), CV112(km31), CV114 (km29), CV129(km17) and on June 7- CV174D(km 4.5) were identified from received sample results to be flowing above applicable water licence criteria downstream of the crossing for total suspended solids (TSS). The sediment appears to be generated by the melting snow pack adjacent to the road. It is not clear at this time whether the TSS levels are a result of natural sedimentation, run off from the Tote Road or a combination of the two sources. Sedimentation mitigation measure such as silt fences, jute, spring berms and rip rap are planned and will be installed where possible based on safe access, snow and ice cover and frozen ground. The Tote Road monitoring program is ongoing.</b> |                                                                                                               |                                                                                                                                             |                                                   |                                                                           |
| <b>L</b>                                                                                                                                                                                                                                           | REPORTED TO SPILL LINE BY<br><b>William Bowden</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | POSITION<br><b>Env Superintendent</b>                                                                         | EMPLOYER<br><b>Baffinland</b>                                                                                                               | LOCATION CALLING FROM<br><b>Mary River</b>        | TELEPHONE<br><b>Ext. 6016</b>                                             |
| <b>M</b>                                                                                                                                                                                                                                           | ANY ALTERNATE CONTACT<br><b>Wayne McPhee</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | POSITION<br><b>Dir. Sust Development</b>                                                                      | EMPLOYER<br><b>Baffinland</b>                                                                                                               | ALTERNATE CONTACT LOCATION<br><b>Oakville, ON</b> | ALTERNATE TELEPHONE<br><b>Ext 5088</b>                                    |
| REPORT LINE USE ONLY                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                               |                                                                                                                                             |                                                   |                                                                           |
| <b>N</b>                                                                                                                                                                                                                                           | RECEIVED AT SPILL LINE BY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | POSITION<br>STATION OPERATOR                                                                                  | EMPLOYER                                                                                                                                    | LOCATION CALLED<br>YELLOWKNIFE, NT                | REPORT LINE NUMBER<br>(867) 920-8130                                      |
| LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> TC |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                               | SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN                                 |                                                   | FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED |
| AGENCY                                                                                                                                                                                                                                             | CONTACT NAME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                               | CONTACT TIME                                                                                                                                | REMARKS                                           |                                                                           |
| LEAD AGENCY                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                               |                                                                                                                                             |                                                   |                                                                           |
| FIRST SUPPORT AGENCY                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                               |                                                                                                                                             |                                                   |                                                                           |
| SECOND SUPPORT AGENCY                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                               |                                                                                                                                             |                                                   |                                                                           |
| THIRD SUPPORT AGENCY                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                               |                                                                                                                                             |                                                   |                                                                           |



Canada

# NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

NT-NU 24-HOUR SPILL REPORT LINE

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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------------------------------|
| <b>A</b>                                                                                                                                                                                                                                           | REPORT DATE: MONTH - DAY - YEAR<br><b>06-17-2017</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | REPORT TIME<br><b>19:30</b>                                                                                   | <input checked="" type="checkbox"/> ORIGINAL SPILL REPORT,<br>OR<br><input type="checkbox"/> UPDATE # _____<br>TO THE ORIGINAL SPILL REPORT |                                              | REPORT NUMBER<br><b>17 - 214</b>                                          |
| <b>B</b>                                                                                                                                                                                                                                           | OCCURRENCE DATE: MONTH - DAY - YEAR<br><b>Unknown</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | OCCURRENCE TIME<br><b>Unknown</b>                                                                             |                                                                                                                                             |                                              |                                                                           |
| <b>C</b>                                                                                                                                                                                                                                           | LAND USE PERMIT NUMBER (IF APPLICABLE)<br><b>IOL - Commercial Lease: Q13C301</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | WATER LICENCE NUMBER (IF APPLICABLE)<br><b>2AM-MRY1325 Type "A"</b>                                           |                                                                                                                                             |                                              |                                                                           |
| <b>D</b>                                                                                                                                                                                                                                           | GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION<br><b>Mary River Mine Site, Baffin Island, NU</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                               | REGION<br><input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN  |                                              |                                                                           |
| <b>E</b>                                                                                                                                                                                                                                           | LATITUDE<br>DEGREES <b>71</b> MINUTES <b>53</b> SECONDS <b>18</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                               | LONGITUDE<br>DEGREES <b>80</b> MINUTES <b>52</b> SECONDS <b>50</b>                                                                          |                                              |                                                                           |
| <b>F</b>                                                                                                                                                                                                                                           | RESPONSIBLE PARTY OR VESSEL NAME<br><b>Baffinland Iron Mines Corp.</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION<br><b>2275 Middle Road East, Suite 300, Oakville, ON L6H 0C3</b> |                                                                                                                                             |                                              |                                                                           |
| <b>G</b>                                                                                                                                                                                                                                           | ANY CONTRACTOR INVOLVED<br><b>N/A</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | CONTRACTOR ADDRESS OR OFFICE LOCATION<br><b>N/A</b>                                                           |                                                                                                                                             |                                              |                                                                           |
| <b>H</b>                                                                                                                                                                                                                                           | PRODUCT SPILLED<br><b>Sediment</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES<br><b>Unknown</b>                                               | U.N. NUMBER<br><b>N/A</b>                                                                                                                   |                                              |                                                                           |
|                                                                                                                                                                                                                                                    | SECOND PRODUCT SPILLED (IF APPLICABLE)<br><b>N/A</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES<br><b>Unknown</b>                                               | U.N. NUMBER<br><b>N/A</b>                                                                                                                   |                                              |                                                                           |
| <b>I</b>                                                                                                                                                                                                                                           | SPILL SOURCE<br><b>Freshet melting snowpack</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SPILL CAUSE<br><b>Erosional sediment</b>                                                                      | AREA OF CONTAMINATION IN SQUARE METRES                                                                                                      |                                              |                                                                           |
| <b>J</b>                                                                                                                                                                                                                                           | FACTORS AFFECTING SPILL OR RECOVERY<br><b>Poor Access</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | DESCRIBE ANY ASSISTANCE REQUIRED<br><b>N/A</b>                                                                | HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT<br><b>N/A</b>                                                                                     |                                              |                                                                           |
| <b>K</b>                                                                                                                                                                                                                                           | ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS<br><br><b>On June 12th, it was observed that an area of erosion on the Milne Po beach foreshore had occurred. Water flowing along the drainage east of the Port Site Complex had pooled due to snow drifts. Sediment resultant of this erosion was transported to the Milne Port beach. An excavator worked to clear snow to mitigate the erosion on the beach and restore the normal flow path of the stream. A path was cleared and the water levels receded. On June 15th, a rain event, resulted in a natural erosion and sedimentation event, when an ice dam released a large volume of water upstream, that the natural stream channel could not accommodate. The previously identified erosion on the beach was impacted by this event, increasing the extent of the erosion and sediment transport to the beach and ice present below the erosion channel. Sandbags were placed upstream of the erosion to decrease flow and mitigate this natural erosion event. Shortly after the sandbag dam was completed, on June 15th, the water level receded significantly and flows restored to the natural stream drainage.</b> |                                                                                                               |                                                                                                                                             |                                              |                                                                           |
| <b>L</b>                                                                                                                                                                                                                                           | REPORTED TO SPILL LINE BY<br><b>William Bowden</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | POSITION<br><b>Env. Superintendent</b>                                                                        | EMPLOYER<br><b>Baffinland</b>                                                                                                               | LOCATION CALLING FROM<br><b>647 253 0596</b> | TELEPHONE<br><b>exr. 6016</b>                                             |
| <b>M</b>                                                                                                                                                                                                                                           | ANY ALTERNATE CONTACT<br><b>Wayne Mcphee</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | POSITION<br><b>Dir. Sust Development</b>                                                                      | EMPLOYER<br><b>Baffinland</b>                                                                                                               | ALTERNATE CONTACT<br><b>off site</b>         | ALTERNATE TELEPHONE<br><b>ext 5088</b>                                    |
| REPORT LINE USE ONLY                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                               |                                                                                                                                             |                                              |                                                                           |
| <b>N</b>                                                                                                                                                                                                                                           | RECEIVED AT SPILL LINE BY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | POSITION<br>STATION OPERATOR                                                                                  | EMPLOYER                                                                                                                                    | LOCATION CALLED<br>YELLOWKNIFE, NT           | REPORT LINE NUMBER<br>(867) 920-8130                                      |
| LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> TC |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                               | SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN                                 |                                              | FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED |
| AGENCY                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | CONTACT NAME                                                                                                  | CONTACT TIME                                                                                                                                | REMARKS                                      |                                                                           |
| LEAD AGENCY                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                               |                                                                                                                                             |                                              |                                                                           |
| FIRST SUPPORT AGENCY                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                               |                                                                                                                                             |                                              |                                                                           |
| SECOND SUPPORT AGENCY                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                               |                                                                                                                                             |                                              |                                                                           |
| THIRD SUPPORT AGENCY                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                               |                                                                                                                                             |                                              |                                                                           |



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# NT-NU SPILL REPORT

OIL, GASOLINE, CHEMICALS AND OTHER HAZARDOUS MATERIALS

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|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------|
| <b>A</b>                                                                                                                                                                                                                                            | REPORT DATE: MONTH - DAY - YEAR<br><b>06-18-2017</b>                                                                                                                                                                                                                                                                                                                                                                  | REPORT TIME<br><b>15:00</b>                                                                                         | <input checked="" type="checkbox"/> ORIGINAL SPILL REPORT,<br>OR<br><input type="checkbox"/> UPDATE # _____<br>TO THE ORIGINAL SPILL REPORT |                                            | REPORT NUMBER<br><b>17 - 217</b>                                          |
| <b>B</b>                                                                                                                                                                                                                                            | OCCURRENCE DATE: MONTH - DAY - YEAR<br><b>Unknown</b>                                                                                                                                                                                                                                                                                                                                                                 | OCCURRENCE TIME<br><b>Unknown</b>                                                                                   |                                                                                                                                             |                                            |                                                                           |
| <b>C</b>                                                                                                                                                                                                                                            | LAND USE PERMIT NUMBER (IF APPLICABLE)<br><b>IOL - Commercial Lease No.: Q13C301</b>                                                                                                                                                                                                                                                                                                                                  |                                                                                                                     | WATER LICENCE NUMBER (IF APPLICABLE)<br><b>2AM-MRY1325 Type "A"</b>                                                                         |                                            |                                                                           |
| <b>D</b>                                                                                                                                                                                                                                            | GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION<br><b>Mary River Project Milne Port, Baffin Island, NU</b>                                                                                                                                                                                                                                                                                        |                                                                                                                     | REGION<br><input type="checkbox"/> NWT <input checked="" type="checkbox"/> NUNAVUT <input type="checkbox"/> ADJACENT JURISDICTION OR OCEAN  |                                            |                                                                           |
| <b>E</b>                                                                                                                                                                                                                                            | LATITUDE<br>DEGREES <b>71</b> MINUTES <b>52</b> SECONDS <b>53</b>                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                     | LONGITUDE<br>DEGREES <b>80</b> MINUTES <b>54</b> SECONDS <b>24</b>                                                                          |                                            |                                                                           |
| <b>F</b>                                                                                                                                                                                                                                            | RESPONSIBLE PARTY OR VESSEL NAME<br><b>Baffinland Iron Mines Corp.</b>                                                                                                                                                                                                                                                                                                                                                | RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION<br><b>2275 Upper Middle Road East, Suite 300, Oakville, ON, Canada</b> |                                                                                                                                             |                                            |                                                                           |
| <b>G</b>                                                                                                                                                                                                                                            | ANY CONTRACTOR INVOLVED<br><b>Nuna Logistics, Hatch</b>                                                                                                                                                                                                                                                                                                                                                               | CONTRACTOR ADDRESS OR OFFICE LOCATION                                                                               |                                                                                                                                             |                                            |                                                                           |
| <b>H</b>                                                                                                                                                                                                                                            | PRODUCT SPILLED<br><b>rock</b>                                                                                                                                                                                                                                                                                                                                                                                        | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES<br><b>Unknown</b>                                                     | U.N. NUMBER<br><b>N/A</b>                                                                                                                   |                                            |                                                                           |
|                                                                                                                                                                                                                                                     | SECOND PRODUCT SPILLED (IF APPLICABLE)<br><b>N/A</b>                                                                                                                                                                                                                                                                                                                                                                  | QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES<br><b>N/A</b>                                                         | U.N. NUMBER<br><b>N/A</b>                                                                                                                   |                                            |                                                                           |
| <b>I</b>                                                                                                                                                                                                                                            | SPILL SOURCE<br><b>Clean quarried rock</b>                                                                                                                                                                                                                                                                                                                                                                            | SPILL CAUSE<br><b>Placement of rock fill in drainag</b>                                                             | AREA OF CONTAMINATION IN SQUARE METRES<br><b>n/a</b>                                                                                        |                                            |                                                                           |
| <b>J</b>                                                                                                                                                                                                                                            | FACTORS AFFECTING SPILL OR RECOVERY                                                                                                                                                                                                                                                                                                                                                                                   | DESCRIBE ANY ASSISTANCE REQUIRED<br><b>None</b>                                                                     | HAZARDS TO PERSONS, PROPERTY OR ENVIRONMENT<br><b>None</b>                                                                                  |                                            |                                                                           |
| <b>K</b>                                                                                                                                                                                                                                            | ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS<br><br><b>See attached Inspector's Direction issued on June 9, 2017 and response to Inspector's Direction dated June 14, 2017. This is being reported as required by the conditions of Water Licence No. 2AM-MRY1325 and section 16(1) of the Nunavut Water Regulations.</b> |                                                                                                                     |                                                                                                                                             |                                            |                                                                           |
| <b>L</b>                                                                                                                                                                                                                                            | REPORTED TO SPILL LINE BY<br><b>William Bowden</b>                                                                                                                                                                                                                                                                                                                                                                    | POSITION<br><b>Env Superintendent</b>                                                                               | EMPLOYER<br><b>Baffinland</b>                                                                                                               | LOCATION CALLING FROM<br><b>Mary River</b> | TELEPHONE<br><b>ext 6016</b>                                              |
| <b>M</b>                                                                                                                                                                                                                                            | ANY ALTERNATE CONTACT<br><b>Wayne Mcphee</b>                                                                                                                                                                                                                                                                                                                                                                          | POSITION<br><b>Dir Sust Development</b>                                                                             | EMPLOYER<br><b>Baffinland</b>                                                                                                               | ALTERNATE CONTACT<br><b>647-253-0596</b>   | ALTERNATE TELEPHONE<br><b>Ext. 5088</b>                                   |
| REPORT LINE USE ONLY                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                     |                                                                                                                                             |                                            |                                                                           |
| <b>N</b>                                                                                                                                                                                                                                            | RECEIVED AT SPILL LINE BY                                                                                                                                                                                                                                                                                                                                                                                             | POSITION<br>STATION OPERATOR                                                                                        | EMPLOYER                                                                                                                                    | LOCATION CALLED<br>YELLOWKNIFE, NT         | REPORT LINE NUMBER<br>(867) 920-8130                                      |
| LEAD AGENCY <input type="checkbox"/> EC <input type="checkbox"/> CCG <input type="checkbox"/> GNWT <input type="checkbox"/> GN <input type="checkbox"/> ILA <input type="checkbox"/> INAC <input type="checkbox"/> NEB <input type="checkbox"/> DTC |                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                     | SIGNIFICANCE <input type="checkbox"/> MINOR <input type="checkbox"/> MAJOR <input type="checkbox"/> UNKNOWN                                 |                                            | FILE STATUS <input type="checkbox"/> OPEN <input type="checkbox"/> CLOSED |
| AGENCY                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                       | CONTACT NAME                                                                                                        | CONTACT TIME                                                                                                                                | REMARKS                                    |                                                                           |
| LEAD AGENCY                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                     |                                                                                                                                             |                                            |                                                                           |
| FIRST SUPPORT AGENCY                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                     |                                                                                                                                             |                                            |                                                                           |
| SECOND SUPPORT AGENCY                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                     |                                                                                                                                             |                                            |                                                                           |
| THIRD SUPPORT AGENCY                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                     |                                                                                                                                             |                                            |                                                                           |



**INSPECTOR'S DIRECTION**  
**Pursuant to Section 87(1) of the *Nunavut Waters***  
***and Nunavut Surface Rights Tribunal Act***

June 9 2017

**ISSUED TO: Baffinland Iron Mines Corporation via**  
**Chief Operating Officer, Sylvain Proulx**  
sylvain.proulx@baffinland.com

**RE: *Nunavut Waters and Nunavut Surface Rights Tribunal Act***  
**INSPECTOR'S DIRECTION**

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This is an inspector's direction to Baffinland Iron Mines Corporation (BIMC) under section 87(1) of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act*, referred to in this direction as the Act.

**BELIEF ON REASONABLE GROUNDS**

I, Justin Hack, an Inspector designated by the Minister under section 85(1) of the Act, have reasonable grounds to believe that:

*waters have been and may be used in contravention of a condition of a licence;  
and that the adverse effects of that use of water are causing, or may cause, a  
danger to property and the environment.*

**RELEVANT FACTS**

1. On May 31, 2017, while conducting a routine water licence inspection of Baffinland Iron Mines Corporation project in the Qikiqtani Region of Nunavut, I observed that a site lay-down pad was being constructed at approximately N71° 52.529, W080° 54.379.
2. During an inspection of the perimeter, I observed that the lay-down pad was built over top a stream, and I observed that rock fill had been placed in the stream. The stream was approximately 1m in width. The stream now flows through the substrate (rock fill) used to construct the base of the site lay-down pad from the east. I observed that the stream exits the facility to the west.
3. Given that the construction of the site lay-down pad was over a stream, and that rock fill had been placed in the stream (constituting a use of waters under paragraphs (b), (c) and (d) of the definition of "use" in the Act), I asked the site's Environmental Superintendent whether BIMC had obtained the necessary Nunavut Water Board authorization.
4. In response to my question, the Site's Environmental Superintendent indicated that approval for the site lay-down pad can be found in their Amended Workplan,



which was submitted to the Nunavut Water Board on May 26, 2017 (five days before my inspection).

5. This document indicated that this site lay-down pad would be used for a “Port Construction Camp” that would accommodate a 380-person temporary camp inclusive of potable water treatment, sewage treatment, incinerator, kitchen, dining, locker, recreational and washroom facilities.
6. On review of the BIMC Water Licence 2AM-MRY1325 Amendment No. 1, this BIMC workplan does not constitute an approval, nor does it meet the requirements of the BIMC Water Licence 2AM-MRY1325 Amendment No. 1, which contains the following provision:
  - a. *Part D, Item 2: The Licensee shall submit to the Board for review and acceptance, at least sixty (60) days prior to construction or in a timeframe otherwise approved by the Board in writing, final design and for-construction drawings, stamped and signed by a Professional Engineer, for all infrastructure and/or facilities designed to contain, withhold, divert or retain Water and/or Waste, as authorized under the License.*
7. This provision of the licence is applicable because the rock fill in the stream will on its own, or in combination with accumulation of sedimentation or other debris, withhold, divert or retain water.
8. I also note that the licence is intended to be protective of watercourses and drainage paths within the project footprint:
  - a. *Part D, Item 20: The Licensee shall not erect camps or store material on the surface of frozen streams or lakes including the immediate banks except what is for immediate use. Camps shall be located such that impacts on surface drainage is minimized.*
  - b. *Part D, Item 21: The Licensee shall undertake necessary corrective measures to mitigate impact on surface drainage resulting from the Licensee’s activities.*
  - c. *Part D, Item 25: The Licensee shall prevent the deposition of debris or sediment from entering into or onto any Water body, with respect to the construction of access roads, site laydown pads and areas or other earthworks. These materials shall be disposed of at a distance of at least thirty-one (31) metres from the ordinary High Water Mark in such a manner that they do not enter the water.*
9. During my inspection, and despite being asked whether BIMC had a Water Board authorization to construct a lay-down pad over the stream (and place rock fill in the stream), on-site officials did not demonstrate to me that BIMC had any such authorization, and specifically did not demonstrate that the conditions of Part D, Item 2 had been met. The Amended Workplan did not include “final design and for-construction drawings, stamped and signed by a Professional Engineer”, and was submitted only five days before my inspection, while Part D, Item 2 requires submission to the Board 60 days before construction (or at a time otherwise approve by the Board in writing).
10. As of today, even if the Amended Workplan contained the required drawings, it is unlikely that the Nunavut Water Board has reviewed and accepted the required drawings according to its usual practice of posting for comment; and not enough



time has passed since submission for the Board to be deemed to have accepted the required drawings according to the terms of Part D, Item 2.

11. If the Board does not accept the proposed design, reconfiguration of the pad or other remedial steps might be required.
12. On the basis of my onsite observations and interactions and my review of the 2AM-MRY1325 water licence, I believe that there has been a use of waters in contravention of the conditions of that licence and that:
  - a. the placement of fill within a stream will cause sedimentation downstream and this may cause adverse effects to the environment,
  - b. the placement of fill within a stream, without proper diversion of the stream, may cause erosion and instability of the pad,
  - c. the stream may pool or flood if the site lay-down pad acts as a dam-like structure during freshet, resulting in potential damage to surrounding lands and infrastructure,
  - d. commissioning a camp on this structure within 31m of the watercourse may increase the risk of any spills that originate on the pad to enter water and cause adverse effects to the environment and,
  - e. that additional construction of the site lay-down pad, or building the camp on top of it, would make any re-configuration of the pad or other remedial steps to address the environmental issues created by the placement of rock fill in the stream more technically challenging or otherwise onerous.
13. For those reasons, I gave an oral direction to BIMC through Sylvain Proulx on June 1, 2017 to stop work on the new site lay-down pad at Milne Port until Part D, Item 2 of the licence has been complied with.

## MEASURES TO BE TAKEN

Based upon the above grounds, I hereby direct **Baffinland Iron Mines Corporation**:

1. To stop all work on the site lay-down pad at Milne Port at approximately N71° 52.529, W080° 54.379 until Part D, Item 2 of the licence has been complied with; and
2. If the Nunavut Water Board has not accepted the plans within the time indicated in Part D, Item 2 of the licence, -- to inform me of this fact, at which time I will consider the need and options for additional direction under section 87(1).
3. To post this direction prominently in appropriate locations at the site, to otherwise inform appropriate persons of this direction, and take any other appropriate steps to ensure it is complied with.



This inspector's direction does not exempt any person from compliance with other relevant legislation.

Under section 90(1) of the Act, any person that fails to comply with a direction given by an inspector under section 87(1) is guilty of an offence and is liable on summary conviction to a fine not exceeding \$100,000 or to imprisonment for a term not exceeding one year, or to both.

### **New Information or Correction of Information**

This direction is based on the information available to me at the time of making it. If you wish to bring additional information to my attention or correct any facts that might be in error, please do so in writing.

### **Review**

Under section 87(3) of the Act, the Minister may, and if BIMC requests it the Minister must, review this direction. After review the Minister may leave the direction unchanged, alter or revoke it.

Signed this 9 day of June, 2017 at Iqaluit, Nunavut.

---

Justin Hack  
Water Resource Officer  
Field Operations, INAC  
Iqaluit, Nunavut  
867-975-4517  
justin.hack@aandc.gc.ca

cc: Erik Allain, Sarah Forte, *Indigenous and Northern Affairs Canada*  
Stephanie Autut, Sean Joseph, *Nunavut Water Board*  
Laura Taylor, Bill Bowden, Wayne McPhee, Todd Burlingame – *BIMC*  
Stephen Bathory - *QIA*



Justin Hack  
Water Resource Officer  
Field Operations, INAC  
Iqaluit, Nunavut

June 14, 2017

**RE: Response to Inspector's Direction of June 9, 2017.**

**From: Sylvain Proulx, Chief Operating Officer**

On behalf of Baffinland this is to acknowledge receipt of the above Inspector's Direction issued on June 9, 2017.

We wish to confirm that work on the site laydown pad at Milne Port has stopped and the contractor has been demobilized from the site. We acknowledge that the work was undertaken in error and prior to obtaining approval for construction under Part D of our existing water license. We will provide full cooperation in considering the best options going forward. As a result of the Inspector's Direction, Baffinland has initiated actions to improve our performance and the performance of our contractors including the implementation of a "Permit to Work" protocol.

According to our records the drainage path in question is seasonal and is not classified as fish habitat. As noted in the Inspector's Direction, the drainage path continues to flow through the rock fill and we believe that neither the quantity nor quality of the streamflow has been affected.

Baffinland expects to be submitting the proper documentation to the Nunavut Water Board pursuant to Part D, Item 2 of Water License 2AM-MRY1325 Amendment No. 1 to seek authorization for the site laydown pad and to divert the drainage path around the lay down in accordance with our Surface Water and Aquatic Ecosystem Management Plan by June 16, 2017.

Please consider this acknowledgement and response to your June 9, 2017 Direction as our report of a deposit of material in a stream in accordance with section 12 (3) of the Nunavut Waters Act and advise us if there is any further information which you require at this time. As indicated above, we will offer our full cooperation in addressing and resolving these circumstances with a focus on compliance and on environmental protection.

Baffinland takes this situation very seriously and we take full responsibility for addressing it quickly and effectively.

A handwritten signature in blue ink, appearing to read "S. Proulx", with a large circular flourish at the end.

Sylvain Proulx,  
Chief Operating Officer

Cc/ Erik Allain, Sarah Forte, *Indigenous and Northern Affairs Canada*  
Stephanie Autut, Sean Joseph, *Nunavut Water Board*  
Stephen Williamson Bathory, *QIA*  
William Bowden, Laura Taylor, Wayne McPhee, Todd Burlingame, *Baffinland*

## **APPENDIX B**

### **Surface Water Quality and Acute Toxicity Results**

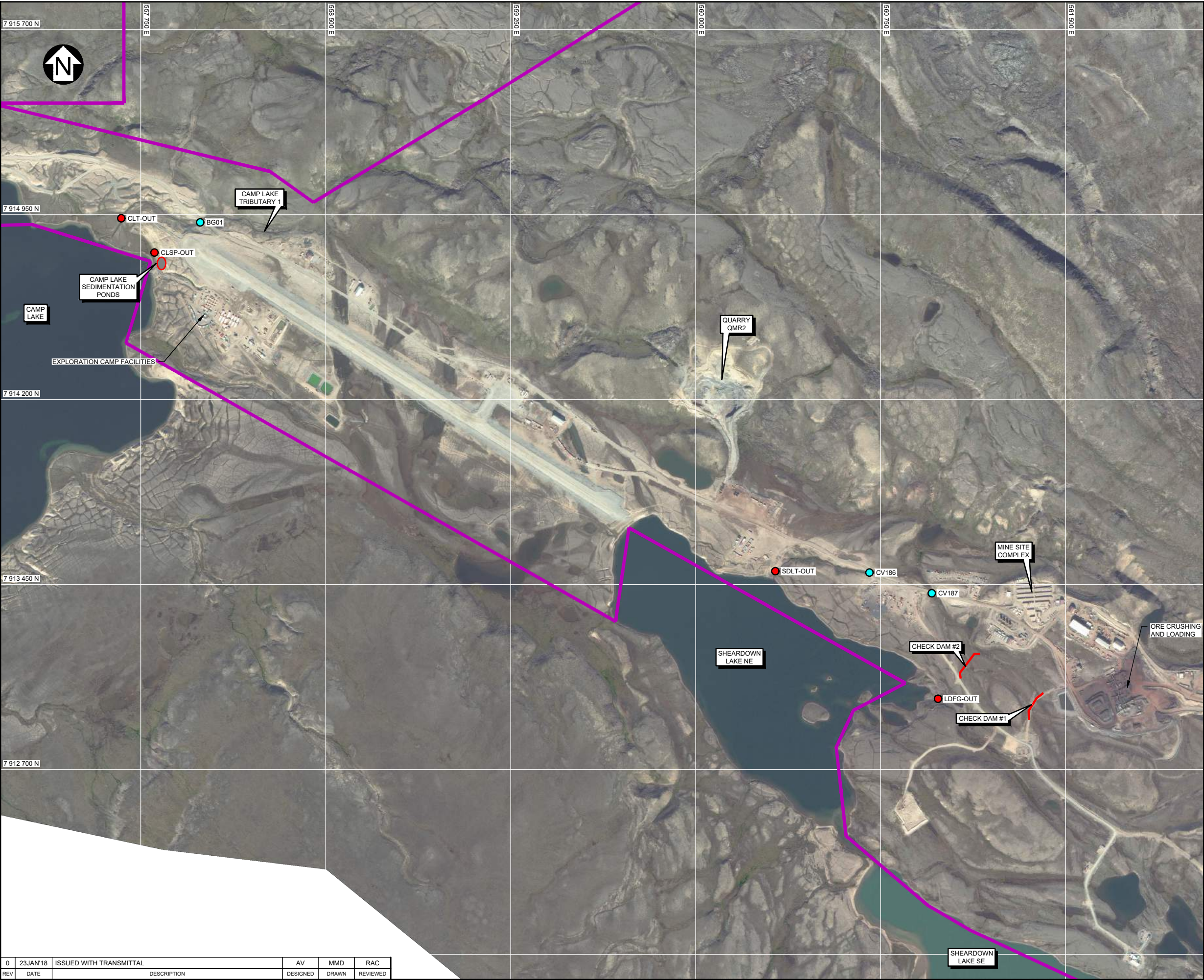
## **APPENDIX B.1**

### **Sample IDs and Locations**

**Table B.1.1 - Sample IDs and Locations**

| Sample Location | Description                                                                         | Coordinates (Lat/Long)             |
|-----------------|-------------------------------------------------------------------------------------|------------------------------------|
| CLSP-OUT        | Camp Lake Sedimentation Ponds Outlet                                                | N 71° 19' 42.2"<br>W 79° 22' 55.4" |
| CLT-OUT         | Camp Lake Tributary 1<br>(100 m upstream of Camp Lake Outfall)                      | N 71° 19' 46.8"<br>W 79° 23' 08.6" |
| SDLT-OUT        | Sheardown Lake Tributary 1<br>(100 m upstream of Sheardown Lake Outfall)            | N 71° 18' 57.6"<br>W 79° 18' 46.8" |
| LDFG-OUT        | Sheardown Lake Landfill Gate Tributary<br>(40 m upstream of Sheardown Lake Outfall) | N 71° 18' 41.0"<br>W 79° 17' 40.6" |
| MP-05           | Milne Port Ore Stockpile<br>East Sedimentation Pond                                 | N 71° 53' 14.3"<br>W 80° 54' 01"   |
| CV-175-PAD-US   | Upstream of New Milne Port Camp Pad                                                 | N 71 52' 32.1"<br>W 80 54 07.9"    |
| CV-175-PAD-DS   | Downstream of New Milne Port Camp Pad                                               | N 71 52' 32.3"<br>W 80 54' 24.8"   |

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**LEGEND:**

- QIA SURFACE COMMERCIAL LEASE BOUNDARY
- WATER QUALITY SAMPLE LOCATION
- CULVERT LOCATION

**NOTES:**

- COORDINATE GRID IS UTM NAD83 ZONE 17N.
- PLAN BASED ON INFORMATION PROVIDED BY HATCH, DATED (JAN 13, 2015).
- IMAGERY BASED ON INFORMATION PROVIDED BY BAFFINLAND IRON MINES CORPORATION, DATED AUGUST 2016.
- CHECK DAMS #1 AND #2 WERE CONSTRUCTED IN 2016.

SCALE A 150750250500750 m

BAFFINLAND IRON MINES CORPORATION

MARY RIVER PROJECT

**MINE SITE INFRASTRUCTURE AND  
FRESHET MONITORING LOCATIONS**

***Knight Piésold***  
CONSULTING

|                         |                       |
|-------------------------|-----------------------|
| P/A NO.<br>NB102-181/41 | REF NO.<br>NB18-00056 |
|-------------------------|-----------------------|

**FIGURE 1**

REV  
0

|     |          |                         |          |       |          |
|-----|----------|-------------------------|----------|-------|----------|
| 0   | 23JAN'18 | ISSUED WITH TRANSMITTAL | AV       | MMD   | RAC      |
| REV | DATE     | DESCRIPTION             | DESIGNED | DRAWN | REVIEWED |

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- LEGEND:**
- NT-NU SPILL 17-214 - MILNE PORT BEACH EROSION EVENT NEAR FREIGHT DOCK
  - NEW MILNE PORT CAMP PAD
  - WATER QUALITY SAMPLE LOCATION
  - LOCATIONS OF BANK EROSION FROM MP-05 OVERFLOW
  - CAMP PAD DIVERSION DITCH

- NOTES:**
- COORDINATE GRID IS UTM NAD83 ZONE 17N.
  - IMAGERY BASED ON INFORMATION PROVIDED BY BAFFINLAND IRON MINES CORPORATION, DATED AUGUST 2016.



BAFFINLAND IRON MINES CORPORATION

MARY RIVER PROJECT

MILNE PORT INFRASTRUCTURE AND  
FRESHET MONITORING LOCATIONS

**Knight Piésold**  
CONSULTING

P/A NO.  
NB102-181/41

REF NO.  
NB18-00056

FIGURE 2

REV  
0

|     |          |                         |          |       |          |
|-----|----------|-------------------------|----------|-------|----------|
| 0   | 23JAN'18 | ISSUED WITH TRANSMITTAL | AV       | MMD   | RAC      |
| REV | DATE     | DESCRIPTION             | DESIGNED | DRAWN | REVIEWED |



## **APPENDIX B.2**

### **Water Quality Results**

**Table B.2.1 - Surface Water Quality Monitoring for Sheardown Lake Tributaries**

| Sample Number | Sample ID | Date Sampled | Parameter Name               | Result    | Units    | Lab |
|---------------|-----------|--------------|------------------------------|-----------|----------|-----|
| L1925884-1    | SDLT-OUT  | 11-May-17    | pH                           | 7.2       | pH units | ALS |
| L1925884-1    | SDLT-OUT  | 11-May-17    | Total Suspended Solids       | 326       | mg/L     | ALS |
| L1925884-1    | SDLT-OUT  | 11-May-17    | Total Dissolved Solids       | 90        | mg/L     | ALS |
| L1925884-1    | SDLT-OUT  | 11-May-17    | Turbidity                    | 232       | NTU      | ALS |
| L1925884-2    | SDLT-OUT  | 12-May-17    | pH                           | 7.53      | pH units | ALS |
| L1925884-2    | SDLT-OUT  | 12-May-17    | Total Suspended Solids       | 73.6      | mg/L     | ALS |
| L1925884-2    | SDLT-OUT  | 12-May-17    | Total Dissolved Solids       | 120       | mg/L     | ALS |
| L1925884-2    | SDLT-OUT  | 12-May-17    | Turbidity                    | 134       | NTU      | ALS |
| L1925953-2    | SDLT-OUT  | 13-May-17    | pH                           | 7.58      | pH units | ALS |
| L1925953-2    | SDLT-OUT  | 13-May-17    | Total Suspended Solids       | 93        | mg/L     | ALS |
| L1925953-2    | SDLT-OUT  | 13-May-17    | Total Dissolved Solids       | 105       | mg/L     | ALS |
| L1925953-2    | SDLT-OUT  | 13-May-17    | Turbidity                    | 191       | NTU      | ALS |
| L1925975-2    | SDLT-OUT  | 14-May-17    | pH                           | 7.61      | pH units | ALS |
| L1925975-2    | SDLT-OUT  | 14-May-17    | Total Suspended Solids       | 41.2      | mg/L     | ALS |
| L1925975-2    | SDLT-OUT  | 14-May-17    | Total Dissolved Solids       | 100       | mg/L     | ALS |
| L1925975-2    | SDLT-OUT  | 14-May-17    | Turbidity                    | 98.1      | NTU      | ALS |
| L1926436-2    | SDLT-OUT  | 15-May-17    | pH                           | 7.75      | pH units | ALS |
| L1926436-2    | SDLT-OUT  | 15-May-17    | Total Suspended Solids       | 59.3      | mg/L     | ALS |
| L1926436-2    | SDLT-OUT  | 15-May-17    | Total Dissolved Solids       | 135       | mg/L     | ALS |
| L1926436-2    | SDLT-OUT  | 15-May-17    | Turbidity                    | 118       | NTU      | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Conductivity                 | 112       | uS/cm    | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Hardness (as CaCO3)          | 44        | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | pH                           | 7.78      | pH units | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Total Suspended Solids       | 60.6      | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Total Dissolved Solids       | 88        | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Turbidity                    | 174       | NTU      | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Alkalinity, Total (as CaCO3) | 29        | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Ammonia, Total (as N)        | 0.054     | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Chloride (Cl)                | 2.43      | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Fluoride (F)                 | <0.020    | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Nitrate (as N)               | 0.24      | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Total Kjeldahl Nitrogen      | 0.51      | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Phosphorus, Total            | 0.227     | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Sulfate (SO4)                | 16.7      | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Dissolved Organic Carbon     | 3.3       | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Total Organic Carbon         | 4.9       | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Aluminum (Al)-Total          | 5.13      | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Arsenic (As)-Total           | <0.0010   | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Cadmium (Cd)-Total           | <0.00010  | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Calcium (Ca)-Total           | 8.8       | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Copper (Cu)-Total            | 0.016     | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Iron (Fe)-Total              | 6.71      | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Lead (Pb)-Total              | 0.0129    | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Magnesium (Mg)-Total         | 9.65      | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Manganese (Mn)-Total         | 0.175     | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Mercury (Hg)-Total           | <0.000010 | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Molybdenum (Mo)-Total        | 0.004     | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Nickel (Ni)-Total            | 0.0085    | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Potassium (K)-Total          | 5.15      | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Selenium (Se)-Total          | <0.00050  | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Sodium (Na)-Total            | <5.0      | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Thallium (Tl)-Total          | <0.00010  | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Uranium (U)-Total            | 0.00223   | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Zinc (Zn)-Total              | <0.030    | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Aluminum (Al)-Dissolved      | 0.0893    | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Arsenic (As)-Dissolved       | <0.00010  | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Cadmium (Cd)-Dissolved       | 0.000015  | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Calcium (Ca)-Dissolved       | 7.91      | mg/L     | ALS |

**Table B.2.1 - Surface Water Quality Monitoring for Sheardown Lake Tributaries**

| Sample Number | Sample ID | Date Sampled | Parameter Name            | Result    | Units    | Lab |
|---------------|-----------|--------------|---------------------------|-----------|----------|-----|
| L1927999-1    | SDLT-OUT  | 16-May-17    | Copper (Cu)-Dissolved     | 0.00142   | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Iron (Fe)-Dissolved       | 0.054     | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Lead (Pb)-Dissolved       | 0.000177  | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Magnesium (Mg)-Dissolved  | 5.96      | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Manganese (Mn)-Dissolved  | 0.0173    | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Mercury (Hg)-Dissolved    | <0.000010 | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Molybdenum (Mo)-Dissolved | 0.00394   | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Nickel (Ni)-Dissolved     | 0.00073   | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Potassium (K)-Dissolved   | 3.29      | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Selenium (Se)-Dissolved   | 0.000072  | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Sodium (Na)-Dissolved     | 1.33      | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Thallium (Tl)-Dissolved   | <0.000010 | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Uranium (U)-Dissolved     | 0.000506  | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Zinc (Zn)-Dissolved       | <0.0010   | mg/L     | ALS |
| L1927999-1    | SDLT-OUT  | 16-May-17    | Oil and Grease, Total     | 17.2      | mg/L     | ALS |
| L1930053-2    | SDLT-OUT  | 23-May-17    | pH                        | 7.53      | pH units | ALS |
| L1930053-2    | SDLT-OUT  | 23-May-17    | Total Suspended Solids    | 30.5      | mg/L     | ALS |
| L1930053-2    | SDLT-OUT  | 23-May-17    | Total Dissolved Solids    | 75        | mg/L     | ALS |
| L1930053-2    | SDLT-OUT  | 23-May-17    | Turbidity                 | 71.3      | NTU      | ALS |
| L1931069-4    | SDLT-OUT  | 24-May-17    | pH                        | 7.43      | pH units | ALS |
| L1931069-4    | SDLT-OUT  | 24-May-17    | Total Suspended Solids    | 119       | mg/L     | ALS |
| L1931069-4    | SDLT-OUT  | 24-May-17    | Total Dissolved Solids    | 24        | mg/L     | ALS |
| L1931069-4    | SDLT-OUT  | 24-May-17    | Turbidity                 | 83.6      | NTU      | ALS |
| L1931870 -4   | SDLT-OUT  | 25-May-17    | pH                        | 7.4       | pH units | ALS |
| L1931870 -4   | SDLT-OUT  | 25-May-17    | Total Suspended Solids    | 28.8      | mg/L     | ALS |
| L1931870 -4   | SDLT-OUT  | 25-May-17    | Total Dissolved Solids    | 57        | mg/L     | ALS |
| L1931870 -4   | SDLT-OUT  | 25-May-17    | Turbidity                 | 32        | NTU      | ALS |
| L1932463 -4   | SDLT-OUT  | 26-May-17    | pH                        | 7.31      | pH units | ALS |
| L1932463 -4   | SDLT-OUT  | 26-May-17    | Total Suspended Solids    | 22        | mg/L     | ALS |
| L1932463 -4   | SDLT-OUT  | 26-May-17    | Total Dissolved Solids    | <20       | mg/L     | ALS |
| L1932463 -4   | SDLT-OUT  | 26-May-17    | Turbidity                 | 24.3      | NTU      | ALS |
| L1932521-4    | SDLT-OUT  | 27-May-17    | pH                        | 7.56      | pH units | ALS |
| L1932521-4    | SDLT-OUT  | 27-May-17    | Total Suspended Solids    | 11.6      | mg/L     | ALS |
| L1932521-4    | SDLT-OUT  | 27-May-17    | Total Dissolved Solids    | 52        | mg/L     | ALS |
| L1932521-4    | SDLT-OUT  | 27-May-17    | Turbidity                 | 19.3      | NTU      | ALS |
| L1932828-4    | SDLT-OUT  | 28-May-17    | pH                        | 7.59      | pH units | ALS |
| L1932828-4    | SDLT-OUT  | 28-May-17    | Total Suspended Solids    | 4.4       | mg/L     | ALS |
| L1932828-4    | SDLT-OUT  | 28-May-17    | Total Dissolved Solids    | 122       | mg/L     | ALS |
| L1932828-4    | SDLT-OUT  | 28-May-17    | Turbidity                 | 15.2      | NTU      | ALS |
| L1933090-4    | SDLT-OUT  | 29-May-17    | pH                        | 7.53      | pH units | ALS |
| L1933090-4    | SDLT-OUT  | 29-May-17    | Total Suspended Solids    | 3.6       | mg/L     | ALS |
| L1933090-4    | SDLT-OUT  | 29-May-17    | Total Dissolved Solids    | 20        | mg/L     | ALS |
| L1933090-4    | SDLT-OUT  | 29-May-17    | Turbidity                 | 9.6       | NTU      | ALS |
| L1933822-4    | SDLT-OUT  | 30-May-17    | pH                        | 7.53      | pH units | ALS |
| L1933822-4    | SDLT-OUT  | 30-May-17    | Total Suspended Solids    | 2.4       | mg/L     | ALS |
| L1933822-4    | SDLT-OUT  | 30-May-17    | Total Dissolved Solids    | 70        | mg/L     | ALS |
| L1933822-4    | SDLT-OUT  | 30-May-17    | Turbidity                 | 8.83      | NTU      | ALS |
| L1935117-4    | SDLT-OUT  | 31-May-17    | pH                        | 7.61      | pH units | ALS |
| L1935117-4    | SDLT-OUT  | 31-May-17    | Total Suspended Solids    | 2.4       | mg/L     | ALS |
| L1935117-4    | SDLT-OUT  | 31-May-17    | Total Dissolved Solids    | 110       | mg/L     | ALS |
| L1935117-4    | SDLT-OUT  | 31-May-17    | Turbidity                 | 8.99      | NTU      | ALS |
| L1935148-4    | SDLT-OUT  | 1-Jun-17     | pH                        | 7.51      | pH units | ALS |
| L1935148-4    | SDLT-OUT  | 1-Jun-17     | Total Suspended Solids    | 9.2       | mg/L     | ALS |
| L1935148-4    | SDLT-OUT  | 1-Jun-17     | Total Dissolved Solids    | 80        | mg/L     | ALS |
| L1935148-4    | SDLT-OUT  | 1-Jun-17     | Turbidity                 | 18.3      | NTU      | ALS |
| L1935911-5    | SDLT-OUT  | 2-Jun-17     | pH                        | 7.61      | pH units | ALS |
| L1935911-5    | SDLT-OUT  | 2-Jun-17     | Total Suspended Solids    | 12.4      | mg/L     | ALS |
| L1935911-5    | SDLT-OUT  | 2-Jun-17     | Total Dissolved Solids    | 65        | mg/L     | ALS |

**Table B.2.1 - Surface Water Quality Monitoring for Sheardown Lake Tributaries**

| Sample Number | Sample ID | Date Sampled | Parameter Name               | Result    | Units    | Lab |
|---------------|-----------|--------------|------------------------------|-----------|----------|-----|
| L1935911-5    | SDLT-OUT  | 2-Jun-17     | Turbidity                    | 21.3      | NTU      | ALS |
| L1936153-4    | SDLT-OUT  | 3-Jun-17     | pH                           | 7.57      | pH units | ALS |
| L1936153-4    | SDLT-OUT  | 3-Jun-17     | Total Suspended Solids       | 14.4      | mg/L     | ALS |
| L1936153-4    | SDLT-OUT  | 3-Jun-17     | Total Dissolved Solids       | 55        | mg/L     | ALS |
| L1936153-4    | SDLT-OUT  | 3-Jun-17     | Turbidity                    | 21.6      | NTU      | ALS |
| L1937408-1    | SDLT-OUT  | 4-Jun-17     | pH                           | 7.54      | pH units | ALS |
| L1937408-1    | SDLT-OUT  | 4-Jun-17     | Total Suspended Solids       | 5.6       | mg/L     | ALS |
| L1937408-1    | SDLT-OUT  | 4-Jun-17     | Total Dissolved Solids       | 60        | mg/L     | ALS |
| L1937408-1    | SDLT-OUT  | 4-Jun-17     | Turbidity                    | 11.5      | NTU      | ALS |
| L1937423-1    | SDLT-OUT  | 5-Jun-17     | pH                           | 7.63      | pH units | ALS |
| L1937423-1    | SDLT-OUT  | 5-Jun-17     | Total Suspended Solids       | 8.4       | mg/L     | ALS |
| L1937423-1    | SDLT-OUT  | 5-Jun-17     | Total Dissolved Solids       | 75        | mg/L     | ALS |
| L1937423-1    | SDLT-OUT  | 5-Jun-17     | Turbidity                    | 14.1      | NTU      | ALS |
| L1937661-1    | SDLT-OUT  | 6-Jun-17     | pH                           | 7.61      | pH units | ALS |
| L1937661-1    | SDLT-OUT  | 6-Jun-17     | Total Suspended Solids       | 8.4       | mg/L     | ALS |
| L1937661-1    | SDLT-OUT  | 6-Jun-17     | Total Dissolved Solids       | 65        | mg/L     | ALS |
| L1937661-1    | SDLT-OUT  | 6-Jun-17     | Turbidity                    | 12.5      | NTU      | ALS |
| L1938556-1    | SDLT-OUT  | 7-Jun-17     | pH                           | 7.63      | pH units | ALS |
| L1938556-1    | SDLT-OUT  | 7-Jun-17     | Total Suspended Solids       | 5.6       | mg/L     | ALS |
| L1938556-1    | SDLT-OUT  | 7-Jun-17     | Total Dissolved Solids       | 45        | mg/L     | ALS |
| L1938556-1    | SDLT-OUT  | 7-Jun-17     | Turbidity                    | 7.4       | NTU      | ALS |
| L1939257-1    | SDLT-OUT  | 8-Jun-17     | pH                           | 7.65      | pH units | ALS |
| L1939257-1    | SDLT-OUT  | 8-Jun-17     | Total Suspended Solids       | 2         | mg/L     | ALS |
| L1939257-1    | SDLT-OUT  | 8-Jun-17     | Total Dissolved Solids       | 60        | mg/L     | ALS |
| L1939257-1    | SDLT-OUT  | 8-Jun-17     | Turbidity                    | 5.43      | NTU      | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Hardness (as CaCO3)          | 46        | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | pH                           | 7.7       | pH units | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Total Suspended Solids       | 6.4       | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Total Dissolved Solids       | 50        | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Turbidity                    | 12.4      | NTU      | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Alkalinity, Total (as CaCO3) | 41        | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Ammonia, Total (as N)        | <0.020    | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Chloride (Cl)                | 2.59      | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Fluoride (F)                 | 0.026     | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Nitrate (as N)               | 0.167     | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Total Kjeldahl Nitrogen      | 0.24      | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Phosphorus, Total            | 0.0093    | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Sulfate (SO4)                | 11.7      | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Dissolved Organic Carbon     | 3         | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Total Organic Carbon         | 3.5       | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Aluminum (Al)-Total          | 0.219     | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Arsenic (As)-Total           | <0.00010  | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Cadmium (Cd)-Total           | 0.000018  | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Calcium (Ca)-Total           | 9.25      | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Copper (Cu)-Total            | 0.0036    | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Iron (Fe)-Total              | 0.32      | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Lead (Pb)-Total              | 0.00112   | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Magnesium (Mg)-Total         | 6.23      | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Manganese (Mn)-Total         | 0.00963   | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Mercury (Hg)-Total           | <0.000010 | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Molybdenum (Mo)-Total        | 0.00156   | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Nickel (Ni)-Total            | 0.00171   | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Potassium (K)-Total          | 1.63      | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Selenium (Se)-Total          | 0.000059  | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Sodium (Na)-Total            | 1.07      | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Thallium (Tl)-Total          | 0.000014  | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Uranium (U)-Total            | 0.00093   | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Zinc (Zn)-Total              | <0.0030   | mg/L     | ALS |

