

APPENDIX E.10.2
2017 FRESHET MONITORING REPORT NO. 2
(Part 1)



BAFFINLAND IRON MINES CORPORATION MARY RIVER PROJECT

Freshet 2017 Monitoring Report No. 2

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		Andrew Vermeer	Connor Devereaux	C. Murray
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 2017¹, 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 15th) and ends on June 30th 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 15th to June 30th) 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 15th to June 30th) 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

¹ 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)². 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 Direction³ 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.

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

³ 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 Operations⁴. 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

⁴ 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)⁵.

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 Direction⁶ 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 letter⁷ 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.

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

⁶ INAC. 2017. INAC Inspector's Direction issued to Baffinland. June 9, 2017.

⁷ 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 Plan⁸ 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 Report⁹, 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.

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

⁹ 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 ³)	Average TSS Concentration (mg/L) ¹
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 ²	351	-
June 8, 2017	0	12.4 (1)
June 14, 2017	0	14.4 (1)
Cumulative Volume Discharged (m³)	18,911	-

¹ Values in brackets indicate the number of TSS measurements used to calculate average TSS concentrations

² 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 ²	15	58.4	8.8	27.6	29.6	245.0	142.0	-	29.2	-	-	-	-	512.5
Mean June/July TSS Concentration ³	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:

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

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³ 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.

NS¹ 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 ²	347.7	136.0	240.0	-	-	11.6	14.0	-	-	6.0	-	-	-	-
Mean June/July TSS Concentration ³	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:

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

² Inclusive of TSS results collected from May 1, 2017 to May 31, 2017.

³ 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 ²	-	-	-	22.0	26.4	128.0	141.0	-	-	9.2	9.2	-	-	-
Mean June/July TSS Concentration ³	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:

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

² Inclusive of TSS results collected from May 1, 2017 to May 31, 2017.

³ 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.

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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 ²	-	64.8	11.6	-	-	-	-	9.6	-	11.6	9.2	16.4	-	-
Mean June/July TSS Concentration ³	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:

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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 ²	9.2	10.4	28.4	17.6	11.2	18.0	-	-	-	-	-	-	-	22.4
Mean June/July TSS Concentration ³	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:

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

² Inclusive of TSS results collected from May 1, 2017 to May 31, 2017.

³ 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 ²	-	41.2	27.6	27.2	31.8	-	-	-	-	5.2	4.0	-	-	8.4
Mean June/July TSS Concentration ³	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:

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

² Inclusive of TSS results collected from May 1, 2017 to May 31, 2017.

³ 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 ²	3.6	-	-	5.5	2.1	-	-
Mean June/July TSS Concentration ³	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:

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

² Inclusive of TSS results collected from May 1, 2017 to May 31, 2017.

³ 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.

