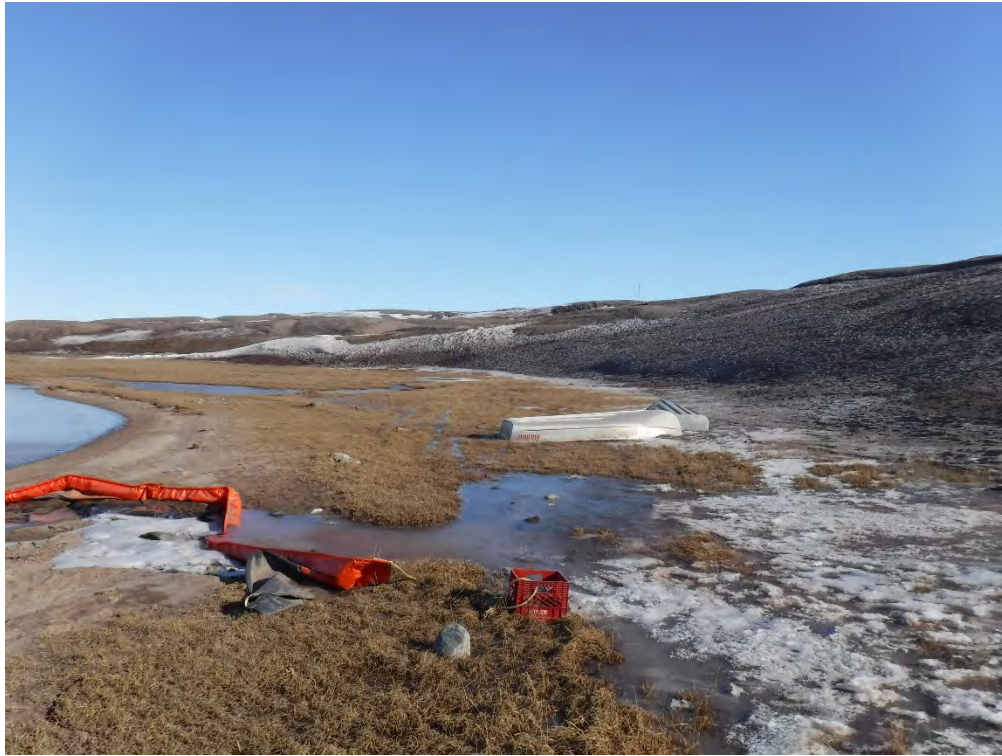


APPENDIX E.10
2018 FRESHET MONITORING REPORT
(PART 2 OF 2)

**APPENDIX C – SEQUENCE OF EVENTS AND ACTIONS TAKEN BY
SPILL REPORT (INCLUDING PHOTOS)**

**APPENDIX C.1 – Spill Report 18-180 – Camp Lake Settling
Ponds**



May 17, 2018: Downstream View of CLSP-OUT



May 18, 2018: Downstream View of Frozen Conditions at CLSP-OUT



May 28, 2018: Downstream View of Frozen Conditions at CLSP-OUT



May 28, 2018: Downstream view of CLSP-OUT



June 23, 2018: Downstream view of CLSP-OUT



May 20, 2018: Camp Lake Settling Ponds Before Construction Upgrades



May 21, 2018: Berm Expansion of Camp Lake Settling Ponds During Construction Upgrades



May 22, 2018: Camp Lake Settling Ponds After Construction Upgrades



May 20, 2018: Check Dams in Camp Lake Settling Pond Drainage Channel Before Construction Upgrades