**Table B.2.1 - Surface Water Quality Monitoring for Sheardown Lake Tributaries**

| Sample Number | Sample ID | Date Sampled | Parameter Name            | Result     | Units    | Lab |
|---------------|-----------|--------------|---------------------------|------------|----------|-----|
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Aluminum (Al)-Dissolved   | <0.0050    | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Arsenic (As)-Dissolved    | <0.00010   | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Cadmium (Cd)-Dissolved    | <0.000010  | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Calcium (Ca)-Dissolved    | 9.15       | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Copper (Cu)-Dissolved     | 0.00064    | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Iron (Fe)-Dissolved       | 0.026      | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Lead (Pb)-Dissolved       | <0.000050  | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Magnesium (Mg)-Dissolved  | 5.58       | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Manganese (Mn)-Dissolved  | 0.00169    | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Mercury (Hg)-Dissolved    | 0.000013 * | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Molybdenum (Mo)-Dissolved | 0.000614   | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Nickel (Ni)-Dissolved     | 0.00089    | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Potassium (K)-Dissolved   | 1.03       | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Selenium (Se)-Dissolved   | <0.000050  | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Sodium (Na)-Dissolved     | 0.68       | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Thallium (Tl)-Dissolved   | <0.000010  | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Uranium (U)-Dissolved     | 0.000168   | mg/L     | ALS |
| L1940018-1    | SDLT-OUT  | 9-Jun-17     | Zinc (Zn)-Dissolved       | 0.0015     | mg/L     | ALS |
| L1940020-2    | SDLT-OUT  | 10-Jun-17    | pH                        | 7.71       | pH units | ALS |
| L1940020-2    | SDLT-OUT  | 10-Jun-17    | Total Suspended Solids    | 4          | mg/L     | ALS |
| L1940020-2    | SDLT-OUT  | 10-Jun-17    | Total Dissolved Solids    | 70         | mg/L     | ALS |
| L1940020-2    | SDLT-OUT  | 10-Jun-17    | Turbidity                 | 8.71       | NTU      | ALS |
| L1940022-2    | SDLT-OUT  | 11-Jun-17    | pH                        | 7.74       | pH units | ALS |
| L1940022-2    | SDLT-OUT  | 11-Jun-17    | Total Suspended Solids    | 6.8        | mg/L     | ALS |
| L1940022-2    | SDLT-OUT  | 11-Jun-17    | Total Dissolved Solids    | 70         | mg/L     | ALS |
| L1940022-2    | SDLT-OUT  | 11-Jun-17    | Turbidity                 | 10         | NTU      | ALS |
| L1942070-2    | SDLT-OUT  | 12-Jun-17    | pH                        | 7.92       | pH units | ALS |
| L1942070-2    | SDLT-OUT  | 12-Jun-17    | Total Suspended Solids    | 23.4       | mg/L     | ALS |
| L1942070-2    | SDLT-OUT  | 12-Jun-17    | Total Dissolved Solids    | 63         | mg/L     | ALS |
| L1942070-2    | SDLT-OUT  | 12-Jun-17    | Turbidity                 | 17.6       | NTU      | ALS |
| L1940978-4    | SDLT-OUT  | 13-Jun-17    | pH                        | 7.75       | pH units | ALS |
| L1940978-4    | SDLT-OUT  | 13-Jun-17    | Total Suspended Solids    | <2.0       | mg/L     | ALS |
| L1940978-4    | SDLT-OUT  | 13-Jun-17    | Total Dissolved Solids    | 40         | mg/L     | ALS |
| L1940978-4    | SDLT-OUT  | 13-Jun-17    | Turbidity                 | 4.27       | NTU      | ALS |
| L1942538-2    | SDLT-OUT  | 14-Jun-17    | pH                        | 7.66       | pH units | ALS |
| L1942538-2    | SDLT-OUT  | 14-Jun-17    | Total Suspended Solids    | 5.2        | mg/L     | ALS |
| L1942538-2    | SDLT-OUT  | 14-Jun-17    | Total Dissolved Solids    | 64         | mg/L     | ALS |
| L1942538-2    | SDLT-OUT  | 14-Jun-17    | Turbidity                 | 6.67       | NTU      | ALS |
| L1943887-2    | SDLT-OUT  | 15-Jun-17    | pH                        | 7.67       | pH units | ALS |
| L1943887-2    | SDLT-OUT  | 15-Jun-17    | Total Suspended Solids    | 21.6       | mg/L     | ALS |
| L1943887-2    | SDLT-OUT  | 15-Jun-17    | Total Dissolved Solids    | 91         | mg/L     | ALS |
| L1943887-2    | SDLT-OUT  | 15-Jun-17    | Turbidity                 | 15         | NTU      | ALS |
| L1943993-2    | SDLT-OUT  | 16-Jun-17    | pH                        | 7.67       | pH units | ALS |
| L1943993-2    | SDLT-OUT  | 16-Jun-17    | Total Suspended Solids    | <2.0       | mg/L     | ALS |
| L1943993-2    | SDLT-OUT  | 16-Jun-17    | Total Dissolved Solids    | 100        | mg/L     | ALS |
| L1943993-2    | SDLT-OUT  | 16-Jun-17    | Turbidity                 | 3.97       | NTU      | ALS |
| L1944007-2    | SDLT-OUT  | 17-Jun-17    | pH                        | 7.61       | pH units | ALS |
| L1944007-2    | SDLT-OUT  | 17-Jun-17    | Total Suspended Solids    | 2.4        | mg/L     | ALS |
| L1944007-2    | SDLT-OUT  | 17-Jun-17    | Total Dissolved Solids    | 67         | mg/L     | ALS |
| L1944007-2    | SDLT-OUT  | 17-Jun-17    | Turbidity                 | 4.24       | NTU      | ALS |
| L1944017-2    | SDLT-OUT  | 18-Jun-17    | pH                        | 7.76       | pH units | ALS |
| L1944017-2    | SDLT-OUT  | 18-Jun-17    | Total Suspended Solids    | <2.0       | mg/L     | ALS |
| L1944017-2    | SDLT-OUT  | 18-Jun-17    | Total Dissolved Solids    | <20        | mg/L     | ALS |
| L1944017-2    | SDLT-OUT  | 18-Jun-17    | Turbidity                 | 7.79       | NTU      | ALS |
| L1945221-4    | SDLT-OUT  | 19-Jun-17    | pH                        | 7.92       | pH units | ALS |
| L1945221-4    | SDLT-OUT  | 19-Jun-17    | Total Suspended Solids    | 4.5        | mg/L     | ALS |
| L1945221-4    | SDLT-OUT  | 19-Jun-17    | Total Dissolved Solids    | 47         | mg/L     | ALS |
| L1945221-4    | SDLT-OUT  | 19-Jun-17    | Turbidity                 | 5.73       | NTU      | ALS |

**Table B.2.1 - Surface Water Quality Monitoring for Sheardown Lake Tributaries**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1945333-2    | SDLT-OUT  | 20-Jun-17    | pH                     | 7.62   | pH units | ALS |
| L1945333-2    | SDLT-OUT  | 20-Jun-17    | Total Suspended Solids | 3.2    | mg/L     | ALS |
| L1945333-2    | SDLT-OUT  | 20-Jun-17    | Total Dissolved Solids | 62     | mg/L     | ALS |
| L1945333-2    | SDLT-OUT  | 20-Jun-17    | Turbidity              | 4.4    | NTU      | ALS |
| L1946663-2    | SDLT-OUT  | 21-Jun-17    | pH                     | 7.78   | pH units | ALS |
| L1946663-2    | SDLT-OUT  | 21-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1946663-2    | SDLT-OUT  | 21-Jun-17    | Total Dissolved Solids | 110    | mg/L     | ALS |
| L1946663-2    | SDLT-OUT  | 21-Jun-17    | Turbidity              | 3.47   | NTU      | ALS |
| L1946710-2    | SDLT-OUT  | 22-Jun-17    | pH                     | 7.74   | pH units | ALS |
| L1946710-2    | SDLT-OUT  | 22-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1946710-2    | SDLT-OUT  | 22-Jun-17    | Total Dissolved Solids | 140    | mg/L     | ALS |
| L1946710-2    | SDLT-OUT  | 22-Jun-17    | Turbidity              | 3.56   | NTU      | ALS |
| L1948489-2    | SDLT-OUT  | 24-Jun-17    | pH                     | 7.79   | pH units | ALS |
| L1948489-2    | SDLT-OUT  | 24-Jun-17    | Total Suspended Solids | 2.9    | mg/L     | ALS |
| L1948489-2    | SDLT-OUT  | 24-Jun-17    | Total Dissolved Solids | 67     | mg/L     | ALS |
| L1948489-2    | SDLT-OUT  | 24-Jun-17    | Turbidity              | 2.54   | NTU      | ALS |
| L1948725-2    | SDLT-OUT  | 25-Jun-17    | pH                     | 7.8    | pH units | ALS |
| L1948725-2    | SDLT-OUT  | 25-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1948725-2    | SDLT-OUT  | 25-Jun-17    | Total Dissolved Solids | 74     | mg/L     | ALS |
| L1948725-2    | SDLT-OUT  | 25-Jun-17    | Turbidity              | 2.94   | NTU      | ALS |
| L1949835-2    | SDLT-OUT  | 26-Jun-17    | pH                     | 7.77   | pH units | ALS |
| L1949835-2    | SDLT-OUT  | 26-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1949835-2    | SDLT-OUT  | 26-Jun-17    | Total Dissolved Solids | 70     | mg/L     | ALS |
| L1949835-2    | SDLT-OUT  | 26-Jun-17    | Turbidity              | 2.18   | NTU      | ALS |
| L1949858-2    | SDLT-OUT  | 27-Jun-17    | pH                     | 7.93   | pH units | ALS |
| L1949858-2    | SDLT-OUT  | 27-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1949858-2    | SDLT-OUT  | 27-Jun-17    | Total Dissolved Solids | 65     | mg/L     | ALS |
| L1949858-2    | SDLT-OUT  | 27-Jun-17    | Turbidity              | 2.28   | NTU      | ALS |
| L1951782-2    | SDLT-OUT  | 29-Jun-17    | pH                     | 7.96   | pH units | ALS |
| L1951782-2    | SDLT-OUT  | 29-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1951782-2    | SDLT-OUT  | 29-Jun-17    | Total Dissolved Solids | 100    | mg/L     | ALS |
| L1951782-2    | SDLT-OUT  | 29-Jun-17    | Turbidity              | 1.73   | NTU      | ALS |
| L1953936-2    | SDLT-OUT  | 30-Jun-17    | pH                     | 8.05   | pH units | ALS |
| L1953936-2    | SDLT-OUT  | 30-Jun-17    | Total Suspended Solids | 5.8    | mg/L     | ALS |
| L1953936-2    | SDLT-OUT  | 30-Jun-17    | Total Dissolved Solids | 94     | mg/L     | ALS |
| L1953936-2    | SDLT-OUT  | 30-Jun-17    | Turbidity              | 2.15   | NTU      | ALS |
| L1930053-3    | LDFG-OUT  | 23-May-17    | pH                     | 7.17   | pH units | ALS |
| L1930053-3    | LDFG-OUT  | 23-May-17    | Total Suspended Solids | 6      | mg/L     | ALS |
| L1930053-3    | LDFG-OUT  | 23-May-17    | Total Dissolved Solids | 45     | mg/L     | ALS |
| L1930053-3    | LDFG-OUT  | 23-May-17    | Turbidity              | 18.5   | NTU      | ALS |
| L1931069-1    | LDFG-OUT  | 24-May-17    | pH                     | 7.37   | pH units | ALS |
| L1931069-1    | LDFG-OUT  | 24-May-17    | Total Suspended Solids | 6.4    | mg/L     | ALS |
| L1931069-1    | LDFG-OUT  | 24-May-17    | Total Dissolved Solids | 35     | mg/L     | ALS |
| L1931069-1    | LDFG-OUT  | 24-May-17    | Turbidity              | 14.4   | NTU      | ALS |
| L1931870 -1   | LDFG-OUT  | 25-May-17    | pH                     | 7.39   | pH units | ALS |
| L1931870 -1   | LDFG-OUT  | 25-May-17    | Total Suspended Solids | 8      | mg/L     | ALS |
| L1931870 -1   | LDFG-OUT  | 25-May-17    | Total Dissolved Solids | 50     | mg/L     | ALS |
| L1931870 -1   | LDFG-OUT  | 25-May-17    | Turbidity              | 20.8   | NTU      | ALS |
| L1932463 -1   | LDFG-OUT  | 26-May-17    | pH                     | 7.28   | pH units | ALS |
| L1932463 -1   | LDFG-OUT  | 26-May-17    | Total Suspended Solids | 2.4    | mg/L     | ALS |
| L1932463 -1   | LDFG-OUT  | 26-May-17    | Total Dissolved Solids | 30     | mg/L     | ALS |
| L1932463 -1   | LDFG-OUT  | 26-May-17    | Turbidity              | 15.3   | NTU      | ALS |
| L1932521-1    | LDFG-OUT  | 27-May-17    | pH                     | 7.36   | pH units | ALS |
| L1932521-1    | LDFG-OUT  | 27-May-17    | Total Suspended Solids | 5.6    | mg/L     | ALS |
| L1932521-1    | LDFG-OUT  | 27-May-17    | Total Dissolved Solids | 33     | mg/L     | ALS |
| L1932521-1    | LDFG-OUT  | 27-May-17    | Turbidity              | 17.5   | NTU      | ALS |
| L1932828-1    | LDFG-OUT  | 28-May-17    | pH                     | 7.41   | pH units | ALS |
| L1932828-1    | LDFG-OUT  | 28-May-17    | Total Suspended Solids | 2      | mg/L     | ALS |

**Table B.2.1 - Surface Water Quality Monitoring for Sheardown Lake Tributaries**

| Sample Number | Sample ID | Date Sampled | Parameter Name               | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------------|--------|----------|-----|
| L1932828-1    | LDFG-OUT  | 28-May-17    | Total Dissolved Solids       | 71     | mg/L     | ALS |
| L1932828-1    | LDFG-OUT  | 28-May-17    | Turbidity                    | 14     | NTU      | ALS |
| L1933090-1    | LDFG-OUT  | 29-May-17    | pH                           | 7.44   | pH units | ALS |
| L1933090-1    | LDFG-OUT  | 29-May-17    | Total Suspended Solids       | 2.4    | mg/L     | ALS |
| L1933090-1    | LDFG-OUT  | 29-May-17    | Total Dissolved Solids       | 25     | mg/L     | ALS |
| L1933090-1    | LDFG-OUT  | 29-May-17    | Turbidity                    | 9.85   | NTU      | ALS |
| L1933822-1    | LDFG-OUT  | 30-May-17    | pH                           | 7.37   | pH units | ALS |
| L1933822-1    | LDFG-OUT  | 30-May-17    | Total Suspended Solids       | 6.8    | mg/L     | ALS |
| L1933822-1    | LDFG-OUT  | 30-May-17    | Total Dissolved Solids       | <20    | mg/L     | ALS |
| L1933822-1    | LDFG-OUT  | 30-May-17    | Turbidity                    | 26.4   | NTU      | ALS |
| L1935117-1    | LDFG-OUT  | 31-May-17    | pH                           | 7.45   | pH units | ALS |
| L1935117-1    | LDFG-OUT  | 31-May-17    | Total Suspended Solids       | <2.0   | mg/L     | ALS |
| L1935117-1    | LDFG-OUT  | 31-May-17    | Total Dissolved Solids       | 50     | mg/L     | ALS |
| L1935117-1    | LDFG-OUT  | 31-May-17    | Turbidity                    | 7.4    | NTU      | ALS |
| L1935148-1    | LDFG-OUT  | 1-Jun-17     | pH                           | 7.36   | pH units | ALS |
| L1935148-1    | LDFG-OUT  | 1-Jun-17     | Total Suspended Solids       | 2.4    | mg/L     | ALS |
| L1935148-1    | LDFG-OUT  | 1-Jun-17     | Total Dissolved Solids       | 50     | mg/L     | ALS |
| L1935148-1    | LDFG-OUT  | 1-Jun-17     | Turbidity                    | 12.4   | NTU      | ALS |
| L1935911-9    | LDFG-OUT  | 2-Jun-17     | pH                           | 7.47   | pH units | ALS |
| L1935911-9    | LDFG-OUT  | 2-Jun-17     | Total Suspended Solids       | 6      | mg/L     | ALS |
| L1935911-9    | LDFG-OUT  | 2-Jun-17     | Total Dissolved Solids       | 50     | mg/L     | ALS |
| L1935911-9    | LDFG-OUT  | 2-Jun-17     | Turbidity                    | 43.8   | NTU      | ALS |
| L1936153-8    | LDFG-OUT  | 3-Jun-17     | pH                           | 7.51   | pH units | ALS |
| L1936153-8    | LDFG-OUT  | 3-Jun-17     | Total Suspended Solids       | 6      | mg/L     | ALS |
| L1936153-8    | LDFG-OUT  | 3-Jun-17     | Total Dissolved Solids       | 40     | mg/L     | ALS |
| L1936153-8    | LDFG-OUT  | 3-Jun-17     | Turbidity                    | 19.2   | NTU      | ALS |
| L1937408-5    | LDFG-OUT  | 4-Jun-17     | pH                           | 7.59   | pH units | ALS |
| L1937408-5    | LDFG-OUT  | 4-Jun-17     | Total Suspended Solids       | 4.8    | mg/L     | ALS |
| L1937408-5    | LDFG-OUT  | 4-Jun-17     | Total Dissolved Solids       | 50     | mg/L     | ALS |
| L1937408-5    | LDFG-OUT  | 4-Jun-17     | Turbidity                    | 17.7   | NTU      | ALS |
| L1937423-5    | LDFG-OUT  | 5-Jun-17     | pH                           | 7.62   | pH units | ALS |
| L1937423-5    | LDFG-OUT  | 5-Jun-17     | Total Suspended Solids       | 2      | mg/L     | ALS |
| L1937423-5    | LDFG-OUT  | 5-Jun-17     | Total Dissolved Solids       | 45     | mg/L     | ALS |
| L1937423-5    | LDFG-OUT  | 5-Jun-17     | Turbidity                    | 15     | NTU      | ALS |
| L1937661-5    | LDFG-OUT  | 6-Jun-17     | pH                           | 7.63   | pH units | ALS |
| L1937661-5    | LDFG-OUT  | 6-Jun-17     | Total Suspended Solids       | 8      | mg/L     | ALS |
| L1937661-5    | LDFG-OUT  | 6-Jun-17     | Total Dissolved Solids       | 50     | mg/L     | ALS |
| L1937661-5    | LDFG-OUT  | 6-Jun-17     | Turbidity                    | 54.2   | NTU      | ALS |
| L1938556-5    | LDFG-OUT  | 7-Jun-17     | pH                           | 7.67   | pH units | ALS |
| L1938556-5    | LDFG-OUT  | 7-Jun-17     | Total Suspended Solids       | 4      | mg/L     | ALS |
| L1938556-5    | LDFG-OUT  | 7-Jun-17     | Total Dissolved Solids       | 50     | mg/L     | ALS |
| L1938556-5    | LDFG-OUT  | 7-Jun-17     | Turbidity                    | 10.2   | NTU      | ALS |
| L1939257-5    | LDFG-OUT  | 8-Jun-17     | pH                           | 7.69   | pH units | ALS |
| L1939257-5    | LDFG-OUT  | 8-Jun-17     | Total Suspended Solids       | 2      | mg/L     | ALS |
| L1939257-5    | LDFG-OUT  | 8-Jun-17     | Total Dissolved Solids       | 75     | mg/L     | ALS |
| L1939257-5    | LDFG-OUT  | 8-Jun-17     | Turbidity                    | 9.43   | NTU      | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Hardness (as CaCO3)          | 30     | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | pH                           | 7.68   | pH units | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Total Suspended Solids       | <2.0   | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Total Dissolved Solids       | 35     | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Turbidity                    | 11.2   | NTU      | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Alkalinity, Total (as CaCO3) | 44     | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Ammonia, Total (as N)        | 0.07   | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Chloride (Cl)                | 1.07   | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Fluoride (F)                 | <0.020 | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Nitrate (as N)               | 0.443  | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Total Kjeldahl Nitrogen      | 0.24   | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Phosphorus, Total            | 0.0066 | mg/L     | ALS |

**Table B.2.1 - Surface Water Quality Monitoring for Sheardown Lake Tributaries**

| Sample Number | Sample ID | Date Sampled | Parameter Name            | Result    | Units    | Lab |
|---------------|-----------|--------------|---------------------------|-----------|----------|-----|
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Sulfate (SO4)             | 3.94      | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Dissolved Organic Carbon  | 2.1       | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Total Organic Carbon      | 2.1       | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Aluminum (Al)-Total       | 0.077     | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Arsenic (As)-Total        | <0.00010  | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Cadmium (Cd)-Total        | <0.000010 | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Calcium (Ca)-Total        | 9.59      | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Copper (Cu)-Total         | 0.0011    | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Iron (Fe)-Total           | 0.192     | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Lead (Pb)-Total           | 0.00021   | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Magnesium (Mg)-Total      | 5.42      | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Manganese (Mn)-Total      | 0.00361   | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Mercury (Hg)-Total        | <0.000010 | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Molybdenum (Mo)-Total     | 0.000624  | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Nickel (Ni)-Total         | 0.00117   | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Potassium (K)-Total       | 1.01      | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Selenium (Se)-Total       | <0.000050 | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Sodium (Na)-Total         | 0.62      | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Thallium (Tl)-Total       | <0.000010 | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Uranium (U)-Total         | 0.000208  | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Zinc (Zn)-Total           | <0.0030   | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Aluminum (Al)-Dissolved   | 0.0107    | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Arsenic (As)-Dissolved    | <0.00010  | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Cadmium (Cd)-Dissolved    | <0.000010 | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Calcium (Ca)-Dissolved    | 6.05      | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Copper (Cu)-Dissolved     | 0.00101   | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Iron (Fe)-Dissolved       | 0.024     | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Lead (Pb)-Dissolved       | <0.000050 | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Magnesium (Mg)-Dissolved  | 3.54      | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Manganese (Mn)-Dissolved  | 0.00309   | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Mercury (Hg)-Dissolved    | <0.000010 | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Molybdenum (Mo)-Dissolved | 0.000311  | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Nickel (Ni)-Dissolved     | 0.00067   | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Potassium (K)-Dissolved   | 0.872     | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Selenium (Se)-Dissolved   | <0.000050 | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Sodium (Na)-Dissolved     | 0.91      | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Thallium (Tl)-Dissolved   | <0.000010 | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Uranium (U)-Dissolved     | 0.000167  | mg/L     | ALS |
| L1940018-5    | LDFG-OUT  | 9-Jun-17     | Zinc (Zn)-Dissolved       | 0.0017    | mg/L     | ALS |
| L1940020-1    | LDFG-OUT  | 10-Jun-17    | pH                        | 7.72      | pH units | ALS |
| L1940020-1    | LDFG-OUT  | 10-Jun-17    | Total Suspended Solids    | <2.0      | mg/L     | ALS |
| L1940020-1    | LDFG-OUT  | 10-Jun-17    | Total Dissolved Solids    | 40        | mg/L     | ALS |
| L1940020-1    | LDFG-OUT  | 10-Jun-17    | Turbidity                 | 14.2      | NTU      | ALS |
| L1940022-1    | LDFG-OUT  | 11-Jun-17    | pH                        | 7.75      | pH units | ALS |
| L1940022-1    | LDFG-OUT  | 11-Jun-17    | Total Suspended Solids    | 5.6       | mg/L     | ALS |
| L1940022-1    | LDFG-OUT  | 11-Jun-17    | Total Dissolved Solids    | 45        | mg/L     | ALS |
| L1940022-1    | LDFG-OUT  | 11-Jun-17    | Turbidity                 | 14.7      | NTU      | ALS |
| L1942070-1    | LDFG-OUT  | 12-Jun-17    | pH                        | 7.97      | pH units | ALS |
| L1942070-1    | LDFG-OUT  | 12-Jun-17    | Total Suspended Solids    | 7.2       | mg/L     | ALS |
| L1942070-1    | LDFG-OUT  | 12-Jun-17    | Total Dissolved Solids    | 37        | mg/L     | ALS |
| L1942070-1    | LDFG-OUT  | 12-Jun-17    | Turbidity                 | 28.8      | NTU      | ALS |
| L1940978-5    | LDFG-OUT  | 13-Jun-17    | pH                        | 7.77      | pH units | ALS |
| L1940978-5    | LDFG-OUT  | 13-Jun-17    | Total Suspended Solids    | <2.0      | mg/L     | ALS |
| L1940978-5    | LDFG-OUT  | 13-Jun-17    | Total Dissolved Solids    | <20       | mg/L     | ALS |
| L1940978-5    | LDFG-OUT  | 13-Jun-17    | Turbidity                 | 14.8      | NTU      | ALS |
| L1942538-1    | LDFG-OUT  | 14-Jun-17    | pH                        | 7.82      | pH units | ALS |
| L1942538-1    | LDFG-OUT  | 14-Jun-17    | Total Suspended Solids    | 5.2       | mg/L     | ALS |
| L1942538-1    | LDFG-OUT  | 14-Jun-17    | Total Dissolved Solids    | 40        | mg/L     | ALS |

**Table B.2.1 - Surface Water Quality Monitoring for Sheardown Lake Tributaries**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1942538-1    | LDFG-OUT  | 14-Jun-17    | Turbidity              | 9.54   | NTU      | ALS |
| L1943887-1    | LDFG-OUT  | 15-Jun-17    | pH                     | 7.82   | pH units | ALS |
| L1943887-1    | LDFG-OUT  | 15-Jun-17    | Total Suspended Solids | 11     | mg/L     | ALS |
| L1943887-1    | LDFG-OUT  | 15-Jun-17    | Total Dissolved Solids | 75     | mg/L     | ALS |
| L1943887-1    | LDFG-OUT  | 15-Jun-17    | Turbidity              | 34.8   | NTU      | ALS |
| L1943993-1    | LDFG-OUT  | 16-Jun-17    | pH                     | 7.79   | pH units | ALS |
| L1943993-1    | LDFG-OUT  | 16-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1943993-1    | LDFG-OUT  | 16-Jun-17    | Total Dissolved Solids | 115    | mg/L     | ALS |
| L1943993-1    | LDFG-OUT  | 16-Jun-17    | Turbidity              | 26.4   | NTU      | ALS |
| L1944007-1    | LDFG-OUT  | 17-Jun-17    | pH                     | 7.79   | pH units | ALS |
| L1944007-1    | LDFG-OUT  | 17-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1944007-1    | LDFG-OUT  | 17-Jun-17    | Total Dissolved Solids | 35     | mg/L     | ALS |
| L1944007-1    | LDFG-OUT  | 17-Jun-17    | Turbidity              | 29.1   | NTU      | ALS |
| L1944017-1    | LDFG-OUT  | 18-Jun-17    | pH                     | 7.79   | pH units | ALS |
| L1944017-1    | LDFG-OUT  | 18-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1944017-1    | LDFG-OUT  | 18-Jun-17    | Total Dissolved Solids | 65     | mg/L     | ALS |
| L1944017-1    | LDFG-OUT  | 18-Jun-17    | Turbidity              | 16     | NTU      | ALS |
| L1945221-3    | LDFG-OUT  | 19-Jun-17    | pH                     | 8.13   | pH units | ALS |
| L1945221-3    | LDFG-OUT  | 19-Jun-17    | Total Suspended Solids | 2.1    | mg/L     | ALS |
| L1945221-3    | LDFG-OUT  | 19-Jun-17    | Total Dissolved Solids | 81     | mg/L     | ALS |
| L1945221-3    | LDFG-OUT  | 19-Jun-17    | Turbidity              | 14     | NTU      | ALS |
| L1945333-1    | LDFG-OUT  | 20-Jun-17    | pH                     | 7.98   | pH units | ALS |
| L1945333-1    | LDFG-OUT  | 20-Jun-17    | Total Suspended Solids | 4.4    | mg/L     | ALS |
| L1945333-1    | LDFG-OUT  | 20-Jun-17    | Total Dissolved Solids | 76     | mg/L     | ALS |
| L1945333-1    | LDFG-OUT  | 20-Jun-17    | Turbidity              | 17.9   | NTU      | ALS |
| L1946663-1    | LDFG-OUT  | 21-Jun-17    | pH                     | 7.92   | pH units | ALS |
| L1946663-1    | LDFG-OUT  | 21-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1946663-1    | LDFG-OUT  | 21-Jun-17    | Total Dissolved Solids | 155    | mg/L     | ALS |
| L1946663-1    | LDFG-OUT  | 21-Jun-17    | Turbidity              | 18.9   | NTU      | ALS |
| L1946710-1    | LDFG-OUT  | 22-Jun-17    | pH                     | 7.94   | pH units | ALS |
| L1946710-1    | LDFG-OUT  | 22-Jun-17    | Total Suspended Solids | 2.4    | mg/L     | ALS |
| L1946710-1    | LDFG-OUT  | 22-Jun-17    | Total Dissolved Solids | 145    | mg/L     | ALS |
| L1946710-1    | LDFG-OUT  | 22-Jun-17    | Turbidity              | 28.5   | NTU      | ALS |
| L1948489-1    | LDFG-OUT  | 24-Jun-17    | pH                     | 7.77   | pH units | ALS |
| L1948489-1    | LDFG-OUT  | 24-Jun-17    | Total Suspended Solids | 3.3    | mg/L     | ALS |
| L1948489-1    | LDFG-OUT  | 24-Jun-17    | Total Dissolved Solids | 60     | mg/L     | ALS |
| L1948489-1    | LDFG-OUT  | 24-Jun-17    | Turbidity              | 67.9   | NTU      | ALS |
| L1948725-1    | LDFG-OUT  | 25-Jun-17    | pH                     | 7.9    | pH units | ALS |
| L1948725-1    | LDFG-OUT  | 25-Jun-17    | Total Suspended Solids | 3.4    | mg/L     | ALS |
| L1948725-1    | LDFG-OUT  | 25-Jun-17    | Total Dissolved Solids | 89     | mg/L     | ALS |
| L1948725-1    | LDFG-OUT  | 25-Jun-17    | Turbidity              | 6.6    | NTU      | ALS |
| L1949835-1    | LDFG-OUT  | 26-Jun-17    | pH                     | 7.89   | pH units | ALS |
| L1949835-1    | LDFG-OUT  | 26-Jun-17    | Total Suspended Solids | 4.8    | mg/L     | ALS |
| L1949835-1    | LDFG-OUT  | 26-Jun-17    | Total Dissolved Solids | 95     | mg/L     | ALS |
| L1949835-1    | LDFG-OUT  | 26-Jun-17    | Turbidity              | 19.2   | NTU      | ALS |
| L1949858-1    | LDFG-OUT  | 27-Jun-17    | pH                     | 7.88   | pH units | ALS |
| L1949858-1    | LDFG-OUT  | 27-Jun-17    | Total Suspended Solids | 5.6    | mg/L     | ALS |
| L1949858-1    | LDFG-OUT  | 27-Jun-17    | Total Dissolved Solids | 90     | mg/L     | ALS |
| L1949858-1    | LDFG-OUT  | 27-Jun-17    | Turbidity              | 42.3   | NTU      | ALS |
| L1951782-1    | LDFG-OUT  | 29-Jun-17    | pH                     | 7.88   | pH units | ALS |
| L1951782-1    | LDFG-OUT  | 29-Jun-17    | Total Suspended Solids | 5.6    | mg/L     | ALS |
| L1951782-1    | LDFG-OUT  | 29-Jun-17    | Total Dissolved Solids | 90     | mg/L     | ALS |
| L1951782-1    | LDFG-OUT  | 29-Jun-17    | Turbidity              | 42.3   | NTU      | ALS |
| L1953936-1    | LDFG-OUT  | 30-Jun-17    | pH                     | 8.17   | pH units | ALS |
| L1953936-1    | LDFG-OUT  | 30-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1953936-1    | LDFG-OUT  | 30-Jun-17    | Total Dissolved Solids | 106    | mg/L     | ALS |
| L1953936-1    | LDFG-OUT  | 30-Jun-17    | Turbidity              | 16.5   | NTU      | ALS |

**Note:**

**Table B.2.1 - Surface Water Quality Monitoring for Sheardown Lake Tributaries**

| Sample Number | Sample ID | Date Sampled | Parameter Name | Result | Units | Lab |
|---------------|-----------|--------------|----------------|--------|-------|-----|
|---------------|-----------|--------------|----------------|--------|-------|-----|

Highlighted TSS results indicate exceedances of the 30 mg/L limit for grab samples as outlined in Table 11: Effluent Quality Discharge Limits for Contact Water provided in Baffinland's Type A Water Licence (2AM-MRY1325, Amend. 1)

**Table B.2.3 - Water Quality for Milne Port East Sedimentation Pond (MP-05) Effluent**

| Sample Number | Sample ID | Date Sampled | Parameter Name               | Result    | Units    | Lab |
|---------------|-----------|--------------|------------------------------|-----------|----------|-----|
| L1931746-1    | MP-05     | 25-May-17    | Hardness (as CaCO3)          | 37        | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | pH                           | 8.22      | pH units | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Total Suspended Solids       | 4.4       | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Total Dissolved Solids       | 64        | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Turbidity                    | 3.88      | NTU      | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Alkalinity, Total (as CaCO3) | 23        | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Ammonia, Total (as N)        | <0.020    | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Chloride (Cl)                | 32.9      | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Fluoride (F)                 | 0.052     | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Nitrate (as N)               | 0.38      | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Total Kjeldahl Nitrogen      | <0.15     | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Phosphorus, Total            | 0.043 *   | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Sulfate (SO4)                | 7.23      | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Dissolved Organic Carbon     | <1.0      | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Total Organic Carbon         | 1.1       | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Aluminum (Al)-Total          | 0.184     | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Arsenic (As)-Total           | <0.00010  | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Cadmium (Cd)-Total           | <0.000010 | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Calcium (Ca)-Total           | 7.09      | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Copper (Cu)-Total            | <0.0010   | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Iron (Fe)-Total              | 0.59      | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Lead (Pb)-Total              | 0.00027   | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Magnesium (Mg)-Total         | 4.77      | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Manganese (Mn)-Total         | 0.0173    | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Mercury (Hg)-Total           | <0.000010 | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Molybdenum (Mo)-Total        | 0.000455  | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Nickel (Ni)-Total            | 0.00056   | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Potassium (K)-Total          | 1.09      | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Selenium (Se)-Total          | <0.000050 | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Sodium (Na)-Total            | 17.5      | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Thallium (Tl)-Total          | <0.000010 | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Uranium (U)-Total            | 0.00164   | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Zinc (Zn)-Total              | <0.0030   | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Aluminum (Al)-Dissolved      | 0.0325    | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Arsenic (As)-Dissolved       | <0.00010  | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Cadmium (Cd)-Dissolved       | <0.000010 | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Calcium (Ca)-Dissolved       | 7.06      | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Copper (Cu)-Dissolved        | 0.00038   | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Iron (Fe)-Dissolved          | <0.010    | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Lead (Pb)-Dissolved          | <0.000050 | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Magnesium (Mg)-Dissolved     | 4.7       | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Manganese (Mn)-Dissolved     | 0.00649   | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Mercury (Hg)-Dissolved       | <0.000010 | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Molybdenum (Mo)-Dissolved    | 0.000488  | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Nickel (Ni)-Dissolved        | <0.00050  | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Potassium (K)-Dissolved      | 1.14      | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Selenium (Se)-Dissolved      | <0.000050 | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Sodium (Na)-Dissolved        | 18.6      | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Thallium (Tl)-Dissolved      | <0.000010 | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Uranium (U)-Dissolved        | 0.0016    | mg/L     | ALS |
| L1931746-1    | MP-05     | 25-May-17    | Zinc (Zn)-Dissolved          | <0.0010   | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Hardness (as CaCO3)          | 125       | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | pH                           | 8         | pH units | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Total Suspended Solids       | 111       | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Total Dissolved Solids       | 335       | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Turbidity                    | 209       | NTU      | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Alkalinity, Total (as CaCO3) | 75        | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Ammonia, Total (as N)        | 0.431     | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Chloride (Cl)                | 95.5      | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Fluoride (F)                 | 0.045     | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Nitrate (as N)               | 0.97      | mg/L     | ALS |

**Table B.2.3 - Water Quality for Milne Port East Sedimentation Pond (MP-05) Effluent**

| Sample Number | Sample ID | Date Sampled | Parameter Name            | Result    | Units    | Lab |
|---------------|-----------|--------------|---------------------------|-----------|----------|-----|
| L1932516-2    | MP-05     | 26-May-17    | Total Kjeldahl Nitrogen   | 2.18      | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Phosphorus, Total         | 0.11      | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Sulfate (SO4)             | 30.2      | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Dissolved Organic Carbon  | 5.2       | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Total Organic Carbon      | 6.4       | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Aluminum (Al)-Total       | 5         | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Arsenic (As)-Total        | 0.00076   | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Cadmium (Cd)-Total        | 0.000089  | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Calcium (Ca)-Total        | 33        | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Copper (Cu)-Total         | 0.009     | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Iron (Fe)-Total           | 5.98      | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Lead (Pb)-Total           | 0.00812   | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Magnesium (Mg)-Total      | 16        | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Manganese (Mn)-Total      | 0.241     | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Mercury (Hg)-Total        | <0.000010 | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Molybdenum (Mo)-Total     | 0.00566   | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Nickel (Ni)-Total         | 0.0062    | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Potassium (K)-Total       | 8.57      | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Selenium (Se)-Total       | 0.000111  | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Sodium (Na)-Total         | 35.2      | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Thallium (Tl)-Total       | 0.000109  | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Uranium (U)-Total         | 0.0175    | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Zinc (Zn)-Total           | 0.0224    | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Aluminum (Al)-Dissolved   | 0.0146    | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Arsenic (As)-Dissolved    | 0.0001    | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Cadmium (Cd)-Dissolved    | 0.000015  | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Calcium (Ca)-Dissolved    | 29.1      | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Copper (Cu)-Dissolved     | 0.00134   | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Iron (Fe)-Dissolved       | <0.010    | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Lead (Pb)-Dissolved       | <0.000050 | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Magnesium (Mg)-Dissolved  | 12.6      | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Manganese (Mn)-Dissolved  | 0.125     | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Mercury (Hg)-Dissolved    | <0.000010 | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Molybdenum (Mo)-Dissolved | 0.00707   | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Nickel (Ni)-Dissolved     | 0.0008    | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Potassium (K)-Dissolved   | 7.11      | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Selenium (Se)-Dissolved   | 0.000116  | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Sodium (Na)-Dissolved     | 38.5      | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Thallium (Tl)-Dissolved   | 0.000014  | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Uranium (U)-Dissolved     | 0.0153    | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Zinc (Zn)-Dissolved       | <0.0010   | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Oil and Grease, Total     | <2.0      | mg/L     | ALS |
| L1932516-2    | MP-05     | 26-May-17    | Phenols (4AAP)            | 0.0027    | mg/L     | ALS |
| L1932516-3    | MP-05-1   | 26-May-17    | pH                        | 8.01      | pH units | ALS |
| L1932516-3    | MP-05-1   | 26-May-17    | Total Suspended Solids    | 149       | mg/L     | ALS |
| L1932516-3    | MP-05-1   | 26-May-17    | Total Dissolved Solids    | 335       | mg/L     | ALS |
| L1932516-3    | MP-05-1   | 26-May-17    | Turbidity                 | 243       | NTU      | ALS |
| L1932516-4    | MP-05-2   | 26-May-17    | pH                        | 7.94      | pH units | ALS |
| L1932516-4    | MP-05-2   | 26-May-17    | Total Suspended Solids    | 95.5      | mg/L     | ALS |
| L1932516-4    | MP-05-2   | 26-May-17    | Total Dissolved Solids    | 310       | mg/L     | ALS |
| L1932516-4    | MP-05-2   | 26-May-17    | Turbidity                 | 159       | NTU      | ALS |
| L1932516-5    | MP-05-3   | 26-May-17    | pH                        | 7.99      | pH units | ALS |
| L1932516-5    | MP-05-3   | 26-May-17    | Total Suspended Solids    | 39.2      | mg/L     | ALS |
| L1932516-5    | MP-05-3   | 26-May-17    | Total Dissolved Solids    | 305       | mg/L     | ALS |
| L1932516-5    | MP-05-3   | 26-May-17    | Turbidity                 | 81.4      | NTU      | ALS |
| L1932516-6    | MP-05     | 26-May-17    | Ra-226                    | 0.018     | Bq/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Hardness (as CaCO3)       | 42        | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | pH                        | 7.69      | pH units | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Total Suspended Solids    | 28.5      | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Total Dissolved Solids    | 85        | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Turbidity                 | 66.3      | NTU      | ALS |

**Table B.2.3 - Water Quality for Milne Port East Sedimentation Pond (MP-05) Effluent**

| Sample Number | Sample ID | Date Sampled | Parameter Name               | Result    | Units    | Lab |
|---------------|-----------|--------------|------------------------------|-----------|----------|-----|
| L1933218-2    | MP-05     | 27-May-17    | Alkalinity, Total (as CaCO3) | 21        | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Ammonia, Total (as N)        | 0.119     | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Chloride (Cl)                | 33.1      | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Fluoride (F)                 | 0.046     | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Nitrate (as N)               | 0.354     | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Total Kjeldahl Nitrogen      | 0.56      | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Phosphorus, Total            | 0.051     | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Sulfate (SO4)                | 9.24      | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Dissolved Organic Carbon     | 1.5       | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Total Organic Carbon         | 1.2       | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Aluminum (Al)-Total          | 1.06      | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Arsenic (As)-Total           | 0.00017   | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Cadmium (Cd)-Total           | <0.000010 | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Calcium (Ca)-Total           | 10.6      | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Copper (Cu)-Total            | 0.0024    | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Iron (Fe)-Total              | 1.43      | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Lead (Pb)-Total              | 0.00098   | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Magnesium (Mg)-Total         | 5.66      | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Manganese (Mn)-Total         | 0.0662    | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Mercury (Hg)-Total           | <0.000010 | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Molybdenum (Mo)-Total        | 0.00123   | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Nickel (Ni)-Total            | 0.00174   | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Potassium (K)-Total          | 2.59      | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Selenium (Se)-Total          | 0.000052  | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Sodium (Na)-Total            | 16.2      | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Thallium (Tl)-Total          | 0.000023  | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Uranium (U)-Total            | 0.00252   | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Zinc (Zn)-Total              | 0.0055    | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Aluminum (Al)-Dissolved      | 0.0338    | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Arsenic (As)-Dissolved       | <0.00010  | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Cadmium (Cd)-Dissolved       | <0.000010 | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Calcium (Ca)-Dissolved       | 8.83      | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Copper (Cu)-Dissolved        | 0.00025   | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Iron (Fe)-Dissolved          | <0.010    | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Lead (Pb)-Dissolved          | <0.000050 | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Magnesium (Mg)-Dissolved     | 4.8       | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Manganese (Mn)-Dissolved     | 0.0375    | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Mercury (Hg)-Dissolved       | <0.000010 | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Molybdenum (Mo)-Dissolved    | 0.00114   | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Nickel (Ni)-Dissolved        | <0.00050  | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Potassium (K)-Dissolved      | 2.16      | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Selenium (Se)-Dissolved      | 0.000053  | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Sodium (Na)-Dissolved        | 17.3      | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Thallium (Tl)-Dissolved      | <0.000010 | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Uranium (U)-Dissolved        | 0.00135   | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Zinc (Zn)-Dissolved          | <0.0010   | mg/L     | ALS |
| L1933218-2    | MP-05     | 27-May-17    | Oil and Grease, Total        | <2.0      | mg/L     | ALS |
| L1933136-4    | MP-05-1   | 27-May-17    | pH                           | 8.06      | pH units | ALS |
| L1933136-4    | MP-05-1   | 27-May-17    | Total Suspended Solids       | 8.4       | mg/L     | ALS |
| L1933136-4    | MP-05-1   | 27-May-17    | Total Dissolved Solids       | 175       | mg/L     | ALS |
| L1933136-4    | MP-05-1   | 27-May-17    | Turbidity                    | 23.7      | NTU      | ALS |
| L1933136-3    | MP-05-2   | 27-May-17    | pH                           | 7.99      | pH units | ALS |
| L1933136-3    | MP-05-2   | 27-May-17    | Total Suspended Solids       | 10        | mg/L     | ALS |
| L1933136-3    | MP-05-2   | 27-May-17    | Total Dissolved Solids       | 225       | mg/L     | ALS |
| L1933136-3    | MP-05-2   | 27-May-17    | Turbidity                    | 27.4      | NTU      | ALS |
| L1933136-1    | MP-05-3   | 27-May-17    | pH                           | 7.73      | pH units | ALS |
| L1933136-1    | MP-05-3   | 27-May-17    | Total Suspended Solids       | 6.4       | mg/L     | ALS |
| L1933136-1    | MP-05-3   | 27-May-17    | Total Dissolved Solids       | 255       | mg/L     | ALS |
| L1933136-1    | MP-05-3   | 27-May-17    | Turbidity                    | 17.4      | NTU      | ALS |
| L1933136-2    | MP-05-4   | 27-May-17    | pH                           | 7.9       | pH units | ALS |
| L1933136-2    | MP-05-4   | 27-May-17    | Total Suspended Solids       | 25.2      | mg/L     | ALS |

**Table B.2.3 - Water Quality for Milne Port East Sedimentation Pond (MP-05) Effluent**

| Sample Number | Sample ID | Date Sampled | Parameter Name               | Result    | Units    | Lab |
|---------------|-----------|--------------|------------------------------|-----------|----------|-----|
| L1933136-2    | MP-05-4   | 27-May-17    | Total Dissolved Solids       | 233       | mg/L     | ALS |
| L1933136-2    | MP-05-4   | 27-May-17    | Turbidity                    | 54.8      | NTU      | ALS |
| L1933136-7    | MP-05-1   | 28-May-17    | pH                           | 7.91      | pH units | ALS |
| L1933136-7    | MP-05-1   | 28-May-17    | Total Suspended Solids       | 12.9      | mg/L     | ALS |
| L1933136-7    | MP-05-1   | 28-May-17    | Total Dissolved Solids       | 271       | mg/L     | ALS |
| L1933136-7    | MP-05-1   | 28-May-17    | Turbidity                    | 38        | NTU      | ALS |
| L1933136-8    | MP-05-2   | 28-May-17    | pH                           | 7.94      | pH units | ALS |
| L1933136-8    | MP-05-2   | 28-May-17    | Total Suspended Solids       | 77.6      | mg/L     | ALS |
| L1933136-8    | MP-05-2   | 28-May-17    | Total Dissolved Solids       | 300       | mg/L     | ALS |
| L1933136-8    | MP-05-2   | 28-May-17    | Turbidity                    | 59.9      | NTU      | ALS |
| L1933136-5    | MP-05-3   | 28-May-17    | pH                           | 7.91      | pH units | ALS |
| L1933136-5    | MP-05-3   | 28-May-17    | Total Suspended Solids       | 19.6      | mg/L     | ALS |
| L1933136-5    | MP-05-3   | 28-May-17    | Total Dissolved Solids       | 310       | mg/L     | ALS |
| L1933136-5    | MP-05-3   | 28-May-17    | Turbidity                    | 43.5      | NTU      | ALS |
| L1933136-6    | MP-05-4   | 28-May-17    | pH                           | 7.96      | pH units | ALS |
| L1933136-6    | MP-05-4   | 28-May-17    | Total Suspended Solids       | 47.6      | mg/L     | ALS |
| L1933136-6    | MP-05-4   | 28-May-17    | Total Dissolved Solids       | 365       | mg/L     | ALS |
| L1933136-6    | MP-05-4   | 28-May-17    | Turbidity                    | 66.8      | NTU      | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | pH                           | 7.88      | pH units | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Total Suspended Solids       | 33.6      | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Total Dissolved Solids       | 470       | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Turbidity                    | 75        | NTU      | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Alkalinity, Total (as CaCO3) | 81        | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Ammonia, Total (as N)        | 0.483     | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Bromide (Br)                 | 0.32      | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Chloride (Cl)                | 136       | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Fluoride (F)                 | 0.069     | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Nitrate (as N)               | 1.53      | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Nitrite (as N)               | 0.034     | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Total Kjeldahl Nitrogen      | 1.69      | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Phosphorus, Total            | 0.0436    | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Sulfate (SO4)                | 22        | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Dissolved Organic Carbon     | 5.7       | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Total Organic Carbon         | 5.8       | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Aluminum (Al)-Total          | 1.71      | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Antimony (Sb)-Total          | 0.00013   | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Arsenic (As)-Total           | 0.00037   | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Barium (Ba)-Total            | 0.0231    | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Beryllium (Be)-Total         | 0.0001    | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Bismuth (Bi)-Total           | 0.000062  | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Boron (B)-Total              | 0.084     | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Cadmium (Cd)-Total           | 0.000027  | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Calcium (Ca)-Total           | 34.1      | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Cesium (Cs)-Total            | 0.000245  | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Chromium (Cr)-Total          | 0.00241   | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Cobalt (Co)-Total            | 0.00121   | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Copper (Cu)-Total            | 0.0039    | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Iron (Fe)-Total              | 1.87      | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Lead (Pb)-Total              | 0.00212   | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Lithium (Li)-Total           | 0.014     | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Magnesium (Mg)-Total         | 17.6      | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Manganese (Mn)-Total         | 0.139     | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Mercury (Hg)-Total           | <0.000010 | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Molybdenum (Mo)-Total        | 0.00462   | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Nickel (Ni)-Total            | 0.00258   | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Phosphorus (P)-Total         | <0.050    | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Potassium (K)-Total          | 7.16      | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Rubidium (Rb)-Total          | 0.00775   | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Selenium (Se)-Total          | 0.000082  | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Silicon (Si)-Total           | 4         | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Silver (Ag)-Total            | <0.000050 | mg/L     | ALS |

**Table B.2.3 - Water Quality for Milne Port East Sedimentation Pond (MP-05) Effluent**

| Sample Number | Sample ID | Date Sampled | Parameter Name            | Result    | Units    | Lab |
|---------------|-----------|--------------|---------------------------|-----------|----------|-----|
| L1933059-4    | MP-05-1   | 29-May-17    | Sodium (Na)-Total         | 61        | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Strontium (Sr)-Total      | 0.101     | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Sulfur (S)-Total          | 7.95      | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Tellurium (Te)-Total      | <0.00020  | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Thallium (Tl)-Total       | 0.000041  | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Thorium (Th)-Total        | 0.00083   | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Tin (Sn)-Total            | 0.0001    | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Titanium (Ti)-Total       | 0.0625    | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Tungsten (W)-Total        | 0.0001    | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Uranium (U)-Total         | 0.0204    | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Vanadium (V)-Total        | 0.00243   | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Zinc (Zn)-Total           | 0.0074    | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Zirconium (Zr)-Total      | 0.00119   | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Aluminum (Al)-Dissolved   | 0.0118    | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Antimony (Sb)-Dissolved   | 0.00013   | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Arsenic (As)-Dissolved    | 0.00013   | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Barium (Ba)-Dissolved     | 0.0141    | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Beryllium (Be)-Dissolved  | <0.00010  | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Bismuth (Bi)-Dissolved    | <0.000050 | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Boron (B)-Dissolved       | 0.073     | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Cadmium (Cd)-Dissolved    | 0.000013  | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Calcium (Ca)-Dissolved    | 30.5      | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Cesium (Cs)-Dissolved     | <0.000010 | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Chromium (Cr)-Dissolved   | <0.00050  | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Cobalt (Co)-Dissolved     | 0.00035   | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Copper (Cu)-Dissolved     | 0.0015    | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Iron (Fe)-Dissolved       | <0.010    | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Lead (Pb)-Dissolved       | <0.000050 | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Lithium (Li)-Dissolved    | 0.0082    | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Magnesium (Mg)-Dissolved  | 16.3      | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Manganese (Mn)-Dissolved  | 0.102     | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Mercury (Hg)-Dissolved    | <0.000010 | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Molybdenum (Mo)-Dissolved | 0.00476   | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Nickel (Ni)-Dissolved     | 0.00071   | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Phosphorus (P)-Dissolved  | <0.050    | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Potassium (K)-Dissolved   | 6.68      | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Rubidium (Rb)-Dissolved   | 0.00343   | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Selenium (Se)-Dissolved   | 0.000087  | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Silicon (Si)-Dissolved    | 0.738     | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Silver (Ag)-Dissolved     | <0.000050 | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Sodium (Na)-Dissolved     | 62.3      | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Strontium (Sr)-Dissolved  | 0.0944    | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Sulfur (S)-Dissolved      | 7.86      | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Tellurium (Te)-Dissolved  | <0.00020  | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Thallium (Tl)-Dissolved   | 0.000013  | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Thorium (Th)-Dissolved    | <0.00010  | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Tin (Sn)-Dissolved        | <0.00010  | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Titanium (Ti)-Dissolved   | <0.00030  | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Tungsten (W)-Dissolved    | <0.00010  | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Uranium (U)-Dissolved     | 0.0207    | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Vanadium (V)-Dissolved    | <0.00050  | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Zinc (Zn)-Dissolved       | <0.0010   | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Zirconium (Zr)-Dissolved  | <0.00030  | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | COD                       | 21        | mg/L     | ALS |
| L1933059-4    | MP-05-1   | 29-May-17    | Phenols (4AAP)            | 0.0015    | mg/L     | ALS |
| L1933059-1    | MP-05-2   | 29-May-17    | pH                        | 7.93      | pH units | ALS |
| L1933059-1    | MP-05-2   | 29-May-17    | Total Suspended Solids    | 30.3      | mg/L     | ALS |
| L1933059-1    | MP-05-2   | 29-May-17    | Total Dissolved Solids    | 417       | mg/L     | ALS |
| L1933059-1    | MP-05-2   | 29-May-17    | Turbidity                 | 74.4      | NTU      | ALS |
| L1933059-2    | MP-05-3   | 29-May-17    | pH                        | 8.08      | pH units | ALS |
| L1933059-2    | MP-05-3   | 29-May-17    | Total Suspended Solids    | 36.4      | mg/L     | ALS |