NS¹ 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

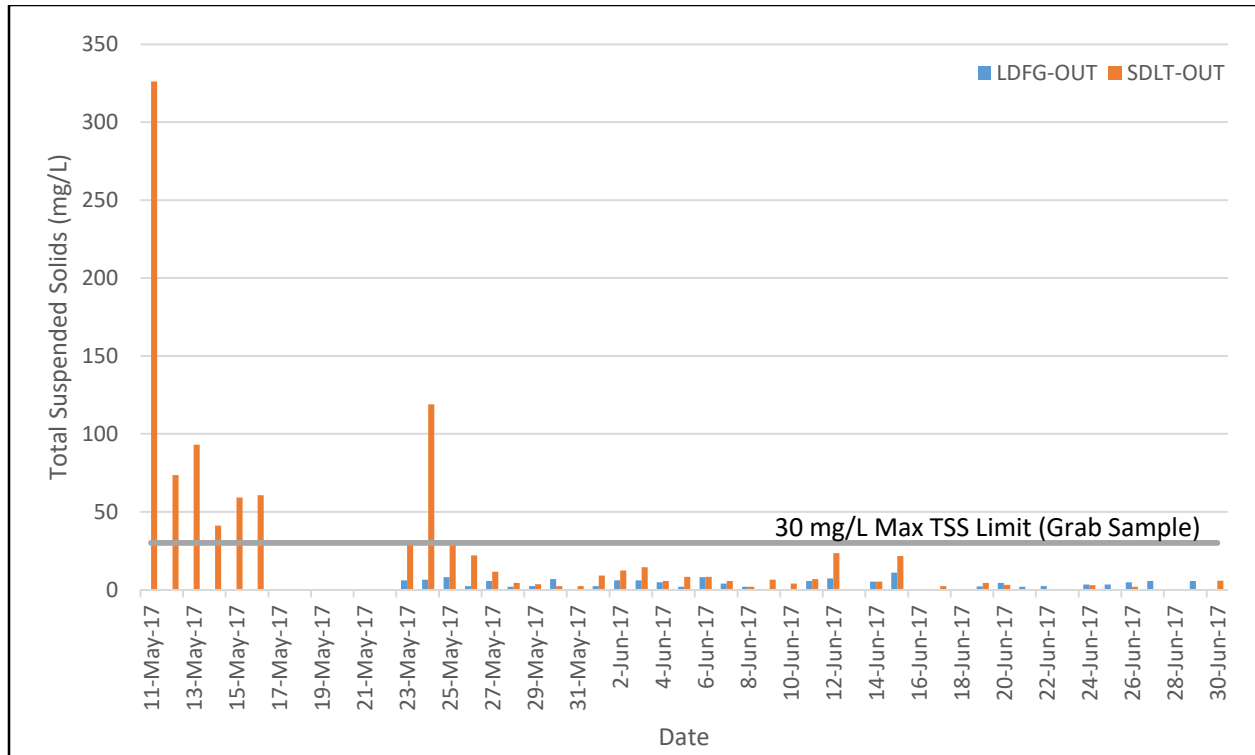


Figure 1 – Total Suspended Solids (TSS) Concentrations for Sheardown Lake Tributaries