**Table B.2.3 - Water Quality for Milne Port East Sedimentation Pond (MP-05) Effluent**

| Sample Number | Sample ID | Date Sampled | Parameter Name               | Result    | Units    | Lab |
|---------------|-----------|--------------|------------------------------|-----------|----------|-----|
| L1933059-2    | MP-05-3   | 29-May-17    | Total Dissolved Solids       | 360       | mg/L     | ALS |
| L1933059-2    | MP-05-3   | 29-May-17    | Turbidity                    | 91.6      | NTU      | ALS |
| L1933059-3    | MP-05-4   | 29-May-17    | pH                           | 8.03      | pH units | ALS |
| L1933059-3    | MP-05-4   | 29-May-17    | Total Suspended Solids       | 40.8      | mg/L     | ALS |
| L1933059-3    | MP-05-4   | 29-May-17    | Total Dissolved Solids       | 341       | mg/L     | ALS |
| L1933059-3    | MP-05-4   | 29-May-17    | Turbidity                    | 83.2      | NTU      | ALS |
| L1934329-1    | MP-05-1   | 30-May-17    | pH                           | 7.96      | pH units | ALS |
| L1934329-1    | MP-05-1   | 30-May-17    | Total Suspended Solids       | 22.5      | mg/L     | ALS |
| L1934329-1    | MP-05-1   | 30-May-17    | Total Dissolved Solids       | 350       | mg/L     | ALS |
| L1934329-1    | MP-05-1   | 30-May-17    | Turbidity                    | 68.9      | NTU      | ALS |
| L1934329-2    | MP-05-2   | 30-May-17    | pH                           | 7.99      | pH units | ALS |
| L1934329-2    | MP-05-2   | 30-May-17    | Total Suspended Solids       | 22.5      | mg/L     | ALS |
| L1934329-2    | MP-05-2   | 30-May-17    | Total Dissolved Solids       | 315       | mg/L     | ALS |
| L1934329-2    | MP-05-2   | 30-May-17    | Turbidity                    | 68        | NTU      | ALS |
| L1934329-3    | MP-05-3   | 30-May-17    | pH                           | 8         | pH units | ALS |
| L1934329-3    | MP-05-3   | 30-May-17    | Total Suspended Solids       | 26.5      | mg/L     | ALS |
| L1934329-3    | MP-05-3   | 30-May-17    | Total Dissolved Solids       | 330       | mg/L     | ALS |
| L1934329-3    | MP-05-3   | 30-May-17    | Turbidity                    | 71.5      | NTU      | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Hardness (as CaCO3)          | 182       | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | pH                           | 8.04      | pH units | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Total Suspended Solids       | 15.7      | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Total Dissolved Solids       | 324       | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Turbidity                    | 69.4      | NTU      | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Alkalinity, Total (as CaCO3) | 72        | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Ammonia, Total (as N)        | 0.511     | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Chloride (Cl)                | 90        | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Fluoride (F)                 | 0.041     | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Nitrate (as N)               | 1.82      | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Total Kjeldahl Nitrogen      | 1.19      | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Phosphorus, Total            | 0.0421    | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Sulfate (SO4)                | 71.2      | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Dissolved Organic Carbon     | 3.3       | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Total Organic Carbon         | 4.1       | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Aluminum (Al)-Total          | 0.856     | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Arsenic (As)-Total           | 0.0003    | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Cadmium (Cd)-Total           | 0.000032  | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Calcium (Ca)-Total           | 35.4      | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Copper (Cu)-Total            | 0.0022    | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Iron (Fe)-Total              | 1.15      | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Lead (Pb)-Total              | 0.00126   | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Magnesium (Mg)-Total         | 21.7      | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Manganese (Mn)-Total         | 0.46      | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Mercury (Hg)-Total           | <0.000010 | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Molybdenum (Mo)-Total        | 0.00211   | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Nickel (Ni)-Total            | 0.00233   | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Potassium (K)-Total          | 4.4       | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Selenium (Se)-Total          | 0.00028   | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Sodium (Na)-Total            | 36.3      | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Thallium (Tl)-Total          | 0.000025  | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Uranium (U)-Total            | 0.0194    | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Zinc (Zn)-Total              | 0.0086    | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Aluminum (Al)-Dissolved      | 0.0109    | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Arsenic (As)-Dissolved       | 0.00015   | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Cadmium (Cd)-Dissolved       | 0.000011  | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Calcium (Ca)-Dissolved       | 35.8      | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Copper (Cu)-Dissolved        | 0.00094   | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Iron (Fe)-Dissolved          | 0.011     | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Lead (Pb)-Dissolved          | <0.000050 | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Magnesium (Mg)-Dissolved     | 22.5      | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Manganese (Mn)-Dissolved     | 0.445     | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Mercury (Hg)-Dissolved       | <0.000010 | mg/L     | ALS |

**Table B.2.3 - Water Quality for Milne Port East Sedimentation Pond (MP-05) Effluent**

| Sample Number | Sample ID | Date Sampled | Parameter Name               | Result    | Units    | Lab |
|---------------|-----------|--------------|------------------------------|-----------|----------|-----|
| L1938471-1    | MP-05     | 6-Jun-17     | Molybdenum (Mo)-Dissolved    | 0.00225   | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Nickel (Ni)-Dissolved        | 0.00121   | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Potassium (K)-Dissolved      | 4.39      | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Selenium (Se)-Dissolved      | 0.000278  | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Sodium (Na)-Dissolved        | 38        | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Thallium (Tl)-Dissolved      | 0.000013  | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Uranium (U)-Dissolved        | 0.0189    | mg/L     | ALS |
| L1938471-1    | MP-05     | 6-Jun-17     | Zinc (Zn)-Dissolved          | 0.0038    | mg/L     | ALS |
| L1939258-2    | MP-05     | 8-Jun-17     | pH                           | 7.84      | pH units | ALS |
| L1939258-2    | MP-05     | 8-Jun-17     | Total Suspended Solids       | 12.4      | mg/L     | ALS |
| L1939258-2    | MP-05     | 8-Jun-17     | Total Dissolved Solids       | 345       | mg/L     | ALS |
| L1939258-2    | MP-05     | 8-Jun-17     | Turbidity                    | 43.8      | NTU      | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Hardness (as CaCO3)          | 202       | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | pH                           | 7.85      | pH units | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Total Suspended Solids       | 14.4      | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Total Dissolved Solids       | 405       | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Turbidity                    | 28.5      | NTU      | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Alkalinity, Total (as CaCO3) | 86        | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Ammonia, Total (as N)        | 0.315     | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Chloride (Cl)                | 133       | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Fluoride (F)                 | 0.071     | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Nitrate (as N)               | 3.59      | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Total Kjeldahl Nitrogen      | 1.19      | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Phosphorus, Total            | 0.019     | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Sulfate (SO4)                | 75.5      | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Dissolved Organic Carbon     | 3.5       | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Total Organic Carbon         | 3.7       | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Aluminum (Al)-Total          | 0.52      | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Arsenic (As)-Total           | 0.00025   | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Cadmium (Cd)-Total           | 0.000011  | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Calcium (Ca)-Total           | 32.4      | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Copper (Cu)-Total            | 0.0018    | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Iron (Fe)-Total              | 0.554     | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Lead (Pb)-Total              | 0.00058   | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Magnesium (Mg)-Total         | 30.3      | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Manganese (Mn)-Total         | 0.347     | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Mercury (Hg)-Total           | <0.000010 | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Molybdenum (Mo)-Total        | 0.00297   | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Nickel (Ni)-Total            | 0.00182   | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Potassium (K)-Total          | 6.83      | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Selenium (Se)-Total          | 0.000286  | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Sodium (Na)-Total            | 66.3      | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Thallium (Tl)-Total          | 0.00002   | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Uranium (U)-Total            | 0.0183    | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Zinc (Zn)-Total              | 0.004     | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Aluminum (Al)-Dissolved      | 0.0087    | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Arsenic (As)-Dissolved       | 0.00018   | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Cadmium (Cd)-Dissolved       | 0.000011  | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Calcium (Ca)-Dissolved       | 30.9      | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Copper (Cu)-Dissolved        | 0.00117   | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Iron (Fe)-Dissolved          | <0.010    | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Lead (Pb)-Dissolved          | <0.000050 | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Magnesium (Mg)-Dissolved     | 30.3      | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Manganese (Mn)-Dissolved     | 0.313     | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Mercury (Hg)-Dissolved       | <0.000010 | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Molybdenum (Mo)-Dissolved    | 0.00293   | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Nickel (Ni)-Dissolved        | 0.00114   | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Potassium (K)-Dissolved      | 5.96      | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Selenium (Se)-Dissolved      | 0.000303  | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Sodium (Na)-Dissolved        | 66.4      | mg/L     | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Thallium (Tl)-Dissolved      | 0.000012  | mg/L     | ALS |

**Table B.2.3 - Water Quality for Milne Port East Sedimentation Pond (MP-05) Effluent**

| Sample Number | Sample ID | Date Sampled | Parameter Name        | Result | Units    | Lab |
|---------------|-----------|--------------|-----------------------|--------|----------|-----|
| L1941948-1    | MP-05     | 14-Jun-17    | Uranium (U)-Dissolved | 0.0169 | pH units | ALS |
| L1941948-1    | MP-05     | 14-Jun-17    | Zinc (Zn)-Dissolved   | 0.0017 | mg/L     | ALS |

**Note:**

Highlighted results indicate exceedances of water quality criteria as outlined in Table 10: Effluent Quality Discharge Limits for Open Pit, Stockpiles and Sedimentation Ponds provided in Baffinland's Type A Water Licence (2AM-MRY1325, Amend. 1)

**Table B.2.2 - Surface Water Quality Monitoring for Camp Lake Surface Water Drainage**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1928687-5    | CLSP-OUT  | 17-May-17    | pH                     | 7.67   | pH units | ALS |
| L1928687-5    | CLSP-OUT  | 17-May-17    | Total Suspended Solids | 148    | mg/L     | ALS |
| L1928687-5    | CLSP-OUT  | 17-May-17    | Total Dissolved Solids | 105    | mg/L     | ALS |
| L1928687-5    | CLSP-OUT  | 17-May-17    | Turbidity              | 160    | NTU      | ALS |
| L1931069-11   | CLSP-OUT  | 24-May-17    | pH                     | 7.8    | pH units | ALS |
| L1931069-11   | CLSP-OUT  | 24-May-17    | Total Suspended Solids | 773    | mg/L     | ALS |
| L1931069-11   | CLSP-OUT  | 24-May-17    | Total Dissolved Solids | 55     | mg/L     | ALS |
| L1931069-11   | CLSP-OUT  | 24-May-17    | Turbidity              | 737    | NTU      | ALS |
| L1931870 -11  | CLSP-OUT  | 25-May-17    | pH                     | 7.79   | pH units | ALS |
| L1931870 -11  | CLSP-OUT  | 25-May-17    | Total Suspended Solids | 787    | mg/L     | ALS |
| L1931870 -11  | CLSP-OUT  | 25-May-17    | Total Dissolved Solids | 119    | mg/L     | ALS |
| L1931870 -11  | CLSP-OUT  | 25-May-17    | Turbidity              | 1030   | NTU      | ALS |
| L1932463 -11  | CLSP-OUT  | 26-May-17    | pH                     | 7.86   | pH units | ALS |
| L1932463 -11  | CLSP-OUT  | 26-May-17    | Total Suspended Solids | 78     | mg/L     | ALS |
| L1932463 -11  | CLSP-OUT  | 26-May-17    | Total Dissolved Solids | 90     | mg/L     | ALS |
| L1932463 -11  | CLSP-OUT  | 26-May-17    | Turbidity              | 90.6   | NTU      | ALS |
| L1932521-11   | CLSP-OUT  | 27-May-17    | pH                     | 7.86   | pH units | ALS |
| L1932521-11   | CLSP-OUT  | 27-May-17    | Total Suspended Solids | 11.6   | mg/L     | ALS |
| L1932521-11   | CLSP-OUT  | 27-May-17    | Total Dissolved Solids | 105    | mg/L     | ALS |
| L1932521-11   | CLSP-OUT  | 27-May-17    | Turbidity              | 24.2   | NTU      | ALS |
| L1932828-11   | CLSP-OUT  | 28-May-17    | pH                     | 7.8    | pH units | ALS |
| L1932828-11   | CLSP-OUT  | 28-May-17    | Total Suspended Solids | 19.2   | mg/L     | ALS |
| L1932828-11   | CLSP-OUT  | 28-May-17    | Total Dissolved Solids | 157    | mg/L     | ALS |
| L1932828-11   | CLSP-OUT  | 28-May-17    | Turbidity              | 36.1   | NTU      | ALS |
| L1933090-11   | CLSP-OUT  | 29-May-17    | pH                     | 7.84   | pH units | ALS |
| L1933090-11   | CLSP-OUT  | 29-May-17    | Total Suspended Solids | 69.6   | mg/L     | ALS |
| L1933090-11   | CLSP-OUT  | 29-May-17    | Total Dissolved Solids | 50     | mg/L     | ALS |
| L1933090-11   | CLSP-OUT  | 29-May-17    | Turbidity              | 108    | NTU      | ALS |
| L1933822-11   | CLSP-OUT  | 30-May-17    | pH                     | 7.8    | pH units | ALS |
| L1933822-11   | CLSP-OUT  | 30-May-17    | Total Suspended Solids | 169    | mg/L     | ALS |
| L1933822-11   | CLSP-OUT  | 30-May-17    | Total Dissolved Solids | 185    | mg/L     | ALS |
| L1933822-11   | CLSP-OUT  | 30-May-17    | Turbidity              | 253    | NTU      | ALS |
| L1935117-11   | CLSP-OUT  | 31-May-17    | pH                     | 7.87   | pH units | ALS |
| L1935117-11   | CLSP-OUT  | 31-May-17    | Total Suspended Solids | 30.8   | mg/L     | ALS |
| L1935117-11   | CLSP-OUT  | 31-May-17    | Total Dissolved Solids | 165    | mg/L     | ALS |
| L1935117-11   | CLSP-OUT  | 31-May-17    | Turbidity              | 49.9   | NTU      | ALS |
| L1935148-11   | CLSP-OUT  | 1-Jun-17     | pH                     | 7.55   | pH units | ALS |
| L1935148-11   | CLSP-OUT  | 1-Jun-17     | Total Suspended Solids | 49.6   | mg/L     | ALS |
| L1935148-11   | CLSP-OUT  | 1-Jun-17     | Total Dissolved Solids | 125    | mg/L     | ALS |
| L1935148-11   | CLSP-OUT  | 1-Jun-17     | Turbidity              | 31.6   | NTU      | ALS |
| L1935911-1    | CLSP-OUT  | 2-Jun-17     | pH                     | 7.58   | pH units | ALS |
| L1935911-1    | CLSP-OUT  | 2-Jun-17     | Total Suspended Solids | 66.4   | mg/L     | ALS |
| L1935911-1    | CLSP-OUT  | 2-Jun-17     | Total Dissolved Solids | 105    | mg/L     | ALS |
| L1935911-1    | CLSP-OUT  | 2-Jun-17     | Turbidity              | 31.1   | NTU      | ALS |
| L1937408-4    | CLSP-OUT  | 4-Jun-17     | pH                     | 7.84   | pH units | ALS |
| L1937408-4    | CLSP-OUT  | 4-Jun-17     | Total Suspended Solids | 22     | mg/L     | ALS |
| L1937408-4    | CLSP-OUT  | 4-Jun-17     | Total Dissolved Solids | 130    | mg/L     | ALS |
| L1937408-4    | CLSP-OUT  | 4-Jun-17     | Turbidity              | 48.9   | NTU      | ALS |
| L1937423-4    | CLSP-OUT  | 5-Jun-17     | pH                     | 7.77   | pH units | ALS |
| L1937423-4    | CLSP-OUT  | 5-Jun-17     | Total Suspended Solids | 194    | mg/L     | ALS |
| L1937423-4    | CLSP-OUT  | 5-Jun-17     | Total Dissolved Solids | 215    | mg/L     | ALS |
| L1937423-4    | CLSP-OUT  | 5-Jun-17     | Turbidity              | 316    | NTU      | ALS |
| L1937661-4    | CLSP-OUT  | 6-Jun-17     | pH                     | 7.61   | pH units | ALS |
| L1937661-4    | CLSP-OUT  | 6-Jun-17     | Total Suspended Solids | 83.3   | mg/L     | ALS |
| L1937661-4    | CLSP-OUT  | 6-Jun-17     | Total Dissolved Solids | 130    | mg/L     | ALS |
| L1937661-4    | CLSP-OUT  | 6-Jun-17     | Turbidity              | 129    | NTU      | ALS |
| L1937661-4    | CLSP-OUT  | 7-Jun-17     | pH                     | 7.65   | pH units | ALS |
| L1937661-4    | CLSP-OUT  | 7-Jun-17     | Total Suspended Solids | 24.8   | mg/L     | ALS |

**Table B.2.2 - Surface Water Quality Monitoring for Camp Lake Surface Water Drainage**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1937661-4    | CLSP-OUT  | 7-Jun-17     | Total Dissolved Solids | 95     | mg/L     | ALS |
| L1937661-4    | CLSP-OUT  | 7-Jun-17     | Turbidity              | 13     | NTU      | ALS |
| L1939257-4    | CLSP-OUT  | 8-Jun-17     | pH                     | 7.59   | pH units | ALS |
| L1939257-4    | CLSP-OUT  | 8-Jun-17     | Total Suspended Solids | 21.6   | mg/L     | ALS |
| L1939257-4    | CLSP-OUT  | 8-Jun-17     | Total Dissolved Solids | 105    | mg/L     | ALS |
| L1939257-4    | CLSP-OUT  | 8-Jun-17     | Turbidity              | 14.5   | NTU      | ALS |
| L1940018-4    | CLSP-OUT  | 9-Jun-17     | pH                     | 7.51   | pH units | ALS |
| L1940018-4    | CLSP-OUT  | 9-Jun-17     | Total Suspended Solids | 9.6    | mg/L     | ALS |
| L1940018-4    | CLSP-OUT  | 9-Jun-17     | Total Dissolved Solids | 85     | mg/L     | ALS |
| L1940018-4    | CLSP-OUT  | 9-Jun-17     | Turbidity              | 7.51   | NTU      | ALS |
| L1940020-5    | CLSP-OUT  | 10-Jun-17    | pH                     | 7.46   | pH units | ALS |
| L1940020-5    | CLSP-OUT  | 10-Jun-17    | Total Suspended Solids | 18.8   | mg/L     | ALS |
| L1940020-5    | CLSP-OUT  | 10-Jun-17    | Total Dissolved Solids | 85     | mg/L     | ALS |
| L1940020-5    | CLSP-OUT  | 10-Jun-17    | Turbidity              | 13     | NTU      | ALS |
| L1940022-4    | CLSP-OUT  | 11-Jun-17    | pH                     | 7.45   | pH units | ALS |
| L1940022-4    | CLSP-OUT  | 11-Jun-17    | Total Suspended Solids | 104    | mg/L     | ALS |
| L1940022-4    | CLSP-OUT  | 11-Jun-17    | Total Dissolved Solids | 110    | mg/L     | ALS |
| L1940022-4    | CLSP-OUT  | 11-Jun-17    | Turbidity              | 40.2   | NTU      | ALS |
| L1942070-3    | CLSP-OUT  | 12-Jun-17    | pH                     | 7.82   | pH units | ALS |
| L1942070-3    | CLSP-OUT  | 12-Jun-17    | Total Suspended Solids | 3      | mg/L     | ALS |
| L1942070-3    | CLSP-OUT  | 12-Jun-17    | Total Dissolved Solids | 126    | mg/L     | ALS |
| L1942070-3    | CLSP-OUT  | 12-Jun-17    | Turbidity              | 3.55   | NTU      | ALS |
| L1940978-2    | CLSP-OUT  | 13-Jun-17    | pH                     | 7.41   | pH units | ALS |
| L1940978-2    | CLSP-OUT  | 13-Jun-17    | Total Suspended Solids | 55.2   | mg/L     | ALS |
| L1940978-2    | CLSP-OUT  | 13-Jun-17    | Total Dissolved Solids | 55     | mg/L     | ALS |
| L1940978-2    | CLSP-OUT  | 13-Jun-17    | Turbidity              | 26.9   | NTU      | ALS |
| L1942538-4    | CLSP-OUT  | 14-Jun-17    | pH                     | 7.44   | pH units | ALS |
| L1942538-4    | CLSP-OUT  | 14-Jun-17    | Total Suspended Solids | 23.6   | mg/L     | ALS |
| L1942538-4    | CLSP-OUT  | 14-Jun-17    | Total Dissolved Solids | 122    | mg/L     | ALS |
| L1942538-4    | CLSP-OUT  | 14-Jun-17    | Turbidity              | 9.2    | NTU      | ALS |
| L1943887-5    | CLSP-OUT  | 15-Jun-17    | pH                     | 7.58   | pH units | ALS |
| L1943887-5    | CLSP-OUT  | 15-Jun-17    | Total Suspended Solids | 77.2   | mg/L     | ALS |
| L1943887-5    | CLSP-OUT  | 15-Jun-17    | Total Dissolved Solids | 141    | mg/L     | ALS |
| L1943887-5    | CLSP-OUT  | 15-Jun-17    | Turbidity              | 93.8   | NTU      | ALS |
| L1943993-5    | CLSP-OUT  | 16-Jun-17    | pH                     | 7.88   | pH units | ALS |
| L1943993-5    | CLSP-OUT  | 16-Jun-17    | Total Suspended Solids | 112    | mg/L     | ALS |
| L1943993-5    | CLSP-OUT  | 16-Jun-17    | Total Dissolved Solids | 280    | mg/L     | ALS |
| L1943993-5    | CLSP-OUT  | 16-Jun-17    | Turbidity              | 145    | NTU      | ALS |
| L1944007-5    | CLSP-OUT  | 17-Jun-17    | pH                     | 7.87   | pH units | ALS |
| L1944007-5    | CLSP-OUT  | 17-Jun-17    | Total Suspended Solids | 6.4    | mg/L     | ALS |
| L1944007-5    | CLSP-OUT  | 17-Jun-17    | Total Dissolved Solids | 180    | mg/L     | ALS |
| L1944007-5    | CLSP-OUT  | 17-Jun-17    | Turbidity              | 12     | NTU      | ALS |
| L1944017-5    | CLSP-OUT  | 18-Jun-17    | pH                     | 7.51   | pH units | ALS |
| L1944017-5    | CLSP-OUT  | 18-Jun-17    | Total Suspended Solids | 11.2   | mg/L     | ALS |
| L1944017-5    | CLSP-OUT  | 18-Jun-17    | Total Dissolved Solids | 115    | mg/L     | ALS |
| L1944017-5    | CLSP-OUT  | 18-Jun-17    | Turbidity              | 7.63   | NTU      | ALS |
| L1945221-2    | CLSP-OUT  | 19-Jun-17    | pH                     | 8.24   | pH units | ALS |
| L1945221-2    | CLSP-OUT  | 19-Jun-17    | Total Suspended Solids | 2.6    | mg/L     | ALS |
| L1945221-2    | CLSP-OUT  | 19-Jun-17    | Total Dissolved Solids | 170    | mg/L     | ALS |
| L1945221-2    | CLSP-OUT  | 19-Jun-17    | Turbidity              | 5.21   | NTU      | ALS |
| L1945333-4    | CLSP-OUT  | 20-Jun-17    | pH                     | 7.89   | pH units | ALS |
| L1945333-4    | CLSP-OUT  | 20-Jun-17    | Total Suspended Solids | 3.6    | mg/L     | ALS |
| L1945333-4    | CLSP-OUT  | 20-Jun-17    | Total Dissolved Solids | 170    | mg/L     | ALS |
| L1945333-4    | CLSP-OUT  | 20-Jun-17    | Turbidity              | 3.58   | NTU      | ALS |
| L1946663-4    | CLSP-OUT  | 21-Jun-17    | pH                     | 7.89   | pH units | ALS |
| L1946663-4    | CLSP-OUT  | 21-Jun-17    | Total Suspended Solids | 6      | mg/L     | ALS |
| L1946663-4    | CLSP-OUT  | 21-Jun-17    | Total Dissolved Solids | 233    | mg/L     | ALS |
| L1946663-4    | CLSP-OUT  | 21-Jun-17    | Turbidity              | 3.09   | NTU      | ALS |

**Table B.2.2 - Surface Water Quality Monitoring for Camp Lake Surface Water Drainage**

| Sample Number | Sample ID | Date Sampled | Parameter Name               | Result    | Units    | Lab |
|---------------|-----------|--------------|------------------------------|-----------|----------|-----|
| L1946710-4    | CLSP-OUT  | 22-Jun-17    | pH                           | 7.89      | pH units | ALS |
| L1946710-4    | CLSP-OUT  | 22-Jun-17    | Total Suspended Solids       | <2.0      | mg/L     | ALS |
| L1946710-4    | CLSP-OUT  | 22-Jun-17    | Total Dissolved Solids       | 257       | mg/L     | ALS |
| L1946710-4    | CLSP-OUT  | 22-Jun-17    | Turbidity                    | 2.44      | NTU      | ALS |
| L1925953-1    | CLT-OUT   | 13-May-17    | pH                           | 7.52      | pH units | ALS |
| L1925953-1    | CLT-OUT   | 13-May-17    | Total Suspended Solids       | 373       | mg/L     | ALS |
| L1925953-1    | CLT-OUT   | 13-May-17    | Total Dissolved Solids       | 65        | mg/L     | ALS |
| L1925953-1    | CLT-OUT   | 13-May-17    | Turbidity                    | 91.2      | NTU      | ALS |
| L1925975-1    | CLT-OUT   | 14-May-17    | pH                           | 7.51      | pH units | ALS |
| L1925975-1    | CLT-OUT   | 14-May-17    | Total Suspended Solids       | 57.2      | mg/L     | ALS |
| L1925975-1    | CLT-OUT   | 14-May-17    | Total Dissolved Solids       | 50        | mg/L     | ALS |
| L1925975-1    | CLT-OUT   | 14-May-17    | Turbidity                    | 55.4      | NTU      | ALS |
| L1926436-3    | CLT-OUT   | 15-May-17    | pH                           | 7.6       | pH units | ALS |
| L1926436-3    | CLT-OUT   | 15-May-17    | Total Suspended Solids       | 563       | mg/L     | ALS |
| L1926436-3    | CLT-OUT   | 15-May-17    | Total Dissolved Solids       | 90        | mg/L     | ALS |
| L1926436-3    | CLT-OUT   | 15-May-17    | Turbidity                    | 208       | NTU      | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Conductivity                 | 88.2      | uS/cm    | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Hardness (as CaCO3)          | 35        | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | pH                           | 7.7       | pH units | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Total Suspended Solids       | 275       | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Total Dissolved Solids       | 56        | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Turbidity                    | 146       | NTU      | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Alkalinity, Total (as CaCO3) | 27        | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Ammonia, Total (as N)        | 0.025     | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Chloride (Cl)                | 5.24      | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Fluoride (F)                 | <0.020    | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Nitrate (as N)               | 0.139     | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Total Kjeldahl Nitrogen      | 0.38      | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Phosphorus, Total            | 0.189     | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Sulfate (SO4)                | 5.66      | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Dissolved Organic Carbon     | 4.7       | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Total Organic Carbon         | 6.3       | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Aluminum (Al)-Total          | 5.27      | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Arsenic (As)-Total           | <0.0010   | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Cadmium (Cd)-Total           | <0.00010  | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Calcium (Ca)-Total           | 7.9       | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Copper (Cu)-Total            | 0.012     | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Iron (Fe)-Total              | 6.64      | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Lead (Pb)-Total              | 0.0104    | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Magnesium (Mg)-Total         | 8.71      | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Manganese (Mn)-Total         | 0.167     | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Mercury (Hg)-Total           | <0.000010 | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Molybdenum (Mo)-Total        | 0.00189   | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Nickel (Ni)-Total            | 0.0065    | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Potassium (K)-Total          | 5.01      | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Selenium (Se)-Total          | <0.00050  | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Sodium (Na)-Total            | <5.0      | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Thallium (Tl)-Total          | 0.00011   | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Uranium (U)-Total            | 0.00197   | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Zinc (Zn)-Total              | <0.030    | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Aluminum (Al)-Dissolved      | 0.0225    | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Arsenic (As)-Dissolved       | <0.00010  | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Cadmium (Cd)-Dissolved       | 0.000019  | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Calcium (Ca)-Dissolved       | 6.63      | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Copper (Cu)-Dissolved        | 0.00116   | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Iron (Fe)-Dissolved          | 0.031     | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Lead (Pb)-Dissolved          | 0.000163  | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Magnesium (Mg)-Dissolved     | 4.54      | mg/L     | ALS |

**Table B.2.2 - Surface Water Quality Monitoring for Camp Lake Surface Water Drainage**

| Sample Number | Sample ID | Date Sampled | Parameter Name            | Result    | Units    | Lab |
|---------------|-----------|--------------|---------------------------|-----------|----------|-----|
| L1927999-2    | CLT-OUT   | 16-May-17    | Manganese (Mn)-Dissolved  | 0.0363    | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Mercury (Hg)-Dissolved    | <0.000010 | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Molybdenum (Mo)-Dissolved | 0.00122   | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Nickel (Ni)-Dissolved     | 0.00069   | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Potassium (K)-Dissolved   | 2.28      | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Selenium (Se)-Dissolved   | 0.000064  | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Sodium (Na)-Dissolved     | 1.43      | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Thallium (Tl)-Dissolved   | <0.000010 | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Uranium (U)-Dissolved     | 0.000708  | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Zinc (Zn)-Dissolved       | <0.0010   | mg/L     | ALS |
| L1927999-2    | CLT-OUT   | 16-May-17    | Oil and Grease, Total     | <2.0      | mg/L     | ALS |
| L1928687-1    | CLT-OUT   | 17-May-17    | pH                        | 7.53      | pH units | ALS |
| L1928687-1    | CLT-OUT   | 17-May-17    | Total Suspended Solids    | 377       | mg/L     | ALS |
| L1928687-1    | CLT-OUT   | 17-May-17    | Total Dissolved Solids    | 105       | mg/L     | ALS |
| L1928687-1    | CLT-OUT   | 17-May-17    | Turbidity                 | 191       | NTU      | ALS |
| L1928709-1    | CLT-OUT   | 18-May-17    | pH                        | 7.5       | pH units | ALS |
| L1928709-1    | CLT-OUT   | 18-May-17    | Total Suspended Solids    | 178       | mg/L     | ALS |
| L1928709-1    | CLT-OUT   | 18-May-17    | Total Dissolved Solids    | 75        | mg/L     | ALS |
| L1928709-1    | CLT-OUT   | 18-May-17    | Turbidity                 | 51.2      | NTU      | ALS |
| L1929339-1    | CLT-OUT   | 19-May-17    | pH                        | 7.64      | pH units | ALS |
| L1929339-1    | CLT-OUT   | 19-May-17    | Total Suspended Solids    | 189       | mg/L     | ALS |
| L1929339-1    | CLT-OUT   | 19-May-17    | Total Dissolved Solids    | 86        | mg/L     | ALS |
| L1929339-1    | CLT-OUT   | 19-May-17    | Turbidity                 | 65.7      | NTU      | ALS |
| L1930053-1    | CLT-OUT   | 23-May-17    | pH                        | 7.68      | pH units | ALS |
| L1930053-1    | CLT-OUT   | 23-May-17    | Total Suspended Solids    | 107       | mg/L     | ALS |
| L1930053-1    | CLT-OUT   | 23-May-17    | Total Dissolved Solids    | 75        | mg/L     | ALS |
| L1930053-1    | CLT-OUT   | 23-May-17    | Turbidity                 | 33.1      | NTU      | ALS |
| L1931069-8    | CLT-OUT   | 24-May-17    | pH                        | 7.84      | pH units | ALS |
| L1931069-8    | CLT-OUT   | 24-May-17    | Total Suspended Solids    | 463       | mg/L     | ALS |
| L1931069-8    | CLT-OUT   | 24-May-17    | Total Dissolved Solids    | 40        | mg/L     | ALS |
| L1931069-8    | CLT-OUT   | 24-May-17    | Turbidity                 | 133       | NTU      | ALS |
| L1931870 -8   | CLT-OUT   | 25-May-17    | pH                        | 7.7       | pH units | ALS |
| L1931870 -8   | CLT-OUT   | 25-May-17    | Total Suspended Solids    | 30.4      | mg/L     | ALS |
| L1931870 -8   | CLT-OUT   | 25-May-17    | Total Dissolved Solids    | 105       | mg/L     | ALS |
| L1931870 -8   | CLT-OUT   | 25-May-17    | Turbidity                 | 34        | NTU      | ALS |
| L1932463 -8   | CLT-OUT   | 26-May-17    | pH                        | 7.59      | pH units | ALS |
| L1932463 -8   | CLT-OUT   | 26-May-17    | Total Suspended Solids    | 26.8      | mg/L     | ALS |
| L1932463 -8   | CLT-OUT   | 26-May-17    | Total Dissolved Solids    | 60        | mg/L     | ALS |
| L1932463 -8   | CLT-OUT   | 26-May-17    | Turbidity                 | 34.2      | NTU      | ALS |
| L1932521-8    | CLT-OUT   | 27-May-17    | pH                        | 7.4       | pH units | ALS |
| L1932521-8    | CLT-OUT   | 27-May-17    | Total Suspended Solids    | 14        | mg/L     | ALS |
| L1932521-8    | CLT-OUT   | 27-May-17    | Total Dissolved Solids    | 40        | mg/L     | ALS |
| L1932521-8    | CLT-OUT   | 27-May-17    | Turbidity                 | 18.5      | NTU      | ALS |
| L1932828-8    | CLT-OUT   | 28-May-17    | pH                        | 7.45      | pH units | ALS |
| L1932828-8    | CLT-OUT   | 28-May-17    | Total Suspended Solids    | 6         | mg/L     | ALS |
| L1932828-8    | CLT-OUT   | 28-May-17    | Total Dissolved Solids    | 125       | mg/L     | ALS |
| L1932828-8    | CLT-OUT   | 28-May-17    | Turbidity                 | 11.2      | NTU      | ALS |
| L1933090-8    | CLT-OUT   | 29-May-17    | pH                        | 7.39      | pH units | ALS |
| L1933090-8    | CLT-OUT   | 29-May-17    | Total Suspended Solids    | 3.2       | mg/L     | ALS |
| L1933090-8    | CLT-OUT   | 29-May-17    | Total Dissolved Solids    | <20       | mg/L     | ALS |
| L1933090-8    | CLT-OUT   | 29-May-17    | Turbidity                 | 6.32      | NTU      | ALS |
| L1933822-8    | CLT-OUT   | 30-May-17    | pH                        | 7.41      | pH units | ALS |
| L1933822-8    | CLT-OUT   | 30-May-17    | Total Suspended Solids    | 7.2       | mg/L     | ALS |
| L1933822-8    | CLT-OUT   | 30-May-17    | Total Dissolved Solids    | 55        | mg/L     | ALS |
| L1933822-8    | CLT-OUT   | 30-May-17    | Turbidity                 | 7.71      | NTU      | ALS |
| L1935117-8    | CLT-OUT   | 31-May-17    | pH                        | 7.44      | pH units | ALS |
| L1935117-8    | CLT-OUT   | 31-May-17    | Total Suspended Solids    | 14        | mg/L     | ALS |
| L1935117-8    | CLT-OUT   | 31-May-17    | Total Dissolved Solids    | 70        | mg/L     | ALS |

**Table B.2.2 - Surface Water Quality Monitoring for Camp Lake Surface Water Drainage**

| Sample Number | Sample ID | Date Sampled | Parameter Name               | Result    | Units    | Lab |
|---------------|-----------|--------------|------------------------------|-----------|----------|-----|
| L1935117-8    | CLT-OUT   | 31-May-17    | Turbidity                    | 8.62      | NTU      | ALS |
| L1935148-8    | CLT-OUT   | 1-Jun-17     | pH                           | 7.47      | pH units | ALS |
| L1935148-8    | CLT-OUT   | 1-Jun-17     | Total Suspended Solids       | 26.4      | mg/L     | ALS |
| L1935148-8    | CLT-OUT   | 1-Jun-17     | Total Dissolved Solids       | 60        | mg/L     | ALS |
| L1935148-8    | CLT-OUT   | 1-Jun-17     | Turbidity                    | 11        | NTU      | ALS |
| L1935911-2    | CLT-OUT   | 2-Jun-17     | pH                           | 7.52      | pH units | ALS |
| L1935911-2    | CLT-OUT   | 2-Jun-17     | Total Suspended Solids       | 22.4      | mg/L     | ALS |
| L1935911-2    | CLT-OUT   | 2-Jun-17     | Total Dissolved Solids       | 45        | mg/L     | ALS |
| L1935911-2    | CLT-OUT   | 2-Jun-17     | Turbidity                    | 13.1      | NTU      | ALS |
| L1936153-1    | CLT-OUT   | 3-Jun-17     | pH                           | 7.45      | pH units | ALS |
| L1936153-1    | CLT-OUT   | 3-Jun-17     | Total Suspended Solids       | 10.4      | mg/L     | ALS |
| L1936153-1    | CLT-OUT   | 3-Jun-17     | Total Dissolved Solids       | 55        | mg/L     | ALS |
| L1936153-1    | CLT-OUT   | 3-Jun-17     | Turbidity                    | 7.14      | NTU      | ALS |
| L1937408-3    | CLT-OUT   | 4-Jun-17     | pH                           | 7.43      | pH units | ALS |
| L1937408-3    | CLT-OUT   | 4-Jun-17     | Total Suspended Solids       | 6.4       | mg/L     | ALS |
| L1937408-3    | CLT-OUT   | 4-Jun-17     | Total Dissolved Solids       | 40        | mg/L     | ALS |
| L1937408-3    | CLT-OUT   | 4-Jun-17     | Turbidity                    | 7.75      | NTU      | ALS |
| L1937423-3    | CLT-OUT   | 5-Jun-17     | pH                           | 7.54      | pH units | ALS |
| L1937423-3    | CLT-OUT   | 5-Jun-17     | Total Suspended Solids       | 8.4       | mg/L     | ALS |
| L1937423-3    | CLT-OUT   | 5-Jun-17     | Total Dissolved Solids       | 55        | mg/L     | ALS |
| L1937423-3    | CLT-OUT   | 5-Jun-17     | Turbidity                    | 10.4      | NTU      | ALS |
| L1937661-3    | CLT-OUT   | 6-Jun-17     | pH                           | 7.57      | pH units | ALS |
| L1937661-3    | CLT-OUT   | 6-Jun-17     | Total Suspended Solids       | 14        | mg/L     | ALS |
| L1937661-3    | CLT-OUT   | 6-Jun-17     | Total Dissolved Solids       | 40        | mg/L     | ALS |
| L1937661-3    | CLT-OUT   | 6-Jun-17     | Turbidity                    | 10.9      | NTU      | ALS |
| L1937661-3    | CLT-OUT   | 7-Jun-17     | pH                           | 7.56      | pH units | ALS |
| L1937661-3    | CLT-OUT   | 7-Jun-17     | Total Suspended Solids       | 4.8       | mg/L     | ALS |
| L1937661-3    | CLT-OUT   | 7-Jun-17     | Total Dissolved Solids       | 50        | mg/L     | ALS |
| L1937661-3    | CLT-OUT   | 7-Jun-17     | Turbidity                    | 7.93      | NTU      | ALS |
| L1939257-3    | CLT-OUT   | 8-Jun-17     | pH                           | 7.56      | pH units | ALS |
| L1939257-3    | CLT-OUT   | 8-Jun-17     | Total Suspended Solids       | 2         | mg/L     | ALS |
| L1939257-3    | CLT-OUT   | 8-Jun-17     | Total Dissolved Solids       | 35        | mg/L     | ALS |
| L1939257-3    | CLT-OUT   | 8-Jun-17     | Turbidity                    | 3.65      | NTU      | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Hardness (as CaCO3)          | 30        | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | pH                           | 7.58      | pH units | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Total Suspended Solids       | 6         | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Total Dissolved Solids       | <20       | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Turbidity                    | 6.91      | NTU      | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Alkalinity, Total (as CaCO3) | 28        | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Ammonia, Total (as N)        | <0.020    | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Chloride (Cl)                | 2.5       | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Fluoride (F)                 | <0.020    | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Nitrate (as N)               | 0.057     | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Total Kjeldahl Nitrogen      | 0.15      | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Phosphorus, Total            | 0.0097    | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Sulfate (SO4)                | 2.65      | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Dissolved Organic Carbon     | 2.9       | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Total Organic Carbon         | 3.1       | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Aluminum (Al)-Total          | 0.222     | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Arsenic (As)-Total           | <0.00010  | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Cadmium (Cd)-Total           | <0.000010 | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Calcium (Ca)-Total           | 6.23      | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Copper (Cu)-Total            | 0.0018    | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Iron (Fe)-Total              | 0.28      | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Lead (Pb)-Total              | 0.00053   | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Magnesium (Mg)-Total         | 3.83      | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Manganese (Mn)-Total         | 0.00768   | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Mercury (Hg)-Total           | <0.000010 | mg/L     | ALS |

**Table B.2.2 - Surface Water Quality Monitoring for Camp Lake Surface Water Drainage**

| Sample Number | Sample ID | Date Sampled | Parameter Name            | Result    | Units    | Lab |
|---------------|-----------|--------------|---------------------------|-----------|----------|-----|
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Molybdenum (Mo)-Total     | 0.000345  | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Nickel (Ni)-Total         | 0.00092   | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Potassium (K)-Total       | 0.988     | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Selenium (Se)-Total       | <0.000050 | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Sodium (Na)-Total         | 0.85      | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Thallium (Tl)-Total       | <0.000010 | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Uranium (U)-Total         | 0.00048   | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Zinc (Zn)-Total           | <0.0030   | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Aluminum (Al)-Dissolved   | 0.0114    | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Arsenic (As)-Dissolved    | <0.00010  | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Cadmium (Cd)-Dissolved    | <0.000010 | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Calcium (Ca)-Dissolved    | 6.27      | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Copper (Cu)-Dissolved     | 0.00109   | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Iron (Fe)-Dissolved       | 0.025     | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Lead (Pb)-Dissolved       | 0.000063  | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Magnesium (Mg)-Dissolved  | 3.53      | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Manganese (Mn)-Dissolved  | 0.00281   | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Mercury (Hg)-Dissolved    | 0.000017  | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Molybdenum (Mo)-Dissolved | 0.000341  | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Nickel (Ni)-Dissolved     | 0.00071   | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Potassium (K)-Dissolved   | 0.882     | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Selenium (Se)-Dissolved   | <0.000050 | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Sodium (Na)-Dissolved     | 0.91      | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Thallium (Tl)-Dissolved   | <0.000010 | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Uranium (U)-Dissolved     | 0.000393  | mg/L     | ALS |
| L1940018-3    | CLT-OUT   | 9-Jun-17     | Zinc (Zn)-Dissolved       | 0.0018    | mg/L     | ALS |
| L1940020-4    | CLT-OUT   | 10-Jun-17    | pH                        | 7.58      | pH units | ALS |
| L1940020-4    | CLT-OUT   | 10-Jun-17    | Total Suspended Solids    | 4.4       | mg/L     | ALS |
| L1940020-4    | CLT-OUT   | 10-Jun-17    | Total Dissolved Solids    | 25        | mg/L     | ALS |
| L1940020-4    | CLT-OUT   | 10-Jun-17    | Turbidity                 | 6.68      | NTU      | ALS |
| L1940022-5    | CLT-OUT   | 11-Jun-17    | pH                        | 7.62      | pH units | ALS |
| L1940022-5    | CLT-OUT   | 11-Jun-17    | Total Suspended Solids    | 10.8      | mg/L     | ALS |
| L1940022-5    | CLT-OUT   | 11-Jun-17    | Total Dissolved Solids    | 35        | mg/L     | ALS |
| L1940022-5    | CLT-OUT   | 11-Jun-17    | Turbidity                 | 8.23      | NTU      | ALS |
| L1942070-4    | CLT-OUT   | 12-Jun-17    | pH                        | 7.68      | pH units | ALS |
| L1942070-4    | CLT-OUT   | 12-Jun-17    | Total Suspended Solids    | 7.4       | mg/L     | ALS |
| L1942070-4    | CLT-OUT   | 12-Jun-17    | Total Dissolved Solids    | 35        | mg/L     | ALS |
| L1942070-4    | CLT-OUT   | 12-Jun-17    | Turbidity                 | 8.28      | NTU      | ALS |
| L1940978-1    | CLT-OUT   | 13-Jun-17    | pH                        | 7.49      | pH units | ALS |
| L1940978-1    | CLT-OUT   | 13-Jun-17    | Total Suspended Solids    | 2.8       | mg/L     | ALS |
| L1940978-1    | CLT-OUT   | 13-Jun-17    | Total Dissolved Solids    | <20       | mg/L     | ALS |
| L1940978-1    | CLT-OUT   | 13-Jun-17    | Turbidity                 | 3.71      | NTU      | ALS |
| L1942538-5    | CLT-OUT   | 14-Jun-17    | pH                        | 7.52      | pH units | ALS |
| L1942538-5    | CLT-OUT   | 14-Jun-17    | Total Suspended Solids    | 2.8       | mg/L     | ALS |
| L1942538-5    | CLT-OUT   | 14-Jun-17    | Total Dissolved Solids    | 55        | mg/L     | ALS |
| L1942538-5    | CLT-OUT   | 14-Jun-17    | Turbidity                 | 4.45      | NTU      | ALS |
| L1943887-4    | CLT-OUT   | 15-Jun-17    | pH                        | 7.57      | pH units | ALS |
| L1943887-4    | CLT-OUT   | 15-Jun-17    | Total Suspended Solids    | 7.2       | mg/L     | ALS |
| L1943887-4    | CLT-OUT   | 15-Jun-17    | Total Dissolved Solids    | 55        | mg/L     | ALS |
| L1943887-4    | CLT-OUT   | 15-Jun-17    | Turbidity                 | 6.59      | NTU      | ALS |
| L1943993-4    | CLT-OUT   | 16-Jun-17    | pH                        | 7.52      | pH units | ALS |
| L1943993-4    | CLT-OUT   | 16-Jun-17    | Total Suspended Solids    | 4         | mg/L     | ALS |
| L1943993-4    | CLT-OUT   | 16-Jun-17    | Total Dissolved Solids    | 108       | mg/L     | ALS |
| L1943993-4    | CLT-OUT   | 16-Jun-17    | Turbidity                 | 5.76      | NTU      | ALS |
| L1944007-4    | CLT-OUT   | 17-Jun-17    | pH                        | 7.39      | pH units | ALS |
| L1944007-4    | CLT-OUT   | 17-Jun-17    | Total Suspended Solids    | 4.8       | mg/L     | ALS |
| L1944007-4    | CLT-OUT   | 17-Jun-17    | Total Dissolved Solids    | 20        | mg/L     | ALS |
| L1944007-4    | CLT-OUT   | 17-Jun-17    | Turbidity                 | 4.55      | NTU      | ALS |

**Table B.2.2 - Surface Water Quality Monitoring for Camp Lake Surface Water Drainage**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1944017-4    | CLT-OUT   | 18-Jun-17    | pH                     | 7.57   | pH units | ALS |
| L1944017-4    | CLT-OUT   | 18-Jun-17    | Total Suspended Solids | 5.2    | mg/L     | ALS |
| L1944017-4    | CLT-OUT   | 18-Jun-17    | Total Dissolved Solids | <20    | mg/L     | ALS |
| L1944017-4    | CLT-OUT   | 18-Jun-17    | Turbidity              | 7.19   | NTU      | ALS |
| L1945221-1    | CLT-OUT   | 19-Jun-17    | pH                     | 7.75   | pH units | ALS |
| L1945221-1    | CLT-OUT   | 19-Jun-17    | Total Suspended Solids | 5.2    | mg/L     | ALS |
| L1945221-1    | CLT-OUT   | 19-Jun-17    | Total Dissolved Solids | 27     | mg/L     | ALS |
| L1945221-1    | CLT-OUT   | 19-Jun-17    | Turbidity              | 3.47   | NTU      | ALS |
| L1945333-3    | CLT-OUT   | 20-Jun-17    | pH                     | 7.51   | pH units | ALS |
| L1945333-3    | CLT-OUT   | 20-Jun-17    | Total Suspended Solids | 3.2    | mg/L     | ALS |
| L1945333-3    | CLT-OUT   | 20-Jun-17    | Total Dissolved Solids | 55     | mg/L     | ALS |
| L1945333-3    | CLT-OUT   | 20-Jun-17    | Turbidity              | 2.94   | NTU      | ALS |
| L1946663-3    | CLT-OUT   | 21-Jun-17    | pH                     | 7.49   | pH units | ALS |
| L1946663-3    | CLT-OUT   | 21-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1946663-3    | CLT-OUT   | 21-Jun-17    | Total Dissolved Solids | 87     | mg/L     | ALS |
| L1946663-3    | CLT-OUT   | 21-Jun-17    | Turbidity              | 2.56   | NTU      | ALS |
| L1946710-3    | CLT-OUT   | 22-Jun-17    | pH                     | 7.51   | pH units | ALS |
| L1946710-3    | CLT-OUT   | 22-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1946710-3    | CLT-OUT   | 22-Jun-17    | Total Dissolved Solids | 83     | mg/L     | ALS |
| L1946710-3    | CLT-OUT   | 22-Jun-17    | Turbidity              | 2.89   | NTU      | ALS |
| L1948489-3    | CLT-OUT   | 24-Jun-17    | pH                     | 7.47   | pH units | ALS |
| L1948489-3    | CLT-OUT   | 24-Jun-17    | Total Suspended Solids | 7.9    | mg/L     | ALS |
| L1948489-3    | CLT-OUT   | 24-Jun-17    | Total Dissolved Solids | 21     | mg/L     | ALS |
| L1948489-3    | CLT-OUT   | 24-Jun-17    | Turbidity              | 2.67   | NTU      | ALS |
| L1948725-3    | CLT-OUT   | 25-Jun-17    | pH                     | 7.52   | pH units | ALS |
| L1948725-3    | CLT-OUT   | 25-Jun-17    | Total Suspended Solids | 3.2    | mg/L     | ALS |
| L1948725-3    | CLT-OUT   | 25-Jun-17    | Total Dissolved Solids | 39     | mg/L     | ALS |
| L1948725-3    | CLT-OUT   | 25-Jun-17    | Turbidity              | 2.04   | NTU      | ALS |
| L1949835-3    | CLT-OUT   | 26-Jun-17    | pH                     | 7.58   | pH units | ALS |
| L1949835-3    | CLT-OUT   | 26-Jun-17    | Total Suspended Solids | 2.4    | mg/L     | ALS |
| L1949835-3    | CLT-OUT   | 26-Jun-17    | Total Dissolved Solids | 45     | mg/L     | ALS |
| L1949835-3    | CLT-OUT   | 26-Jun-17    | Turbidity              | 0.15   | NTU      | ALS |
| L1949858-3    | CLT-OUT   | 27-Jun-17    | pH                     | 7.66   | pH units | ALS |
| L1949858-3    | CLT-OUT   | 27-Jun-17    | Total Suspended Solids | 4      | mg/L     | ALS |
| L1949858-3    | CLT-OUT   | 27-Jun-17    | Total Dissolved Solids | <20    | mg/L     | ALS |
| L1949858-3    | CLT-OUT   | 27-Jun-17    | Turbidity              | 3.17   | NTU      | ALS |
| L1951782-3    | CLT-OUT   | 29-Jun-17    | pH                     | 7.75   | pH units | ALS |
| L1951782-3    | CLT-OUT   | 29-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1951782-3    | CLT-OUT   | 29-Jun-17    | Total Dissolved Solids | 48     | mg/L     | ALS |
| L1951782-3    | CLT-OUT   | 29-Jun-17    | Turbidity              | 2.41   | NTU      | ALS |
| L1953936-3    | CLT-OUT   | 30-Jun-17    | pH                     | 7.83   | pH units | ALS |
| L1953936-3    | CLT-OUT   | 30-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1953936-3    | CLT-OUT   | 30-Jun-17    | Total Dissolved Solids | 41     | mg/L     | ALS |
| L1953936-3    | CLT-OUT   | 30-Jun-17    | Turbidity              | 0.77   | NTU      | ALS |

**Note:**

Highlighted TSS results indicate exceedances of the 30 mg/L limit for grab samples as outlined in Table 11: Effluent Quality Discharge Limits for Contact Water provided in Baffinland's Type A Water Licence (2AM-MRY1325, Amend. 1)

**Table B.2.4 - Water Quality Monitoring for Tote Road Water Crossings**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1930251-10   | BG01-US   | 23-May-17    | pH                     | 7.59   | pH units | ALS |
| L1930251-10   | BG01-US   | 23-May-17    | Total Suspended Solids | 7.6    | mg/L     | ALS |
| L1930251-10   | BG01-US   | 23-May-17    | Total Dissolved Solids | 65     | mg/L     | ALS |
| L1930251-10   | BG01-US   | 23-May-17    | Turbidity              | 18     | NTU      | ALS |
| L1933186-46   | BG01-US   | 28-May-17    | pH                     | 7.34   | pH units | ALS |
| L1933186-46   | BG01-US   | 28-May-17    | Total Suspended Solids | 10     | mg/L     | ALS |
| L1933186-46   | BG01-US   | 28-May-17    | Total Dissolved Solids | <20    | mg/L     | ALS |
| L1933186-46   | BG01-US   | 28-May-17    | Turbidity              | 11.7   | NTU      | ALS |
| L1936151-6    | BG01-US   | 2-Jun-17     | pH                     | 7.5    | mg/L     | ALS |
| L1936151-6    | BG01-US   | 2-Jun-17     | Total Suspended Solids | 14     | mg/L     | ALS |
| L1936151-6    | BG01-US   | 2-Jun-17     | Total Dissolved Solids | 40     | NTU      | ALS |
| L1936151-6    | BG01-US   | 2-Jun-17     | Turbidity              | 15.9   | pH units | ALS |
| L1940472-10   | BG01-US   | 11-Jun-17    | pH                     | 7.54   | pH units | ALS |
| L1940472-10   | BG01-US   | 11-Jun-17    | Total Suspended Solids | 6.8    | mg/L     | ALS |
| L1940472-10   | BG01-US   | 11-Jun-17    | Total Dissolved Solids | 16     | mg/L     | ALS |
| L1940472-10   | BG01-US   | 11-Jun-17    | Turbidity              | 10.3   | NTU      | ALS |
| L1944004-24   | BG01-US   | 17-Jun-17    | pH                     | 7.47   | pH units | ALS |
| L1944004-24   | BG01-US   | 17-Jun-17    | Total Suspended Solids | 7.2    | mg/L     | ALS |
| L1944004-24   | BG01-US   | 17-Jun-17    | Total Dissolved Solids | 30     | mg/L     | ALS |
| L1944004-24   | BG01-US   | 17-Jun-17    | Turbidity              | 7.44   | NTU      | ALS |
| L1948077-33   | BG01-US   | 23-Jun-17    | pH                     | 7.47   | pH units | ALS |
| L1948077-33   | BG01-US   | 23-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-33   | BG01-US   | 23-Jun-17    | Total Dissolved Solids | 35     | mg/L     | ALS |
| L1948077-33   | BG01-US   | 23-Jun-17    | Turbidity              | 3.45   | NTU      | ALS |
| L1954185-22   | BG01-US   | 2-Jul-17     | pH                     | 7.84   | pH units | ALS |
| L1954185-22   | BG01-US   | 2-Jul-17     | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954185-22   | BG01-US   | 2-Jul-17     | Total Dissolved Solids | 37     | mg/L     | ALS |
| L1954185-22   | BG01-US   | 2-Jul-17     | Turbidity              | 0.86   | NTU      | ALS |
| L1928687-3    | BG01-DS   | 17-May-17    | pH                     | 7.44   | pH units | ALS |
| L1928687-3    | BG01-DS   | 17-May-17    | Total Suspended Solids | 127    | mg/L     | ALS |
| L1928687-3    | BG01-DS   | 17-May-17    | Total Dissolved Solids | 76     | mg/L     | ALS |
| L1928687-3    | BG01-DS   | 17-May-17    | Turbidity              | 124    | NTU      | ALS |
| L1928709-3    | BG01-DS   | 18-May-17    | pH                     | 7.47   | pH units | ALS |
| L1928709-3    | BG01-DS   | 18-May-17    | Total Suspended Solids | 109    | mg/L     | ALS |
| L1928709-3    | BG01-DS   | 18-May-17    | Total Dissolved Solids | 55     | mg/L     | ALS |
| L1928709-3    | BG01-DS   | 18-May-17    | Turbidity              | 20.5   | NTU      | ALS |
| L1929467-5    | BG01-DS   | 19-May-17    | pH                     | 7.6    | pH units | ALS |
| L1929467-5    | BG01-DS   | 19-May-17    | Total Suspended Solids | 8.4    | mg/L     | ALS |
| L1929467-5    | BG01-DS   | 19-May-17    | Total Dissolved Solids | 55     | mg/L     | ALS |
| L1929467-5    | BG01-DS   | 19-May-17    | Turbidity              | 20.2   | NTU      | ALS |
| L1929455-2    | BG01-DS   | 20-May-17    | pH                     | 7.55   | pH units | ALS |
| L1929455-2    | BG01-DS   | 20-May-17    | Total Suspended Solids | 10.8   | mg/L     | ALS |
| L1929455-2    | BG01-DS   | 20-May-17    | Total Dissolved Solids | 85     | mg/L     | ALS |
| L1929455-2    | BG01-DS   | 20-May-17    | Turbidity              | 23.3   | NTU      | ALS |
| L1929463-2    | BG01-DS   | 21-May-17    | pH                     | 7.72   | pH units | ALS |
| L1929463-2    | BG01-DS   | 21-May-17    | Total Suspended Solids | 198    | mg/L     | ALS |
| L1929463-2    | BG01-DS   | 21-May-17    | Total Dissolved Solids | 95     | mg/L     | ALS |
| L1929463-2    | BG01-DS   | 21-May-17    | Turbidity              | 47.1   | NTU      | ALS |
| L1929502-4    | BG01-DS   | 22-May-17    | pH                     | 7.49   | pH units | ALS |
| L1929502-4    | BG01-DS   | 22-May-17    | Total Suspended Solids | 211    | mg/L     | ALS |
| L1929502-4    | BG01-DS   | 22-May-17    | Total Dissolved Solids | 82     | mg/L     | ALS |
| L1929502-4    | BG01-DS   | 22-May-17    | Turbidity              | 64.6   | NTU      | ALS |
| L1930053-7    | BG01-DS   | 23-May-17    | pH                     | 7.59   | pH units | ALS |
| L1930053-7    | BG01-DS   | 23-May-17    | Total Suspended Solids | 40.8   | mg/L     | ALS |
| L1930053-7    | BG01-DS   | 23-May-17    | Total Dissolved Solids | 80     | mg/L     | ALS |
| L1930053-7    | BG01-DS   | 23-May-17    | Turbidity              | 34.1   | NTU      | ALS |
| L1930251-11   | BG01-DS   | 23-May-17    | pH                     | 7.64   | pH units | ALS |
| L1930251-11   | BG01-DS   | 23-May-17    | Total Suspended Solids | 84.4   | mg/L     | ALS |
| L1930251-11   | BG01-DS   | 23-May-17    | Total Dissolved Solids | 65     | mg/L     | ALS |
| L1930251-11   | BG01-DS   | 23-May-17    | Turbidity              | 43.4   | NTU      | ALS |
| L1931069-10   | BG01-DS   | 24-May-17    | pH                     | 7.69   | pH units | ALS |
| L1931069-10   | BG01-DS   | 24-May-17    | Total Suspended Solids | 84     | mg/L     | ALS |
| L1931069-10   | BG01-DS   | 24-May-17    | Total Dissolved Solids | 57     | mg/L     | ALS |
| L1931069-10   | BG01-DS   | 24-May-17    | Turbidity              | 55.1   | NTU      | ALS |
| L1931870-10   | BG01-DS   | 25-May-17    | pH                     | 7.61   | pH units | ALS |

**Table B.2.4 - Water Quality Monitoring for Tote Road Water Crossings**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1931870-10   | BG01-DS   | 25-May-17    | Total Suspended Solids | 24     | mg/L     | ALS |
| L1931870-10   | BG01-DS   | 25-May-17    | Total Dissolved Solids | 85     | mg/L     | ALS |
| L1931870-10   | BG01-DS   | 25-May-17    | Turbidity              | 33.2   | NTU      | ALS |
| L1932463-10   | BG01-DS   | 26-May-17    | pH                     | 7.57   | pH units | ALS |
| L1932463-10   | BG01-DS   | 26-May-17    | Total Suspended Solids | 32.4   | mg/L     | ALS |
| L1932463-10   | BG01-DS   | 26-May-17    | Total Dissolved Solids | 85     | mg/L     | ALS |
| L1932463-10   | BG01-DS   | 26-May-17    | Turbidity              | 30.6   | NTU      | ALS |
| L1932521-10   | BG01-DS   | 27-May-17    | pH                     | 7.31   | pH units | ALS |
| L1932521-10   | BG01-DS   | 27-May-17    | Total Suspended Solids | 14.4   | mg/L     | ALS |
| L1932521-10   | BG01-DS   | 27-May-17    | Total Dissolved Solids | 30     | mg/L     | ALS |
| L1932521-10   | BG01-DS   | 27-May-17    | Turbidity              | 16.3   | NTU      | ALS |
| L1932828-10   | BG01-DS   | 28-May-17    | pH                     | 7.46   | pH units | ALS |
| L1932828-10   | BG01-DS   | 28-May-17    | Total Suspended Solids | 12.4   | mg/L     | ALS |
| L1932828-10   | BG01-DS   | 28-May-17    | Total Dissolved Solids | 114    | mg/L     | ALS |
| L1932828-10   | BG01-DS   | 28-May-17    | Turbidity              | 12.2   | NTU      | ALS |
| L1933186-47   | BG01-DS   | 28-May-17    | pH                     | 7.35   | pH units | ALS |
| L1933186-47   | BG01-DS   | 28-May-17    | Total Suspended Solids | 17.6   | mg/L     | ALS |
| L1933186-47   | BG01-DS   | 28-May-17    | Total Dissolved Solids | 45     | mg/L     | ALS |
| L1933186-47   | BG01-DS   | 28-May-17    | Turbidity              | 12.5   | NTU      | ALS |
| L1933090-10   | BG01-DS   | 29-May-17    | pH                     | 7.4    | pH units | ALS |
| L1933090-10   | BG01-DS   | 29-May-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1933090-10   | BG01-DS   | 29-May-17    | Total Dissolved Solids | 2      | mg/L     | ALS |
| L1933090-10   | BG01-DS   | 29-May-17    | Turbidity              | 5.92   | NTU      | ALS |
| L1933822-10   | BG01-DS   | 30-May-17    | pH                     | 7.37   | pH units | ALS |
| L1933822-10   | BG01-DS   | 30-May-17    | Total Suspended Solids | 6.4    | mg/L     | ALS |
| L1933822-10   | BG01-DS   | 30-May-17    | Total Dissolved Solids | 50     | mg/L     | ALS |
| L1933822-10   | BG01-DS   | 30-May-17    | Turbidity              | 6.71   | NTU      | ALS |
| L1935117-10   | BG01-DS   | 31-May-17    | pH                     | 7.38   | pH units | ALS |
| L1935117-10   | BG01-DS   | 31-May-17    | Total Suspended Solids | 8.8    | mg/L     | ALS |
| L1935117-10   | BG01-DS   | 31-May-17    | Total Dissolved Solids | 65     | mg/L     | ALS |
| L1935117-10   | BG01-DS   | 31-May-17    | Turbidity              | 6.67   | NTU      | ALS |
| L1935148-10   | BG01-DS   | 1-Jun-17     | pH                     | 7.44   | pH units | ALS |
| L1935148-10   | BG01-DS   | 1-Jun-17     | Total Suspended Solids | 24.4   | mg/L     | ALS |
| L1935148-10   | BG01-DS   | 1-Jun-17     | Total Dissolved Solids | 55     | mg/L     | ALS |
| L1935148-10   | BG01-DS   | 1-Jun-17     | Turbidity              | 11.6   | NTU      | ALS |
| L1936151-5    | BG01-DS   | 2-Jun-17     | pH                     | 7.57   | mg/L     | ALS |
| L1936151-5    | BG01-DS   | 2-Jun-17     | Total Suspended Solids | 33.6   | mg/L     | ALS |
| L1936151-5    | BG01-DS   | 2-Jun-17     | Total Dissolved Solids | 40     | NTU      | ALS |
| L1936151-5    | BG01-DS   | 2-Jun-17     | Turbidity              | 20.6   | pH units | ALS |
| L1937408-2    | BG01-DS   | 4-Jun-17     | pH                     | 7.43   | pH units | ALS |
| L1937408-2    | BG01-DS   | 4-Jun-17     | Total Suspended Solids | 6      | mg/L     | ALS |
| L1937408-2    | BG01-DS   | 4-Jun-17     | Total Dissolved Solids | 45     | mg/L     | ALS |
| L1937408-2    | BG01-DS   | 4-Jun-17     | Turbidity              | 7.29   | NTU      | ALS |
| L1937423-2    | BG01-DS   | 5-Jun-17     | pH                     | 7.54   | pH units | ALS |
| L1937423-2    | BG01-DS   | 5-Jun-17     | Total Suspended Solids | 14.4   | mg/L     | ALS |
| L1937423-2    | BG01-DS   | 5-Jun-17     | Total Dissolved Solids | 45     | mg/L     | ALS |
| L1937423-2    | BG01-DS   | 5-Jun-17     | Turbidity              | 10.7   | NTU      | ALS |
| L1937661-2    | BG01-DS   | 6-Jun-17     | pH                     | 7.57   | pH units | ALS |
| L1937661-2    | BG01-DS   | 6-Jun-17     | Total Suspended Solids | 13.6   | mg/L     | ALS |
| L1937661-2    | BG01-DS   | 6-Jun-17     | Total Dissolved Solids | 45     | mg/L     | ALS |
| L1937661-2    | BG01-DS   | 6-Jun-17     | Turbidity              | 10.3   | NTU      | ALS |
| L1938556-2    | BG01-DS   | 7-Jun-17     | pH                     | 7.54   | pH units | ALS |
| L1938556-2    | BG01-DS   | 7-Jun-17     | Total Suspended Solids | 4      | mg/L     | ALS |
| L1938556-2    | BG01-DS   | 7-Jun-17     | Total Dissolved Solids | 45     | mg/L     | ALS |
| L1938556-2    | BG01-DS   | 7-Jun-17     | Turbidity              | 7.18   | NTU      | ALS |
| L1939257-2    | BG01-DS   | 8-Jun-17     | pH                     | 7.57   | pH units | ALS |
| L1939257-2    | BG01-DS   | 8-Jun-17     | Total Suspended Solids | 2.8    | mg/L     | ALS |
| L1939257-2    | BG01-DS   | 8-Jun-17     | Total Dissolved Solids | 50     | mg/L     | ALS |
| L1939257-2    | BG01-DS   | 8-Jun-17     | Turbidity              | 3.71   | NTU      | ALS |
| L1940018-2    | BG01-DS   | 9-Jun-17     | pH                     | 7.56   | pH units | ALS |
| L1940018-2    | BG01-DS   | 9-Jun-17     | Total Suspended Solids | 4      | mg/L     | ALS |
| L1940018-2    | BG01-DS   | 9-Jun-17     | Total Dissolved Solids | 20     | mg/L     | ALS |
| L1940018-2    | BG01-DS   | 9-Jun-17     | Turbidity              | 5.29   | NTU      | ALS |
| L1940020-3    | BG01-DS   | 10-Jun-17    | pH                     | 7.58   | pH units | ALS |

**Table B.2.4 - Water Quality Monitoring for Tote Road Water Crossings**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1940020-3    | BG01-DS   | 10-Jun-17    | Total Suspended Solids | 2.8    | mg/L     | ALS |
| L1940020-3    | BG01-DS   | 10-Jun-17    | Total Dissolved Solids | 25     | mg/L     | ALS |
| L1940020-3    | BG01-DS   | 10-Jun-17    | Turbidity              | 4.83   | NTU      | ALS |
| L1940022-3    | BG01-DS   | 11-Jun-17    | pH                     | 7.58   | pH units | ALS |
| L1940022-3    | BG01-DS   | 11-Jun-17    | Total Suspended Solids | 4.8    | mg/L     | ALS |
| L1940022-3    | BG01-DS   | 11-Jun-17    | Total Dissolved Solids | 35     | mg/L     | ALS |
| L1940022-3    | BG01-DS   | 11-Jun-17    | Turbidity              | 5.84   | NTU      | ALS |
| L1940472-9    | BG01-DS   | 11-Jun-17    | pH                     | 7.54   | pH units | ALS |
| L1940472-9    | BG01-DS   | 11-Jun-17    | Total Suspended Solids | 11.3   | mg/L     | ALS |
| L1940472-9    | BG01-DS   | 11-Jun-17    | Total Dissolved Solids | 16     | mg/L     | ALS |
| L1940472-9    | BG01-DS   | 11-Jun-17    | Turbidity              | 9.35   | NTU      | ALS |
| L1942070-5    | BG01-DS   | 12-Jun-17    | pH                     | 7.49   | pH units | ALS |
| L1942070-5    | BG01-DS   | 12-Jun-17    | Total Suspended Solids | 8.6    | mg/L     | ALS |
| L1942070-5    | BG01-DS   | 12-Jun-17    | Total Dissolved Solids | 35     | mg/L     | ALS |
| L1942070-5    | BG01-DS   | 12-Jun-17    | Turbidity              | 5.79   | NTU      | ALS |
| L1940978-3    | BG01-DS   | 13-Jun-17    | pH                     | 7.54   | pH units | ALS |
| L1940978-3    | BG01-DS   | 13-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1940978-3    | BG01-DS   | 13-Jun-17    | Total Dissolved Solids | 2      | mg/L     | ALS |
| L1940978-3    | BG01-DS   | 13-Jun-17    | Turbidity              | 3.77   | NTU      | ALS |
| L1942538-3    | BG01-DS   | 14-Jun-17    | pH                     | 7.5    | pH units | ALS |
| L1942538-3    | BG01-DS   | 14-Jun-17    | Total Suspended Solids | 2.8    | mg/L     | ALS |
| L1942538-3    | BG01-DS   | 14-Jun-17    | Total Dissolved Solids | 35     | mg/L     | ALS |
| L1942538-3    | BG01-DS   | 14-Jun-17    | Turbidity              | 4.03   | NTU      | ALS |
| L1943887-3    | BG01-DS   | 15-Jun-17    | pH                     | 7.55   | pH units | ALS |
| L1943887-3    | BG01-DS   | 15-Jun-17    | Total Suspended Solids | 9.6    | mg/L     | ALS |
| L1943887-3    | BG01-DS   | 15-Jun-17    | Total Dissolved Solids | 76     | mg/L     | ALS |
| L1943887-3    | BG01-DS   | 15-Jun-17    | Turbidity              | 7.45   | NTU      | ALS |
| L1943993-3    | BG01-DS   | 16-Jun-17    | pH                     | 7.53   | pH units | ALS |
| L1943993-3    | BG01-DS   | 16-Jun-17    | Total Suspended Solids | 3.6    | mg/L     | ALS |
| L1943993-3    | BG01-DS   | 16-Jun-17    | Total Dissolved Solids | 70     | mg/L     | ALS |
| L1943993-3    | BG01-DS   | 16-Jun-17    | Turbidity              | 5.56   | NTU      | ALS |
| L1944004-23   | BG01-DS   | 17-Jun-17    | pH                     | 7.5    | pH units | ALS |
| L1944004-23   | BG01-DS   | 17-Jun-17    | Total Suspended Solids | 6.2    | mg/L     | ALS |
| L1944004-23   | BG01-DS   | 17-Jun-17    | Total Dissolved Solids | 31     | mg/L     | ALS |
| L1944004-23   | BG01-DS   | 17-Jun-17    | Turbidity              | 7.58   | NTU      | ALS |
| L1944007-3    | BG01-DS   | 17-Jun-17    | pH                     | 7.43   | pH units | ALS |
| L1944007-3    | BG01-DS   | 17-Jun-17    | Total Suspended Solids | 3.2    | mg/L     | ALS |
| L1944007-3    | BG01-DS   | 17-Jun-17    | Total Dissolved Solids | 23     | mg/L     | ALS |
| L1944007-3    | BG01-DS   | 17-Jun-17    | Turbidity              | 4.24   | NTU      | ALS |
| L1944017-3    | BG01-DS   | 18-Jun-17    | pH                     | 7.47   | pH units | ALS |
| L1944017-3    | BG01-DS   | 18-Jun-17    | Total Suspended Solids | 4      | mg/L     | ALS |
| L1944017-3    | BG01-DS   | 18-Jun-17    | Total Dissolved Solids | 24     | mg/L     | ALS |
| L1944017-3    | BG01-DS   | 18-Jun-17    | Turbidity              | 7.55   | NTU      | ALS |
| L1948077-32   | BG01-DS   | 23-Jun-17    | pH                     | 7.53   | pH units | ALS |
| L1948077-32   | BG01-DS   | 23-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-32   | BG01-DS   | 23-Jun-17    | Total Dissolved Solids | 38     | mg/L     | ALS |
| L1948077-32   | BG01-DS   | 23-Jun-17    | Turbidity              | 1.64   | NTU      | ALS |
| L1954185-21   | BG01-DS   | 1-Jul-17     | pH                     | 7.86   | pH units | ALS |
| L1954185-21   | BG01-DS   | 1-Jul-17     | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954185-21   | BG01-DS   | 1-Jul-17     | Total Dissolved Solids | 29     | mg/L     | ALS |
| L1954185-21   | BG01-DS   | 1-Jul-17     | Turbidity              | 0.65   | NTU      | ALS |
| L1933186-38   | BG04-US   | 28-May-17    | pH                     | 7.39   | pH units | ALS |
| L1933186-38   | BG04-US   | 28-May-17    | Total Suspended Solids | 29.6   | mg/L     | ALS |
| L1933186-38   | BG04-US   | 28-May-17    | Total Dissolved Solids | 45     | mg/L     | ALS |
| L1933186-38   | BG04-US   | 28-May-17    | Turbidity              | 46.6   | NTU      | ALS |
| L1936151-10   | BG04-US   | 2-Jun-17     | Total Suspended Solids | 20     | mg/L     | ALS |
| L1936151-10   | BG04-US   | 2-Jun-17     | Total Dissolved Solids | 25     | mg/L     | ALS |
| L1936151-10   | BG04-US   | 2-Jun-17     | Turbidity              | 15.3   | NTU      | ALS |
| L1936151-10   | BG04-US   | 2-Jun-17     | pH                     | 6.81   | pH units | ALS |
| L1940450-9    | BG04-US   | 10-Jun-17    | pH                     | 7.48   | pH units | ALS |
| L1940450-9    | BG04-US   | 10-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1940450-9    | BG04-US   | 10-Jun-17    | Total Dissolved Solids | 33     | mg/L     | ALS |
| L1940450-9    | BG04-US   | 10-Jun-17    | Turbidity              | 2.03   | NTU      | ALS |
| L1943997-22   | BG04-US   | 16-Jun-17    | pH                     | 7.37   | pH units | ALS |

**Table B.2.4 - Water Quality Monitoring for Tote Road Water Crossings**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1943997-22   | BG04-US   | 16-Jun-17    | Total Suspended Solids | 2.4    | mg/L     | ALS |
| L1943997-22   | BG04-US   | 16-Jun-17    | Total Dissolved Solids | 36     | mg/L     | ALS |
| L1943997-22   | BG04-US   | 16-Jun-17    | Turbidity              | 1.06   | NTU      | ALS |
| L1944004-16   | BG04-US   | 17-Jun-17    | pH                     | 7.42   | pH units | ALS |
| L1944004-16   | BG04-US   | 17-Jun-17    | Total Suspended Solids | 9.7    | mg/L     | ALS |
| L1944004-16   | BG04-US   | 17-Jun-17    | Total Dissolved Solids | 29     | mg/L     | ALS |
| L1944004-16   | BG04-US   | 17-Jun-17    | Turbidity              | 1.56   | NTU      | ALS |
| L1948077-39   | BG04-US   | 23-Jun-17    | pH                     | 7.38   | pH units | ALS |
| L1948077-39   | BG04-US   | 23-Jun-17    | Total Suspended Solids | 5.6    | mg/L     | ALS |
| L1948077-39   | BG04-US   | 23-Jun-17    | Total Dissolved Solids | 32     | mg/L     | ALS |
| L1948077-39   | BG04-US   | 23-Jun-17    | Turbidity              | 0.85   | NTU      | ALS |
| L1954185-12   | BG04-US   | 1-Jul-17     | pH                     | 7.79   | pH units | ALS |
| L1954185-12   | BG04-US   | 1-Jul-17     | Total Suspended Solids | <2     | mg/L     | ALS |
| L1954185-12   | BG04-US   | 1-Jul-17     | Total Dissolved Solids | 31     | mg/L     | ALS |
| L1954185-12   | BG04-US   | 1-Jul-17     | Turbidity              | 0.51   | NTU      | ALS |
| L1933186-39   | BG04-DS   | 28-May-17    | pH                     | 7      | pH units | ALS |
| L1933186-39   | BG04-DS   | 28-May-17    | Total Suspended Solids | 27.6   | mg/L     | ALS |
| L1933186-39   | BG04-DS   | 28-May-17    | Total Dissolved Solids | 45     | mg/L     | ALS |
| L1933186-39   | BG04-DS   | 28-May-17    | Turbidity              | 45     | NTU      | ALS |
| L1936151-9    | BG04-DS   | 2-Jun-17     | pH                     | 6.95   | mg/L     | ALS |
| L1936151-9    | BG04-DS   | 2-Jun-17     | Total Suspended Solids | 195    | mg/L     | ALS |
| L1936151-9    | BG04-DS   | 2-Jun-17     | Total Dissolved Solids | 30     | NTU      | ALS |
| L1936151-9    | BG04-DS   | 2-Jun-17     | Turbidity              | 51.7   | pH units | ALS |
| L1940450-8    | BG04-DS   | 10-Jun-17    | pH                     | 7.46   | pH units | ALS |
| L1940450-8    | BG04-DS   | 10-Jun-17    | Total Suspended Solids | 7.4    | mg/L     | ALS |
| L1940450-8    | BG04-DS   | 10-Jun-17    | Total Dissolved Solids | 32     | mg/L     | ALS |
| L1940450-8    | BG04-DS   | 10-Jun-17    | Turbidity              | 6.6    | NTU      | ALS |
| L1943997-21   | BG04-DS   | 16-Jun-17    | pH                     | 7.46   | pH units | ALS |
| L1943997-21   | BG04-DS   | 16-Jun-17    | Total Suspended Solids | 3.5    | mg/L     | ALS |
| L1943997-21   | BG04-DS   | 16-Jun-17    | Total Dissolved Solids | 42     | mg/L     | ALS |
| L1943997-21   | BG04-DS   | 16-Jun-17    | Turbidity              | 1.24   | NTU      | ALS |
| L1944004-15   | BG04-DS   | 17-Jun-17    | pH                     | 7.41   | pH units | ALS |
| L1944004-15   | BG04-DS   | 17-Jun-17    | Total Suspended Solids | 2.7    | mg/L     | ALS |
| L1944004-15   | BG04-DS   | 17-Jun-17    | Total Dissolved Solids | 34     | mg/L     | ALS |
| L1944004-15   | BG04-DS   | 17-Jun-17    | Turbidity              | 1.6    | NTU      | ALS |
| L1948077-38   | BG04-DS   | 23-Jun-17    | pH                     | 7.36   | pH units | ALS |
| L1948077-38   | BG04-DS   | 23-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-38   | BG04-DS   | 23-Jun-17    | Total Dissolved Solids | 36     | mg/L     | ALS |
| L1948077-38   | BG04-DS   | 23-Jun-17    | Turbidity              | 0.91   | NTU      | ALS |
| L1954185-11   | BG04-DS   | 1-Jul-17     | pH                     | 7.79   | pH units | ALS |
| L1954185-11   | BG04-DS   | 1-Jul-17     | Total Suspended Solids | 2.5    | mg/L     | ALS |
| L1954185-11   | BG04-DS   | 1-Jul-17     | Total Dissolved Solids | 33     | mg/L     | ALS |
| L1954185-11   | BG04-DS   | 1-Jul-17     | Turbidity              | 0.62   | NTU      | ALS |
| L1930251-5    | BG17-US   | 23-May-17    | pH                     | 7.74   | pH units | ALS |
| L1930251-5    | BG17-US   | 23-May-17    | Total Suspended Solids | 142    | mg/L     | ALS |
| L1930251-5    | BG17-US   | 23-May-17    | Total Dissolved Solids | 85     | mg/L     | ALS |
| L1930251-5    | BG17-US   | 23-May-17    | Turbidity              | 221    | NTU      | ALS |
| L1933186-36   | BG17-US   | 28-May-17    | pH                     | 7.39   | pH units | ALS |
| L1933186-36   | BG17-US   | 28-May-17    | Total Suspended Solids | 68.5   | mg/L     | ALS |
| L1933186-36   | BG17-US   | 28-May-17    | Total Dissolved Solids | 75     | mg/L     | ALS |
| L1933186-36   | BG17-US   | 28-May-17    | Turbidity              | 93.3   | NTU      | ALS |
| L1937803-4    | BG17-US   | 4-Jun-17     | pH                     | 7.54   | pH units | ALS |
| L1937803-4    | BG17-US   | 4-Jun-17     | Total Suspended Solids | 6.4    | mg/L     | ALS |
| L1937803-4    | BG17-US   | 4-Jun-17     | Total Dissolved Solids | 41     | mg/L     | ALS |
| L1937803-4    | BG17-US   | 4-Jun-17     | Turbidity              | 8.2    | NTU      | ALS |
| L1940450-22   | BG17-US   | 10-Jun-17    | pH                     | 7.77   | pH units | ALS |
| L1940450-22   | BG17-US   | 10-Jun-17    | Total Suspended Solids | 6.8    | mg/L     | ALS |
| L1940450-22   | BG17-US   | 10-Jun-17    | Total Dissolved Solids | 26     | mg/L     | ALS |
| L1940450-22   | BG17-US   | 10-Jun-17    | Turbidity              | 11.3   | NTU      | ALS |
| L1943997-30   | BG17-US   | 17-Jun-17    | pH                     | 7.47   | pH units | ALS |
| L1943997-30   | BG17-US   | 17-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1943997-30   | BG17-US   | 17-Jun-17    | Total Dissolved Solids | 57     | mg/L     | ALS |
| L1943997-30   | BG17-US   | 17-Jun-17    | Turbidity              | 2.93   | NTU      | ALS |
| L1948077-41   | BG17-US   | 23-Jun-17    | pH                     | 7.52   | pH units | ALS |

Table B.2.4 - Water Quality Monitoring for Tote Road Water Crossings

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1948077-41   | BG17-US   | 23-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-41   | BG17-US   | 23-Jun-17    | Total Dissolved Solids | 53     | mg/L     | ALS |
| L1948077-41   | BG17-US   | 23-Jun-17    | Turbidity              | 2.56   | NTU      | ALS |
| L1954185-10   | BG17-US   | 1-Jul-17     | pH                     | 7.9    | pH units | ALS |
| L1954185-10   | BG17-US   | 1-Jul-17     | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954185-10   | BG17-US   | 1-Jul-17     | Total Dissolved Solids | 56     | mg/L     | ALS |
| L1954185-10   | BG17-US   | 1-Jul-17     | Turbidity              | 1.63   | NTU      | ALS |
| L1930251-6    | BG17-DS   | 23-May-17    | pH                     | 7.64   | pH units | ALS |
| L1930251-6    | BG17-DS   | 23-May-17    | Total Suspended Solids | 245    | mg/L     | ALS |
| L1930251-6    | BG17-DS   | 23-May-17    | Total Dissolved Solids | 80     | mg/L     | ALS |
| L1930251-6    | BG17-DS   | 23-May-17    | Turbidity              | 236    | NTU      | ALS |
| L1933186-37   | BG17-DS   | 28-May-17    | pH                     | 7.38   | pH units | ALS |
| L1933186-37   | BG17-DS   | 28-May-17    | Total Suspended Solids | 65     | mg/L     | ALS |
| L1933186-37   | BG17-DS   | 28-May-17    | Total Dissolved Solids | 90     | mg/L     | ALS |
| L1933186-37   | BG17-DS   | 28-May-17    | Turbidity              | 85.9   | NTU      | ALS |
| L1954185-10   | BG17-DS   | 1-Jul-17     | pH                     | 7.9    | pH units | ALS |
| L1954185-10   | BG17-DS   | 1-Jul-17     | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954185-10   | BG17-DS   | 1-Jul-17     | Total Dissolved Solids | 56     | mg/L     | ALS |
| L1954185-10   | BG17-DS   | 1-Jul-17     | Turbidity              | 1.63   | NTU      | ALS |
| L1937803-11   | BG17-DS   | 4-Jun-17     | pH                     | 7.65   | pH units | ALS |
| L1937803-11   | BG17-DS   | 4-Jun-17     | Total Suspended Solids | 12.1   | mg/L     | ALS |
| L1937803-11   | BG17-DS   | 4-Jun-17     | Total Dissolved Solids | 43     | mg/L     | ALS |
| L1937803-11   | BG17-DS   | 4-Jun-17     | Turbidity              | 9.45   | NTU      | ALS |
| L1940450-21   | BG17-DS   | 10-Jun-17    | pH                     | 7.78   | pH units | ALS |
| L1940450-21   | BG17-DS   | 10-Jun-17    | Total Suspended Solids | 4.7    | mg/L     | ALS |
| L1940450-21   | BG17-DS   | 10-Jun-17    | Total Dissolved Solids | 39     | mg/L     | ALS |
| L1940450-21   | BG17-DS   | 10-Jun-17    | Turbidity              | 10.8   | NTU      | ALS |
| L1943997-29   | BG17-DS   | 17-Jun-17    | pH                     | 7.51   | pH units | ALS |
| L1943997-29   | BG17-DS   | 17-Jun-17    | Total Suspended Solids | 3.9    | mg/L     | ALS |
| L1943997-29   | BG17-DS   | 17-Jun-17    | Total Dissolved Solids | 47     | mg/L     | ALS |
| L1943997-29   | BG17-DS   | 17-Jun-17    | Turbidity              | 3.19   | NTU      | ALS |
| L1948077-40   | BG17-DS   | 23-Jun-17    | pH                     | 7.49   | pH units | ALS |
| L1948077-40   | BG17-DS   | 23-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-40   | BG17-DS   | 23-Jun-17    | Total Dissolved Solids | 54     | mg/L     | ALS |
| L1948077-40   | BG17-DS   | 23-Jun-17    | Turbidity              | 2.44   | NTU      | ALS |
| L1954185-9    | BG17-DS   | 1-Jul-17     | pH                     | 7.9    | pH units | ALS |
| L1954185-9    | BG17-DS   | 1-Jul-17     | Total Suspended Solids | 3      | mg/L     | ALS |
| L1954185-9    | BG17-DS   | 1-Jul-17     | Total Dissolved Solids | 46     | mg/L     | ALS |
| L1954185-9    | BG17-DS   | 1-Jul-17     | Turbidity              | 3.87   | NTU      | ALS |
| L1929467-1    | BG24-US   | 19-May-17    | pH                     | 7.9    | pH units | ALS |
| L1929467-1    | BG24-US   | 19-May-17    | Total Suspended Solids | 29.2   | mg/L     | ALS |
| L1929467-1    | BG24-US   | 19-May-17    | Total Dissolved Solids | 85     | mg/L     | ALS |
| L1929467-1    | BG24-US   | 19-May-17    | Turbidity              | 56.5   | NTU      | ALS |
| L1933186-34   | BG24-US   | 28-May-17    | pH                     | 7.7    | pH units | ALS |
| L1933186-34   | BG24-US   | 28-May-17    | Total Suspended Solids | 54.4   | mg/L     | ALS |
| L1933186-34   | BG24-US   | 28-May-17    | Total Dissolved Solids | 60     | mg/L     | ALS |
| L1933186-34   | BG24-US   | 28-May-17    | Turbidity              | 68     | NTU      | ALS |
| L1937803-1    | BG24-US   | 4-Jun-17     | pH                     | 7.59   | pH units | ALS |
| L1937803-1    | BG24-US   | 4-Jun-17     | Total Suspended Solids | 28.8   | mg/L     | ALS |
| L1937803-1    | BG24-US   | 4-Jun-17     | Total Dissolved Solids | 35     | mg/L     | ALS |
| L1937803-1    | BG24-US   | 4-Jun-17     | Turbidity              | 37.3   | NTU      | ALS |
| L1940450-11   | BG24-US   | 10-Jun-17    | pH                     | 7.7    | pH units | ALS |
| L1940450-11   | BG24-US   | 10-Jun-17    | Total Suspended Solids | 22.6   | mg/L     | ALS |
| L1940450-11   | BG24-US   | 10-Jun-17    | Total Dissolved Solids | 25     | mg/L     | ALS |
| L1940450-11   | BG24-US   | 10-Jun-17    | Turbidity              | 16     | NTU      | ALS |
| L1948004-7    | BG24-US   | 20-Jun-17    | pH                     | 7.45   | pH units | ALS |
| L1948004-7    | BG24-US   | 20-Jun-17    | Total Suspended Solids | 5.4    | mg/L     | ALS |
| L1948004-7    | BG24-US   | 20-Jun-17    | Total Dissolved Solids | 25     | mg/L     | ALS |
| L1948004-7    | BG24-US   | 20-Jun-17    | Turbidity              | 2.1    | NTU      | ALS |
| L1948077-73   | BG24-US   | 24-Jun-17    | pH                     | 7.54   | pH units | ALS |
| L1948077-73   | BG24-US   | 24-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-73   | BG24-US   | 24-Jun-17    | Total Dissolved Solids | 17     | mg/L     | ALS |
| L1948077-73   | BG24-US   | 24-Jun-17    | Turbidity              | 1.14   | NTU      | ALS |
| L1954107-2    | BG24-US   | 29-Jun-17    | pH                     | 7.9    | pH units | ALS |

**Table B.2.4 - Water Quality Monitoring for Tote Road Water Crossings**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1954107-2    | BG24-US   | 29-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1954107-2    | BG24-US   | 29-Jun-17    | Total Dissolved Solids | 42     | mg/L     | ALS |
| L1954107-2    | BG24-US   | 29-Jun-17    | Turbidity              | 0.49   | NTU      | ALS |
| L1954185-8    | BG24-US   | 1-Jul-17     | pH                     | 7.96   | pH units | ALS |
| L1954185-8    | BG24-US   | 1-Jul-17     | Total Suspended Solids | 2      | mg/L     | ALS |
| L1954185-8    | BG24-US   | 1-Jul-17     | Total Dissolved Solids | 42     | mg/L     | ALS |
| L1954185-8    | BG24-US   | 1-Jul-17     | Turbidity              | 0.31   | NTU      | ALS |
| L1933186-35   | BG24-DS   | 28-May-17    | pH                     | 7.62   | pH units | ALS |
| L1933186-35   | BG24-DS   | 28-May-17    | Total Suspended Solids | 61.5   | mg/L     | ALS |
| L1933186-35   | BG24-DS   | 28-May-17    | Total Dissolved Solids | 70     | mg/L     | ALS |
| L1933186-35   | BG24-DS   | 28-May-17    | Turbidity              | 69.2   | NTU      | ALS |
| L1937803-6    | BG24-DS   | 4-Jun-17     | pH                     | 7.5    | pH units | ALS |
| L1937803-6    | BG24-DS   | 4-Jun-17     | Total Suspended Solids | 26.2   | mg/L     | ALS |
| L1937803-6    | BG24-DS   | 4-Jun-17     | Total Dissolved Solids | 44     | mg/L     | ALS |
| L1937803-6    | BG24-DS   | 4-Jun-17     | Turbidity              | 40.7   | NTU      | ALS |
| L1937803-12   | BG24-DS   | 4-Jun-17     | pH                     | 7.55   | pH units | ALS |
| L1937803-12   | BG24-DS   | 4-Jun-17     | Total Suspended Solids | 77.6   | mg/L     | ALS |
| L1937803-12   | BG24-DS   | 4-Jun-17     | Total Dissolved Solids | 69     | mg/L     | ALS |
| L1937803-12   | BG24-DS   | 4-Jun-17     | Turbidity              | 170    | NTU      | ALS |
| L1940450-10   | BG24-DS   | 10-Jun-17    | pH                     | 7.63   | pH units | ALS |
| L1940450-10   | BG24-DS   | 10-Jun-17    | Total Suspended Solids | 32.6   | mg/L     | ALS |
| L1940450-10   | BG24-DS   | 10-Jun-17    | Total Dissolved Solids | 42     | mg/L     | ALS |
| L1940450-10   | BG24-DS   | 10-Jun-17    | Turbidity              | 38     | NTU      | ALS |
| L1948004-8    | BG24-DS   | 20-Jun-17    | pH                     | 7.44   | pH units | ALS |
| L1948004-8    | BG24-DS   | 20-Jun-17    | Total Suspended Solids | 5.3    | mg/L     | ALS |
| L1948004-8    | BG24-DS   | 20-Jun-17    | Total Dissolved Solids | 21     | mg/L     | ALS |
| L1948004-8    | BG24-DS   | 20-Jun-17    | Turbidity              | 1.64   | NTU      | ALS |
| L1948077-72   | BG24-DS   | 24-Jun-17    | pH                     | 7.58   | pH units | ALS |
| L1948077-72   | BG24-DS   | 24-Jun-17    | Total Suspended Solids | 3.8    | mg/L     | ALS |
| L1948077-72   | BG24-DS   | 24-Jun-17    | Total Dissolved Solids | 21     | mg/L     | ALS |
| L1948077-72   | BG24-DS   | 24-Jun-17    | Turbidity              | 1.31   | NTU      | ALS |
| L1954107-1    | BG24-DS   | 29-Jun-17    | pH                     | 7.91   | pH units | ALS |
| L1954107-1    | BG24-DS   | 29-Jun-17    | Total Suspended Solids | <2     | mg/L     | ALS |
| L1954107-1    | BG24-DS   | 29-Jun-17    | Total Dissolved Solids | 40     | mg/L     | ALS |
| L1954107-1    | BG24-DS   | 29-Jun-17    | Turbidity              | 0.42   | NTU      | ALS |
| L1954185-7    | BG24-DS   | 1-Jul-17     | pH                     | 7.96   | pH units | ALS |
| L1954185-7    | BG24-DS   | 1-Jul-17     | Total Suspended Solids | 3.1    | mg/L     | ALS |
| L1954185-7    | BG24-DS   | 1-Jul-17     | Total Dissolved Solids | 44     | mg/L     | ALS |
| L1954185-7    | BG24-DS   | 1-Jul-17     | Turbidity              | 0.34   | NTU      | ALS |
| L1930251-3    | BG27-US   | 23-May-17    | pH                     | 8.59   | pH units | ALS |
| L1930251-3    | BG27-US   | 23-May-17    | Total Suspended Solids | 1860   | mg/L     | ALS |
| L1930251-3    | BG27-US   | 23-May-17    | Total Dissolved Solids | 130    | mg/L     | ALS |
| L1930251-3    | BG27-US   | 23-May-17    | Turbidity              | 2810   | NTU      | ALS |
| L1933186-32   | BG27-US   | 28-May-17    | pH                     | 7.52   | pH units | ALS |
| L1933186-32   | BG27-US   | 28-May-17    | Total Suspended Solids | 271    | mg/L     | ALS |
| L1933186-32   | BG27-US   | 28-May-17    | Total Dissolved Solids | 85     | mg/L     | ALS |
| L1933186-32   | BG27-US   | 28-May-17    | Turbidity              | 177    | NTU      | ALS |
| L1937803-2    | BG27-US   | 4-Jun-17     | pH                     | 7.61   | pH units | ALS |
| L1937803-2    | BG27-US   | 4-Jun-17     | Total Suspended Solids | 101    | mg/L     | ALS |
| L1937803-2    | BG27-US   | 4-Jun-17     | Total Dissolved Solids | 51     | mg/L     | ALS |
| L1937803-2    | BG27-US   | 4-Jun-17     | Turbidity              | 78.6   | NTU      | ALS |
| L1940450-13   | BG27-US   | 10-Jun-17    | pH                     | 7.7    | pH units | ALS |
| L1940450-13   | BG27-US   | 10-Jun-17    | Total Suspended Solids | 41.1   | mg/L     | ALS |
| L1940450-13   | BG27-US   | 10-Jun-17    | Total Dissolved Solids | 26     | mg/L     | ALS |
| L1940450-13   | BG27-US   | 10-Jun-17    | Turbidity              | 21.5   | NTU      | ALS |
| L1943997-28   | BG27-US   | 17-Jun-17    | pH                     | 7.71   | pH units | ALS |
| L1943997-28   | BG27-US   | 17-Jun-17    | Total Suspended Solids | 7.9    | mg/L     | ALS |
| L1943997-28   | BG27-US   | 17-Jun-17    | Total Dissolved Solids | 46     | mg/L     | ALS |
| L1943997-28   | BG27-US   | 17-Jun-17    | Turbidity              | 1.34   | NTU      | ALS |
| L1948077-43   | BG27-US   | 23-Jun-17    | pH                     | 7.77   | pH units | ALS |
| L1948077-43   | BG27-US   | 23-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-43   | BG27-US   | 23-Jun-17    | Total Dissolved Solids | 43     | mg/L     | ALS |
| L1948077-43   | BG27-US   | 23-Jun-17    | Turbidity              | 1.93   | NTU      | ALS |
| L1954185-6    | BG27-US   | 1-Jul-17     | pH                     | 7.92   | pH units | ALS |

**Table B.2.4 - Water Quality Monitoring for Tote Road Water Crossings**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1954185-6    | BG27-US   | 1-Jul-17     | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954185-6    | BG27-US   | 1-Jul-17     | Total Dissolved Solids | 41     | mg/L     | ALS |
| L1954185-6    | BG27-US   | 1-Jul-17     | Turbidity              | 1.01   | NTU      | ALS |
| L1930251-4    | BG27-DS   | 23-May-17    | pH                     | 8.36   | pH units | ALS |
| L1930251-4    | BG27-DS   | 23-May-17    | Total Suspended Solids | 765    | mg/L     | ALS |
| L1930251-4    | BG27-DS   | 23-May-17    | Total Dissolved Solids | 85     | mg/L     | ALS |
| L1930251-4    | BG27-DS   | 23-May-17    | Turbidity              | 1540   | NTU      | ALS |
| L1933186-33   | BG27-DS   | 28-May-17    | pH                     | 7.49   | pH units | ALS |
| L1933186-33   | BG27-DS   | 28-May-17    | Total Suspended Solids | 110    | mg/L     | ALS |
| L1933186-33   | BG27-DS   | 28-May-17    | Total Dissolved Solids | 80     | mg/L     | ALS |
| L1933186-33   | BG27-DS   | 28-May-17    | Turbidity              | 132    | NTU      | ALS |
| L1937803-7    | BG27-DS   | 4-Jun-17     | pH                     | 7.5    | pH units | ALS |
| L1937803-7    | BG27-DS   | 4-Jun-17     | Total Suspended Solids | 26.2   | mg/L     | ALS |
| L1937803-7    | BG27-DS   | 4-Jun-17     | Total Dissolved Solids | 44     | mg/L     | ALS |
| L1937803-7    | BG27-DS   | 4-Jun-17     | Turbidity              | 40.7   | NTU      | ALS |
| L1940450-12   | BG27-DS   | 10-Jun-17    | pH                     | 7.74   | pH units | ALS |
| L1940450-12   | BG27-DS   | 10-Jun-17    | Total Suspended Solids | 67.9   | mg/L     | ALS |
| L1940450-12   | BG27-DS   | 10-Jun-17    | Total Dissolved Solids | 40     | mg/L     | ALS |
| L1940450-12   | BG27-DS   | 10-Jun-17    | Turbidity              | 74.7   | NTU      | ALS |
| L1943997-27   | BG27-DS   | 17-Jun-17    | pH                     | 7.69   | pH units | ALS |
| L1943997-27   | BG27-DS   | 17-Jun-17    | Total Suspended Solids | 14.3   | mg/L     | ALS |
| L1943997-27   | BG27-DS   | 17-Jun-17    | Total Dissolved Solids | 44     | mg/L     | ALS |
| L1943997-27   | BG27-DS   | 17-Jun-17    | Turbidity              | 2.43   | NTU      | ALS |
| L1948077-42   | BG27-DS   | 23-Jun-17    | pH                     | 7.7    | pH units | ALS |
| L1948077-42   | BG27-DS   | 23-Jun-17    | Total Suspended Solids | 4.5    | mg/L     | ALS |
| L1948077-42   | BG27-DS   | 23-Jun-17    | Total Dissolved Solids | 49     | mg/L     | ALS |
| L1948077-42   | BG27-DS   | 23-Jun-17    | Turbidity              | 3.31   | NTU      | ALS |
| L1954185-5    | BG27-DS   | 1-Jul-17     | pH                     | 7.79   | pH units | ALS |
| L1954185-5    | BG27-DS   | 1-Jul-17     | Total Suspended Solids | 25.7   | mg/L     | ALS |
| L1954185-5    | BG27-DS   | 1-Jul-17     | Total Dissolved Solids | 40     | mg/L     | ALS |
| L1954185-5    | BG27-DS   | 1-Jul-17     | Turbidity              | 2.24   | NTU      | ALS |
| L1937803-18   | BG29-US   | 4-Jun-17     | Total Suspended Solids | 2.1    | mg/L     | ALS |
| L1937803-18   | BG29-US   | 4-Jun-17     | Total Dissolved Solids | 38     | mg/L     | ALS |
| L1937803-18   | BG29-US   | 4-Jun-17     | Turbidity              | 26.9   | NTU      | ALS |
| L1940450-14   | BG29-US   | 10-Jun-17    | pH                     | 7.65   | pH units | ALS |
| L1940450-14   | BG29-US   | 10-Jun-17    | Total Suspended Solids | 10.3   | mg/L     | ALS |
| L1940450-14   | BG29-US   | 10-Jun-17    | Total Dissolved Solids | 32     | mg/L     | ALS |
| L1940450-14   | BG29-US   | 10-Jun-17    | Turbidity              | 26.1   | NTU      | ALS |
| L1944004-14   | BG29-US   | 17-Jun-17    | pH                     | 7.58   | pH units | ALS |
| L1944004-14   | BG29-US   | 17-Jun-17    | Total Suspended Solids | 7.1    | mg/L     | ALS |
| L1944004-14   | BG29-US   | 17-Jun-17    | Total Dissolved Solids | 34     | mg/L     | ALS |
| L1944004-14   | BG29-US   | 17-Jun-17    | Turbidity              | 7.04   | NTU      | ALS |
| L1948077-45   | BG29-US   | 23-Jun-17    | pH                     | 7.73   | pH units | ALS |
| L1948077-45   | BG29-US   | 23-Jun-17    | Total Suspended Solids | 3.5    | mg/L     | ALS |
| L1948077-45   | BG29-US   | 23-Jun-17    | Total Dissolved Solids | 106    | mg/L     | ALS |
| L1948077-45   | BG29-US   | 23-Jun-17    | Turbidity              | 3.39   | NTU      | ALS |
| L1954185-4    | BG29-US   | 1-Jul-17     | pH                     | 8.09   | pH units | ALS |
| L1954185-4    | BG29-US   | 1-Jul-17     | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954185-4    | BG29-US   | 1-Jul-17     | Total Dissolved Solids | 93     | mg/L     | ALS |
| L1954185-4    | BG29-US   | 1-Jul-17     | Turbidity              | 1.89   | NTU      | ALS |
| L1940450-15   | BG29-DS   | 10-Jun-17    | pH                     | 7.65   | pH units | ALS |
| L1940450-15   | BG29-DS   | 10-Jun-17    | Total Suspended Solids | 6.2    | mg/L     | ALS |
| L1940450-15   | BG29-DS   | 10-Jun-17    | Total Dissolved Solids | 33     | mg/L     | ALS |
| L1940450-15   | BG29-DS   | 10-Jun-17    | Turbidity              | 21.2   | NTU      | ALS |
| L1944004-13   | BG29-DS   | 17-Jun-17    | pH                     | 7.65   | pH units | ALS |
| L1944004-13   | BG29-DS   | 17-Jun-17    | Total Suspended Solids | 12.6   | mg/L     | ALS |
| L1944004-13   | BG29-DS   | 17-Jun-17    | Total Dissolved Solids | 38     | mg/L     | ALS |
| L1944004-13   | BG29-DS   | 17-Jun-17    | Turbidity              | 10.6   | NTU      | ALS |
| L1948077-44   | BG29-DS   | 23-Jun-17    | pH                     | 7.73   | pH units | ALS |
| L1948077-44   | BG29-DS   | 23-Jun-17    | Total Suspended Solids | 3      | mg/L     | ALS |
| L1948077-44   | BG29-DS   | 23-Jun-17    | Total Dissolved Solids | 104    | mg/L     | ALS |
| L1948077-44   | BG29-DS   | 23-Jun-17    | Turbidity              | 3.56   | NTU      | ALS |
| L1954185-3    | BG29-DS   | 1-Jul-17     | pH                     | 8.1    | pH units | ALS |
| L1954185-3    | BG29-DS   | 1-Jul-17     | Total Suspended Solids | 5      | mg/L     | ALS |