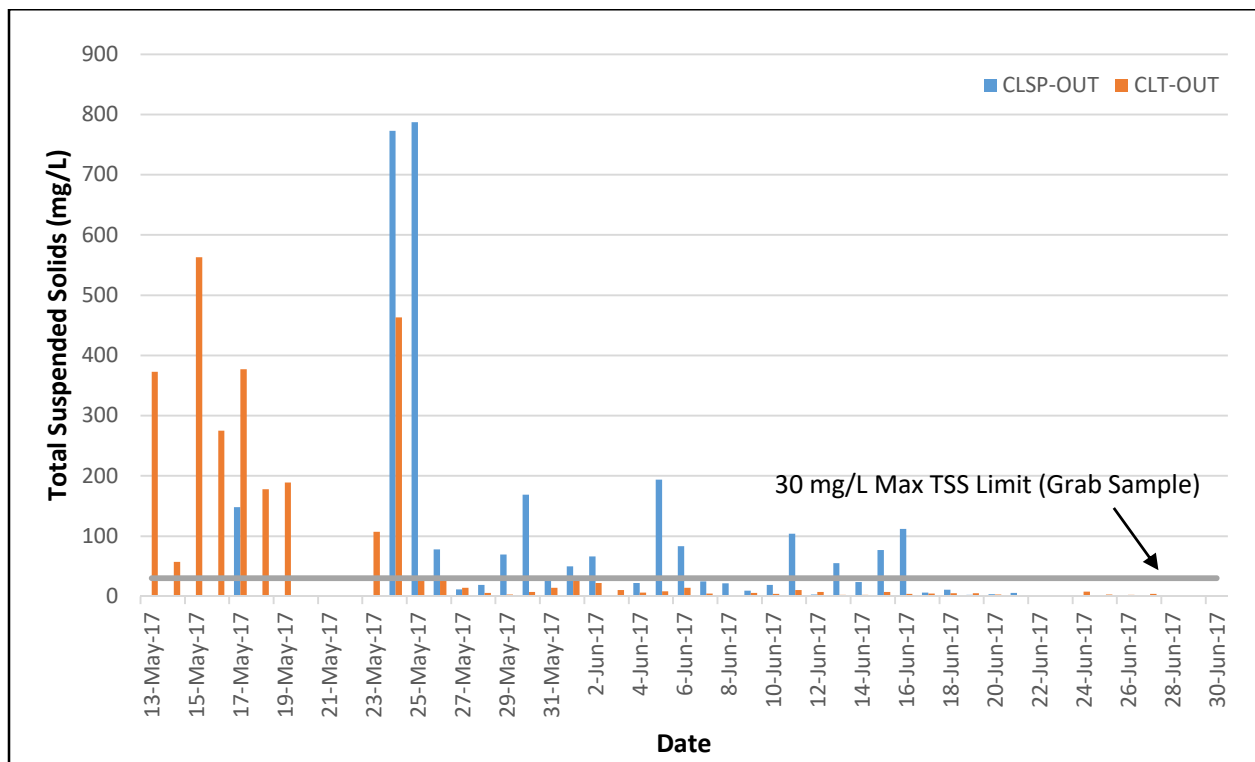


Figure 2 – Total Suspended Solids (TSS) Concentrations for Camp Lake Surface Water Drainage