**Table B.2.4 - Water Quality Monitoring for Tote Road Water Crossings**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1954185-3    | BG29-DS   | 1-Jul-17     | Total Dissolved Solids | 100    | mg/L     | ALS |
| L1954185-3    | BG29-DS   | 1-Jul-17     | Turbidity              | 5.11   | NTU      | ALS |
| L1929467-3    | BG30-US   | 19-May-17    | pH                     | 7.71   | pH units | ALS |
| L1929467-3    | BG30-US   | 19-May-17    | Total Suspended Solids | 12     | mg/L     | ALS |
| L1929467-3    | BG30-US   | 19-May-17    | Total Dissolved Solids | 100    | mg/L     | ALS |
| L1929467-3    | BG30-US   | 19-May-17    | Turbidity              | 65.2   | NTU      | ALS |
| L1930251-1    | BG30-US   | 23-May-17    | pH                     | 7.92   | pH units | ALS |
| L1930251-1    | BG30-US   | 23-May-17    | Total Suspended Solids | 690    | mg/L     | ALS |
| L1930251-1    | BG30-US   | 23-May-17    | Total Dissolved Solids | 95     | mg/L     | ALS |
| L1930251-1    | BG30-US   | 23-May-17    | Turbidity              | 783    | NTU      | ALS |
| L1933186-5    | BG30-US   | 28-May-17    | pH                     | 7.68   | pH units | ALS |
| L1933186-5    | BG30-US   | 28-May-17    | Total Suspended Solids | 341    | mg/L     | ALS |
| L1933186-5    | BG30-US   | 28-May-17    | Total Dissolved Solids | 80     | mg/L     | ALS |
| L1933186-5    | BG30-US   | 28-May-17    | Turbidity              | 258    | NTU      | ALS |
| L1937803-13   | BG30-US   | 4-Jun-17     | pH                     | 7.47   | pH units | ALS |
| L1937803-13   | BG30-US   | 4-Jun-17     | Total Suspended Solids | 53     | mg/L     | ALS |
| L1937803-13   | BG30-US   | 4-Jun-17     | Total Dissolved Solids | 81     | mg/L     | ALS |
| L1937803-13   | BG30-US   | 4-Jun-17     | Turbidity              | 119    | NTU      | ALS |
| L1943997-26   | BG30-US   | 17-Jun-17    | pH                     | 7.49   | pH units | ALS |
| L1943997-26   | BG30-US   | 17-Jun-17    | Total Suspended Solids | 4.6    | mg/L     | ALS |
| L1943997-26   | BG30-US   | 17-Jun-17    | Total Dissolved Solids | 25     | mg/L     | ALS |
| L1943997-26   | BG30-US   | 17-Jun-17    | Turbidity              | 2.22   | NTU      | ALS |
| L1948077-47   | BG30-US   | 23-Jun-17    | pH                     | 7.67   | pH units | ALS |
| L1948077-47   | BG30-US   | 23-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-47   | BG30-US   | 23-Jun-17    | Total Dissolved Solids | 41     | mg/L     | ALS |
| L1948077-47   | BG30-US   | 23-Jun-17    | Turbidity              | 2.02   | NTU      | ALS |
| L1954185-2    | BG30-US   | 1-Jul-17     | pH                     | 8.1    | pH units | ALS |
| L1954185-2    | BG30-US   | 1-Jul-17     | Total Suspended Solids | 2.5    | mg/L     | ALS |
| L1954185-2    | BG30-US   | 1-Jul-17     | Total Dissolved Solids | 69     | mg/L     | ALS |
| L1954185-2    | BG30-US   | 1-Jul-17     | Turbidity              | 0.91   | NTU      | ALS |
| L1930251-2    | BG30-DS   | 23-May-17    | pH                     | 7.96   | pH units | ALS |
| L1930251-2    | BG30-DS   | 23-May-17    | Total Suspended Solids | 660    | mg/L     | ALS |
| L1930251-2    | BG30-DS   | 23-May-17    | Total Dissolved Solids | 100    | mg/L     | ALS |
| L1930251-2    | BG30-DS   | 23-May-17    | Turbidity              | 816    | NTU      | ALS |
| L1933186-6    | BG30-DS   | 28-May-17    | pH                     | 7.72   | pH units | ALS |
| L1933186-6    | BG30-DS   | 28-May-17    | Total Suspended Solids | 365    | mg/L     | ALS |
| L1933186-6    | BG30-DS   | 28-May-17    | Total Dissolved Solids | 75     | mg/L     | ALS |
| L1933186-6    | BG30-DS   | 28-May-17    | Turbidity              | 318    | NTU      | ALS |
| L1937803-14   | BG30-DS   | 4-Jun-17     | pH                     | 7.47   | pH units | ALS |
| L1937803-14   | BG30-DS   | 4-Jun-17     | Total Suspended Solids | 64.9   | mg/L     | ALS |
| L1937803-14   | BG30-DS   | 4-Jun-17     | Total Dissolved Solids | 76     | mg/L     | ALS |
| L1937803-14   | BG30-DS   | 4-Jun-17     | Turbidity              | 111    | NTU      | ALS |
| L1940450-16   | BG30-DS   | 10-Jun-17    | pH                     | 7.69   | pH units | ALS |
| L1940450-16   | BG30-DS   | 10-Jun-17    | Total Suspended Solids | 26.6   | mg/L     | ALS |
| L1940450-16   | BG30-DS   | 10-Jun-17    | Total Dissolved Solids | 29     | mg/L     | ALS |
| L1940450-16   | BG30-DS   | 10-Jun-17    | Turbidity              | 34.3   | NTU      | ALS |
| L1943997-25   | BG30-DS   | 17-Jun-17    | pH                     | 7.45   | pH units | ALS |
| L1943997-25   | BG30-DS   | 17-Jun-17    | Total Suspended Solids | 8.5    | mg/L     | ALS |
| L1943997-25   | BG30-DS   | 17-Jun-17    | Total Dissolved Solids | 39     | mg/L     | ALS |
| L1943997-25   | BG30-DS   | 17-Jun-17    | Turbidity              | 2.52   | NTU      | ALS |
| L1948077-46   | BG30-DS   | 23-Jun-17    | pH                     | 7.67   | pH units | ALS |
| L1948077-46   | BG30-DS   | 23-Jun-17    | Total Suspended Solids | 4.1    | mg/L     | ALS |
| L1948077-46   | BG30-DS   | 23-Jun-17    | Total Dissolved Solids | 32     | mg/L     | ALS |
| L1948077-46   | BG30-DS   | 23-Jun-17    | Turbidity              | 2.83   | NTU      | ALS |
| L1954185-1    | BG30-DS   | 1-Jul-17     | pH                     | 8.11   | pH units | ALS |
| L1954185-1    | BG30-DS   | 1-Jul-17     | Total Suspended Solids | 3.4    | mg/L     | ALS |
| L1954185-1    | BG30-DS   | 1-Jul-17     | Total Dissolved Solids | 73     | mg/L     | ALS |
| L1954185-1    | BG30-DS   | 1-Jul-17     | Turbidity              | 3.88   | NTU      | ALS |
| L1933186-3    | BG32-US   | 28-May-17    | pH                     | 7.76   | pH units | ALS |
| L1933186-3    | BG32-US   | 28-May-17    | Total Suspended Solids | 240    | mg/L     | ALS |
| L1933186-3    | BG32-US   | 28-May-17    | Total Dissolved Solids | <20    | mg/L     | ALS |
| L1933186-3    | BG32-US   | 28-May-17    | Turbidity              | 81.8   | NTU      | ALS |
| L1937803-17   | BG32-US   | 4-Jun-17     | Total Suspended Solids | 3.6    | mg/L     | ALS |
| L1937803-17   | BG32-US   | 4-Jun-17     | Total Dissolved Solids | 46     | mg/L     | ALS |

**Table B.2.4 - Water Quality Monitoring for Tote Road Water Crossings**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1937803-17   | BG32-US   | 4-Jun-17     | Turbidity              | 7.07   | NTU      | ALS |
| L1940450-20   | BG32-US   | 10-Jun-17    | pH                     | 7.74   | pH units | ALS |
| L1940450-20   | BG32-US   | 10-Jun-17    | Total Suspended Solids | 3.8    | mg/L     | ALS |
| L1940450-20   | BG32-US   | 10-Jun-17    | Total Dissolved Solids | 490    | mg/L     | ALS |
| L1940450-20   | BG32-US   | 10-Jun-17    | Turbidity              | 2.42   | NTU      | ALS |
| L1943997-24   | BG32-US   | 17-Jun-17    | pH                     | 7.5    | pH units | ALS |
| L1943997-24   | BG32-US   | 17-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1943997-24   | BG32-US   | 17-Jun-17    | Total Dissolved Solids | 34     | mg/L     | ALS |
| L1943997-24   | BG32-US   | 17-Jun-17    | Turbidity              | 1.14   | NTU      | ALS |
| L1948077-71   | BG32-US   | 24-Jun-17    | pH                     | 7.71   | pH units | ALS |
| L1948077-71   | BG32-US   | 24-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-71   | BG32-US   | 24-Jun-17    | Total Dissolved Solids | 64     | mg/L     | ALS |
| L1948077-71   | BG32-US   | 24-Jun-17    | Turbidity              | 1.28   | NTU      | ALS |
| L1954099-30   | BG32-US   | 1-Jul-17     | pH                     | 8.04   | pH units | ALS |
| L1954099-30   | BG32-US   | 1-Jul-17     | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954099-30   | BG32-US   | 1-Jul-17     | Total Dissolved Solids | 86     | mg/L     | ALS |
| L1954099-30   | BG32-US   | 1-Jul-17     | Turbidity              | 1.12   | NTU      | ALS |
| L1933186-2    | BG32-DS   | 28-May-17    | pH                     | 7.56   | pH units | ALS |
| L1933186-2    | BG32-DS   | 28-May-17    | Total Suspended Solids | 136    | mg/L     | ALS |
| L1933186-2    | BG32-DS   | 28-May-17    | Total Dissolved Solids | 20     | mg/L     | ALS |
| L1933186-2    | BG32-DS   | 28-May-17    | Turbidity              | 61.1   | NTU      | ALS |
| L1937803-5    | BG32-DS   | 4-Jun-17     | pH                     | 7.55   | pH units | ALS |
| L1937803-5    | BG32-DS   | 4-Jun-17     | Total Suspended Solids | 27     | mg/L     | ALS |
| L1937803-5    | BG32-DS   | 4-Jun-17     | Total Dissolved Solids | 32     | mg/L     | ALS |
| L1937803-5    | BG32-DS   | 4-Jun-17     | Turbidity              | 34.1   | NTU      | ALS |
| L1940450-19   | BG32-DS   | 10-Jun-17    | pH                     | 7.67   | pH units | ALS |
| L1940450-19   | BG32-DS   | 10-Jun-17    | Total Suspended Solids | 28.4   | mg/L     | ALS |
| L1940450-19   | BG32-DS   | 10-Jun-17    | Total Dissolved Solids | 412    | mg/L     | ALS |
| L1940450-19   | BG32-DS   | 10-Jun-17    | Turbidity              | 10.1   | NTU      | ALS |
| L1943997-23   | BG32-DS   | 17-Jun-17    | pH                     | 7.48   | pH units | ALS |
| L1943997-23   | BG32-DS   | 17-Jun-17    | Total Suspended Solids | 23.8   | mg/L     | ALS |
| L1943997-23   | BG32-DS   | 17-Jun-17    | Total Dissolved Solids | 49     | mg/L     | ALS |
| L1943997-23   | BG32-DS   | 17-Jun-17    | Turbidity              | 1.44   | NTU      | ALS |
| L1948077-70   | BG32-DS   | 24-Jun-17    | pH                     | 7.76   | pH units | ALS |
| L1948077-70   | BG32-DS   | 24-Jun-17    | Total Suspended Solids | 3.3    | mg/L     | ALS |
| L1948077-70   | BG32-DS   | 24-Jun-17    | Total Dissolved Solids | 61     | mg/L     | ALS |
| L1948077-70   | BG32-DS   | 24-Jun-17    | Turbidity              | 1.17   | NTU      | ALS |
| L1954099-29   | BG32-DS   | 1-Jul-17     | pH                     | 7.91   | pH units | ALS |
| L1954099-29   | BG32-DS   | 1-Jul-17     | Total Suspended Solids | 2.3    | mg/L     | ALS |
| L1954099-29   | BG32-DS   | 1-Jul-17     | Total Dissolved Solids | 88     | mg/L     | ALS |
| L1954099-29   | BG32-DS   | 1-Jul-17     | Turbidity              | 1.19   | NTU      | ALS |
| L1944004-4    | BG50-US   | 17-Jun-17    | pH                     | 7.77   | pH units | ALS |
| L1944004-4    | BG50-US   | 17-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1944004-4    | BG50-US   | 17-Jun-17    | Total Dissolved Solids | 60     | mg/L     | ALS |
| L1944004-4    | BG50-US   | 17-Jun-17    | Turbidity              | 0.59   | NTU      | ALS |
| L1948077-65   | BG50-US   | 24-Jun-17    | pH                     | 7.73   | pH units | ALS |
| L1948077-65   | BG50-US   | 24-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-65   | BG50-US   | 24-Jun-17    | Total Dissolved Solids | 53     | mg/L     | ALS |
| L1948077-65   | BG50-US   | 24-Jun-17    | Turbidity              | 0.72   | NTU      | ALS |
| L1953932-2    | BG50-US   | 29-Jun-17    | pH                     | 7.93   | pH units | ALS |
| L1953932-2    | BG50-US   | 29-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1953932-2    | BG50-US   | 29-Jun-17    | Total Dissolved Solids | 76     | mg/L     | ALS |
| L1953932-2    | BG50-US   | 29-Jun-17    | Turbidity              | 0.33   | NTU      | ALS |
| L1953941-2    | BG50-US   | 29-Jun-17    | pH                     | 7.94   | pH units | ALS |
| L1953941-2    | BG50-US   | 29-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1953941-2    | BG50-US   | 29-Jun-17    | Total Dissolved Solids | 66     | mg/L     | ALS |
| L1953941-2    | BG50-US   | 29-Jun-17    | Turbidity              | 0.44   | NTU      | ALS |
| L1944004-3    | BG50-DS   | 17-Jun-17    | pH                     | 7.78   | pH units | ALS |
| L1944004-3    | BG50-DS   | 17-Jun-17    | Total Suspended Solids | 27     | mg/L     | ALS |
| L1944004-3    | BG50-DS   | 17-Jun-17    | Total Dissolved Solids | 69     | mg/L     | ALS |
| L1944004-3    | BG50-DS   | 17-Jun-17    | Turbidity              | 10.5   | NTU      | ALS |
| L1948077-64   | BG50-DS   | 24-Jun-17    | pH                     | 7.74   | pH units | ALS |
| L1948077-64   | BG50-DS   | 24-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-64   | BG50-DS   | 24-Jun-17    | Total Dissolved Solids | 56     | mg/L     | ALS |

**Table B.2.4 - Water Quality Monitoring for Tote Road Water Crossings**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1948077-64   | BG50-DS   | 24-Jun-17    | Turbidity              | 0.83   | NTU      | ALS |
| L1953932-1    | BG50-DS   | 29-Jun-17    | pH                     | 7.95   | pH units | ALS |
| L1953932-1    | BG50-DS   | 29-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1953932-1    | BG50-DS   | 29-Jun-17    | Total Dissolved Solids | 75     | mg/L     | ALS |
| L1953932-1    | BG50-DS   | 29-Jun-17    | Turbidity              | 0.82   | NTU      | ALS |
| L1953941-1    | BG50-DS   | 29-Jun-17    | pH                     | 7.92   | pH units | ALS |
| L1953941-1    | BG50-DS   | 29-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1953941-1    | BG50-DS   | 29-Jun-17    | Total Dissolved Solids | 66     | mg/L     | ALS |
| L1953941-1    | BG50-DS   | 29-Jun-17    | Turbidity              | 0.72   | NTU      | ALS |
| L1930251-7    | CV001-US  | 23-May-17    | pH                     | 7.35   | pH units | ALS |
| L1930251-7    | CV001-US  | 23-May-17    | Total Suspended Solids | 118    | mg/L     | ALS |
| L1930251-7    | CV001-US  | 23-May-17    | Total Dissolved Solids | 55     | mg/L     | ALS |
| L1930251-7    | CV001-US  | 23-May-17    | Turbidity              | 156    | NTU      | ALS |
| L1933186-40   | CV001-US  | 28-May-17    | pH                     | 7.03   | pH units | ALS |
| L1933186-40   | CV001-US  | 28-May-17    | Total Suspended Solids | 14     | mg/L     | ALS |
| L1933186-40   | CV001-US  | 28-May-17    | Total Dissolved Solids | 25     | mg/L     | ALS |
| L1933186-40   | CV001-US  | 28-May-17    | Turbidity              | 19.1   | NTU      | ALS |
| L1940450-7    | CV001-US  | 10-Jun-17    | pH                     | 7.5    | pH units | ALS |
| L1940450-7    | CV001-US  | 10-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1940450-7    | CV001-US  | 10-Jun-17    | Total Dissolved Solids | 25     | mg/L     | ALS |
| L1940450-7    | CV001-US  | 10-Jun-17    | Turbidity              | 2.38   | NTU      | ALS |
| L1948077-75   | CV001-US  | 24-Jun-17    | pH                     | 7.55   | pH units | ALS |
| L1948077-75   | CV001-US  | 24-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-75   | CV001-US  | 24-Jun-17    | Total Dissolved Solids | 45     | mg/L     | ALS |
| L1948077-75   | CV001-US  | 24-Jun-17    | Turbidity              | 0.63   | NTU      | ALS |
| L1954185-14   | CV001-US  | 1-Jul-17     | pH                     | 7.91   | pH units | ALS |
| L1954185-14   | CV001-US  | 1-Jul-17     | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954185-14   | CV001-US  | 1-Jul-17     | Total Dissolved Solids | 53     | mg/L     | ALS |
| L1954185-14   | CV001-US  | 1-Jul-17     | Turbidity              | 1.24   | NTU      | ALS |
| L1930251-8    | CV001-DS  | 23-May-17    | pH                     | 7.36   | pH units | ALS |
| L1930251-8    | CV001-DS  | 23-May-17    | Total Suspended Solids | 144    | mg/L     | ALS |
| L1930251-8    | CV001-DS  | 23-May-17    | Total Dissolved Solids | 53     | mg/L     | ALS |
| L1930251-8    | CV001-DS  | 23-May-17    | Turbidity              | 164    | NTU      | ALS |
| L1933186-41   | CV001-DS  | 28-May-17    | pH                     | 6.99   | pH units | ALS |
| L1933186-41   | CV001-DS  | 28-May-17    | Total Suspended Solids | 11.6   | mg/L     | ALS |
| L1933186-41   | CV001-DS  | 28-May-17    | Total Dissolved Solids | 30     | mg/L     | ALS |
| L1933186-41   | CV001-DS  | 28-May-17    | Turbidity              | 18.6   | NTU      | ALS |
| L1940450-6    | CV001-DS  | 10-Jun-17    | pH                     | 7.49   | pH units | ALS |
| L1940450-6    | CV001-DS  | 10-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1940450-6    | CV001-DS  | 10-Jun-17    | Total Dissolved Solids | 27     | mg/L     | ALS |
| L1940450-6    | CV001-DS  | 10-Jun-17    | Turbidity              | 3.52   | NTU      | ALS |
| L1943997-31   | CV001-DS  | 17-Jun-17    | pH                     | 7.31   | pH units | ALS |
| L1943997-31   | CV001-DS  | 17-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1943997-31   | CV001-DS  | 17-Jun-17    | Total Dissolved Solids | 36     | mg/L     | ALS |
| L1943997-31   | CV001-DS  | 17-Jun-17    | Turbidity              | 1.18   | NTU      | ALS |
| L1948077-74   | CV001-DS  | 24-Jun-17    | pH                     | 7.71   | pH units | ALS |
| L1948077-74   | CV001-DS  | 24-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-74   | CV001-DS  | 24-Jun-17    | Total Dissolved Solids | 45     | mg/L     | ALS |
| L1948077-74   | CV001-DS  | 24-Jun-17    | Turbidity              | 0.7    | NTU      | ALS |
| L1954185-13   | CV001-DS  | 1-Jul-17     | pH                     | 7.91   | pH units | ALS |
| L1954185-13   | CV001-DS  | 1-Jul-17     | Total Suspended Solids | 3.5    | mg/L     | ALS |
| L1954185-13   | CV001-DS  | 1-Jul-17     | Total Dissolved Solids | 62     | mg/L     | ALS |
| L1954185-13   | CV001-DS  | 1-Jul-17     | Turbidity              | 1.97   | NTU      | ALS |
| L1937803-19   | CV030-US  | 4-Jun-17     | Total Suspended Solids | 9      | mg/L     | ALS |
| L1937803-19   | CV030-US  | 4-Jun-17     | Total Dissolved Solids | <10    | mg/L     | ALS |
| L1937803-19   | CV030-US  | 4-Jun-17     | Turbidity              | 12     | NTU      | ALS |
| L1940472-2    | CV030-US  | 11-Jun-17    | pH                     | 7.65   | pH units | ALS |
| L1940472-2    | CV030-US  | 11-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1940472-2    | CV030-US  | 11-Jun-17    | Total Dissolved Solids | 43     | mg/L     | ALS |
| L1940472-2    | CV030-US  | 11-Jun-17    | Turbidity              | 1.27   | NTU      | ALS |
| L1944004-8    | CV030-US  | 17-Jun-17    | pH                     | 7.55   | pH units | ALS |
| L1944004-8    | CV030-US  | 17-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1944004-8    | CV030-US  | 17-Jun-17    | Total Dissolved Solids | 79     | mg/L     | ALS |
| L1944004-8    | CV030-US  | 17-Jun-17    | Turbidity              | 0.44   | NTU      | ALS |

**Table B.2.4 - Water Quality Monitoring for Tote Road Water Crossings**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1948077-69   | CV030-US  | 24-Jun-17    | pH                     | 7.94   | pH units | ALS |
| L1948077-69   | CV030-US  | 24-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-69   | CV030-US  | 24-Jun-17    | Total Dissolved Solids | 138    | mg/L     | ALS |
| L1948077-69   | CV030-US  | 24-Jun-17    | Turbidity              | 0.37   | NTU      | ALS |
| L1954099-26   | CV030-US  | 1-Jul-17     | pH                     | 8.11   | pH units | ALS |
| L1954099-26   | CV030-US  | 1-Jul-17     | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954099-26   | CV030-US  | 1-Jul-17     | Total Dissolved Solids | 136    | mg/L     | ALS |
| L1954099-26   | CV030-US  | 1-Jul-17     | Turbidity              | 0.24   | NTU      | ALS |
| L1937803-9    | CV030-DS  | 4-Jun-17     | pH                     | 7.47   | pH units | ALS |
| L1937803-9    | CV030-DS  | 4-Jun-17     | Total Suspended Solids | 11.6   | mg/L     | ALS |
| L1937803-9    | CV030-DS  | 4-Jun-17     | Total Dissolved Solids | 19     | mg/L     | ALS |
| L1937803-9    | CV030-DS  | 4-Jun-17     | Turbidity              | 19.6   | NTU      | ALS |
| L1940472-1    | CV030-DS  | 11-Jun-17    | pH                     | 7.64   | pH units | ALS |
| L1940472-1    | CV030-DS  | 11-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1940472-1    | CV030-DS  | 11-Jun-17    | Total Dissolved Solids | 39     | mg/L     | ALS |
| L1940472-1    | CV030-DS  | 11-Jun-17    | Turbidity              | 2.03   | NTU      | ALS |
| L1944004-7    | CV030-DS  | 17-Jun-17    | pH                     | 7.62   | pH units | ALS |
| L1944004-7    | CV030-DS  | 17-Jun-17    | Total Suspended Solids | 2.9    | mg/L     | ALS |
| L1944004-7    | CV030-DS  | 17-Jun-17    | Total Dissolved Solids | 84     | mg/L     | ALS |
| L1944004-7    | CV030-DS  | 17-Jun-17    | Turbidity              | 1.5    | NTU      | ALS |
| L1948077-68   | CV030-DS  | 24-Jun-17    | pH                     | 7.8    | pH units | ALS |
| L1948077-68   | CV030-DS  | 24-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-68   | CV030-DS  | 24-Jun-17    | Total Dissolved Solids | 131    | mg/L     | ALS |
| L1948077-68   | CV030-DS  | 24-Jun-17    | Turbidity              | 0.43   | NTU      | ALS |
| L1954099-25   | CV030-DS  | 1-Jul-17     | pH                     | 8.15   | pH units | ALS |
| L1954099-25   | CV030-DS  | 1-Jul-17     | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954099-25   | CV030-DS  | 1-Jul-17     | Total Dissolved Solids | 135    | mg/L     | ALS |
| L1954099-25   | CV030-DS  | 1-Jul-17     | Turbidity              | 0.63   | NTU      | ALS |
| L1954107-6    | CV040-US  | 29-Jun-17    | pH                     | 7.73   | pH units | ALS |
| L1954107-6    | CV040-US  | 29-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954107-6    | CV040-US  | 29-Jun-17    | Total Dissolved Solids | 44     | mg/L     | ALS |
| L1954107-6    | CV040-US  | 29-Jun-17    | Turbidity              | 0.77   | NTU      | ALS |
| L1954107-5    | CV040-DS  | 29-Jun-17    | pH                     | 7.75   | pH units | ALS |
| L1954107-5    | CV040-DS  | 29-Jun-17    | Total Suspended Solids | 5.1    | mg/L     | ALS |
| L1954107-5    | CV040-DS  | 29-Jun-17    | Total Dissolved Solids | 46     | mg/L     | ALS |
| L1954107-5    | CV040-DS  | 29-Jun-17    | Turbidity              | 0.71   | NTU      | ALS |
| L1940472-4    | CV049-US  | 11-Jun-17    | pH                     | 7.92   | pH units | ALS |
| L1940472-4    | CV049-US  | 11-Jun-17    | Total Suspended Solids | 2.7    | mg/L     | ALS |
| L1940472-4    | CV049-US  | 11-Jun-17    | Total Dissolved Solids | 51     | mg/L     | ALS |
| L1940472-4    | CV049-US  | 11-Jun-17    | Turbidity              | 7.54   | NTU      | ALS |
| L1944004-6    | CV049-US  | 17-Jun-17    | pH                     | 7.93   | pH units | ALS |
| L1944004-6    | CV049-US  | 17-Jun-17    | Total Suspended Solids | 51     | mg/L     | ALS |
| L1944004-6    | CV049-US  | 17-Jun-17    | Total Dissolved Solids | 59     | mg/L     | ALS |
| L1944004-6    | CV049-US  | 17-Jun-17    | Turbidity              | 5.93   | NTU      | ALS |
| L1948077-67   | CV049-US  | 24-Jun-17    | pH                     | 7.9    | pH units | ALS |
| L1948077-67   | CV049-US  | 24-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-67   | CV049-US  | 24-Jun-17    | Total Dissolved Solids | 49     | mg/L     | ALS |
| L1948077-67   | CV049-US  | 24-Jun-17    | Turbidity              | 0.29   | NTU      | ALS |
| L1954099-12   | CV049-US  | 1-Jul-17     | pH                     | 8.11   | pH units | ALS |
| L1954099-12   | CV049-US  | 1-Jul-17     | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954099-12   | CV049-US  | 1-Jul-17     | Total Dissolved Solids | 84     | mg/L     | ALS |
| L1954099-12   | CV049-US  | 1-Jul-17     | Turbidity              | 0.17   | NTU      | ALS |
| L1933186-15   | CV049-DS  | 28-May-17    | pH                     | 7.91   | pH units | ALS |
| L1933186-15   | CV049-DS  | 28-May-17    | Total Suspended Solids | 6      | mg/L     | ALS |
| L1933186-15   | CV049-DS  | 28-May-17    | Total Dissolved Solids | 45     | mg/L     | ALS |
| L1933186-15   | CV049-DS  | 28-May-17    | Turbidity              | 18.3   | NTU      | ALS |
| L1937803-10   | CV049-DS  | 4-Jun-17     | pH                     | 7.74   | pH units | ALS |
| L1937803-10   | CV049-DS  | 4-Jun-17     | Total Suspended Solids | 12.4   | mg/L     | ALS |
| L1937803-10   | CV049-DS  | 4-Jun-17     | Total Dissolved Solids | 58     | mg/L     | ALS |
| L1937803-10   | CV049-DS  | 4-Jun-17     | Turbidity              | 24.4   | NTU      | ALS |
| L1940472-3    | CV049-DS  | 11-Jun-17    | pH                     | 7.83   | pH units | ALS |
| L1940472-3    | CV049-DS  | 11-Jun-17    | Total Suspended Solids | 3.9    | mg/L     | ALS |
| L1940472-3    | CV049-DS  | 11-Jun-17    | Total Dissolved Solids | 44     | mg/L     | ALS |
| L1940472-3    | CV049-DS  | 11-Jun-17    | Turbidity              | 4.53   | NTU      | ALS |

**Table B.2.4 - Water Quality Monitoring for Tote Road Water Crossings**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1944004-5    | CV049-DS  | 17-Jun-17    | pH                     | 7.87   | pH units | ALS |
| L1944004-5    | CV049-DS  | 17-Jun-17    | Total Suspended Solids | 2.9    | mg/L     | ALS |
| L1944004-5    | CV049-DS  | 17-Jun-17    | Total Dissolved Solids | 59     | mg/L     | ALS |
| L1944004-5    | CV049-DS  | 17-Jun-17    | Turbidity              | 2.37   | NTU      | ALS |
| L1948077-66   | CV049-DS  | 24-Jun-17    | pH                     | 7.75   | pH units | ALS |
| L1948077-66   | CV049-DS  | 24-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-66   | CV049-DS  | 24-Jun-17    | Total Dissolved Solids | 50     | mg/L     | ALS |
| L1948077-66   | CV049-DS  | 24-Jun-17    | Turbidity              | 1.67   | NTU      | ALS |
| L1954099-11   | CV049-DS  | 1-Jul-17     | pH                     | 8.07   | pH units | ALS |
| L1954099-11   | CV049-DS  | 1-Jul-17     | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954099-11   | CV049-DS  | 1-Jul-17     | Total Dissolved Solids | 76     | mg/L     | ALS |
| L1954099-11   | CV049-DS  | 1-Jul-17     | Turbidity              | 0.4    | NTU      | ALS |
| L1940472-8    | CV057-US  | 11-Jun-17    | pH                     | 7.78   | pH units | ALS |
| L1940472-8    | CV057-US  | 11-Jun-17    | Total Suspended Solids | 9.2    | mg/L     | ALS |
| L1940472-8    | CV057-US  | 11-Jun-17    | Total Dissolved Solids | 52     | mg/L     | ALS |
| L1940472-8    | CV057-US  | 11-Jun-17    | Turbidity              | 12.3   | NTU      | ALS |
| L1944004-2    | CV057-US  | 17-Jun-17    | pH                     | 7.78   | pH units | ALS |
| L1944004-2    | CV057-US  | 17-Jun-17    | Total Suspended Solids | 7.3    | mg/L     | ALS |
| L1944004-2    | CV057-US  | 17-Jun-17    | Total Dissolved Solids | 81     | mg/L     | ALS |
| L1944004-2    | CV057-US  | 17-Jun-17    | Turbidity              | 3.49   | NTU      | ALS |
| L1948077-63   | CV057-US  | 24-Jun-17    | pH                     | 7.85   | pH units | ALS |
| L1948077-63   | CV057-US  | 24-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-63   | CV057-US  | 24-Jun-17    | Total Dissolved Solids | 91     | mg/L     | ALS |
| L1948077-63   | CV057-US  | 24-Jun-17    | Turbidity              | 0.49   | NTU      | ALS |
| L1954099-8    | CV057-US  | 1-Jul-17     | pH                     | 8.1    | pH units | ALS |
| L1954099-8    | CV057-US  | 1-Jul-17     | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954099-8    | CV057-US  | 1-Jul-17     | Total Dissolved Solids | 108    | mg/L     | ALS |
| L1954099-8    | CV057-US  | 1-Jul-17     | Turbidity              | 0.46   | NTU      | ALS |
| L1940472-7    | CV057-DS  | 11-Jun-17    | pH                     | 7.89   | pH units | ALS |
| L1940472-7    | CV057-DS  | 11-Jun-17    | Total Suspended Solids | 12.8   | mg/L     | ALS |
| L1940472-7    | CV057-DS  | 11-Jun-17    | Total Dissolved Solids | 54     | mg/L     | ALS |
| L1940472-7    | CV057-DS  | 11-Jun-17    | Turbidity              | 22.2   | NTU      | ALS |
| L1944004-1    | CV057-DS  | 17-Jun-17    | pH                     | 7.73   | pH units | ALS |
| L1944004-1    | CV057-DS  | 17-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1944004-1    | CV057-DS  | 17-Jun-17    | Total Dissolved Solids | 77     | mg/L     | ALS |
| L1944004-1    | CV057-DS  | 17-Jun-17    | Turbidity              | 2.04   | NTU      | ALS |
| L1948077-62   | CV057-DS  | 23-Jun-17    | pH                     | 7.87   | pH units | ALS |
| L1948077-62   | CV057-DS  | 23-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-62   | CV057-DS  | 23-Jun-17    | Total Dissolved Solids | 81     | mg/L     | ALS |
| L1948077-62   | CV057-DS  | 23-Jun-17    | Turbidity              | 0.45   | NTU      | ALS |
| L1954099-7    | CV057-DS  | 1-Jul-17     | pH                     | 8.05   | pH units | ALS |
| L1954099-7    | CV057-DS  | 1-Jul-17     | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954099-7    | CV057-DS  | 1-Jul-17     | Total Dissolved Solids | 113    | mg/L     | ALS |
| L1954099-7    | CV057-DS  | 1-Jul-17     | Turbidity              | 0.39   | NTU      | ALS |
| L1937803-16   | CV058-US  | 4-Jun-17     | pH                     | 7.6    | pH units | ALS |
| L1937803-16   | CV058-US  | 4-Jun-17     | Total Suspended Solids | 7      | mg/L     | ALS |
| L1937803-16   | CV058-US  | 4-Jun-17     | Total Dissolved Solids | 50     | mg/L     | ALS |
| L1937803-16   | CV058-US  | 4-Jun-17     | Turbidity              | 27.6   | NTU      | ALS |
| L1940472-6    | CV058-US  | 11-Jun-17    | pH                     | 7.67   | pH units | ALS |
| L1940472-6    | CV058-US  | 11-Jun-17    | Total Suspended Solids | 4.1    | mg/L     | ALS |
| L1940472-6    | CV058-US  | 11-Jun-17    | Total Dissolved Solids | 45     | mg/L     | ALS |
| L1940472-6    | CV058-US  | 11-Jun-17    | Turbidity              | 1.81   | NTU      | ALS |
| L1943997-14   | CV058-US  | 16-Jun-17    | pH                     | 7.62   | pH units | ALS |
| L1943997-14   | CV058-US  | 16-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1943997-14   | CV058-US  | 16-Jun-17    | Total Dissolved Solids | 61     | mg/L     | ALS |
| L1943997-14   | CV058-US  | 16-Jun-17    | Turbidity              | 0.84   | NTU      | ALS |
| L1948004-3    | CV058-US  | 20-Jun-17    | pH                     | 7.76   | pH units | ALS |
| L1948004-3    | CV058-US  | 20-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948004-3    | CV058-US  | 20-Jun-17    | Total Dissolved Solids | 48     | mg/L     | ALS |
| L1948004-3    | CV058-US  | 20-Jun-17    | Turbidity              | 0.49   | NTU      | ALS |
| L1948077-61   | CV058-US  | 23-Jun-17    | pH                     | 7.76   | pH units | ALS |
| L1948077-61   | CV058-US  | 23-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-61   | CV058-US  | 23-Jun-17    | Total Dissolved Solids | 55     | mg/L     | ALS |
| L1948077-61   | CV058-US  | 23-Jun-17    | Turbidity              | 0.36   | NTU      | ALS |

**Table B.2.4 - Water Quality Monitoring for Tote Road Water Crossings**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1954099-4    | CV058-US  | 1-Jul-17     | pH                     | 8.02   | pH units | ALS |
| L1954099-4    | CV058-US  | 1-Jul-17     | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954099-4    | CV058-US  | 1-Jul-17     | Total Dissolved Solids | 82     | mg/L     | ALS |
| L1954099-4    | CV058-US  | 1-Jul-17     | Turbidity              | 0.15   | NTU      | ALS |
| L1937803-15   | CV058-DS  | 4-Jun-17     | pH                     | 7.65   | pH units | ALS |
| L1937803-15   | CV058-DS  | 4-Jun-17     | Total Suspended Solids | 16.3   | mg/L     | ALS |
| L1937803-15   | CV058-DS  | 4-Jun-17     | Total Dissolved Solids | 61     | mg/L     | ALS |
| L1937803-15   | CV058-DS  | 4-Jun-17     | Turbidity              | 33.7   | NTU      | ALS |
| L1940472-5    | CV058-DS  | 11-Jun-17    | pH                     | 7.73   | pH units | ALS |
| L1940472-5    | CV058-DS  | 11-Jun-17    | Total Suspended Solids | 7.7    | mg/L     | ALS |
| L1940472-5    | CV058-DS  | 11-Jun-17    | Total Dissolved Solids | 50     | mg/L     | ALS |
| L1940472-5    | CV058-DS  | 11-Jun-17    | Turbidity              | 7.42   | NTU      | ALS |
| L1943997-13   | CV058-DS  | 16-Jun-17    | pH                     | 7.7    | pH units | ALS |
| L1943997-13   | CV058-DS  | 16-Jun-17    | Total Suspended Solids | 6      | mg/L     | ALS |
| L1943997-13   | CV058-DS  | 16-Jun-17    | Total Dissolved Solids | 63     | mg/L     | ALS |
| L1943997-13   | CV058-DS  | 16-Jun-17    | Turbidity              | 2.76   | NTU      | ALS |
| L1948004-4    | CV058-DS  | 20-Jun-17    | pH                     | 7.76   | pH units | ALS |
| L1948004-4    | CV058-DS  | 20-Jun-17    | Total Suspended Solids | 3.5    | mg/L     | ALS |
| L1948004-4    | CV058-DS  | 20-Jun-17    | Total Dissolved Solids | 55     | mg/L     | ALS |
| L1948004-4    | CV058-DS  | 20-Jun-17    | Turbidity              | 0.49   | NTU      | ALS |
| L1948077-60   | CV058-DS  | 23-Jun-17    | pH                     | 7.78   | pH units | ALS |
| L1948077-60   | CV058-DS  | 23-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-60   | CV058-DS  | 23-Jun-17    | Total Dissolved Solids | 71     | mg/L     | ALS |
| L1948077-60   | CV058-DS  | 23-Jun-17    | Turbidity              | 0.84   | NTU      | ALS |
| L1954099-3    | CV058-DS  | 1-Jul-17     | pH                     | 8      | pH units | ALS |
| L1954099-3    | CV058-DS  | 1-Jul-17     | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954099-3    | CV058-DS  | 1-Jul-17     | Total Dissolved Solids | 70     | mg/L     | ALS |
| L1954099-3    | CV058-DS  | 1-Jul-17     | Turbidity              | 0.18   | NTU      | ALS |
| L1940461-12   | CV059-US  | 11-Jun-17    | pH                     | 7.66   | pH units | ALS |
| L1940461-12   | CV059-US  | 11-Jun-17    | Total Suspended Solids | 5.9    | mg/L     | ALS |
| L1940461-12   | CV059-US  | 11-Jun-17    | Total Dissolved Solids | 43     | mg/L     | ALS |
| L1940461-12   | CV059-US  | 11-Jun-17    | Turbidity              | 4.75   | NTU      | ALS |
| L1943997-15   | CV059-US  | 16-Jun-17    | pH                     | 7.61   | pH units | ALS |
| L1943997-15   | CV059-US  | 16-Jun-17    | Total Suspended Solids | 4.8    | mg/L     | ALS |
| L1943997-15   | CV059-US  | 16-Jun-17    | Total Dissolved Solids | 66     | mg/L     | ALS |
| L1943997-15   | CV059-US  | 16-Jun-17    | Turbidity              | 2.13   | NTU      | ALS |
| L1948004-1    | CV059-US  | 20-Jun-17    | pH                     | 7.69   | pH units | ALS |
| L1948004-1    | CV059-US  | 20-Jun-17    | Total Suspended Solids | 4      | mg/L     | ALS |
| L1948004-1    | CV059-US  | 20-Jun-17    | Total Dissolved Solids | 44     | mg/L     | ALS |
| L1948004-1    | CV059-US  | 20-Jun-17    | Turbidity              | 6.57   | NTU      | ALS |
| L1954099-16   | CV059-US  | 1-Jul-17     | pH                     | 8      | pH units | ALS |
| L1954099-16   | CV059-US  | 1-Jul-17     | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954099-16   | CV059-US  | 1-Jul-17     | Total Dissolved Solids | 70     | mg/L     | ALS |
| L1954099-16   | CV059-US  | 1-Jul-17     | Turbidity              | 0.53   | NTU      | ALS |
| L1940461-13   | CV059-DS  | 11-Jun-17    | pH                     | 7.73   | pH units | ALS |
| L1940461-13   | CV059-DS  | 11-Jun-17    | Total Suspended Solids | 30     | mg/L     | ALS |
| L1940461-13   | CV059-DS  | 11-Jun-17    | Total Dissolved Solids | 42     | mg/L     | ALS |
| L1940461-13   | CV059-DS  | 11-Jun-17    | Turbidity              | 21.7   | NTU      | ALS |
| L1943997-16   | CV059-DS  | 16-Jun-17    | pH                     | 7.63   | pH units | ALS |
| L1943997-16   | CV059-DS  | 16-Jun-17    | Total Suspended Solids | 28.8   | mg/L     | ALS |
| L1943997-16   | CV059-DS  | 16-Jun-17    | Total Dissolved Solids | 64     | mg/L     | ALS |
| L1943997-16   | CV059-DS  | 16-Jun-17    | Turbidity              | 5.73   | NTU      | ALS |
| L1948004-2    | CV059-DS  | 20-Jun-17    | pH                     | 7.68   | pH units | ALS |
| L1948004-2    | CV059-DS  | 20-Jun-17    | Total Suspended Solids | 2.5    | mg/L     | ALS |
| L1948004-2    | CV059-DS  | 20-Jun-17    | Total Dissolved Solids | 39     | mg/L     | ALS |
| L1948004-2    | CV059-DS  | 20-Jun-17    | Turbidity              | 1.13   | NTU      | ALS |
| L1954099-15   | CV059-DS  | 1-Jul-17     | pH                     | 8      | pH units | ALS |
| L1954099-15   | CV059-DS  | 1-Jul-17     | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954099-15   | CV059-DS  | 1-Jul-17     | Total Dissolved Solids | 69     | mg/L     | ALS |
| L1954099-15   | CV059-DS  | 1-Jul-17     | Turbidity              | 0.63   | NTU      | ALS |
| L1933186-10   | CV060-US  | 28-May-17    | pH                     | 8.09   | pH units | ALS |
| L1933186-10   | CV060-US  | 28-May-17    | Total Suspended Solids | 26.4   | mg/L     | ALS |
| L1933186-10   | CV060-US  | 28-May-17    | Total Dissolved Solids | 35     | mg/L     | ALS |
| L1933186-10   | CV060-US  | 28-May-17    | Turbidity              | 30.5   | NTU      | ALS |

**Table B.2.4 - Water Quality Monitoring for Tote Road Water Crossings**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1937815-1    | CV060-US  | 3-Jun-17     | pH                     | 7.77   | pH units | ALS |
| L1937815-1    | CV060-US  | 3-Jun-17     | Total Suspended Solids | 30.2   | mg/L     | ALS |
| L1937815-1    | CV060-US  | 3-Jun-17     | Total Dissolved Solids | 41     | mg/L     | ALS |
| L1937815-1    | CV060-US  | 3-Jun-17     | Turbidity              | 31.4   | NTU      | ALS |
| L1940461-10   | CV060-US  | 11-Jun-17    | pH                     | 7.69   | pH units | ALS |
| L1940461-10   | CV060-US  | 11-Jun-17    | Total Suspended Solids | 5.4    | mg/L     | ALS |
| L1940461-10   | CV060-US  | 11-Jun-17    | Total Dissolved Solids | 46     | mg/L     | ALS |
| L1940461-10   | CV060-US  | 11-Jun-17    | Turbidity              | 5.51   | NTU      | ALS |
| L1943997-4    | CV060-US  | 16-Jun-17    | pH                     | 7.63   | pH units | ALS |
| L1943997-4    | CV060-US  | 16-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1943997-4    | CV060-US  | 16-Jun-17    | Total Dissolved Solids | 67     | mg/L     | ALS |
| L1943997-4    | CV060-US  | 16-Jun-17    | Turbidity              | 1.21   | NTU      | ALS |
| L1948004-9    | CV060-US  | 20-Jun-17    | pH                     | 7.81   | pH units | ALS |
| L1948004-9    | CV060-US  | 20-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948004-9    | CV060-US  | 20-Jun-17    | Total Dissolved Solids | 65     | mg/L     | ALS |
| L1948004-9    | CV060-US  | 20-Jun-17    | Turbidity              | 0.4    | NTU      | ALS |
| L1948077-59   | CV060-US  | 23-Jun-17    | pH                     | 7.87   | pH units | ALS |
| L1948077-59   | CV060-US  | 23-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-59   | CV060-US  | 23-Jun-17    | Total Dissolved Solids | 51     | mg/L     | ALS |
| L1948077-59   | CV060-US  | 23-Jun-17    | Turbidity              | 0.57   | NTU      | ALS |
| L1954099-22   | CV060-US  | 1-Jul-17     | pH                     | 8.07   | pH units | ALS |
| L1954099-22   | CV060-US  | 1-Jul-17     | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954099-22   | CV060-US  | 1-Jul-17     | Total Dissolved Solids | 85     | mg/L     | ALS |
| L1954099-22   | CV060-US  | 1-Jul-17     | Turbidity              | 0.41   | NTU      | ALS |
| L1933186-9    | CV060-DS  | 28-May-17    | pH                     | 7.97   | pH units | ALS |
| L1933186-9    | CV060-DS  | 28-May-17    | Total Suspended Solids | 22     | mg/L     | ALS |
| L1933186-9    | CV060-DS  | 28-May-17    | Total Dissolved Solids | 25     | mg/L     | ALS |
| L1933186-9    | CV060-DS  | 28-May-17    | Turbidity              | 37.9   | NTU      | ALS |
| L1937815-2    | CV060-DS  | 3-Jun-17     | pH                     | 7.84   | pH units | ALS |
| L1937815-2    | CV060-DS  | 3-Jun-17     | Total Suspended Solids | 50.5   | mg/L     | ALS |
| L1937815-2    | CV060-DS  | 3-Jun-17     | Total Dissolved Solids | 42     | mg/L     | ALS |
| L1937815-2    | CV060-DS  | 3-Jun-17     | Turbidity              | 38     | NTU      | ALS |
| L1940461-11   | CV060-DS  | 11-Jun-17    | pH                     | 7.78   | pH units | ALS |
| L1940461-11   | CV060-DS  | 11-Jun-17    | Total Suspended Solids | 7.4    | mg/L     | ALS |
| L1940461-11   | CV060-DS  | 11-Jun-17    | Total Dissolved Solids | 44     | mg/L     | ALS |
| L1940461-11   | CV060-DS  | 11-Jun-17    | Turbidity              | 11.4   | NTU      | ALS |
| L1943997-3    | CV060-DS  | 16-Jun-17    | pH                     | 7.72   | pH units | ALS |
| L1943997-3    | CV060-DS  | 16-Jun-17    | Total Suspended Solids | 3.8    | mg/L     | ALS |
| L1943997-3    | CV060-DS  | 16-Jun-17    | Total Dissolved Solids | 76     | mg/L     | ALS |
| L1943997-3    | CV060-DS  | 16-Jun-17    | Turbidity              | 1.5    | NTU      | ALS |
| L1948004-10   | CV060-DS  | 20-Jun-17    | pH                     | 7.86   | pH units | ALS |
| L1948004-10   | CV060-DS  | 20-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948004-10   | CV060-DS  | 20-Jun-17    | Total Dissolved Solids | 64     | mg/L     | ALS |
| L1948004-10   | CV060-DS  | 20-Jun-17    | Turbidity              | 0.53   | NTU      | ALS |
| L1948077-58   | CV060-DS  | 23-Jun-17    | pH                     | 7.86   | pH units | ALS |
| L1948077-58   | CV060-DS  | 23-Jun-17    | Total Suspended Solids | 2.3    | mg/L     | ALS |
| L1948077-58   | CV060-DS  | 23-Jun-17    | Total Dissolved Solids | 61     | mg/L     | ALS |
| L1948077-58   | CV060-DS  | 23-Jun-17    | Turbidity              | 0.43   | NTU      | ALS |
| L1954099-21   | CV060-DS  | 1-Jul-17     | pH                     | 8.06   | pH units | ALS |
| L1954099-21   | CV060-DS  | 1-Jul-17     | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954099-21   | CV060-DS  | 1-Jul-17     | Total Dissolved Solids | 81     | mg/L     | ALS |
| L1954099-21   | CV060-DS  | 1-Jul-17     | Turbidity              | 0.42   | NTU      | ALS |
| L1933186-8    | CV071-US  | 28-May-17    | pH                     | 8.09   | pH units | ALS |
| L1933186-8    | CV071-US  | 28-May-17    | Total Suspended Solids | 141    | mg/L     | ALS |
| L1933186-8    | CV071-US  | 28-May-17    | Total Dissolved Solids | 55     | mg/L     | ALS |
| L1933186-8    | CV071-US  | 28-May-17    | Turbidity              | 125    | NTU      | ALS |
| L1937815-5    | CV071-US  | 3-Jun-17     | pH                     | 8.14   | pH units | ALS |
| L1937815-5    | CV071-US  | 3-Jun-17     | Total Suspended Solids | 314    | mg/L     | ALS |
| L1937815-5    | CV071-US  | 3-Jun-17     | Total Dissolved Solids | 61     | mg/L     | ALS |
| L1937815-5    | CV071-US  | 3-Jun-17     | Turbidity              | 92.6   | NTU      | ALS |
| L1943997-6    | CV071-US  | 16-Jun-17    | pH                     | 8.14   | pH units | ALS |
| L1943997-6    | CV071-US  | 16-Jun-17    | Total Suspended Solids | 15.7   | mg/L     | ALS |
| L1943997-6    | CV071-US  | 16-Jun-17    | Total Dissolved Solids | 48     | mg/L     | ALS |
| L1943997-6    | CV071-US  | 16-Jun-17    | Turbidity              | 3.16   | NTU      | ALS |