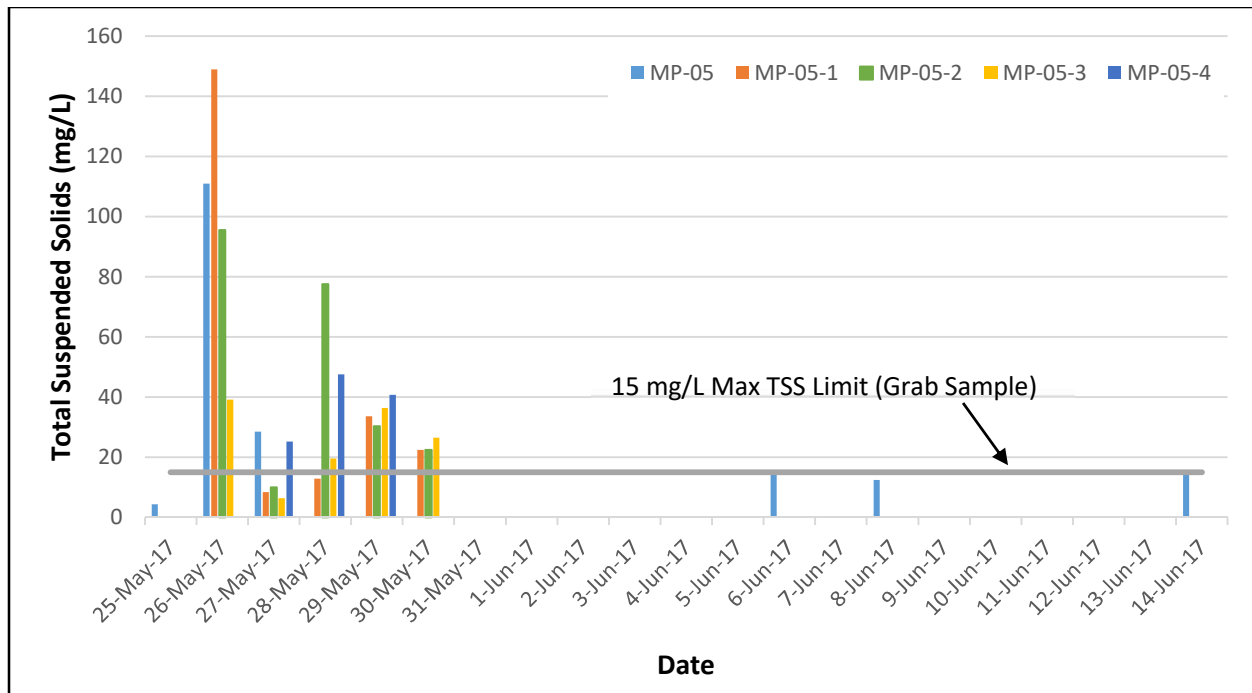


Figure 3 – MP-05 Total Suspended Solids (TSS) Concentrations during Discharge

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

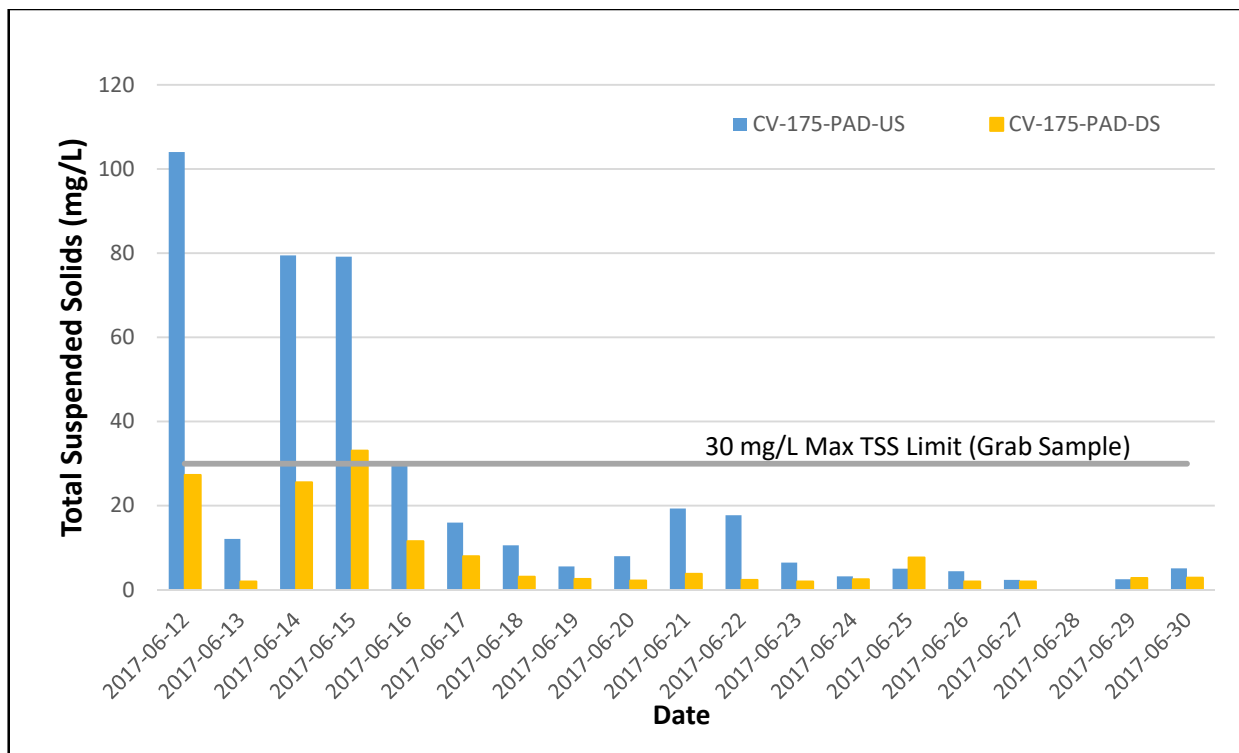


Figure 4 – Total Suspended Solids (TSS) Concentrations Upstream and Downstream of New Milne Port Camp Pad

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

A	REPORT DATE: MONTH - DAY - YEAR 05-14-2017	REPORT TIME 23:30 HRS	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT		REPORT NUMBER 17 - 161
B	OCCURRENCE DATE: MONTH - DAY - YEAR 05-11-2017	OCCURRENCE TIME 18:30 HRS			
C	LAND USE PERMIT NUMBER (IF APPLICABLE) IOL - Commercial Lease No.: Q13C301	WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MRY1325 Type "A"			
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Mary River Project Mine Site, Baffin Island, NU		REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN		
E	LATITUDE DEGREES MINUTES SECONDS		LONGITUDE DEGREES MINUTES SECONDS		
F	RESPONSIBLE PARTY OR VESSEL NAME Baffinland Iron Mines Corp.	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION 2275 Middle Road East, Suite 300, Oakville, ON L6H 0C3			
G	ANY CONTRACTOR INVOLVED N/A	CONTRACTOR ADDRESS OR OFFICE LOCATION N/A			
H	PRODUCT SPILLED sediment / discoloured water	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES Unquantified at present time	U.N. NUMBER N/A		
	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A	U.N. NUMBER N/A		
I	SPILL SOURCE Melting snow	SPILL CAUSE suspected entrained dust	AREA OF CONTAMINATION IN SQUARE METRES N/A		
J	FACTORS AFFECTING SPILL OR RECOVERY Snow covered area, poor access	DESCRIBE ANY ASSISTANCE REQUIRED N/A	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A		
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS 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.				
L	REPORTED TO SPILL LINE BY William Bowden	POSITION Env Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mary River	TELEPHONE ext. 6016
M	ANY ALTERNATE CONTACT Wayne Mcphee	POSITION Dir. Sust Development	EMPLOYER Baffinland	ALTERNATE CONTACT LOCATION 647-253-0596	ALTERNATE TELEPHONE Ext 5088
REPORT LINE USE ONLY					
N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130
LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC			SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN		FILE STATUS ☐ OPEN ☐ 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

TEL: (867) 920-8130

FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH - DAY - YEAR 05-14-2017	REPORT TIME 23:45 HRS	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT		REPORT NUMBER 17-162
B	OCCURRENCE DATE: MONTH - DAY - YEAR 05-13-2017	OCCURRENCE TIME 9:50 HRS			
C	LAND USE PERMIT NUMBER (IF APPLICABLE) IOL - Commercial Lease No.: Q13C301		WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MRY1325 Type "A"		
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Mary River Project Mine Site, Baffin Island, NU		REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN		
E	LATITUDE DEGREES MINUTES SECONDS		LONGITUDE DEGREES MINUTES SECONDS		
F	RESPONSIBLE PARTY OR VESSEL NAME Baffinland Iron Mines Corp.	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION 2275 Middle Road East, Suite 300, Oakville, ON L6H 0C3			
G	ANY CONTRACTOR INVOLVED N/A	CONTRACTOR ADDRESS OR OFFICE LOCATION N/A			
H	PRODUCT SPILLED sediment / discoloured water	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES Unquantified at present time	U.N. NUMBER N/A		
	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A	U.N. NUMBER N/A		
I	SPILL SOURCE Melting snow, tote road	SPILL CAUSE entrained dust/ sediment	AREA OF CONTAMINATION IN SQUARE METRES N/A		
J	FACTORS AFFECTING SPILL OR RECOVERY Snow covered area, poor access	DESCRIBE ANY ASSISTANCE REQUIRED N/A	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A		
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS 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.				
L	REPORTED TO SPILL LINE BY William Bowden	POSITION Env Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mary River	TELEPHONE ext. 6016
M	ANY ALTERNATE CONTACT Wayne Mcphee	POSITION Dir. Sust Development	EMPLOYER Baffinland	ALTERNATE CONTACT 647-253-0596	ALTERNATE TELEPHONE Ext 5088
REPORT LINE USE ONLY					
N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130
LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ UTC			SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN		FILE STATUS ☐ OPEN ☐ 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