**Table B.2.4 - Water Quality Monitoring for Tote Road Water Crossings**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1948004-11   | CV071-US  | 20-Jun-17    | pH                     | 8.16   | pH units | ALS |
| L1948004-11   | CV071-US  | 20-Jun-17    | Total Suspended Solids | 161    | mg/L     | ALS |
| L1948004-11   | CV071-US  | 20-Jun-17    | Total Dissolved Solids | 71     | mg/L     | ALS |
| L1948004-11   | CV071-US  | 20-Jun-17    | Turbidity              | 26.7   | NTU      | ALS |
| L1948077-57   | CV071-US  | 23-Jun-17    | pH                     | 8.04   | pH units | ALS |
| L1948077-57   | CV071-US  | 23-Jun-17    | Total Suspended Solids | 5.5    | mg/L     | ALS |
| L1948077-57   | CV071-US  | 23-Jun-17    | Total Dissolved Solids | 69     | mg/L     | ALS |
| L1948077-57   | CV071-US  | 23-Jun-17    | Turbidity              | 1.62   | NTU      | ALS |
| L1954099-18   | CV071-US  | 1-Jul-17     | pH                     | 8.07   | pH units | ALS |
| L1954099-18   | CV071-US  | 1-Jul-17     | Total Suspended Solids | <2     | mg/L     | ALS |
| L1954099-18   | CV071-US  | 1-Jul-17     | Total Dissolved Solids | 71     | mg/L     | ALS |
| L1954099-18   | CV071-US  | 1-Jul-17     | Turbidity              | 0.88   | NTU      | ALS |
| L1933186-13   | CV071-DS  | 28-May-17    | pH                     | 8.14   | pH units | ALS |
| L1933186-13   | CV071-DS  | 28-May-17    | Total Suspended Solids | 128    | mg/L     | ALS |
| L1933186-13   | CV071-DS  | 28-May-17    | Total Dissolved Solids | 80     | mg/L     | ALS |
| L1933186-13   | CV071-DS  | 28-May-17    | Turbidity              | 123    | NTU      | ALS |
| L1937815-6    | CV071-DS  | 3-Jun-17     | pH                     | 8.16   | pH units | ALS |
| L1937815-6    | CV071-DS  | 3-Jun-17     | Total Suspended Solids | 326    | mg/L     | ALS |
| L1937815-6    | CV071-DS  | 3-Jun-17     | Total Dissolved Solids | 63     | mg/L     | ALS |
| L1937815-6    | CV071-DS  | 3-Jun-17     | Turbidity              | 109    | NTU      | ALS |
| L1940461-9    | CV071-DS  | 11-Jun-17    | pH                     | 8.05   | pH units | ALS |
| L1940461-9    | CV071-DS  | 11-Jun-17    | Total Suspended Solids | 57.5   | mg/L     | ALS |
| L1940461-9    | CV071-DS  | 11-Jun-17    | Total Dissolved Solids | 67     | mg/L     | ALS |
| L1940461-9    | CV071-DS  | 11-Jun-17    | Turbidity              | 33.3   | NTU      | ALS |
| L1943997-5    | CV071-DS  | 16-Jun-17    | pH                     | 8.14   | pH units | ALS |
| L1943997-5    | CV071-DS  | 16-Jun-17    | Total Suspended Solids | 68.4   | mg/L     | ALS |
| L1943997-5    | CV071-DS  | 16-Jun-17    | Total Dissolved Solids | 60     | mg/L     | ALS |
| L1943997-5    | CV071-DS  | 16-Jun-17    | Turbidity              | 20.7   | NTU      | ALS |
| L1948004-12   | CV071-DS  | 20-Jun-17    | pH                     | 8.03   | pH units | ALS |
| L1948004-12   | CV071-DS  | 20-Jun-17    | Total Suspended Solids | 10.2   | mg/L     | ALS |
| L1948004-12   | CV071-DS  | 20-Jun-17    | Total Dissolved Solids | 62     | mg/L     | ALS |
| L1948004-12   | CV071-DS  | 20-Jun-17    | Turbidity              | 2.31   | NTU      | ALS |
| L1948077-56   | CV071-DS  | 23-Jun-17    | pH                     | 7.97   | pH units | ALS |
| L1948077-56   | CV071-DS  | 23-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-56   | CV071-DS  | 23-Jun-17    | Total Dissolved Solids | 84     | mg/L     | ALS |
| L1948077-56   | CV071-DS  | 23-Jun-17    | Turbidity              | 1.83   | NTU      | ALS |
| L1954099-17   | CV071-DS  | 1-Jul-17     | pH                     | 8.09   | pH units | ALS |
| L1954099-17   | CV071-DS  | 1-Jul-17     | Total Suspended Solids | 2.6    | mg/L     | ALS |
| L1954099-17   | CV071-DS  | 1-Jul-17     | Total Dissolved Solids | 81     | mg/L     | ALS |
| L1954099-17   | CV071-DS  | 1-Jul-17     | Turbidity              | 3.16   | NTU      | ALS |
| L1937815-21   | CV072-US  | 3-Jun-17     | pH                     | 8.47   | pH units | ALS |
| L1937815-21   | CV072-US  | 3-Jun-17     | Total Suspended Solids | 247    | mg/L     | ALS |
| L1937815-21   | CV072-US  | 3-Jun-17     | Total Dissolved Solids | 61     | mg/L     | ALS |
| L1937815-21   | CV072-US  | 3-Jun-17     | Turbidity              | 309    | NTU      | ALS |
| L1948004-13   | CV072-US  | 20-Jun-17    | pH                     | 7.84   | pH units | ALS |
| L1948004-13   | CV072-US  | 20-Jun-17    | Total Suspended Solids | 5      | mg/L     | ALS |
| L1948004-13   | CV072-US  | 20-Jun-17    | Total Dissolved Solids | 52     | mg/L     | ALS |
| L1948004-13   | CV072-US  | 20-Jun-17    | Turbidity              | 0.99   | NTU      | ALS |
| L1948077-55   | CV072-US  | 23-Jun-17    | pH                     | 7.7    | pH units | ALS |
| L1948077-55   | CV072-US  | 23-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-55   | CV072-US  | 23-Jun-17    | Total Dissolved Solids | 26     | mg/L     | ALS |
| L1948077-55   | CV072-US  | 23-Jun-17    | Turbidity              | 0.71   | NTU      | ALS |
| L1954099-20   | CV072-US  | 1-Jul-17     | pH                     | 7.93   | pH units | ALS |
| L1954099-20   | CV072-US  | 1-Jul-17     | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954099-20   | CV072-US  | 1-Jul-17     | Total Dissolved Solids | 50     | mg/L     | ALS |
| L1954099-20   | CV072-US  | 1-Jul-17     | Turbidity              | 0.48   | NTU      | ALS |
| L1948004-14   | CV072-DS  | 20-Jun-17    | pH                     | 7.81   | pH units | ALS |
| L1948004-14   | CV072-DS  | 20-Jun-17    | Total Suspended Solids | 4.5    | mg/L     | ALS |
| L1948004-14   | CV072-DS  | 20-Jun-17    | Total Dissolved Solids | 51     | mg/L     | ALS |
| L1948004-14   | CV072-DS  | 20-Jun-17    | Turbidity              | 0.97   | NTU      | ALS |
| L1948077-54   | CV072-DS  | 23-Jun-17    | pH                     | 7.81   | pH units | ALS |
| L1948077-54   | CV072-DS  | 23-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-54   | CV072-DS  | 23-Jun-17    | Total Dissolved Solids | 28     | mg/L     | ALS |
| L1948077-54   | CV072-DS  | 23-Jun-17    | Turbidity              | 0.6    | NTU      | ALS |

**Table B.2.4 - Water Quality Monitoring for Tote Road Water Crossings**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1954099-19   | CV072-DS  | 1-Jul-17     | pH                     | 7.96   | pH units | ALS |
| L1954099-19   | CV072-DS  | 1-Jul-17     | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954099-19   | CV072-DS  | 1-Jul-17     | Total Dissolved Solids | 53     | mg/L     | ALS |
| L1954099-19   | CV072-DS  | 1-Jul-17     | Turbidity              | 0.39   | NTU      | ALS |
| L1933186-11   | CV076-US  | 28-May-17    | pH                     | 7.96   | pH units | ALS |
| L1933186-11   | CV076-US  | 28-May-17    | Total Suspended Solids | 9.2    | mg/L     | ALS |
| L1933186-11   | CV076-US  | 28-May-17    | Total Dissolved Solids | 75     | mg/L     | ALS |
| L1933186-11   | CV076-US  | 28-May-17    | Turbidity              | 19.1   | NTU      | ALS |
| L1937815-17   | CV076-US  | 3-Jun-17     | pH                     | 8.04   | pH units | ALS |
| L1937815-17   | CV076-US  | 3-Jun-17     | Total Suspended Solids | 34.6   | mg/L     | ALS |
| L1937815-17   | CV076-US  | 3-Jun-17     | Total Dissolved Solids | 70     | mg/L     | ALS |
| L1937815-17   | CV076-US  | 3-Jun-17     | Turbidity              | 66.8   | NTU      | ALS |
| L1940461-7    | CV076-US  | 11-Jun-17    | pH                     | 7.95   | pH units | ALS |
| L1940461-7    | CV076-US  | 11-Jun-17    | Total Suspended Solids | 6.6    | mg/L     | ALS |
| L1940461-7    | CV076-US  | 11-Jun-17    | Total Dissolved Solids | 62     | mg/L     | ALS |
| L1940461-7    | CV076-US  | 11-Jun-17    | Turbidity              | 6.56   | NTU      | ALS |
| L1943997-34   | CV076-US  | 17-Jun-17    | pH                     | 7.93   | pH units | ALS |
| L1943997-34   | CV076-US  | 17-Jun-17    | Total Suspended Solids | 3.1    | mg/L     | ALS |
| L1943997-34   | CV076-US  | 17-Jun-17    | Total Dissolved Solids | 63     | mg/L     | ALS |
| L1943997-34   | CV076-US  | 17-Jun-17    | Turbidity              | 1.42   | NTU      | ALS |
| L1948004-15   | CV076-US  | 20-Jun-17    | pH                     | 7.95   | pH units | ALS |
| L1948004-15   | CV076-US  | 20-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948004-15   | CV076-US  | 20-Jun-17    | Total Dissolved Solids | 45     | mg/L     | ALS |
| L1948004-15   | CV076-US  | 20-Jun-17    | Turbidity              | 0.36   | NTU      | ALS |
| L1948077-53   | CV076-US  | 23-Jun-17    | pH                     | 7.98   | pH units | ALS |
| L1948077-53   | CV076-US  | 23-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-53   | CV076-US  | 23-Jun-17    | Total Dissolved Solids | 72     | mg/L     | ALS |
| L1948077-53   | CV076-US  | 23-Jun-17    | Turbidity              | 0.37   | NTU      | ALS |
| L1954099-10   | CV076-US  | 1-Jul-17     | pH                     | 8.04   | pH units | ALS |
| L1954099-10   | CV076-US  | 1-Jul-17     | Total Suspended Solids | 2.9    | mg/L     | ALS |
| L1954099-10   | CV076-US  | 1-Jul-17     | Total Dissolved Solids | 90     | mg/L     | ALS |
| L1954099-10   | CV076-US  | 1-Jul-17     | Turbidity              | 1.91   | NTU      | ALS |
| L1933186-14   | CV076-DS  | 28-May-17    | pH                     | 7.9    | pH units | ALS |
| L1933186-14   | CV076-DS  | 28-May-17    | Total Suspended Solids | 9.2    | mg/L     | ALS |
| L1933186-14   | CV076-DS  | 28-May-17    | Total Dissolved Solids | 60     | mg/L     | ALS |
| L1933186-14   | CV076-DS  | 28-May-17    | Turbidity              | 18.4   | NTU      | ALS |
| L1937815-18   | CV076-DS  | 3-Jun-17     | pH                     | 7.8    | pH units | ALS |
| L1937815-18   | CV076-DS  | 3-Jun-17     | Total Suspended Solids | 34.5   | mg/L     | ALS |
| L1937815-18   | CV076-DS  | 3-Jun-17     | Total Dissolved Solids | 77     | mg/L     | ALS |
| L1937815-18   | CV076-DS  | 3-Jun-17     | Turbidity              | 71.2   | NTU      | ALS |
| L1940461-8    | CV076-DS  | 11-Jun-17    | pH                     | 7.96   | pH units | ALS |
| L1940461-8    | CV076-DS  | 11-Jun-17    | Total Suspended Solids | 4.2    | mg/L     | ALS |
| L1940461-8    | CV076-DS  | 11-Jun-17    | Total Dissolved Solids | 61     | mg/L     | ALS |
| L1940461-8    | CV076-DS  | 11-Jun-17    | Turbidity              | 4.5    | NTU      | ALS |
| L1943997-40   | CV076-DS  | 17-Jun-17    | pH                     | 7.91   | pH units | ALS |
| L1943997-40   | CV076-DS  | 17-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1943997-40   | CV076-DS  | 17-Jun-17    | Total Dissolved Solids | 68     | mg/L     | ALS |
| L1943997-40   | CV076-DS  | 17-Jun-17    | Turbidity              | 1.64   | NTU      | ALS |
| L1948004-16   | CV076-DS  | 20-Jun-17    | pH                     | 7.94   | pH units | ALS |
| L1948004-16   | CV076-DS  | 20-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948004-16   | CV076-DS  | 20-Jun-17    | Total Dissolved Solids | 66     | mg/L     | ALS |
| L1948004-16   | CV076-DS  | 20-Jun-17    | Turbidity              | 0.46   | NTU      | ALS |
| L1948077-52   | CV076-DS  | 23-Jun-17    | pH                     | 7.97   | pH units | ALS |
| L1948077-52   | CV076-DS  | 23-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-52   | CV076-DS  | 23-Jun-17    | Total Dissolved Solids | 78     | mg/L     | ALS |
| L1948077-52   | CV076-DS  | 23-Jun-17    | Turbidity              | 0.26   | NTU      | ALS |
| L1954099-9    | CV076-DS  | 1-Jul-17     | pH                     | 7.94   | pH units | ALS |
| L1954099-9    | CV076-DS  | 1-Jul-17     | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954099-9    | CV076-DS  | 1-Jul-17     | Total Dissolved Solids | 90     | mg/L     | ALS |
| L1954099-9    | CV076-DS  | 1-Jul-17     | Turbidity              | 0.92   | NTU      | ALS |
| L1940461-5    | CV078-US  | 11-Jun-17    | pH                     | 7.92   | pH units | ALS |
| L1940461-5    | CV078-US  | 11-Jun-17    | Total Suspended Solids | 6.7    | mg/L     | ALS |
| L1940461-5    | CV078-US  | 11-Jun-17    | Total Dissolved Solids | 51     | mg/L     | ALS |
| L1940461-5    | CV078-US  | 11-Jun-17    | Turbidity              | 2.37   | NTU      | ALS |

**Table B.2.4 - Water Quality Monitoring for Tote Road Water Crossings**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1943997-37   | CV078-US  | 17-Jun-17    | pH                     | 7.58   | pH units | ALS |
| L1943997-37   | CV078-US  | 17-Jun-17    | Total Suspended Solids | 3.6    | mg/L     | ALS |
| L1943997-37   | CV078-US  | 17-Jun-17    | Total Dissolved Solids | 41     | mg/L     | ALS |
| L1943997-37   | CV078-US  | 17-Jun-17    | Turbidity              | 0.54   | NTU      | ALS |
| L1948004-17   | CV078-US  | 20-Jun-17    | pH                     | 8.35   | pH units | ALS |
| L1948004-17   | CV078-US  | 20-Jun-17    | Total Suspended Solids | 300    | mg/L     | ALS |
| L1948004-17   | CV078-US  | 20-Jun-17    | Total Dissolved Solids | 68     | mg/L     | ALS |
| L1948004-17   | CV078-US  | 20-Jun-17    | Turbidity              | 62.6   | NTU      | ALS |
| L1948077-25   | CV078-US  | 23-Jun-17    | pH                     | 7.71   | pH units | ALS |
| L1948077-25   | CV078-US  | 23-Jun-17    | Total Suspended Solids | 3      | mg/L     | ALS |
| L1948077-25   | CV078-US  | 23-Jun-17    | Total Dissolved Solids | 37     | mg/L     | ALS |
| L1948077-25   | CV078-US  | 23-Jun-17    | Turbidity              | 0.34   | NTU      | ALS |
| L1953932-4    | CV078-US  | 29-Jun-17    | pH                     | 7.93   | pH units | ALS |
| L1953932-4    | CV078-US  | 29-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1953932-4    | CV078-US  | 29-Jun-17    | Total Dissolved Solids | 64     | mg/L     | ALS |
| L1953932-4    | CV078-US  | 29-Jun-17    | Turbidity              | 0.5    | NTU      | ALS |
| L1940461-6    | CV078-DS  | 11-Jun-17    | pH                     | 7.92   | pH units | ALS |
| L1940461-6    | CV078-DS  | 11-Jun-17    | Total Suspended Solids | 11     | mg/L     | ALS |
| L1940461-6    | CV078-DS  | 11-Jun-17    | Total Dissolved Solids | 25     | mg/L     | ALS |
| L1940461-6    | CV078-DS  | 11-Jun-17    | Turbidity              | 9.43   | NTU      | ALS |
| L1943997-41   | CV078-DS  | 17-Jun-17    | pH                     | 7.63   | pH units | ALS |
| L1943997-41   | CV078-DS  | 17-Jun-17    | Total Suspended Solids | 7.1    | mg/L     | ALS |
| L1943997-41   | CV078-DS  | 17-Jun-17    | Total Dissolved Solids | 35     | mg/L     | ALS |
| L1943997-41   | CV078-DS  | 17-Jun-17    | Turbidity              | 0.87   | NTU      | ALS |
| L1948004-18   | CV078-DS  | 20-Jun-17    | pH                     | 8.42   | pH units | ALS |
| L1948004-18   | CV078-DS  | 20-Jun-17    | Total Suspended Solids | 354    | mg/L     | ALS |
| L1948004-18   | CV078-DS  | 20-Jun-17    | Total Dissolved Solids | 54     | mg/L     | ALS |
| L1948004-18   | CV078-DS  | 20-Jun-17    | Turbidity              | 53.4   | NTU      | ALS |
| L1948077-26   | CV078-DS  | 23-Jun-17    | pH                     | 7.7    | pH units | ALS |
| L1948077-26   | CV078-DS  | 23-Jun-17    | Total Suspended Solids | 3.5    | mg/L     | ALS |
| L1948077-26   | CV078-DS  | 23-Jun-17    | Total Dissolved Solids | 37     | mg/L     | ALS |
| L1948077-26   | CV078-DS  | 23-Jun-17    | Turbidity              | 0.94   | NTU      | ALS |
| L1953932-3    | CV078-DS  | 29-Jun-17    | pH                     | 7.94   | pH units | ALS |
| L1953932-3    | CV078-DS  | 29-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1953932-3    | CV078-DS  | 29-Jun-17    | Total Dissolved Solids | 63     | mg/L     | ALS |
| L1953932-3    | CV078-DS  | 29-Jun-17    | Turbidity              | 0.71   | NTU      | ALS |
| L1953941-3    | CV078-DS  | 29-Jun-17    | pH                     | 7.91   | pH units | ALS |
| L1953941-3    | CV078-DS  | 29-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1953941-3    | CV078-DS  | 29-Jun-17    | Total Dissolved Solids | 56     | mg/L     | ALS |
| L1953941-3    | CV078-DS  | 29-Jun-17    | Turbidity              | 0.37   | NTU      | ALS |
| L1940461-3    | CV079-US  | 11-Jun-17    | pH                     | 7.96   | pH units | ALS |
| L1940461-3    | CV079-US  | 11-Jun-17    | Total Suspended Solids | 4.2    | mg/L     | ALS |
| L1940461-3    | CV079-US  | 11-Jun-17    | Total Dissolved Solids | 55     | mg/L     | ALS |
| L1940461-3    | CV079-US  | 11-Jun-17    | Turbidity              | 2.19   | NTU      | ALS |
| L1943997-43   | CV079-US  | 17-Jun-17    | pH                     | 7.78   | pH units | ALS |
| L1943997-43   | CV079-US  | 17-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1943997-43   | CV079-US  | 17-Jun-17    | Total Dissolved Solids | 49     | mg/L     | ALS |
| L1943997-43   | CV079-US  | 17-Jun-17    | Turbidity              | 1.04   | NTU      | ALS |
| L1948004-5    | CV079-US  | 20-Jun-17    | pH                     | 7.63   | pH units | ALS |
| L1948004-5    | CV079-US  | 20-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948004-5    | CV079-US  | 20-Jun-17    | Total Dissolved Solids | 29     | mg/L     | ALS |
| L1948004-5    | CV079-US  | 20-Jun-17    | Turbidity              | 0.69   | NTU      | ALS |
| L1948077-7    | CV079-US  | 23-Jun-17    | pH                     | 8.06   | pH units | ALS |
| L1948077-7    | CV079-US  | 23-Jun-17    | Total Suspended Solids | 24.2   | mg/L     | ALS |
| L1948077-7    | CV079-US  | 23-Jun-17    | Total Dissolved Solids | 29     | mg/L     | ALS |
| L1948077-7    | CV079-US  | 23-Jun-17    | Turbidity              | 1.94   | NTU      | ALS |
| L1954099-6    | CV079-US  | 1-Jul-17     | pH                     | 7.83   | pH units | ALS |
| L1954099-6    | CV079-US  | 1-Jul-17     | Total Suspended Solids | 5.5    | mg/L     | ALS |
| L1954099-6    | CV079-US  | 1-Jul-17     | Total Dissolved Solids | 52     | mg/L     | ALS |
| L1954099-6    | CV079-US  | 1-Jul-17     | Turbidity              | 1.61   | NTU      | ALS |
| L1940461-4    | CV079-DS  | 11-Jun-17    | pH                     | 7.98   | pH units | ALS |
| L1940461-4    | CV079-DS  | 11-Jun-17    | Total Suspended Solids | 71.1   | mg/L     | ALS |
| L1940461-4    | CV079-DS  | 11-Jun-17    | Total Dissolved Solids | 80     | mg/L     | ALS |
| L1940461-4    | CV079-DS  | 11-Jun-17    | Turbidity              | 71.3   | NTU      | ALS |

**Table B.2.4 - Water Quality Monitoring for Tote Road Water Crossings**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1943997-42   | CV079-DS  | 17-Jun-17    | pH                     | 7.95   | pH units | ALS |
| L1943997-42   | CV079-DS  | 17-Jun-17    | Total Suspended Solids | 13     | mg/L     | ALS |
| L1943997-42   | CV079-DS  | 17-Jun-17    | Total Dissolved Solids | 55     | mg/L     | ALS |
| L1943997-42   | CV079-DS  | 17-Jun-17    | Turbidity              | 2.4    | NTU      | ALS |
| L1948004-6    | CV079-DS  | 20-Jun-17    | pH                     | 7.58   | pH units | ALS |
| L1948004-6    | CV079-DS  | 20-Jun-17    | Total Suspended Solids | 2.5    | mg/L     | ALS |
| L1948004-6    | CV079-DS  | 20-Jun-17    | Total Dissolved Solids | 29     | mg/L     | ALS |
| L1948004-6    | CV079-DS  | 20-Jun-17    | Turbidity              | 0.72   | NTU      | ALS |
| L1948077-8    | CV079-DS  | 23-Jun-17    | pH                     | 8.01   | pH units | ALS |
| L1948077-8    | CV079-DS  | 23-Jun-17    | Total Suspended Solids | 13.5   | mg/L     | ALS |
| L1948077-8    | CV079-DS  | 23-Jun-17    | Total Dissolved Solids | 25     | mg/L     | ALS |
| L1948077-8    | CV079-DS  | 23-Jun-17    | Turbidity              | 2.43   | NTU      | ALS |
| L1954099-5    | CV079-DS  | 1-Jul-17     | pH                     | 7.88   | pH units | ALS |
| L1954099-5    | CV079-DS  | 1-Jul-17     | Total Suspended Solids | 6.1    | mg/L     | ALS |
| L1954099-5    | CV079-DS  | 1-Jul-17     | Total Dissolved Solids | 51     | mg/L     | ALS |
| L1954099-5    | CV079-DS  | 1-Jul-17     | Turbidity              | 1.89   | NTU      | ALS |
| L1933186-22   | CV080-US  | 29-May-17    | pH                     | 8.17   | pH units | ALS |
| L1933186-22   | CV080-US  | 29-May-17    | Total Suspended Solids | 11.6   | mg/L     | ALS |
| L1933186-22   | CV080-US  | 29-May-17    | Total Dissolved Solids | 25     | mg/L     | ALS |
| L1933186-22   | CV080-US  | 29-May-17    | Turbidity              | 21.2   | NTU      | ALS |
| L1933186-20   | CV080-DS  | 29-May-17    | pH                     | 8.21   | pH units | ALS |
| L1933186-20   | CV080-DS  | 29-May-17    | Total Suspended Solids | 64.8   | mg/L     | ALS |
| L1933186-20   | CV080-DS  | 29-May-17    | Total Dissolved Solids | 35     | mg/L     | ALS |
| L1933186-20   | CV080-DS  | 29-May-17    | Turbidity              | 40.8   | NTU      | ALS |
| L1940461-1    | CV087-US  | 11-Jun-17    | pH                     | 7.67   | pH units | ALS |
| L1940461-1    | CV087-US  | 11-Jun-17    | Total Suspended Solids | 3.8    | mg/L     | ALS |
| L1940461-1    | CV087-US  | 11-Jun-17    | Total Dissolved Solids | 42     | mg/L     | ALS |
| L1940461-1    | CV087-US  | 11-Jun-17    | Turbidity              | 1.54   | NTU      | ALS |
| L1944004-47   | CV087-US  | 17-Jun-17    | pH                     | 7.78   | pH units | ALS |
| L1944004-47   | CV087-US  | 17-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1944004-47   | CV087-US  | 17-Jun-17    | Total Dissolved Solids | 77     | mg/L     | ALS |
| L1944004-47   | CV087-US  | 17-Jun-17    | Turbidity              | 0.33   | NTU      | ALS |
| L1948077-19   | CV087-US  | 23-Jun-17    | pH                     | 7.7    | pH units | ALS |
| L1948077-19   | CV087-US  | 23-Jun-17    | Total Suspended Solids | 4.6    | mg/L     | ALS |
| L1948077-19   | CV087-US  | 23-Jun-17    | Total Dissolved Solids | 36     | mg/L     | ALS |
| L1948077-19   | CV087-US  | 23-Jun-17    | Turbidity              | 0.32   | NTU      | ALS |
| L1954099-36   | CV087-US  | 1-Jul-17     | pH                     | 8.06   | pH units | ALS |
| L1954099-36   | CV087-US  | 1-Jul-17     | Total Suspended Solids | 4.1    | mg/L     | ALS |
| L1954099-36   | CV087-US  | 1-Jul-17     | Total Dissolved Solids | 70     | mg/L     | ALS |
| L1954099-36   | CV087-US  | 1-Jul-17     | Turbidity              | 0.28   | NTU      | ALS |
| L1937815-22   | CV087-DS  | 3-Jun-17     | pH                     | 7.78   | pH units | ALS |
| L1937815-22   | CV087-DS  | 3-Jun-17     | Total Suspended Solids | 39.2   | mg/L     | ALS |
| L1937815-22   | CV087-DS  | 3-Jun-17     | Total Dissolved Solids | 79     | mg/L     | ALS |
| L1937815-22   | CV087-DS  | 3-Jun-17     | Turbidity              | 35.3   | NTU      | ALS |
| L1940461-2    | CV087-DS  | 11-Jun-17    | pH                     | 7.93   | pH units | ALS |
| L1940461-2    | CV087-DS  | 11-Jun-17    | Total Suspended Solids | 35.4   | mg/L     | ALS |
| L1940461-2    | CV087-DS  | 11-Jun-17    | Total Dissolved Solids | 69     | mg/L     | ALS |
| L1940461-2    | CV087-DS  | 11-Jun-17    | Turbidity              | 38.1   | NTU      | ALS |
| L1944004-48   | CV087-DS  | 17-Jun-17    | pH                     | 7.95   | pH units | ALS |
| L1944004-48   | CV087-DS  | 17-Jun-17    | Total Suspended Solids | 28.9   | mg/L     | ALS |
| L1944004-48   | CV087-DS  | 17-Jun-17    | Total Dissolved Solids | 66     | mg/L     | ALS |
| L1944004-48   | CV087-DS  | 17-Jun-17    | Turbidity              | 8.27   | NTU      | ALS |
| L1948077-20   | CV087-DS  | 23-Jun-17    | pH                     | 7.77   | pH units | ALS |
| L1948077-20   | CV087-DS  | 23-Jun-17    | Total Suspended Solids | 2.5    | mg/L     | ALS |
| L1948077-20   | CV087-DS  | 23-Jun-17    | Total Dissolved Solids | 50     | mg/L     | ALS |
| L1948077-20   | CV087-DS  | 23-Jun-17    | Turbidity              | 0.63   | NTU      | ALS |
| L1954099-35   | CV087-DS  | 1-Jul-17     | pH                     | 8.05   | pH units | ALS |
| L1954099-35   | CV087-DS  | 1-Jul-17     | Total Suspended Solids | 2.6    | mg/L     | ALS |
| L1954099-35   | CV087-DS  | 1-Jul-17     | Total Dissolved Solids | 69     | mg/L     | ALS |
| L1954099-35   | CV087-DS  | 1-Jul-17     | Turbidity              | 0.22   | NTU      | ALS |
| L1953941-6    | CV093-US  | 29-May-17    | pH                     | 8.13   | pH units | ALS |
| L1953941-6    | CV093-US  | 29-May-17    | Total Suspended Solids | 2.1    | mg/L     | ALS |
| L1953941-6    | CV093-US  | 29-May-17    | Total Dissolved Solids | 89     | mg/L     | ALS |
| L1953941-6    | CV093-US  | 29-May-17    | Turbidity              | 0.31   | NTU      | ALS |

**Table B.2.4 - Water Quality Monitoring for Tote Road Water Crossings**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1953941-5    | CV093-DS  | 29-May-17    | pH                     | 8.14   | pH units | ALS |
| L1953941-5    | CV093-DS  | 29-May-17    | Total Suspended Solids | 5.5    | mg/L     | ALS |
| L1953941-5    | CV093-DS  | 29-May-17    | Total Dissolved Solids | 86     | mg/L     | ALS |
| L1953941-5    | CV093-DS  | 29-May-17    | Turbidity              | 1.74   | NTU      | ALS |
| L1940442-7    | CV099-US  | 10-Jun-17    | pH                     | 7.92   | pH units | ALS |
| L1940442-7    | CV099-US  | 10-Jun-17    | Total Suspended Solids | 3.7    | mg/L     | ALS |
| L1940442-7    | CV099-US  | 10-Jun-17    | Total Dissolved Solids | 67     | mg/L     | ALS |
| L1940442-7    | CV099-US  | 10-Jun-17    | Turbidity              | 4.26   | NTU      | ALS |
| L1943997-17   | CV099-US  | 16-Jun-17    | pH                     | 7.75   | pH units | ALS |
| L1943997-17   | CV099-US  | 16-Jun-17    | Total Suspended Solids | 16.4   | mg/L     | ALS |
| L1943997-17   | CV099-US  | 16-Jun-17    | Total Dissolved Solids | 54     | mg/L     | ALS |
| L1943997-17   | CV099-US  | 16-Jun-17    | Turbidity              | 3.31   | NTU      | ALS |
| L1948077-21   | CV099-US  | 23-Jun-17    | pH                     | 7.63   | pH units | ALS |
| L1948077-21   | CV099-US  | 23-Jun-17    | Total Suspended Solids | 9.3    | mg/L     | ALS |
| L1948077-21   | CV099-US  | 23-Jun-17    | Total Dissolved Solids | 30     | mg/L     | ALS |
| L1948077-21   | CV099-US  | 23-Jun-17    | Turbidity              | 1.46   | NTU      | ALS |
| L1953932-6    | CV099-US  | 29-Jun-17    | pH                     | 7.66   | pH units | ALS |
| L1953932-6    | CV099-US  | 29-Jun-17    | Total Suspended Solids | 11.6   | mg/L     | ALS |
| L1953932-6    | CV099-US  | 29-Jun-17    | Total Dissolved Solids | 46     | mg/L     | ALS |
| L1953932-6    | CV099-US  | 29-Jun-17    | Turbidity              | 2.75   | NTU      | ALS |
| L1953941-8    | CV099-US  | 29-Jun-17    | pH                     | 7.8    | pH units | ALS |
| L1953941-8    | CV099-US  | 29-Jun-17    | Total Suspended Solids | 11.3   | mg/L     | ALS |
| L1953941-8    | CV099-US  | 29-Jun-17    | Total Dissolved Solids | 36     | mg/L     | ALS |
| L1953941-8    | CV099-US  | 29-Jun-17    | Turbidity              | 1.93   | NTU      | ALS |
| L1937815-20   | CV099-DS  | 3-Jun-17     | pH                     | 7.84   | pH units | ALS |
| L1937815-20   | CV099-DS  | 3-Jun-17     | Total Suspended Solids | 15.8   | mg/L     | ALS |
| L1937815-20   | CV099-DS  | 3-Jun-17     | Total Dissolved Solids | 71     | mg/L     | ALS |
| L1937815-20   | CV099-DS  | 3-Jun-17     | Turbidity              | 26.5   | NTU      | ALS |
| L1940442-4    | CV099-DS  | 10-Jun-17    | pH                     | 7.97   | pH units | ALS |
| L1940442-4    | CV099-DS  | 10-Jun-17    | Total Suspended Solids | 29.6   | mg/L     | ALS |
| L1940442-4    | CV099-DS  | 10-Jun-17    | Total Dissolved Solids | 57     | mg/L     | ALS |
| L1940442-4    | CV099-DS  | 10-Jun-17    | Turbidity              | 14.3   | NTU      | ALS |
| L1943997-18   | CV099-DS  | 16-Jun-17    | pH                     | 7.74   | pH units | ALS |
| L1943997-18   | CV099-DS  | 16-Jun-17    | Total Suspended Solids | 15.2   | mg/L     | ALS |
| L1943997-18   | CV099-DS  | 16-Jun-17    | Total Dissolved Solids | 42     | mg/L     | ALS |
| L1943997-18   | CV099-DS  | 16-Jun-17    | Turbidity              | 3.39   | NTU      | ALS |
| L1948077-22   | CV099-DS  | 23-Jun-17    | pH                     | 7.55   | pH units | ALS |
| L1948077-22   | CV099-DS  | 23-Jun-17    | Total Suspended Solids | 7.1    | mg/L     | ALS |
| L1948077-22   | CV099-DS  | 23-Jun-17    | Total Dissolved Solids | 31     | mg/L     | ALS |
| L1948077-22   | CV099-DS  | 23-Jun-17    | Turbidity              | 1.22   | NTU      | ALS |
| L1953932-5    | CV099-DS  | 29-Jun-17    | pH                     | 7.77   | pH units | ALS |
| L1953932-5    | CV099-DS  | 29-Jun-17    | Total Suspended Solids | 7.7    | mg/L     | ALS |
| L1953932-5    | CV099-DS  | 29-Jun-17    | Total Dissolved Solids | 43     | mg/L     | ALS |
| L1953932-5    | CV099-DS  | 29-Jun-17    | Turbidity              | 2.15   | NTU      | ALS |
| L1953941-7    | CV099-DS  | 29-Jun-17    | pH                     | 7.8    | pH units | ALS |
| L1953941-7    | CV099-DS  | 29-Jun-17    | Total Suspended Solids | 13.6   | mg/L     | ALS |
| L1953941-7    | CV099-DS  | 29-Jun-17    | Total Dissolved Solids | 38     | mg/L     | ALS |
| L1953941-7    | CV099-DS  | 29-Jun-17    | Turbidity              | 2.43   | NTU      | ALS |
| L1933186-21   | CV100-DS  | 28-May-17    | pH                     | 7.94   | pH units | ALS |
| L1933186-21   | CV100-DS  | 28-May-17    | Total Suspended Solids | 9.6    | mg/L     | ALS |
| L1933186-21   | CV100-DS  | 28-May-17    | Total Dissolved Solids | 30     | mg/L     | ALS |
| L1933186-21   | CV100-DS  | 28-May-17    | Turbidity              | 25.2   | NTU      | ALS |
| L1933186-23   | CV102-US  | 28-May-17    | pH                     | 7.9    | pH units | ALS |
| L1933186-23   | CV102-US  | 28-May-17    | Total Suspended Solids | 9.2    | mg/L     | ALS |
| L1933186-23   | CV102-US  | 28-May-17    | Total Dissolved Solids | 45     | mg/L     | ALS |
| L1933186-23   | CV102-US  | 28-May-17    | Turbidity              | 18     | NTU      | ALS |
| L1937815-7    | CV102-US  | 3-Jun-17     | pH                     | 8.13   | pH units | ALS |
| L1937815-7    | CV102-US  | 3-Jun-17     | Total Suspended Solids | 66.7   | mg/L     | ALS |
| L1937815-7    | CV102-US  | 3-Jun-17     | Total Dissolved Solids | 88     | mg/L     | ALS |
| L1937815-7    | CV102-US  | 3-Jun-17     | Turbidity              | 82.6   | NTU      | ALS |
| L1943997-19   | CV102-US  | 16-Jun-17    | pH                     | 7.91   | pH units | ALS |
| L1943997-19   | CV102-US  | 16-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1943997-19   | CV102-US  | 16-Jun-17    | Total Dissolved Solids | 66     | mg/L     | ALS |
| L1943997-19   | CV102-US  | 16-Jun-17    | Turbidity              | 1.08   | NTU      | ALS |

**Table B.2.4 - Water Quality Monitoring for Tote Road Water Crossings**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1948077-16   | CV102-US  | 23-Jun-17    | pH                     | 8.03   | pH units | ALS |
| L1948077-16   | CV102-US  | 23-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-16   | CV102-US  | 23-Jun-17    | Total Dissolved Solids | 79     | mg/L     | ALS |
| L1948077-16   | CV102-US  | 23-Jun-17    | Turbidity              | 0.47   | NTU      | ALS |
| L1954099-14   | CV102-US  | 1-Jul-17     | pH                     | 8.11   | pH units | ALS |
| L1954099-14   | CV102-US  | 1-Jul-17     | Total Suspended Solids | 2.4    | mg/L     | ALS |
| L1954099-14   | CV102-US  | 1-Jul-17     | Total Dissolved Solids | 107    | mg/L     | ALS |
| L1954099-14   | CV102-US  | 1-Jul-17     | Turbidity              | 0.65   | NTU      | ALS |
| L1933186-18   | CV102-DS  | 28-May-17    | pH                     | 7.93   | pH units | ALS |
| L1933186-18   | CV102-DS  | 28-May-17    | Total Suspended Solids | 11.6   | mg/L     | ALS |
| L1933186-18   | CV102-DS  | 28-May-17    | Total Dissolved Solids | 50     | mg/L     | ALS |
| L1933186-18   | CV102-DS  | 28-May-17    | Turbidity              | 19.1   | NTU      | ALS |
| L1937815-8    | CV102-DS  | 3-Jun-17     | pH                     | 8.12   | pH units | ALS |
| L1937815-8    | CV102-DS  | 3-Jun-17     | Total Suspended Solids | 75.6   | mg/L     | ALS |
| L1937815-8    | CV102-DS  | 3-Jun-17     | Total Dissolved Solids | 91     | mg/L     | ALS |
| L1937815-8    | CV102-DS  | 3-Jun-17     | Turbidity              | 98.2   | NTU      | ALS |
| L1943997-20   | CV102-DS  | 16-Jun-17    | pH                     | 7.88   | pH units | ALS |
| L1943997-20   | CV102-DS  | 16-Jun-17    | Total Suspended Solids | 4.3    | mg/L     | ALS |
| L1943997-20   | CV102-DS  | 16-Jun-17    | Total Dissolved Solids | 65     | mg/L     | ALS |
| L1943997-20   | CV102-DS  | 16-Jun-17    | Turbidity              | 0.98   | NTU      | ALS |
| L1948077-15   | CV102-DS  | 23-Jun-17    | pH                     | 7.98   | pH units | ALS |
| L1948077-15   | CV102-DS  | 23-Jun-17    | Total Suspended Solids | 2.5    | mg/L     | ALS |
| L1948077-15   | CV102-DS  | 23-Jun-17    | Total Dissolved Solids | 79     | mg/L     | ALS |
| L1948077-15   | CV102-DS  | 23-Jun-17    | Turbidity              | 0.51   | NTU      | ALS |
| L1954099-13   | CV102-DS  | 1-Jul-17     | pH                     | 8.13   | pH units | ALS |
| L1954099-13   | CV102-DS  | 1-Jul-17     | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954099-13   | CV102-DS  | 1-Jul-17     | Total Dissolved Solids | 117    | mg/L     | ALS |
| L1954099-13   | CV102-DS  | 1-Jul-17     | Turbidity              | 0.37   | NTU      | ALS |
| L1937815-11   | CV104-US  | 3-Jun-17     | pH                     | 7.98   | pH units | ALS |
| L1937815-11   | CV104-US  | 3-Jun-17     | Total Suspended Solids | 53.4   | mg/L     | ALS |
| L1937815-11   | CV104-US  | 3-Jun-17     | Total Dissolved Solids | 55     | mg/L     | ALS |
| L1937815-11   | CV104-US  | 3-Jun-17     | Turbidity              | 74.2   | NTU      | ALS |
| L1940442-10   | CV104-US  | 10-Jun-17    | pH                     | 7.84   | pH units | ALS |
| L1940442-10   | CV104-US  | 10-Jun-17    | Total Suspended Solids | 3.4    | mg/L     | ALS |
| L1940442-10   | CV104-US  | 10-Jun-17    | Total Dissolved Solids | 59     | mg/L     | ALS |
| L1940442-10   | CV104-US  | 10-Jun-17    | Turbidity              | 2.45   | NTU      | ALS |
| L1944004-45   | CV104-US  | 17-Jun-17    | pH                     | 7.64   | pH units | ALS |
| L1944004-45   | CV104-US  | 17-Jun-17    | Total Suspended Solids | 4.1    | mg/L     | ALS |
| L1944004-45   | CV104-US  | 17-Jun-17    | Total Dissolved Solids | 34     | mg/L     | ALS |
| L1944004-45   | CV104-US  | 17-Jun-17    | Turbidity              | 1.2    | NTU      | ALS |
| L1948077-18   | CV104-US  | 23-Jun-17    | pH                     | 7.81   | pH units | ALS |
| L1948077-18   | CV104-US  | 23-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-18   | CV104-US  | 23-Jun-17    | Total Dissolved Solids | 57     | mg/L     | ALS |
| L1948077-18   | CV104-US  | 23-Jun-17    | Turbidity              | 0.46   | NTU      | ALS |
| L1954099-24   | CV104-US  | 1-Jul-17     | pH                     | 8.01   | pH units | ALS |
| L1954099-24   | CV104-US  | 1-Jul-17     | Total Suspended Solids | 2.5    | mg/L     | ALS |
| L1954099-24   | CV104-US  | 1-Jul-17     | Total Dissolved Solids | 61     | mg/L     | ALS |
| L1954099-24   | CV104-US  | 1-Jul-17     | Turbidity              | 0.19   | NTU      | ALS |
| L1933186-17   | CV104-DS  | 28-May-17    | pH                     | 7.99   | pH units | ALS |
| L1933186-17   | CV104-DS  | 28-May-17    | Total Suspended Solids | 16.4   | mg/L     | ALS |
| L1933186-17   | CV104-DS  | 28-May-17    | Total Dissolved Solids | 75     | mg/L     | ALS |
| L1933186-17   | CV104-DS  | 28-May-17    | Turbidity              | 16.9   | NTU      | ALS |
| L1937815-12   | CV104-DS  | 3-Jun-17     | pH                     | 8.05   | pH units | ALS |
| L1937815-12   | CV104-DS  | 3-Jun-17     | Total Suspended Solids | 86.4   | mg/L     | ALS |
| L1937815-12   | CV104-DS  | 3-Jun-17     | Total Dissolved Solids | 73     | mg/L     | ALS |
| L1937815-12   | CV104-DS  | 3-Jun-17     | Turbidity              | 102    | NTU      | ALS |
| L1940442-5    | CV104-DS  | 10-Jun-17    | pH                     | 7.88   | pH units | ALS |
| L1940442-5    | CV104-DS  | 10-Jun-17    | Total Suspended Solids | 38.2   | mg/L     | ALS |
| L1940442-5    | CV104-DS  | 10-Jun-17    | Total Dissolved Solids | 63     | mg/L     | ALS |
| L1940442-5    | CV104-DS  | 10-Jun-17    | Turbidity              | 10.4   | NTU      | ALS |
| L1944004-46   | CV104-DS  | 17-Jun-17    | pH                     | 7.64   | pH units | ALS |
| L1944004-46   | CV104-DS  | 17-Jun-17    | Total Suspended Solids | 3      | mg/L     | ALS |
| L1944004-46   | CV104-DS  | 17-Jun-17    | Total Dissolved Solids | 43     | mg/L     | ALS |
| L1944004-46   | CV104-DS  | 17-Jun-17    | Turbidity              | 1.27   | NTU      | ALS |

**Table B.2.4 - Water Quality Monitoring for Tote Road Water Crossings**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1948077-17   | CV104-DS  | 23-Jun-17    | pH                     | 7.78   | pH units | ALS |
| L1948077-17   | CV104-DS  | 23-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-17   | CV104-DS  | 23-Jun-17    | Total Dissolved Solids | 59     | mg/L     | ALS |
| L1948077-17   | CV104-DS  | 23-Jun-17    | Turbidity              | 0.55   | NTU      | ALS |
| L1954099-23   | CV104-DS  | 1-Jul-17     | pH                     | 8      | pH units | ALS |
| L1954099-23   | CV104-DS  | 1-Jul-17     | Total Suspended Solids | 3.7    | mg/L     | ALS |
| L1954099-23   | CV104-DS  | 1-Jul-17     | Total Dissolved Solids | 67     | mg/L     | ALS |
| L1954099-23   | CV104-DS  | 1-Jul-17     | Turbidity              | 0.28   | NTU      | ALS |
| L1933186-25   | CV106-US  | 28-May-17    | pH                     | 7.93   | pH units | ALS |
| L1933186-25   | CV106-US  | 28-May-17    | Total Suspended Solids | 9.2    | mg/L     | ALS |
| L1933186-25   | CV106-US  | 28-May-17    | Total Dissolved Solids | 25     | mg/L     | ALS |
| L1933186-25   | CV106-US  | 28-May-17    | Turbidity              | 22.9   | NTU      | ALS |
| L1937815-3    | CV106-US  | 3-Jun-17     | pH                     | 8.05   | pH units | ALS |
| L1937815-3    | CV106-US  | 3-Jun-17     | Total Suspended Solids | 60.6   | mg/L     | ALS |
| L1937815-3    | CV106-US  | 3-Jun-17     | Total Dissolved Solids | 52     | mg/L     | ALS |
| L1937815-3    | CV106-US  | 3-Jun-17     | Turbidity              | 97.7   | NTU      | ALS |
| L1940442-8    | CV106-US  | 10-Jun-17    | pH                     | 7.65   | pH units | ALS |
| L1940442-8    | CV106-US  | 10-Jun-17    | Total Suspended Solids | 3      | mg/L     | ALS |
| L1940442-8    | CV106-US  | 10-Jun-17    | Total Dissolved Solids | 26     | mg/L     | ALS |
| L1940442-8    | CV106-US  | 10-Jun-17    | Turbidity              | 4.24   | NTU      | ALS |
| L1944004-43   | CV106-US  | 17-Jun-17    | pH                     | 7.76   | pH units | ALS |
| L1944004-43   | CV106-US  | 17-Jun-17    | Total Suspended Solids | 5.9    | mg/L     | ALS |
| L1944004-43   | CV106-US  | 17-Jun-17    | Total Dissolved Solids | 56     | mg/L     | ALS |
| L1944004-43   | CV106-US  | 17-Jun-17    | Turbidity              | 1.82   | NTU      | ALS |
| L1948077-27   | CV106-US  | 23-Jun-17    | pH                     | 7.63   | pH units | ALS |
| L1948077-27   | CV106-US  | 23-Jun-17    | Total Suspended Solids | 2.7    | mg/L     | ALS |
| L1948077-27   | CV106-US  | 23-Jun-17    | Total Dissolved Solids | 44     | mg/L     | ALS |
| L1948077-27   | CV106-US  | 23-Jun-17    | Turbidity              | 1.34   | NTU      | ALS |
| L1954099-2    | CV106-US  | 1-Jul-17     | pH                     | 7.82   | pH units | ALS |
| L1954099-2    | CV106-US  | 1-Jul-17     | Total Suspended Solids | 3      | mg/L     | ALS |
| L1954099-2    | CV106-US  | 1-Jul-17     | Total Dissolved Solids | 53     | mg/L     | ALS |
| L1954099-2    | CV106-US  | 1-Jul-17     | Turbidity              | 0.93   | NTU      | ALS |
| L1937815-4    | CV106-DS  | 3-Jun-17     | pH                     | 8.08   | pH units | ALS |
| L1937815-4    | CV106-DS  | 3-Jun-17     | Total Suspended Solids | 142    | mg/L     | ALS |
| L1937815-4    | CV106-DS  | 3-Jun-17     | Total Dissolved Solids | 63     | mg/L     | ALS |
| L1937815-4    | CV106-DS  | 3-Jun-17     | Turbidity              | 103    | NTU      | ALS |
| L1940442-12   | CV106-DS  | 10-Jun-17    | pH                     | 7.76   | pH units | ALS |
| L1940442-12   | CV106-DS  | 10-Jun-17    | Total Suspended Solids | 22.3   | mg/L     | ALS |
| L1940442-12   | CV106-DS  | 10-Jun-17    | Total Dissolved Solids | 34     | mg/L     | ALS |
| L1940442-12   | CV106-DS  | 10-Jun-17    | Turbidity              | 11     | NTU      | ALS |
| L1944004-44   | CV106-DS  | 17-Jun-17    | pH                     | 7.83   | pH units | ALS |
| L1944004-44   | CV106-DS  | 17-Jun-17    | Total Suspended Solids | 4      | mg/L     | ALS |
| L1944004-44   | CV106-DS  | 17-Jun-17    | Total Dissolved Solids | 52     | mg/L     | ALS |
| L1944004-44   | CV106-DS  | 17-Jun-17    | Turbidity              | 1.67   | NTU      | ALS |
| L1948077-1    | CV106-DS  | 23-Jun-17    | pH                     | 7.69   | pH units | ALS |
| L1948077-1    | CV106-DS  | 23-Jun-17    | Total Suspended Solids | 8.6    | mg/L     | ALS |
| L1948077-1    | CV106-DS  | 23-Jun-17    | Total Dissolved Solids | 23     | mg/L     | ALS |
| L1948077-1    | CV106-DS  | 23-Jun-17    | Turbidity              | 1.5    | NTU      | ALS |
| L1954099-1    | CV106-DS  | 1-Jul-17     | pH                     | 7.97   | pH units | ALS |
| L1954099-1    | CV106-DS  | 1-Jul-17     | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954099-1    | CV106-DS  | 1-Jul-17     | Total Dissolved Solids | 58     | mg/L     | ALS |
| L1954099-1    | CV106-DS  | 1-Jul-17     | Turbidity              | 1.13   | NTU      | ALS |
| L1933186-24   | CV111-US  | 28-May-17    | pH                     | 8.12   | pH units | ALS |
| L1933186-24   | CV111-US  | 28-May-17    | Total Suspended Solids | 28.4   | mg/L     | ALS |
| L1933186-24   | CV111-US  | 28-May-17    | Total Dissolved Solids | 25     | mg/L     | ALS |
| L1933186-24   | CV111-US  | 28-May-17    | Turbidity              | 50.9   | NTU      | ALS |
| L1944004-41   | CV111-US  | 17-Jun-17    | pH                     | 7.79   | pH units | ALS |
| L1944004-41   | CV111-US  | 17-Jun-17    | Total Suspended Solids | 4.9    | mg/L     | ALS |
| L1944004-41   | CV111-US  | 17-Jun-17    | Total Dissolved Solids | 57     | mg/L     | ALS |
| L1944004-41   | CV111-US  | 17-Jun-17    | Turbidity              | 0.93   | NTU      | ALS |
| L1948077-14   | CV111-US  | 23-Jun-17    | pH                     | 7.67   | pH units | ALS |
| L1948077-14   | CV111-US  | 23-Jun-17    | Total Suspended Solids | 12.4   | mg/L     | ALS |
| L1948077-14   | CV111-US  | 23-Jun-17    | Total Dissolved Solids | 24     | mg/L     | ALS |
| L1948077-14   | CV111-US  | 23-Jun-17    | Turbidity              | 3.67   | NTU      | ALS |