TEL: (867) 920-8130

FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH - DAY - YEAR 05-26-2017	REPORT TIME 13:00 HRS	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT		REPORT NUMBER 17 - 178
B	OCCURRENCE DATE: MONTH - DAY - YEAR 05-25-2017	OCCURRENCE TIME 19:00 HRS			
C	LAND USE PERMIT NUMBER (IF APPLICABLE) IOL - Commercial Lease No.: Q13C301	WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MRY1325 Type "A"			
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Mary River Project Milne Port Site, Baffin Island, NU		REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN		
E	LATITUDE DEGREES 71 MINUTES 52 SECONDS 15		LONGITUDE DEGREES 80 MINUTES 53 SECONDS 56		
F	RESPONSIBLE PARTY OR VESSEL NAME Baffinland Iron Mines Corp.	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION 2275 Middle Road East, Suite 300, Oakville, ON L6H 0C3			
G	ANY CONTRACTOR INVOLVED N/A	CONTRACTOR ADDRESS OR OFFICE LOCATION N/A			
H	PRODUCT SPILLED Melt water from surrounding area	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES Unquantified at present time	U.N. NUMBER N/A		
	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A	U.N. NUMBER N/A		
I	SPILL SOURCE Freshet spring snow melt	SPILL CAUSE Flash melt -surrounding area	AREA OF CONTAMINATION IN SQUARE METRES N/A		
J	FACTORS AFFECTING SPILL OR RECOVERY Large volume released to Ocean	DESCRIBE ANY ASSISTANCE REQUIRED N/A	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A		
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS 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.				
L	REPORTED TO SPILL LINE BY Laura Taylor	POSITION Env Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mary River	TELEPHONE ext. 6016
M	ANY ALTERNATE CONTACT Wayne Mcphee	POSITION Dir. Sust Development	EMPLOYER Baffinland	ALTERNATE CONTACT 647-253-0596 LOCATION	ALTERNATE TELEPHONE Ext 5088
REPORT LINE USE ONLY					
N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130
LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ LA ☐ INAC ☐ NEB ☐ TC			SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN		FILE STATUS ☐ OPEN ☐ 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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FAX: (867) 873-6924

EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

A	REPORT DATE: MONTH - DAY - YEAR 06-14-2017	REPORT TIME 18:00 HRS	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT		REPORT NUMBER 17 - 209
B	OCCURRENCE DATE: MONTH - DAY - YEAR Unknown	OCCURRENCE TIME Unknown			
C	LAND USE PERMIT NUMBER (IF APPLICABLE) IOL - Commercial Lease No.: Q13C301	WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MRY1325 Type "A"			
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Mary River Project Tote Road, Baffin Island, NU		REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN		
E	LATITUDE DEGREES - MINUTES - SECONDS -		LONGITUDE DEGREES - MINUTES - SECONDS -		
F	RESPONSIBLE PARTY OR VESSEL NAME Baffinland Iron Mines Corp.	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION 2275 Middle Road East, Suite 300, Oakville, ON L6H 0C3			
G	ANY CONTRACTOR INVOLVED N/A	CONTRACTOR ADDRESS OR OFFICE LOCATION N/A			
H	PRODUCT SPILLED Sediment / discoloured water	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES Unknown	U.N. NUMBER N/A		
	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES N/A	U.N. NUMBER N/A		
I	SPILL SOURCE Freshet melting snowpack	SPILL CAUSE Erosional sediment	AREA OF CONTAMINATION IN SQUARE METRES N/A		
J	FACTORS AFFECTING SPILL OR RECOVERY Poor access	DESCRIBE ANY ASSISTANCE REQUIRED N/A	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A		
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS 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.				
L	REPORTED TO SPILL LINE BY William Bowden	POSITION Env Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM Mary River	TELEPHONE Ext. 6016
M	ANY ALTERNATE CONTACT Wayne McPhee	POSITION Dir. Sust Development	EMPLOYER Baffinland	ALTERNATE CONTACT LOCATION Oakville, ON	ALTERNATE TELEPHONE Ext 5088
REPORT LINE USE ONLY					
N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130
LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC			SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN		FILE STATUS ☐ OPEN ☐ CLOSED
AGENCY	CONTACT NAME		CONTACT TIME	REMARKS	
LEAD AGENCY					
FIRST SUPPORT AGENCY					
SECOND SUPPORT AGENCY					
THIRD SUPPORT AGENCY					



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A	REPORT DATE: MONTH - DAY - YEAR 06-17-2017	REPORT TIME 19:30	☒ ORIGINAL SPILL REPORT, OR ☐ UPDATE # _____ TO THE ORIGINAL SPILL REPORT		REPORT NUMBER 17 - 214
B	OCCURRENCE DATE: MONTH - DAY - YEAR Unknown	OCCURRENCE TIME Unknown			
C	LAND USE PERMIT NUMBER (IF APPLICABLE) IOL - Commercial Lease: Q13C301	WATER LICENCE NUMBER (IF APPLICABLE) 2AM-MRY1325 Type "A"			
D	GEOGRAPHIC PLACE NAME OR DISTANCE AND DIRECTION FROM NAMED LOCATION Mary River Mine Site, Baffin Island, NU		REGION ☐ NWT ☒ NUNAVUT ☐ ADJACENT JURISDICTION OR OCEAN		
E	LATITUDE DEGREES 71 MINUTES 53 SECONDS 18		LONGITUDE DEGREES 80 MINUTES 52 SECONDS 50		
F	RESPONSIBLE PARTY OR VESSEL NAME Baffinland Iron Mines Corp.	RESPONSIBLE PARTY ADDRESS OR OFFICE LOCATION 2275 Middle Road East, Suite 300, Oakville, ON L6H 0C3			
G	ANY CONTRACTOR INVOLVED N/A	CONTRACTOR ADDRESS OR OFFICE LOCATION N/A			
H	PRODUCT SPILLED Sediment	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES Unknown	U.N. NUMBER N/A		
	SECOND PRODUCT SPILLED (IF APPLICABLE) N/A	QUANTITY IN LITRES, KILOGRAMS OR CUBIC METRES Unknown	U.N. NUMBER N/A		
I	SPILL SOURCE Freshet melting snowpack	SPILL CAUSE Erosional sediment	AREA OF CONTAMINATION IN SQUARE METRES		
J	FACTORS AFFECTING SPILL OR RECOVERY Poor Access	DESCRIBE ANY ASSISTANCE REQUIRED N/A	HAZARDS TO PERSONS, PROPERTY OR EQUIPMENT N/A		
K	ADDITIONAL INFORMATION, COMMENTS, ACTIONS PROPOSED OR TAKEN TO CONTAIN, RECOVER OR DISPOSE OF SPILLED PRODUCT AND CONTAMINATED MATERIALS 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.				
L	REPORTED TO SPILL LINE BY William Bowden	POSITION Env. Superintendent	EMPLOYER Baffinland	LOCATION CALLING FROM 647 253 0596	TELEPHONE exr. 6016
M	ANY ALTERNATE CONTACT Wayne Mcphee	POSITION Dir. Sust Development	EMPLOYER Baffinland	ALTERNATE CONTACT off site	ALTERNATE TELEPHONE ext 5088
REPORT LINE USE ONLY					
N	RECEIVED AT SPILL LINE BY	POSITION STATION OPERATOR	EMPLOYER	LOCATION CALLED YELLOWKNIFE, NT	REPORT LINE NUMBER (867) 920-8130
LEAD AGENCY ☐ EC ☐ CCG ☐ GNWT ☐ GN ☐ ILA ☐ INAC ☐ NEB ☐ TC			SIGNIFICANCE ☐ MINOR ☐ MAJOR ☐ UNKNOWN		FILE STATUS ☐ OPEN ☐ CLOSED
AGENCY		CONTACT NAME	CONTACT TIME	REMARKS	
LEAD AGENCY					
FIRST SUPPORT AGENCY					
SECOND SUPPORT AGENCY					
THIRD SUPPORT AGENCY					



Canada

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EMAIL: spills@gov.nt.ca

REPORT LINE USE ONLY

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

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 be "S. Proulx", written over a circular stamp.