**Table B.2.4 - Water Quality Monitoring for Tote Road Water Crossings**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1954099-34   | CV111-US  | 1-Jul-17     | pH                     | 7.95   | pH units | ALS |
| L1954099-34   | CV111-US  | 1-Jul-17     | Total Suspended Solids | 3.9    | mg/L     | ALS |
| L1954099-34   | CV111-US  | 1-Jul-17     | Total Dissolved Solids | 50     | mg/L     | ALS |
| L1954099-34   | CV111-US  | 1-Jul-17     | Turbidity              | 0.46   | NTU      | ALS |
| L1933186-26   | CV111-DS  | 28-May-17    | pH                     | 8.05   | pH units | ALS |
| L1933186-26   | CV111-DS  | 28-May-17    | Total Suspended Solids | 10.4   | mg/L     | ALS |
| L1933186-26   | CV111-DS  | 28-May-17    | Total Dissolved Solids | 25     | mg/L     | ALS |
| L1933186-26   | CV111-DS  | 28-May-17    | Turbidity              | 51.9   | NTU      | ALS |
| L1937815-19   | CV111-DS  | 3-Jun-17     | pH                     | 7.97   | pH units | ALS |
| L1937815-19   | CV111-DS  | 3-Jun-17     | Total Suspended Solids | 35.5   | mg/L     | ALS |
| L1937815-19   | CV111-DS  | 3-Jun-17     | Total Dissolved Solids | 78     | mg/L     | ALS |
| L1937815-19   | CV111-DS  | 3-Jun-17     | Turbidity              | 103    | NTU      | ALS |
| L1940442-19   | CV111-DS  | 10-Jun-17    | pH                     | 8.1    | pH units | ALS |
| L1940442-19   | CV111-DS  | 10-Jun-17    | Total Suspended Solids | 38.2   | mg/L     | ALS |
| L1940442-19   | CV111-DS  | 10-Jun-17    | Total Dissolved Solids | 112    | mg/L     | ALS |
| L1940442-19   | CV111-DS  | 10-Jun-17    | Turbidity              | 121    | NTU      | ALS |
| L1944004-42   | CV111-DS  | 17-Jun-17    | pH                     | 7.84   | pH units | ALS |
| L1944004-42   | CV111-DS  | 17-Jun-17    | Total Suspended Solids | 14.5   | mg/L     | ALS |
| L1944004-42   | CV111-DS  | 17-Jun-17    | Total Dissolved Solids | 65     | mg/L     | ALS |
| L1944004-42   | CV111-DS  | 17-Jun-17    | Turbidity              | 1.85   | NTU      | ALS |
| L1948077-13   | CV111-DS  | 23-Jun-17    | pH                     | 7.64   | pH units | ALS |
| L1948077-13   | CV111-DS  | 23-Jun-17    | Total Suspended Solids | 22.9   | mg/L     | ALS |
| L1948077-13   | CV111-DS  | 23-Jun-17    | Total Dissolved Solids | 40     | mg/L     | ALS |
| L1948077-13   | CV111-DS  | 23-Jun-17    | Turbidity              | 2.89   | NTU      | ALS |
| L1954099-33   | CV111-DS  | 1-Jul-17     | pH                     | 7.95   | pH units | ALS |
| L1954099-33   | CV111-DS  | 1-Jul-17     | Total Suspended Solids | 3.7    | mg/L     | ALS |
| L1954099-33   | CV111-DS  | 1-Jul-17     | Total Dissolved Solids | 59     | mg/L     | ALS |
| L1954099-33   | CV111-DS  | 1-Jul-17     | Turbidity              | 0.42   | NTU      | ALS |
| L1933186-28   | CV112-US  | 28-May-17    | pH                     | 7.75   | pH units | ALS |
| L1933186-28   | CV112-US  | 28-May-17    | Total Suspended Solids | 11.2   | mg/L     | ALS |
| L1933186-28   | CV112-US  | 28-May-17    | Total Dissolved Solids | 85     | mg/L     | ALS |
| L1933186-28   | CV112-US  | 28-May-17    | Turbidity              | 8.11   | NTU      | ALS |
| L1937815-13   | CV112-US  | 3-Jun-17     | pH                     | 8.01   | pH units | ALS |
| L1937815-13   | CV112-US  | 3-Jun-17     | Total Suspended Solids | 63.2   | mg/L     | ALS |
| L1937815-13   | CV112-US  | 3-Jun-17     | Total Dissolved Solids | 58     | mg/L     | ALS |
| L1937815-13   | CV112-US  | 3-Jun-17     | Turbidity              | 77.4   | NTU      | ALS |
| L1940442-6    | CV112-US  | 10-Jun-17    | pH                     | 7.73   | pH units | ALS |
| L1940442-6    | CV112-US  | 10-Jun-17    | Total Suspended Solids | 3.4    | mg/L     | ALS |
| L1940442-6    | CV112-US  | 10-Jun-17    | Total Dissolved Solids | 24     | mg/L     | ALS |
| L1940442-6    | CV112-US  | 10-Jun-17    | Turbidity              | 8.35   | NTU      | ALS |
| L1944004-39   | CV112-US  | 17-Jun-17    | pH                     | 7.59   | pH units | ALS |
| L1944004-39   | CV112-US  | 17-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1944004-39   | CV112-US  | 17-Jun-17    | Total Dissolved Solids | 41     | mg/L     | ALS |
| L1944004-39   | CV112-US  | 17-Jun-17    | Turbidity              | 1.37   | NTU      | ALS |
| L1948077-10   | CV112-US  | 23-Jun-17    | pH                     | 7.64   | pH units | ALS |
| L1948077-10   | CV112-US  | 23-Jun-17    | Total Suspended Solids | 6      | mg/L     | ALS |
| L1948077-10   | CV112-US  | 23-Jun-17    | Total Dissolved Solids | 39     | mg/L     | ALS |
| L1948077-10   | CV112-US  | 23-Jun-17    | Turbidity              | 1.02   | NTU      | ALS |
| L1953932-20   | CV112-US  | 30-Jun-17    | pH                     | 8      | pH units | ALS |
| L1953932-20   | CV112-US  | 30-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1953932-20   | CV112-US  | 30-Jun-17    | Total Dissolved Solids | 56     | mg/L     | ALS |
| L1953932-20   | CV112-US  | 30-Jun-17    | Turbidity              | 0.33   | NTU      | ALS |
| L1933186-27   | CV112-DS  | 28-May-17    | pH                     | 7.89   | pH units | ALS |
| L1933186-27   | CV112-DS  | 28-May-17    | Total Suspended Solids | 17.6   | mg/L     | ALS |
| L1933186-27   | CV112-DS  | 28-May-17    | Total Dissolved Solids | 80     | mg/L     | ALS |
| L1933186-27   | CV112-DS  | 28-May-17    | Turbidity              | 29.8   | NTU      | ALS |
| L1937815-14   | CV112-DS  | 3-Jun-17     | pH                     | 8.07   | pH units | ALS |
| L1937815-14   | CV112-DS  | 3-Jun-17     | Total Suspended Solids | 228    | mg/L     | ALS |
| L1937815-14   | CV112-DS  | 3-Jun-17     | Total Dissolved Solids | 69     | mg/L     | ALS |
| L1937815-14   | CV112-DS  | 3-Jun-17     | Turbidity              | 161    | NTU      | ALS |
| L1940442-1    | CV112-DS  | 10-Jun-17    | pH                     | 8.19   | pH units | ALS |
| L1940442-1    | CV112-DS  | 10-Jun-17    | Total Suspended Solids | 196    | mg/L     | ALS |
| L1940442-1    | CV112-DS  | 10-Jun-17    | Total Dissolved Solids | 96     | mg/L     | ALS |
| L1940442-1    | CV112-DS  | 10-Jun-17    | Turbidity              | 220    | NTU      | ALS |

Table B.2.4 - Water Quality Monitoring for Tote Road Water Crossings

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1944004-40   | CV112-DS  | 17-Jun-17    | pH                     | 7.7    | pH units | ALS |
| L1944004-40   | CV112-DS  | 17-Jun-17    | Total Suspended Solids | 27.8   | mg/L     | ALS |
| L1944004-40   | CV112-DS  | 17-Jun-17    | Total Dissolved Solids | 38     | mg/L     | ALS |
| L1944004-40   | CV112-DS  | 17-Jun-17    | Turbidity              | 15.6   | NTU      | ALS |
| L1948077-9    | CV112-DS  | 23-Jun-17    | pH                     | 7.7    | pH units | ALS |
| L1948077-9    | CV112-DS  | 23-Jun-17    | Total Suspended Solids | 7.4    | mg/L     | ALS |
| L1948077-9    | CV112-DS  | 23-Jun-17    | Total Dissolved Solids | 38     | mg/L     | ALS |
| L1948077-9    | CV112-DS  | 23-Jun-17    | Turbidity              | 1.37   | NTU      | ALS |
| L1953932-19   | CV112-DS  | 30-Jun-17    | pH                     | 8.01   | pH units | ALS |
| L1953932-19   | CV112-DS  | 30-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1953932-19   | CV112-DS  | 30-Jun-17    | Total Dissolved Solids | 57     | mg/L     | ALS |
| L1953932-19   | CV112-DS  | 30-Jun-17    | Turbidity              | 0.34   | NTU      | ALS |
| L1937815-9    | CV114-US  | 3-Jun-17     | pH                     | 8.21   | pH units | ALS |
| L1937815-9    | CV114-US  | 3-Jun-17     | Total Suspended Solids | 600    | mg/L     | ALS |
| L1937815-9    | CV114-US  | 3-Jun-17     | Total Dissolved Solids | 67     | mg/L     | ALS |
| L1937815-9    | CV114-US  | 3-Jun-17     | Turbidity              | 558    | NTU      | ALS |
| L1944004-37   | CV114-US  | 17-Jun-17    | pH                     | 7.63   | pH units | ALS |
| L1944004-37   | CV114-US  | 17-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1944004-37   | CV114-US  | 17-Jun-17    | Total Dissolved Solids | 39     | mg/L     | ALS |
| L1944004-37   | CV114-US  | 17-Jun-17    | Turbidity              | 1.22   | NTU      | ALS |
| L1948077-23   | CV114-US  | 23-Jun-17    | pH                     | 7.74   | pH units | ALS |
| L1948077-23   | CV114-US  | 23-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-23   | CV114-US  | 23-Jun-17    | Total Dissolved Solids | 56     | mg/L     | ALS |
| L1948077-23   | CV114-US  | 23-Jun-17    | Turbidity              | 0.39   | NTU      | ALS |
| L1953932-16   | CV114-US  | 30-Jun-17    | pH                     | 8.04   | pH units | ALS |
| L1953932-16   | CV114-US  | 30-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1953932-16   | CV114-US  | 30-Jun-17    | Total Dissolved Solids | 64     | mg/L     | ALS |
| L1953932-16   | CV114-US  | 30-Jun-17    | Turbidity              | 0.16   | NTU      | ALS |
| L1933186-29   | CV114-DS  | 28-May-17    | pH                     | 7.94   | pH units | ALS |
| L1933186-29   | CV114-DS  | 28-May-17    | Total Suspended Solids | 18     | mg/L     | ALS |
| L1933186-29   | CV114-DS  | 28-May-17    | Total Dissolved Solids | 35     | mg/L     | ALS |
| L1933186-29   | CV114-DS  | 28-May-17    | Turbidity              | 31.5   | NTU      | ALS |
| L1937815-10   | CV114-DS  | 3-Jun-17     | pH                     | 8.19   | pH units | ALS |
| L1937815-10   | CV114-DS  | 3-Jun-17     | Total Suspended Solids | 702    | mg/L     | ALS |
| L1937815-10   | CV114-DS  | 3-Jun-17     | Total Dissolved Solids | 68     | mg/L     | ALS |
| L1937815-10   | CV114-DS  | 3-Jun-17     | Turbidity              | 551    | NTU      | ALS |
| L1940442-9    | CV114-DS  | 10-Jun-17    | pH                     | 7.87   | pH units | ALS |
| L1940442-9    | CV114-DS  | 10-Jun-17    | Total Suspended Solids | 139    | mg/L     | ALS |
| L1940442-9    | CV114-DS  | 10-Jun-17    | Total Dissolved Solids | 58     | mg/L     | ALS |
| L1940442-9    | CV114-DS  | 10-Jun-17    | Turbidity              | 14.9   | NTU      | ALS |
| L1944004-38   | CV114-DS  | 17-Jun-17    | pH                     | 7.65   | pH units | ALS |
| L1944004-38   | CV114-DS  | 17-Jun-17    | Total Suspended Solids | 4.5    | mg/L     | ALS |
| L1944004-38   | CV114-DS  | 17-Jun-17    | Total Dissolved Solids | 48     | mg/L     | ALS |
| L1944004-38   | CV114-DS  | 17-Jun-17    | Turbidity              | 1.29   | NTU      | ALS |
| L1948077-24   | CV114-DS  | 23-Jun-17    | pH                     | 7.77   | pH units | ALS |
| L1948077-24   | CV114-DS  | 23-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-24   | CV114-DS  | 23-Jun-17    | Total Dissolved Solids | 60     | mg/L     | ALS |
| L1948077-24   | CV114-DS  | 23-Jun-17    | Turbidity              | 0.36   | NTU      | ALS |
| L1953932-15   | CV114-DS  | 30-Jun-17    | pH                     | 8.05   | pH units | ALS |
| L1953932-15   | CV114-DS  | 30-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1953932-15   | CV114-DS  | 30-Jun-17    | Total Dissolved Solids | 72     | mg/L     | ALS |
| L1953932-15   | CV114-DS  | 30-Jun-17    | Turbidity              | 0.21   | NTU      | ALS |
| L1940442-18   | CV128-US  | 10-Jun-17    | pH                     | 7.73   | pH units | ALS |
| L1940442-18   | CV128-US  | 10-Jun-17    | Total Suspended Solids | 14.1   | mg/L     | ALS |
| L1940442-18   | CV128-US  | 10-Jun-17    | Total Dissolved Solids | 31     | mg/L     | ALS |
| L1940442-18   | CV128-US  | 10-Jun-17    | Turbidity              | 8.88   | NTU      | ALS |
| L1944004-35   | CV128-US  | 17-Jun-17    | pH                     | 7.84   | pH units | ALS |
| L1944004-35   | CV128-US  | 17-Jun-17    | Total Suspended Solids | 2.7    | mg/L     | ALS |
| L1944004-35   | CV128-US  | 17-Jun-17    | Total Dissolved Solids | 110    | mg/L     | ALS |
| L1944004-35   | CV128-US  | 17-Jun-17    | Turbidity              | 3.36   | NTU      | ALS |
| L1948077-6    | CV128-US  | 23-Jun-17    | pH                     | 7.96   | pH units | ALS |
| L1948077-6    | CV128-US  | 23-Jun-17    | Total Suspended Solids | 2.9    | mg/L     | ALS |
| L1948077-6    | CV128-US  | 23-Jun-17    | Total Dissolved Solids | 75     | mg/L     | ALS |
| L1948077-6    | CV128-US  | 23-Jun-17    | Turbidity              | 1.03   | NTU      | ALS |

Table B.2.4 - Water Quality Monitoring for Tote Road Water Crossings

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1953932-8    | CV128-US  | 30-Jun-17    | pH                     | 7.81   | pH units | ALS |
| L1953932-8    | CV128-US  | 30-Jun-17    | Total Suspended Solids | 7.2    | mg/L     | ALS |
| L1953932-8    | CV128-US  | 30-Jun-17    | Total Dissolved Solids | 52     | mg/L     | ALS |
| L1953932-8    | CV128-US  | 30-Jun-17    | Turbidity              | 3.84   | NTU      | ALS |
| L1953941-10   | CV128-US  | 30-Jun-17    | pH                     | 7.83   | pH units | ALS |
| L1953941-10   | CV128-US  | 30-Jun-17    | Total Suspended Solids | 8.4    | mg/L     | ALS |
| L1953941-10   | CV128-US  | 30-Jun-17    | Total Dissolved Solids | 37     | mg/L     | ALS |
| L1953941-10   | CV128-US  | 30-Jun-17    | Turbidity              | 2.43   | NTU      | ALS |
| L1940442-17   | CV128-DS  | 10-Jun-17    | pH                     | 7.8    | pH units | ALS |
| L1940442-17   | CV128-DS  | 10-Jun-17    | Total Suspended Solids | 40.2   | mg/L     | ALS |
| L1940442-17   | CV128-DS  | 10-Jun-17    | Total Dissolved Solids | 38     | mg/L     | ALS |
| L1940442-17   | CV128-DS  | 10-Jun-17    | Turbidity              | 45.8   | NTU      | ALS |
| L1944004-36   | CV128-DS  | 17-Jun-17    | pH                     | 7.88   | pH units | ALS |
| L1944004-36   | CV128-DS  | 17-Jun-17    | Total Suspended Solids | 8.1    | mg/L     | ALS |
| L1944004-36   | CV128-DS  | 17-Jun-17    | Total Dissolved Solids | 101    | mg/L     | ALS |
| L1944004-36   | CV128-DS  | 17-Jun-17    | Turbidity              | 2.03   | NTU      | ALS |
| L1953932-7    | CV128-DS  | 30-Jun-17    | pH                     | 7.79   | pH units | ALS |
| L1953932-7    | CV128-DS  | 30-Jun-17    | Total Suspended Solids | 14.1   | mg/L     | ALS |
| L1953932-7    | CV128-DS  | 30-Jun-17    | Total Dissolved Solids | 43     | mg/L     | ALS |
| L1953932-7    | CV128-DS  | 30-Jun-17    | Turbidity              | 4.2    | NTU      | ALS |
| L1953941-9    | CV128-DS  | 30-Jun-17    | pH                     | 7.84   | pH units | ALS |
| L1953941-9    | CV128-DS  | 30-Jun-17    | Total Suspended Solids | 13.5   | mg/L     | ALS |
| L1953941-9    | CV128-DS  | 30-Jun-17    | Total Dissolved Solids | 44     | mg/L     | ALS |
| L1953941-9    | CV128-DS  | 30-Jun-17    | Turbidity              | 2.27   | NTU      | ALS |
| L1940442-13   | CV129-US  | 10-Jun-17    | pH                     | 7.96   | pH units | ALS |
| L1940442-13   | CV129-US  | 10-Jun-17    | Total Suspended Solids | 3.1    | mg/L     | ALS |
| L1940442-13   | CV129-US  | 10-Jun-17    | Total Dissolved Solids | 92     | mg/L     | ALS |
| L1940442-13   | CV129-US  | 10-Jun-17    | Turbidity              | 2.62   | NTU      | ALS |
| L1940442-15   | CV129-US  | 10-Jun-17    | pH                     | 7.98   | pH units | ALS |
| L1940442-15   | CV129-US  | 10-Jun-17    | Total Suspended Solids | 4.7    | mg/L     | ALS |
| L1940442-15   | CV129-US  | 10-Jun-17    | Total Dissolved Solids | 80     | mg/L     | ALS |
| L1940442-15   | CV129-US  | 10-Jun-17    | Turbidity              | 2.34   | NTU      | ALS |
| L1944004-33   | CV129-US  | 17-Jun-17    | pH                     | 7.61   | pH units | ALS |
| L1944004-33   | CV129-US  | 17-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1944004-33   | CV129-US  | 17-Jun-17    | Total Dissolved Solids | 49     | mg/L     | ALS |
| L1944004-33   | CV129-US  | 17-Jun-17    | Turbidity              | 0.85   | NTU      | ALS |
| L1948077-12   | CV129-US  | 23-Jun-17    | pH                     | 7.74   | pH units | ALS |
| L1948077-12   | CV129-US  | 23-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-12   | CV129-US  | 23-Jun-17    | Total Dissolved Solids | 44     | mg/L     | ALS |
| L1948077-12   | CV129-US  | 23-Jun-17    | Turbidity              | 0.47   | NTU      | ALS |
| L1953932-18   | CV129-US  | 30-Jun-17    | pH                     | 8.02   | pH units | ALS |
| L1953932-18   | CV129-US  | 30-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1953932-18   | CV129-US  | 30-Jun-17    | Total Dissolved Solids | 82     | mg/L     | ALS |
| L1953932-18   | CV129-US  | 30-Jun-17    | Turbidity              | 0.94   | NTU      | ALS |
| L1937815-23   | CV129-DS  | 3-Jun-17     | pH                     | 8.01   | pH units | ALS |
| L1937815-23   | CV129-DS  | 3-Jun-17     | Total Suspended Solids | 339    | mg/L     | ALS |
| L1937815-23   | CV129-DS  | 3-Jun-17     | Total Dissolved Solids | 49     | mg/L     | ALS |
| L1937815-23   | CV129-DS  | 3-Jun-17     | Turbidity              | 185    | NTU      | ALS |
| L1940442-16   | CV129-DS  | 10-Jun-17    | pH                     | 7.97   | pH units | ALS |
| L1940442-16   | CV129-DS  | 10-Jun-17    | Total Suspended Solids | 25.8   | mg/L     | ALS |
| L1940442-16   | CV129-DS  | 10-Jun-17    | Total Dissolved Solids | 80     | mg/L     | ALS |
| L1940442-16   | CV129-DS  | 10-Jun-17    | Turbidity              | 58.7   | NTU      | ALS |
| L1940442-14   | CV129-DS  | 10-Jun-17    | pH                     | 7.98   | pH units | ALS |
| L1940442-14   | CV129-DS  | 10-Jun-17    | Total Suspended Solids | 38.8   | mg/L     | ALS |
| L1940442-14   | CV129-DS  | 10-Jun-17    | Total Dissolved Solids | 83     | mg/L     | ALS |
| L1940442-14   | CV129-DS  | 10-Jun-17    | Turbidity              | 23.6   | NTU      | ALS |
| L1944004-34   | CV129-DS  | 17-Jun-17    | pH                     | 7.61   | pH units | ALS |
| L1944004-34   | CV129-DS  | 17-Jun-17    | Total Suspended Solids | 3.7    | mg/L     | ALS |
| L1944004-34   | CV129-DS  | 17-Jun-17    | Total Dissolved Solids | 49     | mg/L     | ALS |
| L1944004-34   | CV129-DS  | 17-Jun-17    | Turbidity              | 0.95   | NTU      | ALS |
| L1948077-11   | CV129-DS  | 23-Jun-17    | pH                     | 7.69   | pH units | ALS |
| L1948077-11   | CV129-DS  | 23-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-11   | CV129-DS  | 23-Jun-17    | Total Dissolved Solids | 43     | mg/L     | ALS |
| L1948077-11   | CV129-DS  | 23-Jun-17    | Turbidity              | 0.35   | NTU      | ALS |

**Table B.2.4 - Water Quality Monitoring for Tote Road Water Crossings**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1953932-17   | CV129-DS  | 30-Jun-17    | pH                     | 7.92   | pH units | ALS |
| L1953932-17   | CV129-DS  | 30-Jun-17    | Total Suspended Solids | 2.8    | mg/L     | ALS |
| L1953932-17   | CV129-DS  | 30-Jun-17    | Total Dissolved Solids | 49     | mg/L     | ALS |
| L1953932-17   | CV129-DS  | 30-Jun-17    | Turbidity              | 4.25   | NTU      | ALS |
| L1937815-15   | CV167-US  | 3-Jun-17     | pH                     | 7.94   | pH units | ALS |
| L1937815-15   | CV167-US  | 3-Jun-17     | Total Suspended Solids | 30.6   | mg/L     | ALS |
| L1937815-15   | CV167-US  | 3-Jun-17     | Total Dissolved Solids | 69     | mg/L     | ALS |
| L1937815-15   | CV167-US  | 3-Jun-17     | Turbidity              | 50.4   | NTU      | ALS |
| L1944004-31   | CV167-US  | 17-Jun-17    | pH                     | 7.52   | pH units | ALS |
| L1944004-31   | CV167-US  | 17-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1944004-31   | CV167-US  | 17-Jun-17    | Turbidity              | 0.85   | NTU      | ALS |
| L1948077-4    | CV167-US  | 23-Jun-17    | pH                     | 7.85   | pH units | ALS |
| L1948077-4    | CV167-US  | 23-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-4    | CV167-US  | 23-Jun-17    | Total Dissolved Solids | 39     | mg/L     | ALS |
| L1948077-4    | CV167-US  | 23-Jun-17    | Turbidity              | 1.02   | NTU      | ALS |
| L1953932-10   | CV167-US  | 30-Jun-17    | pH                     | 8.05   | pH units | ALS |
| L1953932-10   | CV167-US  | 30-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1953932-10   | CV167-US  | 30-Jun-17    | Total Dissolved Solids | 73     | mg/L     | ALS |
| L1953932-10   | CV167-US  | 30-Jun-17    | Turbidity              | 1.37   | NTU      | ALS |
| L1937815-16   | CV167-DS  | 3-Jun-17     | pH                     | 7.93   | pH units | ALS |
| L1937815-16   | CV167-DS  | 3-Jun-17     | Total Suspended Solids | 37.1   | mg/L     | ALS |
| L1937815-16   | CV167-DS  | 3-Jun-17     | Total Dissolved Solids | 62     | mg/L     | ALS |
| L1937815-16   | CV167-DS  | 3-Jun-17     | Turbidity              | 52.2   | NTU      | ALS |
| L1940442-2    | CV167-DS  | 10-Jun-17    | pH                     | 7.88   | pH units | ALS |
| L1940442-2    | CV167-DS  | 10-Jun-17    | Total Suspended Solids | 25.5   | mg/L     | ALS |
| L1940442-2    | CV167-DS  | 10-Jun-17    | Total Dissolved Solids | 68     | mg/L     | ALS |
| L1940442-2    | CV167-DS  | 10-Jun-17    | Turbidity              | 22.6   | NTU      | ALS |
| L1944004-32   | CV167-DS  | 17-Jun-17    | pH                     | 7.65   | pH units | ALS |
| L1944004-32   | CV167-DS  | 17-Jun-17    | Total Suspended Solids | 2.4    | mg/L     | ALS |
| L1944004-32   | CV167-DS  | 17-Jun-17    | Total Dissolved Solids | 54     | mg/L     | ALS |
| L1944004-32   | CV167-DS  | 17-Jun-17    | Turbidity              | 2.25   | NTU      | ALS |
| L1948077-5    | CV167-DS  | 23-Jun-17    | pH                     | 7.93   | pH units | ALS |
| L1948077-5    | CV167-DS  | 23-Jun-17    | Total Suspended Solids | 2.4    | mg/L     | ALS |
| L1948077-5    | CV167-DS  | 23-Jun-17    | Total Dissolved Solids | 52     | mg/L     | ALS |
| L1948077-5    | CV167-DS  | 23-Jun-17    | Turbidity              | 1.14   | NTU      | ALS |
| L1953932-9    | CV167-DS  | 30-Jun-17    | pH                     | 8.04   | pH units | ALS |
| L1953932-9    | CV167-DS  | 30-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1953932-9    | CV167-DS  | 30-Jun-17    | Total Dissolved Solids | 81     | mg/L     | ALS |
| L1953932-9    | CV167-DS  | 30-Jun-17    | Turbidity              | 1.97   | NTU      | ALS |
| L1933186-16   | CV169-US  | 28-May-17    | pH                     | 7.81   | pH units | ALS |
| L1933186-16   | CV169-US  | 28-May-17    | Total Suspended Solids | 159    | mg/L     | ALS |
| L1933186-16   | CV169-US  | 28-May-17    | Total Dissolved Solids | 30     | mg/L     | ALS |
| L1933186-16   | CV169-US  | 28-May-17    | Turbidity              | 63.5   | NTU      | ALS |
| L1940442-11   | CV169-US  | 10-Jun-17    | pH                     | 7.71   | pH units | ALS |
| L1940442-11   | CV169-US  | 10-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1940442-11   | CV169-US  | 10-Jun-17    | Total Dissolved Solids | 34     | mg/L     | ALS |
| L1940442-11   | CV169-US  | 10-Jun-17    | Turbidity              | 3.04   | NTU      | ALS |
| L1944004-29   | CV169-US  | 17-Jun-17    | pH                     | 7.74   | pH units | ALS |
| L1944004-29   | CV169-US  | 17-Jun-17    | Total Suspended Solids | 3.6    | mg/L     | ALS |
| L1944004-29   | CV169-US  | 17-Jun-17    | Total Dissolved Solids | 53     | mg/L     | ALS |
| L1944004-29   | CV169-US  | 17-Jun-17    | Turbidity              | 1.74   | NTU      | ALS |
| L1948077-2    | CV169-US  | 23-Jun-17    | pH                     | 7.73   | pH units | ALS |
| L1948077-2    | CV169-US  | 23-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-2    | CV169-US  | 23-Jun-17    | Total Dissolved Solids | 57     | mg/L     | ALS |
| L1948077-2    | CV169-US  | 23-Jun-17    | Turbidity              | 1.41   | NTU      | ALS |
| L1953932-12   | CV169-US  | 30-Jun-17    | pH                     | 7.99   | pH units | ALS |
| L1953932-12   | CV169-US  | 30-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1953932-12   | CV169-US  | 30-Jun-17    | Total Dissolved Solids | 78     | mg/L     | ALS |
| L1953932-12   | CV169-US  | 30-Jun-17    | Turbidity              | 2.08   | NTU      | ALS |
| L1933186-19   | CV169-DS  | 28-May-17    | pH                     | 7.74   | pH units | ALS |
| L1933186-19   | CV169-DS  | 28-May-17    | Total Suspended Solids | 22.4   | mg/L     | ALS |
| L1933186-19   | CV169-DS  | 28-May-17    | Total Dissolved Solids | <20    | mg/L     | ALS |
| L1933186-19   | CV169-DS  | 28-May-17    | Turbidity              | 48.1   | NTU      | ALS |
| L1940442-3    | CV169-DS  | 10-Jun-17    | pH                     | 7.75   | pH units | ALS |

**Table B.2.4 - Water Quality Monitoring for Tote Road Water Crossings**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1940442-3    | CV169-DS  | 10-Jun-17    | Total Suspended Solids | 4.6    | mg/L     | ALS |
| L1940442-3    | CV169-DS  | 10-Jun-17    | Total Dissolved Solids | 36     | mg/L     | ALS |
| L1940442-3    | CV169-DS  | 10-Jun-17    | Turbidity              | 10.2   | NTU      | ALS |
| L1944004-30   | CV169-DS  | 17-Jun-17    | pH                     | 7.63   | pH units | ALS |
| L1944004-30   | CV169-DS  | 17-Jun-17    | Total Suspended Solids | 4.5    | mg/L     | ALS |
| L1944004-30   | CV169-DS  | 17-Jun-17    | Total Dissolved Solids | 57     | mg/L     | ALS |
| L1944004-30   | CV169-DS  | 17-Jun-17    | Turbidity              | 2.84   | NTU      | ALS |
| L1948077-3    | CV169-DS  | 23-Jun-17    | pH                     | 7.84   | pH units | ALS |
| L1948077-3    | CV169-DS  | 23-Jun-17    | Total Suspended Solids | 3.5    | mg/L     | ALS |
| L1948077-3    | CV169-DS  | 23-Jun-17    | Total Dissolved Solids | 69     | mg/L     | ALS |
| L1948077-3    | CV169-DS  | 23-Jun-17    | Turbidity              | 2.64   | NTU      | ALS |
| L1953932-11   | CV169-DS  | 30-Jun-17    | pH                     | 7.99   | pH units | ALS |
| L1953932-11   | CV169-DS  | 30-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1953932-11   | CV169-DS  | 30-Jun-17    | Total Dissolved Solids | 167    | mg/L     | ALS |
| L1953932-11   | CV169-DS  | 30-Jun-17    | Turbidity              | 2.5    | NTU      | ALS |
| L1953932-14   | CV176-US  | 30-Jun-17    | pH                     | 8.06   | pH units | ALS |
| L1953932-14   | CV176-US  | 30-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1953932-14   | CV176-US  | 30-Jun-17    | Total Dissolved Solids | 257    | mg/L     | ALS |
| L1953932-14   | CV176-US  | 30-Jun-17    | Turbidity              | 0.61   | NTU      | ALS |
| L1929339-3    | CV176-DS  | 30-Jun-17    | pH                     | 8.13   | pH units | ALS |
| L1929339-3    | CV176-DS  | 30-Jun-17    | Total Suspended Solids | 2.4    | mg/L     | ALS |
| L1929339-3    | CV176-DS  | 30-Jun-17    | Total Dissolved Solids | 281    | mg/L     | ALS |
| L1929339-3    | CV176-DS  | 30-Jun-17    | Turbidity              | 1.56   | NTU      | ALS |
| L1930251-12   | CV186-US  | 23-May-17    | pH                     | 7.56   | pH units | ALS |
| L1930251-12   | CV186-US  | 23-May-17    | Total Suspended Solids | 47.6   | mg/L     | ALS |
| L1930251-12   | CV186-US  | 23-May-17    | Total Dissolved Solids | 36     | mg/L     | ALS |
| L1930251-12   | CV186-US  | 23-May-17    | Turbidity              | 60.5   | NTU      | ALS |
| L1933186-30   | CV186-US  | 28-May-17    | pH                     | 7.63   | pH units | ALS |
| L1933186-30   | CV186-US  | 28-May-17    | Total Suspended Solids | 7.6    | mg/L     | ALS |
| L1933186-30   | CV186-US  | 28-May-17    | Total Dissolved Solids | 55     | mg/L     | ALS |
| L1933186-30   | CV186-US  | 28-May-17    | Turbidity              | 18.3   | NTU      | ALS |
| L1936151-4    | CV186-US  | 2-Jun-17     | pH                     | 7.62   | mg/L     | ALS |
| L1936151-4    | CV186-US  | 2-Jun-17     | Total Suspended Solids | 2.8    | mg/L     | ALS |
| L1936151-4    | CV186-US  | 2-Jun-17     | Total Dissolved Solids | 45     | NTU      | ALS |
| L1936151-4    | CV186-US  | 2-Jun-17     | Turbidity              | 9.01   | pH units | ALS |
| L1940472-12   | CV186-US  | 11-Jun-17    | pH                     | 7.74   | pH units | ALS |
| L1940472-12   | CV186-US  | 11-Jun-17    | Total Suspended Solids | 5.3    | mg/L     | ALS |
| L1940472-12   | CV186-US  | 11-Jun-17    | Total Dissolved Solids | 55     | mg/L     | ALS |
| L1940472-12   | CV186-US  | 11-Jun-17    | Turbidity              | 7.82   | NTU      | ALS |
| L1944004-26   | CV186-US  | 17-Jun-17    | pH                     | 7.68   | pH units | ALS |
| L1944004-26   | CV186-US  | 17-Jun-17    | Total Suspended Solids | 3.3    | mg/L     | ALS |
| L1944004-26   | CV186-US  | 17-Jun-17    | Total Dissolved Solids | 54     | mg/L     | ALS |
| L1944004-26   | CV186-US  | 17-Jun-17    | Turbidity              | 4.9    | NTU      | ALS |
| L1948077-30   | CV186-US  | 23-Jun-17    | pH                     | 7.75   | pH units | ALS |
| L1948077-30   | CV186-US  | 23-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-30   | CV186-US  | 23-Jun-17    | Total Dissolved Solids | 52     | mg/L     | ALS |
| L1948077-30   | CV186-US  | 23-Jun-17    | Turbidity              | 2.44   | NTU      | ALS |
| L1954185-24   | CV186-US  | 2-Jul-17     | pH                     | 8.07   | pH units | ALS |
| L1954185-24   | CV186-US  | 2-Jul-17     | Total Suspended Solids | 3.4    | mg/L     | ALS |
| L1954185-24   | CV186-US  | 2-Jul-17     | Total Dissolved Solids | 96     | mg/L     | ALS |
| L1954185-24   | CV186-US  | 2-Jul-17     | Turbidity              | 1.05   | NTU      | ALS |
| L1925884-3    | CV186-DS  | 12-May-17    | pH                     | 7.88   | pH units | ALS |
| L1925884-3    | CV186-DS  | 12-May-17    | Total Suspended Solids | 165    | mg/L     | ALS |
| L1925884-3    | CV186-DS  | 12-May-17    | Total Dissolved Solids | 80     | mg/L     | ALS |
| L1925884-3    | CV186-DS  | 12-May-17    | Turbidity              | 221    | NTU      | ALS |
| L1929339-3    | CV186-DS  | 19-May-17    | pH                     | 7.61   | pH units | ALS |
| L1929339-3    | CV186-DS  | 19-May-17    | Total Suspended Solids | 31.2   | mg/L     | ALS |
| L1929339-3    | CV186-DS  | 19-May-17    | Total Dissolved Solids | 110    | mg/L     | ALS |
| L1929339-3    | CV186-DS  | 19-May-17    | Turbidity              | 54.4   | NTU      | ALS |
| L1929467-2    | CV186-DS  | 19-May-17    | pH                     | 7.56   | pH units | ALS |
| L1929467-2    | CV186-DS  | 19-May-17    | Total Suspended Solids | 23.6   | mg/L     | ALS |
| L1929467-2    | CV186-DS  | 19-May-17    | Total Dissolved Solids | 60     | mg/L     | ALS |
| L1929467-2    | CV186-DS  | 19-May-17    | Turbidity              | 37.3   | NTU      | ALS |
| L1929455-4    | CV186-DS  | 20-May-17    | pH                     | 7.6    | pH units | ALS |

**Table B.2.4 - Water Quality Monitoring for Tote Road Water Crossings**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1929455-4    | CV186-DS  | 20-May-17    | Total Suspended Solids | 122    | mg/L     | ALS |
| L1929455-4    | CV186-DS  | 20-May-17    | Total Dissolved Solids | 75     | mg/L     | ALS |
| L1929455-4    | CV186-DS  | 20-May-17    | Turbidity              | 89.6   | NTU      | ALS |
| L1929463-4    | CV186-DS  | 21-May-17    | pH                     | 7.59   | pH units | ALS |
| L1929463-4    | CV186-DS  | 21-May-17    | Total Suspended Solids | 19.2   | mg/L     | ALS |
| L1929463-4    | CV186-DS  | 21-May-17    | Total Dissolved Solids | 75     | mg/L     | ALS |
| L1929463-4    | CV186-DS  | 21-May-17    | Turbidity              | 50.7   | NTU      | ALS |
| L1929502-5    | CV186-DS  | 22-May-17    | pH                     | 7.6    | pH units | ALS |
| L1929502-5    | CV186-DS  | 22-May-17    | Total Suspended Solids | 62     | mg/L     | ALS |
| L1929502-5    | CV186-DS  | 22-May-17    | Total Dissolved Solids | 65     | mg/L     | ALS |
| L1929502-5    | CV186-DS  | 22-May-17    | Turbidity              | 61.6   | NTU      | ALS |
| L1930053-10   | CV186-DS  | 23-May-17    | pH                     | 7.56   | pH units | ALS |
| L1930053-10   | CV186-DS  | 23-May-17    | Total Suspended Solids | 94.5   | mg/L     | ALS |
| L1930053-10   | CV186-DS  | 23-May-17    | Total Dissolved Solids | 80     | mg/L     | ALS |
| L1930053-10   | CV186-DS  | 23-May-17    | Turbidity              | 80.1   | NTU      | ALS |
| L1930251-13   | CV186-DS  | 23-May-17    | pH                     | 7.56   | pH units | ALS |
| L1930251-13   | CV186-DS  | 23-May-17    | Total Suspended Solids | 74.8   | mg/L     | ALS |
| L1930251-13   | CV186-DS  | 23-May-17    | Total Dissolved Solids | 30     | mg/L     | ALS |
| L1930251-13   | CV186-DS  | 23-May-17    | Turbidity              | 67.1   | NTU      | ALS |
| L1931069-6    | CV186-DS  | 24-May-17    | pH                     | 7.53   | pH units | ALS |
| L1931069-6    | CV186-DS  | 24-May-17    | Total Suspended Solids | 45.6   | mg/L     | ALS |
| L1931069-6    | CV186-DS  | 24-May-17    | Total Dissolved Solids | 30     | mg/L     | ALS |
| L1931069-6    | CV186-DS  | 24-May-17    | Turbidity              | 33.7   | NTU      | ALS |
| L1931870-6    | CV186-DS  | 25-May-17    | pH                     | 7.41   | pH units | ALS |
| L1931870-6    | CV186-DS  | 25-May-17    | Total Suspended Solids | 14.8   | mg/L     | ALS |
| L1931870-6    | CV186-DS  | 25-May-17    | Total Dissolved Solids | 35     | mg/L     | ALS |
| L1931870-6    | CV186-DS  | 25-May-17    | Turbidity              | 22.9   | NTU      | ALS |
| L1932463-6    | CV186-DS  | 26-May-17    | pH                     | 7.38   | pH units | ALS |
| L1932463-6    | CV186-DS  | 26-May-17    | Total Suspended Solids | 7.6    | mg/L     | ALS |
| L1932463-6    | CV186-DS  | 26-May-17    | Total Dissolved Solids | <20    | mg/L     | ALS |
| L1932463-6    | CV186-DS  | 26-May-17    | Turbidity              | 16.1   | NTU      | ALS |
| L1932521-6    | CV186-DS  | 27-May-17    | pH                     | 7.55   | pH units | ALS |
| L1932521-6    | CV186-DS  | 27-May-17    | Total Suspended Solids | 10     | mg/L     | ALS |
| L1932521-6    | CV186-DS  | 27-May-17    | Total Dissolved Solids | 52     | mg/L     | ALS |
| L1932521-6    | CV186-DS  | 27-May-17    | Turbidity              | 16.5   | NTU      | ALS |
| L1932828-6    | CV186-DS  | 28-May-17    | pH                     | 7.55   | pH units | ALS |
| L1932828-6    | CV186-DS  | 28-May-17    | Total Suspended Solids | 4.8    | mg/L     | ALS |
| L1932828-6    | CV186-DS  | 28-May-17    | Total Dissolved Solids | 117    | mg/L     | ALS |
| L1932828-6    | CV186-DS  | 28-May-17    | Turbidity              | 14.1   | NTU      | ALS |
| L1933186-31   | CV186-DS  | 28-May-17    | pH                     | 7.45   | pH units | ALS |
| L1933186-31   | CV186-DS  | 28-May-17    | Total Suspended Solids | 6.8    | mg/L     | ALS |
| L1933186-31   | CV186-DS  | 28-May-17    | Total Dissolved Solids | 55     | mg/L     | ALS |
| L1933186-31   | CV186-DS  | 28-May-17    | Turbidity              | 17     | NTU      | ALS |
| L1933090-6    | CV186-DS  | 29-May-17    | pH                     | 7.58   | pH units | ALS |
| L1933090-6    | CV186-DS  | 29-May-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1933090-6    | CV186-DS  | 29-May-17    | Total Dissolved Solids | 20     | mg/L     | ALS |
| L1933090-6    | CV186-DS  | 29-May-17    | Turbidity              | 8.74   | NTU      | ALS |
| L1933822-6    | CV186-DS  | 30-May-17    | pH                     | 7.56   | pH units | ALS |
| L1933822-6    | CV186-DS  | 30-May-17    | Total Suspended Solids | 4.4    | mg/L     | ALS |
| L1933822-6    | CV186-DS  | 30-May-17    | Total Dissolved Solids | 60     | mg/L     | ALS |
| L1933822-6    | CV186-DS  | 30-May-17    | Turbidity              | 9.16   | NTU      | ALS |
| L1935117-6    | CV186-DS  | 31-May-17    | pH                     | 7.54   | pH units | ALS |
| L1935117-6    | CV186-DS  | 31-May-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1935117-6    | CV186-DS  | 31-May-17    | Total Dissolved Solids | 70     | mg/L     | ALS |
| L1935117-6    | CV186-DS  | 31-May-17    | Turbidity              | 8.35   | NTU      | ALS |
| L1935148-6    | CV186-DS  | 1-Jun-17     | pH                     | 7.63   | pH units | ALS |
| L1935148-6    | CV186-DS  | 1-Jun-17     | Total Suspended Solids | 15.6   | mg/L     | ALS |
| L1935148-6    | CV186-DS  | 1-Jun-17     | Total Dissolved Solids | 80     | mg/L     | ALS |
| L1935148-6    | CV186-DS  | 1-Jun-17     | Turbidity              | 23.5   | NTU      | ALS |
| L1936151-3    | CV186-DS  | 2-Jun-17     | pH                     | 7.64   | mg/L     | ALS |
| L1936151-3    | CV186-DS  | 2-Jun-17     | Total Suspended Solids | 11.6   | mg/L     | ALS |
| L1936151-3    | CV186-DS  | 2-Jun-17     | Total Dissolved Solids | 40     | NTU      | ALS |
| L1936151-3    | CV186-DS  | 2-Jun-17     | Turbidity              | 20.5   | pH units | ALS |
| L1936153-6    | CV186-DS  | 3-Jun-17     | pH                     | 7.56   | mg/L     | ALS |

**Table B.2.4 - Water Quality Monitoring for Tote Road Water Crossings**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1936153-6    | CV186-DS  | 3-Jun-17     | Total Suspended Solids | 8.8    | mg/L     | ALS |
| L1936153-6    | CV186-DS  | 3-Jun-17     | Total Dissolved Solids | 45     | NTU      | ALS |
| L1936153-6    | CV186-DS  | 3-Jun-17     | Turbidity              | 10.5   | pH units | ALS |
| L1940472-11   | CV186-DS  | 11-Jun-17    | pH                     | 7.74   | pH units | ALS |
| L1940472-11   | CV186-DS  | 11-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1940472-11   | CV186-DS  | 11-Jun-17    | Total Dissolved Solids | 43     | mg/L     | ALS |
| L1940472-11   | CV186-DS  | 11-Jun-17    | Turbidity              | 5.98   | NTU      | ALS |
| L1944004-25   | CV186-DS  | 17-Jun-17    | pH                     | 7.72   | pH units | ALS |
| L1944004-25   | CV186-DS  | 17-Jun-17    | Total Suspended Solids | 4      | mg/L     | ALS |
| L1944004-25   | CV186-DS  | 17-Jun-17    | Total Dissolved Solids | 64     | mg/L     | ALS |
| L1944004-25   | CV186-DS  | 17-Jun-17    | Turbidity              | 4.81   | NTU      | ALS |
| L1948077-31   | CV186-DS  | 23-Jun-17    | pH                     | 7.76   | pH units | ALS |
| L1948077-31   | CV186-DS  | 23-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-31   | CV186-DS  | 23-Jun-17    | Total Dissolved Solids | 54     | mg/L     | ALS |
| L1948077-31   | CV186-DS  | 23-Jun-17    | Turbidity              | 2.2    | NTU      | ALS |
| L1954185-23   | CV186-DS  | 2-Jul-17     | pH                     | 8.05   | pH units | ALS |
| L1954185-23   | CV186-DS  | 2-Jul-17     | Total Suspended Solids | 3.8    | mg/L     | ALS |
| L1954185-23   | CV186-DS  | 2-Jul-17     | Total Dissolved Solids | 93     | mg/L     | ALS |
| L1954185-23   | CV186-DS  | 2-Jul-17     | Turbidity              | 0.74   | NTU      | ALS |
| L1929467-4    | CV187-US  | 19-May-17    | pH                     | 7.64   | pH units | ALS |
| L1929467-4    | CV187-US  | 19-May-17    | Total Suspended Solids | 24.4   | mg/L     | ALS |
| L1929467-4    | CV187-US  | 19-May-17    | Total Dissolved Solids | 75     | mg/L     | ALS |
| L1929467-4    | CV187-US  | 19-May-17    | Turbidity              | 30     | NTU      | ALS |
| L1930251-14   | CV187-US  | 23-May-17    | pH                     | 29.2   | pH units | ALS |
| L1930251-14   | CV187-US  | 23-May-17    | Total Suspended Solids | 45     | mg/L     | ALS |
| L1930251-14   | CV187-US  | 23-May-17    | Total Dissolved Solids | 94.5   | mg/L     | ALS |
| L1930251-14   | CV187-US  | 23-May-17    | Turbidity              | 7.59   | NTU      | ALS |
| L1933186-7    | CV187-US  | 28-May-17    | pH                     | 7.63   | pH units | ALS |
| L1933186-7    | CV187-US  | 28-May-17    | Total Suspended Solids | 26     | mg/L     | ALS |
| L1933186-7    | CV187-US  | 28-May-17    | Total Dissolved Solids | 55     | mg/L     | ALS |
| L1933186-7    | CV187-US  | 28-May-17    | Turbidity              | 40     | NTU      | ALS |
| L1936151-2    | CV187-US  | 2-Jun-17     | pH                     | 7.76   | pH units | ALS |
| L1936151-2    | CV187-US  | 2-Jun-17     | Total Suspended Solids | 42.8   | mg/L     | ALS |
| L1936151-2    | CV187-US  | 2-Jun-17     | Total Dissolved Solids | 85     | mg/L     | ALS |
| L1936151-2    | CV187-US  | 2-Jun-17     | Turbidity              | 70.4   | NTU      | ALS |
| L1940472-14   | CV187-US  | 11-Jun-17    | pH                     | 7.92   | pH units | ALS |
| L1940472-14   | CV187-US  | 11-Jun-17    | Total Suspended Solids | 2.6    | mg/L     | ALS |
| L1940472-14   | CV187-US  | 11-Jun-17    | Total Dissolved Solids | 134    | mg/L     | ALS |
| L1940472-14   | CV187-US  | 11-Jun-17    | Turbidity              | 2.88   | NTU      | ALS |
| L1944004-28   | CV187-US  | 17-Jun-17    | pH                     | 7.91   | pH units | ALS |
| L1944004-28   | CV187-US  | 17-Jun-17    | Total Suspended Solids | 3.3    | mg/L     | ALS |
| L1944004-28   | CV187-US  | 17-Jun-17    | Total Dissolved Solids | 179    | mg/L     | ALS |
| L1944004-28   | CV187-US  | 17-Jun-17    | Turbidity              | 1.83   | NTU      | ALS |
| L1948077-28   | CV187-US  | 23-Jun-17    | pH                     | 7.77   | pH units | ALS |
| L1948077-28   | CV187-US  | 23-Jun-17    | Total Suspended Solids | 2.1    | mg/L     | ALS |
| L1948077-28   | CV187-US  | 23-Jun-17    | Total Dissolved Solids | 331    | mg/L     | ALS |
| L1948077-28   | CV187-US  | 23-Jun-17    | Turbidity              | 0.75   | NTU      | ALS |
| L1954185-26   | CV187-US  | 2-Jul-17     | pH                     | 8.24   | pH units | ALS |
| L1954185-26   | CV187-US  | 2-Jul-17     | Total Suspended Solids | 2.8    | mg/L     | ALS |
| L1954185-26   | CV187-US  | 2-Jul-17     | Total Dissolved Solids | 409    | mg/L     | ALS |
| L1954185-26   | CV187-US  | 2-Jul-17     | Turbidity              | 0.81   | NTU      | ALS |
| L1930251-15   | CV187-DS  | 23-May-17    | pH                     | 7.57   | pH units | ALS |
| L1930251-15   | CV187-DS  | 23-May-17    | Total Suspended Solids | 40.8   | mg/L     | ALS |
| L1930251-15   | CV187-DS  | 23-May-17    | Total Dissolved Solids | 45     | mg/L     | ALS |
| L1930251-15   | CV187-DS  | 23-May-17    | Turbidity              | 88.9   | NTU      | ALS |
| L1933186-12   | CV187-DS  | 28-May-17    | pH                     | 7.67   | pH units | ALS |
| L1933186-12   | CV187-DS  | 28-May-17    | Total Suspended Solids | 13.6   | mg/L     | ALS |
| L1933186-12   | CV187-DS  | 28-May-17    | Total Dissolved Solids | 30     | mg/L     | ALS |
| L1933186-12   | CV187-DS  | 28-May-17    | Turbidity              | 41     | NTU      | ALS |
| L1936151-1    | CV187-DS  | 2-Jun-17     | pH                     | 7.77   | pH units | ALS |
| L1936151-1    | CV187-DS  | 2-Jun-17     | Total Suspended Solids | 59.2   | mg/L     | ALS |
| L1936151-1    | CV187-DS  | 2-Jun-17     | Total Dissolved Solids | 110    | mg/L     | ALS |
| L1936151-1    | CV187-DS  | 2-Jun-17     | Turbidity              | 97.5   | NTU      | ALS |
| L1940472-13   | CV187-DS  | 11-Jun-17    | pH                     | 7.91   | pH units | ALS |