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

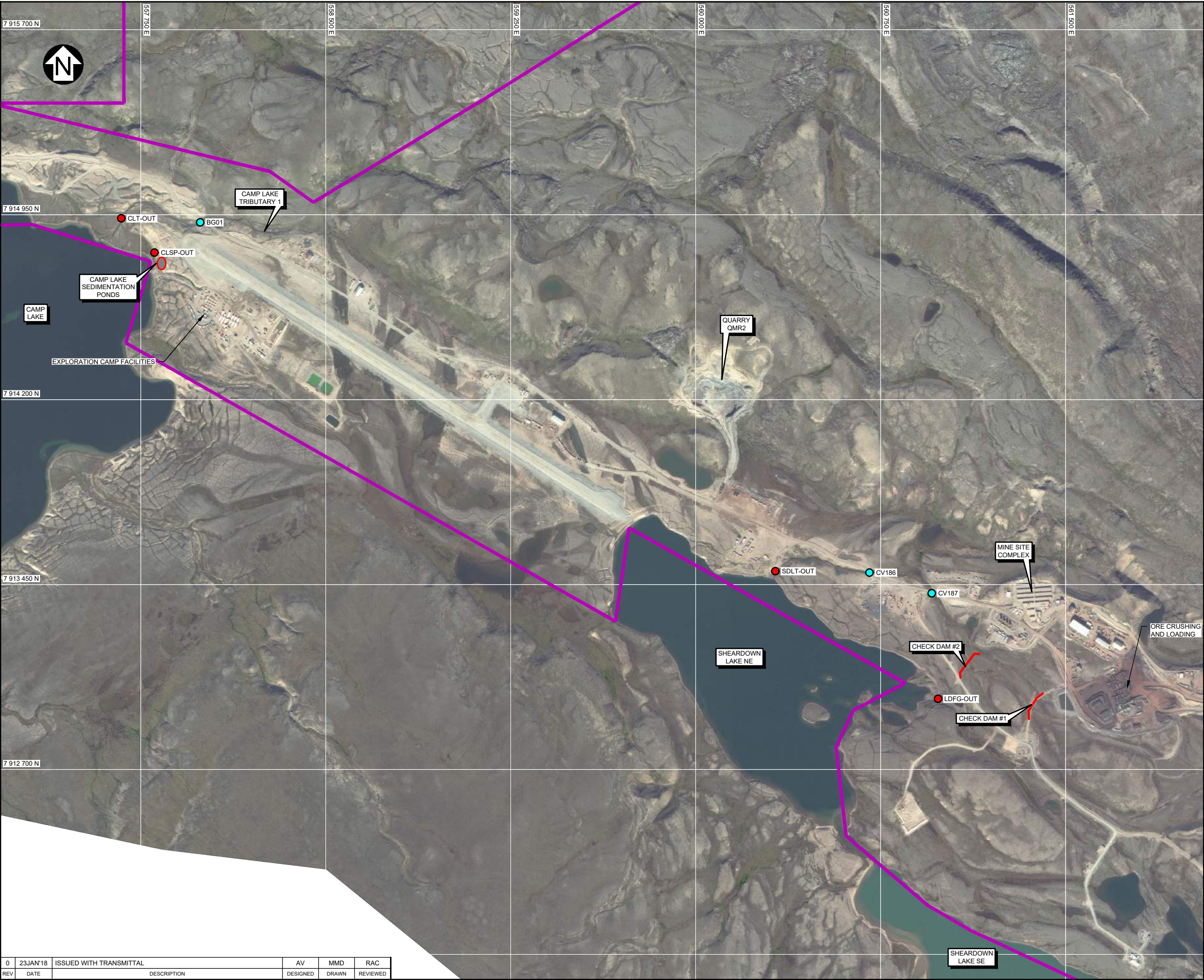
APPENDIX B.1

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

SAVED: I:\10200181\41\Acad\FIGS\B15_0_11232018 2:10:06 PM . MDEMERS PRINTED: 1/23/2018 2:11:35 PM, Layout1, MDEMERS
FILED: IMAGE FILED: I:\10200181\41\Acad\FIGS\B15_0_11232018 2:10:06 PM . MDEMERS PRINTED: 1/23/2018 2:11:35 PM, Layout1, MDEMERS



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 150 75 0 250 500 750 m

BAFFINLAND IRON MINES CORPORATION

MARY RIVER PROJECT

MINE SITE INFRASTRUCTURE AND
FRESHET MONITORING LOCATIONS

Knight Piésold
CONSULTING

P/A NO. NB102-181/41
REF NO. NB18-00056

FIGURE 1

REV 0

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

SAVED: I:\10200\814\1A\Acad\FIGS\B14_0_1\23/2018 2:16:45 PM - MDEMERS PRINTED: 1/23/2018 2:17:25 PM, Layout1, MDEMERS
FILED: C:\TOPO\DATA\MILNE PORT SITE 2017\IMAGEFILES\mmp_180715_022_wgs_202016_0001



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.

SCALE A

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
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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 CaCO ₃)	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 (SO ₄)	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)