**Table B.2.4 - Water Quality Monitoring for Tote Road Water Crossings**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1940472-13   | CV187-DS  | 11-Jun-17    | Total Suspended Solids | 6.1    | mg/L     | ALS |
| L1940472-13   | CV187-DS  | 11-Jun-17    | Total Dissolved Solids | 136    | mg/L     | ALS |
| L1940472-13   | CV187-DS  | 11-Jun-17    | Turbidity              | 17.9   | NTU      | ALS |
| L1944004-27   | CV187-DS  | 17-Jun-17    | pH                     | 7.79   | pH units | ALS |
| L1944004-27   | CV187-DS  | 17-Jun-17    | Total Suspended Solids | 2.1    | mg/L     | ALS |
| L1944004-27   | CV187-DS  | 17-Jun-17    | Total Dissolved Solids | 70     | mg/L     | ALS |
| L1944004-27   | CV187-DS  | 17-Jun-17    | Turbidity              | 6.34   | NTU      | ALS |
| L1948077-29   | CV187-DS  | 23-Jun-17    | pH                     | 7.81   | pH units | ALS |
| L1948077-29   | CV187-DS  | 23-Jun-17    | Total Suspended Solids | 2.4    | mg/L     | ALS |
| L1948077-29   | CV187-DS  | 23-Jun-17    | Total Dissolved Solids | 83     | mg/L     | ALS |
| L1948077-29   | CV187-DS  | 23-Jun-17    | Turbidity              | 2.56   | NTU      | ALS |
| L1954185-25   | CV187-DS  | 2-Jul-17     | pH                     | 7.96   | pH units | ALS |
| L1954185-25   | CV187-DS  | 2-Jul-17     | Total Suspended Solids | 3.9    | mg/L     | ALS |
| L1954185-25   | CV187-DS  | 2-Jul-17     | Total Dissolved Solids | 122    | mg/L     | ALS |
| L1954185-25   | CV187-DS  | 2-Jul-17     | Turbidity              | 1.39   | NTU      | ALS |
| L1933186-4    | CV216-US  | 28-May-17    | pH                     | 7.42   | pH units | ALS |
| L1933186-4    | CV216-US  | 28-May-17    | Total Suspended Solids | 37.2   | mg/L     | ALS |
| L1933186-4    | CV216-US  | 28-May-17    | Total Dissolved Solids | 305    | mg/L     | ALS |
| L1933186-4    | CV216-US  | 28-May-17    | Turbidity              | 39.9   | NTU      | ALS |
| L1937803-8    | CV216-US  | 4-Jun-17     | pH                     | 7.43   | pH units | ALS |
| L1937803-8    | CV216-US  | 4-Jun-17     | Total Suspended Solids | 16.7   | mg/L     | ALS |
| L1937803-8    | CV216-US  | 4-Jun-17     | Total Dissolved Solids | 202    | mg/L     | ALS |
| L1937803-8    | CV216-US  | 4-Jun-17     | Turbidity              | 23.6   | NTU      | ALS |
| L1940450-18   | CV216-US  | 10-Jun-17    | pH                     | 7.55   | pH units | ALS |
| L1940450-18   | CV216-US  | 10-Jun-17    | Total Suspended Solids | 3.7    | mg/L     | ALS |
| L1940450-18   | CV216-US  | 10-Jun-17    | Total Dissolved Solids | 451    | mg/L     | ALS |
| L1940450-18   | CV216-US  | 10-Jun-17    | Turbidity              | 5.02   | NTU      | ALS |
| L1944004-12   | CV216-US  | 17-Jun-17    | pH                     | 7.64   | pH units | ALS |
| L1944004-12   | CV216-US  | 17-Jun-17    | Total Suspended Solids | 9.8    | mg/L     | ALS |
| L1944004-12   | CV216-US  | 17-Jun-17    | Total Dissolved Solids | 328    | mg/L     | ALS |
| L1944004-12   | CV216-US  | 17-Jun-17    | Turbidity              | 4.88   | NTU      | ALS |
| L1948077-49   | CV216-US  | 23-Jun-17    | pH                     | 7.72   | pH units | ALS |
| L1948077-49   | CV216-US  | 23-Jun-17    | Total Suspended Solids | 11.9   | mg/L     | ALS |
| L1948077-49   | CV216-US  | 23-Jun-17    | Total Dissolved Solids | 351    | mg/L     | ALS |
| L1948077-49   | CV216-US  | 23-Jun-17    | Turbidity              | 4.06   | NTU      | ALS |
| L1954099-32   | CV216-US  | 1-Jul-17     | pH                     | 8.07   | pH units | ALS |
| L1954099-32   | CV216-US  | 1-Jul-17     | Total Suspended Solids | 4      | mg/L     | ALS |
| L1954099-32   | CV216-US  | 1-Jul-17     | Total Dissolved Solids | 810    | mg/L     | ALS |
| L1954099-32   | CV216-US  | 1-Jul-17     | Turbidity              | 1.21   | NTU      | ALS |
| L1933186-1    | CV216-DS  | 28-May-17    | pH                     | 7      | pH units | ALS |
| L1933186-1    | CV216-DS  | 28-May-17    | Total Suspended Solids | 93.5   | mg/L     | ALS |
| L1933186-1    | CV216-DS  | 28-May-17    | Total Dissolved Solids | 350    | mg/L     | ALS |
| L1933186-1    | CV216-DS  | 28-May-17    | Turbidity              | 61.3   | NTU      | ALS |
| L1937803-3    | CV216-DS  | 4-Jun-17     | pH                     | 7.45   | pH units | ALS |
| L1937803-3    | CV216-DS  | 4-Jun-17     | Total Suspended Solids | 16.7   | mg/L     | ALS |
| L1937803-3    | CV216-DS  | 4-Jun-17     | Total Dissolved Solids | 403    | mg/L     | ALS |
| L1937803-3    | CV216-DS  | 4-Jun-17     | Turbidity              | 35.3   | NTU      | ALS |
| L1940450-17   | CV216-DS  | 10-Jun-17    | pH                     | 7.55   | pH units | ALS |
| L1940450-17   | CV216-DS  | 10-Jun-17    | Total Suspended Solids | 5.3    | mg/L     | ALS |
| L1940450-17   | CV216-DS  | 10-Jun-17    | Total Dissolved Solids | 479    | mg/L     | ALS |
| L1940450-17   | CV216-DS  | 10-Jun-17    | Turbidity              | 5.85   | NTU      | ALS |
| L1944004-11   | CV216-DS  | 17-Jun-17    | pH                     | 7.67   | pH units | ALS |
| L1944004-11   | CV216-DS  | 17-Jun-17    | Total Suspended Solids | 8.6    | mg/L     | ALS |
| L1944004-11   | CV216-DS  | 17-Jun-17    | Total Dissolved Solids | 341    | mg/L     | ALS |
| L1944004-11   | CV216-DS  | 17-Jun-17    | Turbidity              | 6.45   | NTU      | ALS |
| L1948077-48   | CV216-DS  | 23-Jun-17    | pH                     | 7.72   | pH units | ALS |
| L1948077-48   | CV216-DS  | 23-Jun-17    | Total Suspended Solids | 8.2    | mg/L     | ALS |
| L1948077-48   | CV216-DS  | 23-Jun-17    | Total Dissolved Solids | 342    | mg/L     | ALS |
| L1948077-48   | CV216-DS  | 23-Jun-17    | Turbidity              | 5.07   | NTU      | ALS |
| L1954099-31   | CV216-DS  | 1-Jul-17     | pH                     | 7.83   | pH units | ALS |
| L1954099-31   | CV216-DS  | 1-Jul-17     | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954099-31   | CV216-DS  | 1-Jul-17     | Total Dissolved Solids | 342    | mg/L     | ALS |
| L1954099-31   | CV216-DS  | 1-Jul-17     | Turbidity              | 2.52   | NTU      | ALS |
| L1944004-10   | CV217-US  | 17-Jun-17    | pH                     | 7.41   | pH units | ALS |

**Table B.2.4 - Water Quality Monitoring for Tote Road Water Crossings**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1944004-10   | CV217-US  | 17-Jun-17    | Total Suspended Solids | 2.9    | mg/L     | ALS |
| L1944004-10   | CV217-US  | 17-Jun-17    | Total Dissolved Solids | 34     | mg/L     | ALS |
| L1944004-10   | CV217-US  | 17-Jun-17    | Turbidity              | 3.46   | NTU      | ALS |
| L1948077-51   | CV217-US  | 23-Jun-17    | pH                     | 7.35   | pH units | ALS |
| L1948077-51   | CV217-US  | 23-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-51   | CV217-US  | 23-Jun-17    | Total Dissolved Solids | 32     | mg/L     | ALS |
| L1948077-51   | CV217-US  | 23-Jun-17    | Turbidity              | 0.85   | NTU      | ALS |
| L1954107-4    | CV217-US  | 29-Jun-17    | pH                     | 7.65   | pH units | ALS |
| L1954107-4    | CV217-US  | 29-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954107-4    | CV217-US  | 29-Jun-17    | Total Dissolved Solids | 34     | mg/L     | ALS |
| L1954107-4    | CV217-US  | 29-Jun-17    | Turbidity              | 1.06   | NTU      | ALS |
| L1954099-28   | CV217-US  | 1-Jul-17     | pH                     | 7.71   | pH units | ALS |
| L1954099-28   | CV217-US  | 1-Jul-17     | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954099-28   | CV217-US  | 1-Jul-17     | Total Dissolved Solids | 34     | mg/L     | ALS |
| L1954099-28   | CV217-US  | 1-Jul-17     | Turbidity              | 1.27   | NTU      | ALS |
| L1944004-9    | CV217-DS  | 17-Jun-17    | pH                     | 7.56   | pH units | ALS |
| L1944004-9    | CV217-DS  | 17-Jun-17    | Total Suspended Solids | 3      | mg/L     | ALS |
| L1944004-9    | CV217-DS  | 17-Jun-17    | Total Dissolved Solids | 41     | mg/L     | ALS |
| L1944004-9    | CV217-DS  | 17-Jun-17    | Turbidity              | 0.94   | NTU      | ALS |
| L1948077-50   | CV217-DS  | 23-Jun-17    | pH                     | 7.49   | pH units | ALS |
| L1948077-50   | CV217-DS  | 23-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-50   | CV217-DS  | 23-Jun-17    | Total Dissolved Solids | 39     | mg/L     | ALS |
| L1948077-50   | CV217-DS  | 23-Jun-17    | Turbidity              | 1.21   | NTU      | ALS |
| L1954107-3    | CV217-DS  | 29-Jun-17    | pH                     | 7.72   | pH units | ALS |
| L1954107-3    | CV217-DS  | 29-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1954107-3    | CV217-DS  | 29-Jun-17    | Total Dissolved Solids | 41     | mg/L     | ALS |
| L1954107-3    | CV217-DS  | 29-Jun-17    | Turbidity              | 1.01   | NTU      | ALS |
| L1954099-27   | CV217-DS  | 1-Jul-17     | pH                     | 7.73   | pH units | ALS |
| L1954099-27   | CV217-DS  | 1-Jul-17     | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954099-27   | CV217-DS  | 1-Jul-17     | Total Dissolved Solids | 39     | mg/L     | ALS |
| L1954099-27   | CV217-DS  | 1-Jul-17     | Turbidity              | 1.39   | NTU      | ALS |
| L1933186-42   | CV223-US  | 28-May-17    | pH                     | 7.52   | pH units | ALS |
| L1933186-42   | CV223-US  | 28-May-17    | Total Suspended Solids | 4      | mg/L     | ALS |
| L1933186-42   | CV223-US  | 28-May-17    | Total Dissolved Solids | 30     | mg/L     | ALS |
| L1933186-42   | CV223-US  | 28-May-17    | Turbidity              | 11     | NTU      | ALS |
| L1944004-18   | CV223-US  | 17-Jun-17    | pH                     | 7.37   | pH units | ALS |
| L1944004-18   | CV223-US  | 17-Jun-17    | Total Suspended Solids | 29.8   | mg/L     | ALS |
| L1944004-18   | CV223-US  | 17-Jun-17    | Total Dissolved Solids | 21     | mg/L     | ALS |
| L1944004-18   | CV223-US  | 17-Jun-17    | Turbidity              | 18.9   | NTU      | ALS |
| L1948077-37   | CV223-US  | 23-Jun-17    | pH                     | 7.27   | pH units | ALS |
| L1948077-37   | CV223-US  | 23-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-37   | CV223-US  | 23-Jun-17    | Total Dissolved Solids | 22     | mg/L     | ALS |
| L1948077-37   | CV223-US  | 23-Jun-17    | Turbidity              | 0.78   | NTU      | ALS |
| L1954185-16   | CV223-US  | 1-Jul-17     | pH                     | 7.4    | pH units | ALS |
| L1954185-16   | CV223-US  | 1-Jul-17     | Total Suspended Solids | 3.3    | mg/L     | ALS |
| L1954185-16   | CV223-US  | 1-Jul-17     | Total Dissolved Solids | <10    | mg/L     | ALS |
| L1954185-16   | CV223-US  | 1-Jul-17     | Turbidity              | 0.84   | NTU      | ALS |
| L1933186-43   | CV223-DS  | 28-May-17    | pH                     | 7.58   | pH units | ALS |
| L1933186-43   | CV223-DS  | 28-May-17    | Total Suspended Solids | 5.2    | mg/L     | ALS |
| L1933186-43   | CV223-DS  | 28-May-17    | Total Dissolved Solids | 25     | mg/L     | ALS |
| L1933186-43   | CV223-DS  | 28-May-17    | Turbidity              | 11.7   | NTU      | ALS |
| L1936151-13   | CV223-DS  | 2-Jun-17     | pH                     | 7.5    | mg/L     | ALS |
| L1936151-13   | CV223-DS  | 2-Jun-17     | Total Suspended Solids | 16.8   | mg/L     | ALS |
| L1936151-13   | CV223-DS  | 2-Jun-17     | Total Dissolved Solids | 35     | NTU      | ALS |
| L1936151-13   | CV223-DS  | 2-Jun-17     | Turbidity              | 20.8   | pH units | ALS |
| L1940450-5    | CV223-DS  | 10-Jun-17    | pH                     | 7.51   | pH units | ALS |
| L1940450-5    | CV223-DS  | 10-Jun-17    | Total Suspended Solids | 8.2    | mg/L     | ALS |
| L1940450-5    | CV223-DS  | 10-Jun-17    | Total Dissolved Solids | 23     | mg/L     | ALS |
| L1940450-5    | CV223-DS  | 10-Jun-17    | Turbidity              | 7.73   | NTU      | ALS |
| L1944004-17   | CV223-DS  | 17-Jun-17    | pH                     | 7.36   | pH units | ALS |
| L1944004-17   | CV223-DS  | 17-Jun-17    | Total Suspended Solids | 4.5    | mg/L     | ALS |
| L1944004-17   | CV223-DS  | 17-Jun-17    | Total Dissolved Solids | 16     | mg/L     | ALS |
| L1944004-17   | CV223-DS  | 17-Jun-17    | Turbidity              | 5.05   | NTU      | ALS |
| L1948077-36   | CV223-DS  | 23-Jun-17    | pH                     | 7.29   | pH units | ALS |

**Table B.2.4 - Water Quality Monitoring for Tote Road Water Crossings**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1948077-36   | CV223-DS  | 23-Jun-17    | Total Suspended Solids | 3      | mg/L     | ALS |
| L1948077-36   | CV223-DS  | 23-Jun-17    | Total Dissolved Solids | 21     | mg/L     | ALS |
| L1948077-36   | CV223-DS  | 23-Jun-17    | Turbidity              | 1.02   | NTU      | ALS |
| L1954185-15   | CV223-DS  | 1-Jul-17     | pH                     | 7.41   | pH units | ALS |
| L1954185-15   | CV223-DS  | 1-Jul-17     | Total Suspended Solids | 3.5    | mg/L     | ALS |
| L1954185-15   | CV223-DS  | 1-Jul-17     | Total Dissolved Solids | 15     | mg/L     | ALS |
| L1954185-15   | CV223-DS  | 1-Jul-17     | Turbidity              | 0.8    | NTU      | ALS |
| L1936151-12   | CV224-US  | 2-Jun-17     | pH                     | 7.37   | mg/L     | ALS |
| L1936151-12   | CV224-US  | 2-Jun-17     | Total Suspended Solids | 14.4   | mg/L     | ALS |
| L1936151-12   | CV224-US  | 2-Jun-17     | Total Dissolved Solids | 35     | NTU      | ALS |
| L1936151-12   | CV224-US  | 2-Jun-17     | Turbidity              | 11.4   | pH units | ALS |
| L1940450-1    | CV224-US  | 10-Jun-17    | pH                     | 7.4    | pH units | ALS |
| L1940450-1    | CV224-US  | 10-Jun-17    | Total Suspended Solids | 2.9    | mg/L     | ALS |
| L1940450-1    | CV224-US  | 10-Jun-17    | Total Dissolved Solids | 16     | mg/L     | ALS |
| L1940450-1    | CV224-US  | 10-Jun-17    | Turbidity              | 3.58   | NTU      | ALS |
| L1944004-22   | CV224-US  | 17-Jun-17    | pH                     | 7.51   | pH units | ALS |
| L1944004-22   | CV224-US  | 17-Jun-17    | Total Suspended Solids | 98.3   | mg/L     | ALS |
| L1944004-22   | CV224-US  | 17-Jun-17    | Total Dissolved Solids | 30     | mg/L     | ALS |
| L1944004-22   | CV224-US  | 17-Jun-17    | Turbidity              | 20.9   | NTU      | ALS |
| L1948077-77   | CV224-US  | 24-Jun-17    | pH                     | 7.49   | pH units | ALS |
| L1948077-77   | CV224-US  | 24-Jun-17    | Total Suspended Solids | 2.5    | mg/L     | ALS |
| L1948077-77   | CV224-US  | 24-Jun-17    | Total Dissolved Solids | 35     | mg/L     | ALS |
| L1948077-77   | CV224-US  | 24-Jun-17    | Turbidity              | 2.83   | NTU      | ALS |
| L1954185-18   | CV224-US  | 1-Jul-17     | pH                     | 7.89   | pH units | ALS |
| L1954185-18   | CV224-US  | 1-Jul-17     | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954185-18   | CV224-US  | 1-Jul-17     | Total Dissolved Solids | 37     | mg/L     | ALS |
| L1954185-18   | CV224-US  | 1-Jul-17     | Turbidity              | 2.92   | NTU      | ALS |
| L1936151-11   | CV224-DS  | 2-Jun-17     | pH                     | 7.4    | mg/L     | ALS |
| L1936151-11   | CV224-DS  | 2-Jun-17     | Total Suspended Solids | 88.4   | mg/L     | ALS |
| L1936151-11   | CV224-DS  | 2-Jun-17     | Total Dissolved Solids | 30     | NTU      | ALS |
| L1936151-11   | CV224-DS  | 2-Jun-17     | Turbidity              | 21.9   | pH units | ALS |
| L1940450-2    | CV224-DS  | 10-Jun-17    | pH                     | 7.49   | pH units | ALS |
| L1940450-2    | CV224-DS  | 10-Jun-17    | Total Suspended Solids | 4.6    | mg/L     | ALS |
| L1940450-2    | CV224-DS  | 10-Jun-17    | Total Dissolved Solids | 16     | mg/L     | ALS |
| L1940450-2    | CV224-DS  | 10-Jun-17    | Turbidity              | 4.47   | NTU      | ALS |
| L1944004-21   | CV224-DS  | 17-Jun-17    | pH                     | 7.53   | pH units | ALS |
| L1944004-21   | CV224-DS  | 17-Jun-17    | Total Suspended Solids | 69.7   | mg/L     | ALS |
| L1944004-21   | CV224-DS  | 17-Jun-17    | Total Dissolved Solids | 27     | mg/L     | ALS |
| L1944004-21   | CV224-DS  | 17-Jun-17    | Turbidity              | 18.1   | NTU      | ALS |
| L1948077-76   | CV224-DS  | 24-Jun-17    | pH                     | 7.52   | pH units | ALS |
| L1948077-76   | CV224-DS  | 24-Jun-17    | Total Suspended Solids | 7.1    | mg/L     | ALS |
| L1948077-76   | CV224-DS  | 24-Jun-17    | Total Dissolved Solids | 36     | mg/L     | ALS |
| L1948077-76   | CV224-DS  | 24-Jun-17    | Turbidity              | 4.72   | NTU      | ALS |
| L1954185-17   | CV224-DS  | 1-Jul-17     | pH                     | 7.9    | pH units | ALS |
| L1954185-17   | CV224-DS  | 1-Jul-17     | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954185-17   | CV224-DS  | 1-Jul-17     | Total Dissolved Solids | 44     | mg/L     | ALS |
| L1954185-17   | CV224-DS  | 1-Jul-17     | Turbidity              | 2.18   | NTU      | ALS |
| L1933186-44   | CV225-US  | 28-May-17    | pH                     | 7.46   | pH units | ALS |
| L1933186-44   | CV225-US  | 28-May-17    | Total Suspended Solids | 3.6    | mg/L     | ALS |
| L1933186-44   | CV225-US  | 28-May-17    | Total Dissolved Solids | 45     | mg/L     | ALS |
| L1933186-44   | CV225-US  | 28-May-17    | Turbidity              | 8.14   | NTU      | ALS |
| L1936151-8    | CV225-US  | 2-Jun-17     | pH                     | 7.37   | mg/L     | ALS |
| L1936151-8    | CV225-US  | 2-Jun-17     | Total Suspended Solids | 7.2    | mg/L     | ALS |
| L1936151-8    | CV225-US  | 2-Jun-17     | Total Dissolved Solids | 30     | NTU      | ALS |
| L1936151-8    | CV225-US  | 2-Jun-17     | Turbidity              | 7.79   | pH units | ALS |
| L1940450-4    | CV225-US  | 10-Jun-17    | pH                     | 7.64   | pH units | ALS |
| L1940450-4    | CV225-US  | 10-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1940450-4    | CV225-US  | 10-Jun-17    | Total Dissolved Solids | 29     | mg/L     | ALS |
| L1940450-4    | CV225-US  | 10-Jun-17    | Turbidity              | 2.24   | NTU      | ALS |
| L1944004-20   | CV225-US  | 17-Jun-17    | pH                     | 7.5    | pH units | ALS |
| L1944004-20   | CV225-US  | 17-Jun-17    | Total Suspended Solids | 11     | mg/L     | ALS |
| L1944004-20   | CV225-US  | 17-Jun-17    | Total Dissolved Solids | 24     | mg/L     | ALS |
| L1944004-20   | CV225-US  | 17-Jun-17    | Turbidity              | 4.13   | NTU      | ALS |
| L1948077-35   | CV225-US  | 23-Jun-17    | pH                     | 7.45   | pH units | ALS |

**Table B.2.4 - Water Quality Monitoring for Tote Road Water Crossings**

| Sample Number | Sample ID | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|-----------|--------------|------------------------|--------|----------|-----|
| L1948077-35   | CV225-US  | 23-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-35   | CV225-US  | 23-Jun-17    | Total Dissolved Solids | 24     | mg/L     | ALS |
| L1948077-35   | CV225-US  | 23-Jun-17    | Turbidity              | 1.48   | NTU      | ALS |
| L1954185-20   | CV225-US  | 1-Jul-17     | pH                     | 7.72   | pH units | ALS |
| L1954185-20   | CV225-US  | 1-Jul-17     | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1954185-20   | CV225-US  | 1-Jul-17     | Total Dissolved Solids | 42     | mg/L     | ALS |
| L1954185-20   | CV225-US  | 1-Jul-17     | Turbidity              | 1.21   | NTU      | ALS |
| L1930251-9    | CV225-DS  | 23-May-17    | pH                     | 7.27   | pH units | ALS |
| L1930251-9    | CV225-DS  | 23-May-17    | Total Suspended Solids | 13.6   | mg/L     | ALS |
| L1930251-9    | CV225-DS  | 23-May-17    | Total Dissolved Solids | 105    | mg/L     | ALS |
| L1930251-9    | CV225-DS  | 23-May-17    | Turbidity              | 30.8   | NTU      | ALS |
| L1933186-45   | CV225-DS  | 28-May-17    | pH                     | 7.45   | pH units | ALS |
| L1933186-45   | CV225-DS  | 28-May-17    | Total Suspended Solids | 3.2    | mg/L     | ALS |
| L1933186-45   | CV225-DS  | 28-May-17    | Total Dissolved Solids | 20     | mg/L     | ALS |
| L1933186-45   | CV225-DS  | 28-May-17    | Turbidity              | 10.3   | NTU      | ALS |
| L1936151-7    | CV225-DS  | 2-Jun-17     | pH                     | 7.4    | mg/L     | ALS |
| L1936151-7    | CV225-DS  | 2-Jun-17     | Total Suspended Solids | 23.6   | mg/L     | ALS |
| L1936151-7    | CV225-DS  | 2-Jun-17     | Total Dissolved Solids | 30     | NTU      | ALS |
| L1936151-7    | CV225-DS  | 2-Jun-17     | Turbidity              | 13.5   | pH units | ALS |
| L1940450-3    | CV225-DS  | 10-Jun-17    | pH                     | 7.62   | pH units | ALS |
| L1940450-3    | CV225-DS  | 10-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1940450-3    | CV225-DS  | 10-Jun-17    | Total Dissolved Solids | 31     | mg/L     | ALS |
| L1940450-3    | CV225-DS  | 10-Jun-17    | Turbidity              | 2.73   | NTU      | ALS |
| L1944004-19   | CV225-DS  | 17-Jun-17    | pH                     | 7.5    | pH units | ALS |
| L1944004-19   | CV225-DS  | 17-Jun-17    | Total Suspended Solids | 8.9    | mg/L     | ALS |
| L1944004-19   | CV225-DS  | 17-Jun-17    | Total Dissolved Solids | 22     | mg/L     | ALS |
| L1944004-19   | CV225-DS  | 17-Jun-17    | Turbidity              | 4.25   | NTU      | ALS |
| L1948077-34   | CV225-DS  | 23-Jun-17    | pH                     | 7.53   | pH units | ALS |
| L1948077-34   | CV225-DS  | 23-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1948077-34   | CV225-DS  | 23-Jun-17    | Total Dissolved Solids | 30     | mg/L     | ALS |
| L1948077-34   | CV225-DS  | 23-Jun-17    | Turbidity              | 1.73   | NTU      | ALS |
| L1954185-19   | CV225-DS  | 1-Jul-17     | pH                     | 7.72   | pH units | ALS |
| L1954185-19   | CV225-DS  | 1-Jul-17     | Total Suspended Solids | 4      | mg/L     | ALS |
| L1954185-19   | CV225-DS  | 1-Jul-17     | Total Dissolved Solids | 40     | mg/L     | ALS |
| L1954185-19   | CV225-DS  | 1-Jul-17     | Turbidity              | 0.62   | NTU      | ALS |

**Note**

Highlighted TSS results indicate exceedances of the 30 mg/L limit for grab samples as outlined in Table 11: Effluent Quality Discharge Limits for Contact Water provided in Baffinland's Type A Water Licence (2AM-MRY1325, Amend. 1)

**Table B.2.5 - Surface Water Quality Monitoring near New Milne Port Camp Pad**

| Sample Number | Sample ID     | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|---------------|--------------|------------------------|--------|----------|-----|
| L1941264-2    | CV-175-PAD-DS | 12-Jun-17    | pH                     | 8.03   | pH units | ALS |
| L1941264-2    | CV-175-PAD-DS | 12-Jun-17    | Total Suspended Solids | 27.3   | mg/L     | ALS |
| L1941264-2    | CV-175-PAD-DS | 12-Jun-17    | Total Dissolved Solids | 133    | mg/L     | ALS |
| L1941264-2    | CV-175-PAD-DS | 12-Jun-17    | Turbidity              | 43     | NTU      | ALS |
| L1941264-4    | CV-175-PAD-DS | 13-Jun-17    | pH                     | 8      | pH units | ALS |
| L1941264-4    | CV-175-PAD-DS | 13-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1941264-4    | CV-175-PAD-DS | 13-Jun-17    | Total Dissolved Solids | 97     | mg/L     | ALS |
| L1941264-4    | CV-175-PAD-DS | 13-Jun-17    | Turbidity              | 6.61   | NTU      | ALS |
| L1943407-5    | CV-175-PAD-DS | 14-Jun-17    | pH                     | 8.07   | pH units | ALS |
| L1943407-5    | CV-175-PAD-DS | 14-Jun-17    | Total Suspended Solids | 25.6   | mg/L     | ALS |
| L1943407-5    | CV-175-PAD-DS | 14-Jun-17    | Total Dissolved Solids | 125    | mg/L     | ALS |
| L1943407-5    | CV-175-PAD-DS | 14-Jun-17    | Turbidity              | 26.4   | NTU      | ALS |
| L1943480-5    | CV-175-PAD-DS | 15-Jun-17    | pH                     | 8.04   | pH units | ALS |
| L1943480-5    | CV-175-PAD-DS | 15-Jun-17    | Total Suspended Solids | 33.1   | mg/L     | ALS |
| L1943480-5    | CV-175-PAD-DS | 15-Jun-17    | Total Dissolved Solids | 105    | mg/L     | ALS |
| L1943480-5    | CV-175-PAD-DS | 15-Jun-17    | Turbidity              | 11.1   | NTU      | ALS |
| L1943990-5    | CV-175-PAD-DS | 16-Jun-17    | pH                     | 7.91   | pH units | ALS |
| L1943990-5    | CV-175-PAD-DS | 16-Jun-17    | Total Suspended Solids | 11.6   | mg/L     | ALS |
| L1943990-5    | CV-175-PAD-DS | 16-Jun-17    | Total Dissolved Solids | 145    | mg/L     | ALS |
| L1943990-5    | CV-175-PAD-DS | 16-Jun-17    | Turbidity              | 17.2   | NTU      | ALS |
| L1943996-5    | CV-175-PAD-DS | 17-Jun-17    | pH                     | 8.02   | pH units | ALS |
| L1943996-5    | CV-175-PAD-DS | 17-Jun-17    | Total Suspended Solids | 8      | mg/L     | ALS |
| L1943996-5    | CV-175-PAD-DS | 17-Jun-17    | Total Dissolved Solids | 157    | mg/L     | ALS |
| L1943996-5    | CV-175-PAD-DS | 17-Jun-17    | Turbidity              | 14.7   | NTU      | ALS |
| L1945233-1    | CV-175-PAD-DS | 18-Jun-17    | pH                     | 8.12   | pH units | ALS |
| L1945233-1    | CV-175-PAD-DS | 18-Jun-17    | Total Suspended Solids | 3.1    | mg/L     | ALS |
| L1945233-1    | CV-175-PAD-DS | 18-Jun-17    | Total Dissolved Solids | 103    | mg/L     | ALS |
| L1945233-1    | CV-175-PAD-DS | 18-Jun-17    | Turbidity              | 6.81   | NTU      | ALS |
| L1946643-1    | CV-175-PAD-DS | 19-Jun-17    | pH                     | 8.01   | pH units | ALS |
| L1946643-1    | CV-175-PAD-DS | 19-Jun-17    | Total Suspended Solids | 2.6    | mg/L     | ALS |
| L1946643-1    | CV-175-PAD-DS | 19-Jun-17    | Total Dissolved Solids | 84     | mg/L     | ALS |
| L1946643-1    | CV-175-PAD-DS | 19-Jun-17    | Turbidity              | 10.3   | NTU      | ALS |
| L1945617-1    | CV-175-PAD-DS | 20-Jun-17    | pH                     | 8.13   | pH units | ALS |
| L1945617-1    | CV-175-PAD-DS | 20-Jun-17    | Total Suspended Solids | 2.2    | mg/L     | ALS |
| L1945617-1    | CV-175-PAD-DS | 20-Jun-17    | Total Dissolved Solids | 71     | mg/L     | ALS |
| L1945617-1    | CV-175-PAD-DS | 20-Jun-17    | Turbidity              | 7.8    | NTU      | ALS |
| L1948068-1    | CV-175-PAD-DS | 21-Jun-17    | pH                     | 7.94   | pH units | ALS |
| L1948068-1    | CV-175-PAD-DS | 21-Jun-17    | Total Suspended Solids | 3.8    | mg/L     | ALS |
| L1948068-1    | CV-175-PAD-DS | 21-Jun-17    | Total Dissolved Solids | 101    | mg/L     | ALS |
| L1948068-1    | CV-175-PAD-DS | 21-Jun-17    | Turbidity              | 7.48   | NTU      | ALS |
| L1948074-1    | CV-175-PAD-DS | 22-Jun-17    | pH                     | 7.99   | pH units | ALS |
| L1948074-1    | CV-175-PAD-DS | 22-Jun-17    | Total Suspended Solids | 2.4    | mg/L     | ALS |
| L1948074-1    | CV-175-PAD-DS | 22-Jun-17    | Total Dissolved Solids | 114    | mg/L     | ALS |
| L1948074-1    | CV-175-PAD-DS | 22-Jun-17    | Turbidity              | 4.82   | NTU      | ALS |
| L1948170-2    | CV-175-PAD-DS | 23-Jun-17    | pH                     | 7.95   | mg/L     | ALS |
| L1948170-2    | CV-175-PAD-DS | 23-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1948170-2    | CV-175-PAD-DS | 23-Jun-17    | Total Dissolved Solids | 86     | NTU      | ALS |
| L1948170-2    | CV-175-PAD-DS | 23-Jun-17    | Turbidity              | 5.43   | pH units | ALS |
| L1948330-2    | CV-175-PAD-DS | 24-Jun-17    | pH                     | 7.86   | pH units | ALS |
| L1948330-2    | CV-175-PAD-DS | 24-Jun-17    | Total Suspended Solids | 2.5    | mg/L     | ALS |
| L1948330-2    | CV-175-PAD-DS | 24-Jun-17    | Total Dissolved Solids | 122    | mg/L     | ALS |
| L1948330-2    | CV-175-PAD-DS | 24-Jun-17    | Turbidity              | 5.06   | NTU      | ALS |
| L1948367-2    | CV-175-PAD-DS | 25-Jun-17    | pH                     | 7.88   | pH units | ALS |
| L1948367-2    | CV-175-PAD-DS | 25-Jun-17    | Total Suspended Solids | 7.7    | mg/L     | ALS |
| L1948367-2    | CV-175-PAD-DS | 25-Jun-17    | Total Dissolved Solids | 131    | mg/L     | ALS |
| L1948367-2    | CV-175-PAD-DS | 25-Jun-17    | Turbidity              | 5.09   | NTU      | ALS |
| L1950080-2    | CV-175-PAD-DS | 26-Jun-17    | pH                     | 7.87   | pH units | ALS |
| L1950080-2    | CV-175-PAD-DS | 26-Jun-17    | Total Suspended Solids | 2      | mg/L     | ALS |
| L1950080-2    | CV-175-PAD-DS | 26-Jun-17    | Total Dissolved Solids | 95     | mg/L     | ALS |
| L1950080-2    | CV-175-PAD-DS | 26-Jun-17    | Turbidity              | 4.81   | NTU      | ALS |
| L1951260-2    | CV-175-PAD-DS | 27-Jun-17    | pH                     | 7.91   | pH units | ALS |
| L1951260-2    | CV-175-PAD-DS | 27-Jun-17    | Total Suspended Solids | <2.0   | mg/L     | ALS |
| L1951260-2    | CV-175-PAD-DS | 27-Jun-17    | Total Dissolved Solids | 125    | mg/L     | ALS |
| L1951260-2    | CV-175-PAD-DS | 27-Jun-17    | Turbidity              | 4.87   | NTU      | ALS |
| L1954199-2    | CV-175-PAD-DS | 29-Jun-17    | pH                     | 8.16   | pH units | ALS |

**Table B.2.5 - Surface Water Quality Monitoring near New Milne Port Camp Pad**

| Sample Number | Sample ID     | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|---------------|--------------|------------------------|--------|----------|-----|
| L1954199-2    | CV-175-PAD-DS | 29-Jun-17    | Total Suspended Solids | 2.8    | mg/L     | ALS |
| L1954199-2    | CV-175-PAD-DS | 29-Jun-17    | Total Dissolved Solids | 181    | mg/L     | ALS |
| L1954199-2    | CV-175-PAD-DS | 29-Jun-17    | Turbidity              | 3.99   | NTU      | ALS |
| L1953917-2    | CV-175-PAD-DS | 30-Jun-17    | pH                     | 8.04   | pH units | ALS |
| L1953917-2    | CV-175-PAD-DS | 30-Jun-17    | Total Suspended Solids | 2.9    | mg/L     | ALS |
| L1953917-2    | CV-175-PAD-DS | 30-Jun-17    | Total Dissolved Solids | 176    | mg/L     | ALS |
| L1953917-2    | CV-175-PAD-DS | 30-Jun-17    | Turbidity              | 3.54   | NTU      | ALS |
| L1941264-1    | CV-175-PAD-US | 12-Jun-17    | pH                     | 8.02   | pH units | ALS |
| L1941264-1    | CV-175-PAD-US | 12-Jun-17    | Total Suspended Solids | 104    | mg/L     | ALS |
| L1941264-1    | CV-175-PAD-US | 12-Jun-17    | Total Dissolved Solids | 88     | mg/L     | ALS |
| L1941264-1    | CV-175-PAD-US | 12-Jun-17    | Turbidity              | 53.9   | NTU      | ALS |
| L1941264-3    | CV-175-PAD-US | 13-Jun-17    | pH                     | 7.94   | mg/L     | ALS |
| L1941264-3    | CV-175-PAD-US | 13-Jun-17    | Total Suspended Solids | 12.1   | mg/L     | ALS |
| L1941264-3    | CV-175-PAD-US | 13-Jun-17    | Total Dissolved Solids | 66     | NTU      | ALS |
| L1941264-3    | CV-175-PAD-US | 13-Jun-17    | Turbidity              | 7.43   | pH units | ALS |
| L1943407-4    | CV-175-PAD-US | 14-Jun-17    | pH                     | 8.12   | pH units | ALS |
| L1943407-4    | CV-175-PAD-US | 14-Jun-17    | Total Suspended Solids | 79.5   | mg/L     | ALS |
| L1943407-4    | CV-175-PAD-US | 14-Jun-17    | Total Dissolved Solids | 91     | mg/L     | ALS |
| L1943407-4    | CV-175-PAD-US | 14-Jun-17    | Turbidity              | 33.3   | NTU      | ALS |
| L1943480-4    | CV-175-PAD-US | 15-Jun-17    | pH                     | 7.88   | pH units | ALS |
| L1943480-4    | CV-175-PAD-US | 15-Jun-17    | Total Suspended Solids | 79.2   | mg/L     | ALS |
| L1943480-4    | CV-175-PAD-US | 15-Jun-17    | Total Dissolved Solids | 70     | mg/L     | ALS |
| L1943480-4    | CV-175-PAD-US | 15-Jun-17    | Turbidity              | 6.09   | NTU      | ALS |
| L1943990-4    | CV-175-PAD-US | 16-Jun-17    | pH                     | 7.89   | pH units | ALS |
| L1943990-4    | CV-175-PAD-US | 16-Jun-17    | Total Suspended Solids | 29.6   | mg/L     | ALS |
| L1943990-4    | CV-175-PAD-US | 16-Jun-17    | Total Dissolved Solids | 155    | mg/L     | ALS |
| L1943990-4    | CV-175-PAD-US | 16-Jun-17    | Turbidity              | 12.9   | NTU      | ALS |
| L1943996-4    | CV-175-PAD-US | 17-Jun-17    | pH                     | 7.96   | pH units | ALS |
| L1943996-4    | CV-175-PAD-US | 17-Jun-17    | Total Suspended Solids | 16     | mg/L     | ALS |
| L1943996-4    | CV-175-PAD-US | 17-Jun-17    | Total Dissolved Solids | 145    | mg/L     | ALS |
| L1943996-4    | CV-175-PAD-US | 17-Jun-17    | Turbidity              | 7.49   | NTU      | ALS |
| L1945233-2    | CV-175-PAD-US | 18-Jun-17    | pH                     | 8.1    | pH units | ALS |
| L1945233-2    | CV-175-PAD-US | 18-Jun-17    | Total Suspended Solids | 10.6   | mg/L     | ALS |
| L1945233-2    | CV-175-PAD-US | 18-Jun-17    | Total Dissolved Solids | 112    | mg/L     | ALS |
| L1945233-2    | CV-175-PAD-US | 18-Jun-17    | Turbidity              | 6.39   | NTU      | ALS |
| L1946643-2    | CV-175-PAD-US | 19-Jun-17    | pH                     | 8      | pH units | ALS |
| L1946643-2    | CV-175-PAD-US | 19-Jun-17    | Total Suspended Solids | 5.6    | mg/L     | ALS |
| L1946643-2    | CV-175-PAD-US | 19-Jun-17    | Total Dissolved Solids | 48     | mg/L     | ALS |
| L1946643-2    | CV-175-PAD-US | 19-Jun-17    | Turbidity              | 9      | NTU      | ALS |
| L1945617-2    | CV-175-PAD-US | 20-Jun-17    | pH                     | 8.1    | pH units | ALS |
| L1945617-2    | CV-175-PAD-US | 20-Jun-17    | Total Suspended Solids | 8      | mg/L     | ALS |
| L1945617-2    | CV-175-PAD-US | 20-Jun-17    | Total Dissolved Solids | 74     | mg/L     | ALS |
| L1945617-2    | CV-175-PAD-US | 20-Jun-17    | Turbidity              | 10.6   | NTU      | ALS |
| L1948068-3    | CV-175-PAD-US | 21-Jun-17    | pH                     | 7.99   | pH units | ALS |
| L1948068-3    | CV-175-PAD-US | 21-Jun-17    | Total Suspended Solids | 19.3   | mg/L     | ALS |
| L1948068-3    | CV-175-PAD-US | 21-Jun-17    | Total Dissolved Solids | 68     | mg/L     | ALS |
| L1948068-3    | CV-175-PAD-US | 21-Jun-17    | Turbidity              | 7.2    | NTU      | ALS |
| L1948074-3    | CV-175-PAD-US | 22-Jun-17    | pH                     | 7.96   | pH units | ALS |
| L1948074-3    | CV-175-PAD-US | 22-Jun-17    | Total Suspended Solids | 17.7   | mg/L     | ALS |
| L1948074-3    | CV-175-PAD-US | 22-Jun-17    | Total Dissolved Solids | 83     | mg/L     | ALS |
| L1948074-3    | CV-175-PAD-US | 22-Jun-17    | Turbidity              | 3.46   | NTU      | ALS |
| L1948170-3    | CV-175-PAD-US | 23-Jun-17    | pH                     | 7.96   | pH units | ALS |
| L1948170-3    | CV-175-PAD-US | 23-Jun-17    | Total Suspended Solids | 6.5    | mg/L     | ALS |
| L1948170-3    | CV-175-PAD-US | 23-Jun-17    | Total Dissolved Solids | 122    | mg/L     | ALS |
| L1948170-3    | CV-175-PAD-US | 23-Jun-17    | Turbidity              | 3.49   | NTU      | ALS |
| L1948330-3    | CV-175-PAD-US | 24-Jun-17    | pH                     | 7.97   | pH units | ALS |
| L1948330-3    | CV-175-PAD-US | 24-Jun-17    | Total Suspended Solids | 3.2    | mg/L     | ALS |
| L1948330-3    | CV-175-PAD-US | 24-Jun-17    | Total Dissolved Solids | 93     | mg/L     | ALS |
| L1948330-3    | CV-175-PAD-US | 24-Jun-17    | Turbidity              | 2.8    | NTU      | ALS |
| L1948367-3    | CV-175-PAD-US | 25-Jun-17    | pH                     | 8      | pH units | ALS |
| L1948367-3    | CV-175-PAD-US | 25-Jun-17    | Total Suspended Solids | 5      | mg/L     | ALS |
| L1948367-3    | CV-175-PAD-US | 25-Jun-17    | Total Dissolved Solids | 100    | mg/L     | ALS |
| L1948367-3    | CV-175-PAD-US | 25-Jun-17    | Turbidity              | 3.19   | NTU      | ALS |
| L1950080-3    | CV-175-PAD-US | 26-Jun-17    | pH                     | 8.15   | pH units | ALS |

**Table B.2.5 - Surface Water Quality Monitoring near New Milne Port Camp Pad**

| Sample Number | Sample ID     | Date Sampled | Parameter Name         | Result | Units    | Lab |
|---------------|---------------|--------------|------------------------|--------|----------|-----|
| L1950080-3    | CV-175-PAD-US | 26-Jun-17    | Total Suspended Solids | 4.4    | mg/L     | ALS |
| L1950080-3    | CV-175-PAD-US | 26-Jun-17    | Total Dissolved Solids | 70     | mg/L     | ALS |
| L1950080-3    | CV-175-PAD-US | 26-Jun-17    | Turbidity              | 2.85   | NTU      | ALS |
| L1951260-3    | CV-175-PAD-US | 27-Jun-17    | pH                     | 8.19   | pH units | ALS |
| L1951260-3    | CV-175-PAD-US | 27-Jun-17    | Total Suspended Solids | 2.4    | mg/L     | ALS |
| L1951260-3    | CV-175-PAD-US | 27-Jun-17    | Total Dissolved Solids | 100    | mg/L     | ALS |
| L1951260-3    | CV-175-PAD-US | 27-Jun-17    | Turbidity              | 2.65   | NTU      | ALS |
| L1954199-3    | CV-175-PAD-US | 29-Jun-17    | pH                     | 8.26   | pH units | ALS |
| L1954199-3    | CV-175-PAD-US | 29-Jun-17    | Total Suspended Solids | 2.5    | mg/L     | ALS |
| L1954199-3    | CV-175-PAD-US | 29-Jun-17    | Total Dissolved Solids | 126    | mg/L     | ALS |
| L1954199-3    | CV-175-PAD-US | 29-Jun-17    | Turbidity              | 2.18   | NTU      | ALS |
| L1953917-3    | CV-175-PAD-US | 30-Jun-17    | pH                     | 8.26   | pH units | ALS |
| L1953917-3    | CV-175-PAD-US | 30-Jun-17    | Total Suspended Solids | 5.1    | mg/L     | ALS |
| L1953917-3    | CV-175-PAD-US | 30-Jun-17    | Total Dissolved Solids | 135    | mg/L     | ALS |
| L1953917-3    | CV-175-PAD-US | 30-Jun-17    | Turbidity              | 2.92   | NTU      | ALS |

**Note**

Highlighted TSS results indicate exceedances of the 30 mg/L limit for grab samples as outlined in Table 11: Effluent Quality Discharge Limits for Contact Water provided in Baffinland's Type A Water Licence (2AM-MRY1325, Amend. 1)

## **APPENDIX B.3**

### **Acute Toxicity Results**

**Table B.3.1 - Acute Toxicity Results for Sheardown Lake Tributaries**

| Sample Number | Sample ID | Date Sampled | Parameter Name                          | Result | Units       | Lab     |
|---------------|-----------|--------------|-----------------------------------------|--------|-------------|---------|
| 51197         | SDLT-OUT  | 16-May-17    | Acute Toxicity - <i>Daphnia magna</i> * | 0.0    | mortality % | Aquatox |
| 51197         | SDLT-OUT  | 16-May-17    | Acute Toxicity - Rainbow Trout**        | 0.0    | mortality % | Aquatox |

**Note:** \*Acute lethality to *Daphnia magna* (as per Environment Canada's Environmental Protection Series Method EPS/1/RM/14)

\*\*Acute lethality to Rainbow trout, *Oncorhynchus mykiss* (as per Environment Canada's Environmental Protection Series Method EPS/1/RM/13)

**Table B.3.2 - Acute Toxicity Results for Camp Lake Tributaries**

| Sample Number | Sample ID | Date Sampled | Parameter Name                          | Result | Units       | Lab     |
|---------------|-----------|--------------|-----------------------------------------|--------|-------------|---------|
| 51198         | CLT-OUT   | 16-May-17    | Acute Toxicity - <i>Daphnia magna</i> * | 0.0    | mortality % | Aquatox |
| 51198         | CLT-OUT   | 16-May-17    | Acute Toxicity - Rainbow Trout**        | 0.0    | mortality % | Aquatox |

**Note:** \*Acute lethality to *Daphnia magna* (as per Environment Canada's Environmental Protection Series Method EPS/1/RM/14)

\*\*Acute lethality to Rainbow trout, *Oncorhynchus mykiss* (as per Environment Canada's Environmental Protection Series Method EPS/1/RM/13)

**Table B.3.3 - Acute Toxicity Results for Milne Port East Sedimentation Pond (MP-05)**

| Sample Number | Sample ID | Date Sampled | Parameter Name                          | Result | Units       | Lab     |
|---------------|-----------|--------------|-----------------------------------------|--------|-------------|---------|
| 51276         | MP-05     | 27-May-17    | Acute Toxicity - <i>Daphnia magna</i> * | 0.0    | mortality % | Aquatox |
| 51276         | MP-05     | 27-May-17    | Acute Toxicity - Rainbow Trout**        | 0.0    | mortality % | Aquatox |
| 51303         | MP-05     | 29-May-17    | Acute Toxicity - <i>Daphnia magna</i> * | 0.0    | mortality % | Aquatox |
| 51303         | MP-05     | 29-May-17    | Acute Toxicity - Rainbow Trout**        | 0.0    | mortality % | Aquatox |

**Note:** \*Acute lethality to *Daphnia magna* (as per Environment Canada's Environmental Protection Series Method EPS/1/RM/14)

\*\*Acute lethality to Rainbow trout, *Oncorhynchus mykiss* (as per Environment Canada's Environmental Protection Series Method EPS/1/RM/13)