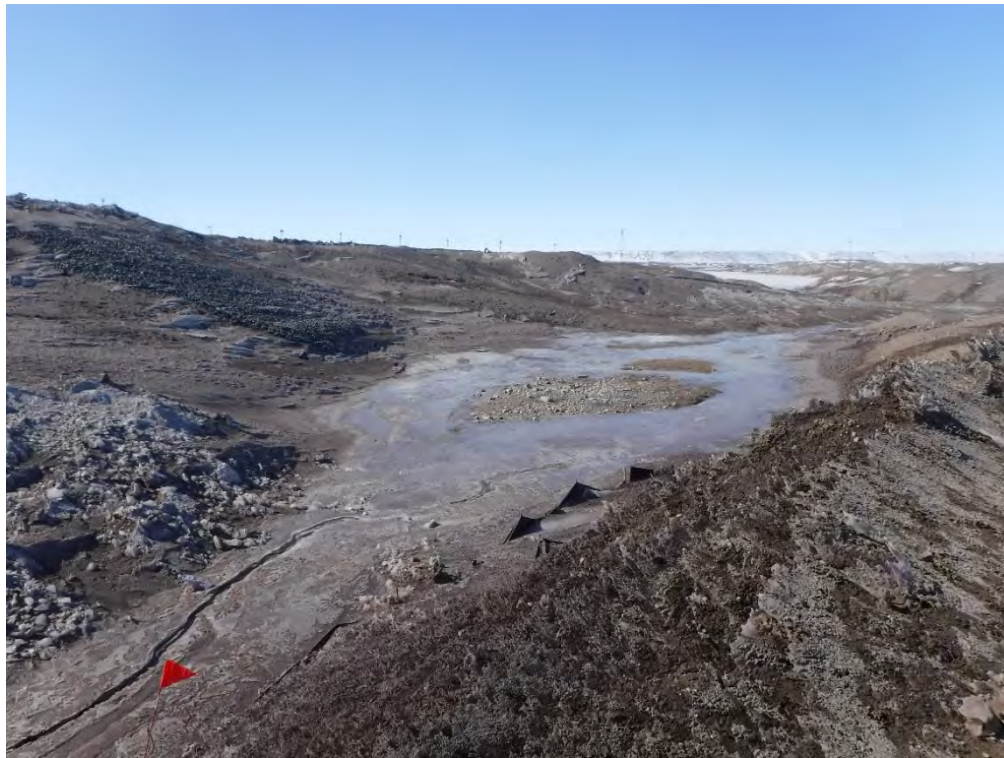


May 22, 2018: Check Dams in Camp Lake Settling Pond Drainage Channel After Construction Upgrades



May 22, 2018: Typical Check Dam Cross Section After Construction

**APPENDIX C.2 – Spill Report 18-182 – Sheardown Lake and
Camp Lake Tributaries**



May 13, 2018: BG-01-DS Road Crossing Upstream of CLT-OUT Before Snow Removal



May 13, 2018: BG-01-DS Road Crossing Upstream of CLT-OUT During Snow Removal



May 13, 2018: BG-01-DS Road Crossing Upstream of CLT-OUT After Snow Removal



May 13, 2018: BG-01-US Road Crossing Upstream of CLT-OUT After Snow Removal



May 17, 2018: Downstream View of CLT-OUT



May 18, 2018: Downstream View of CLT-OUT



June 25, 2018: Downstream View of CLT-OUT



August 7, 2018: Silt Curtain Installation at CLT-OUT



May 8, 2018: CV-186-DS Road Crossing Upstream of SDLT-OUT Before Snow Removal



May 9, 2018: CV-186-DS Road Crossing Upstream of SDLT-OUT During Snow Removal



May 9, 2018: CV-186-DS Road Crossing Upstream of SDLT-OUT After Snow Removal



May 9, 2018: CV-186-US Road Crossing Upstream of SDLT-OUT After Snow Removal



May 17, 2018: Downstream View of SDLT-OUT



May 19, 2018: Downstream View of SDLT-OUT



May 20, 2018: Downstream View of SDLT-OUT



May 22, 2018: Downstream View of SDLT-OUT



June 2, 2018: Silt Fence Installation at Road Crossing Upstream of SDLT-OUT



June 24, 2018: Downstream View of SDLT-OUT

APPENDIX C.3 – Spill Report 18-209 – Tote Road Crossing BG27



May 30, 2018: Viewing Downstream BG27 Entering Waterbody



May 30, 2018: Upstream View of BG27 Looking Downstream



June 6, 2018: Upstream View of BG27 Looking Downstream After Silt Fence Installation



June 6, 2018: Bank Armoring with Riprap Downstream of Crossing



June 6, 2018: Bank Armoring with Riprap Downstream of Crossing



June 6, 2018: Silt Fence Installation Upstream of Crossing

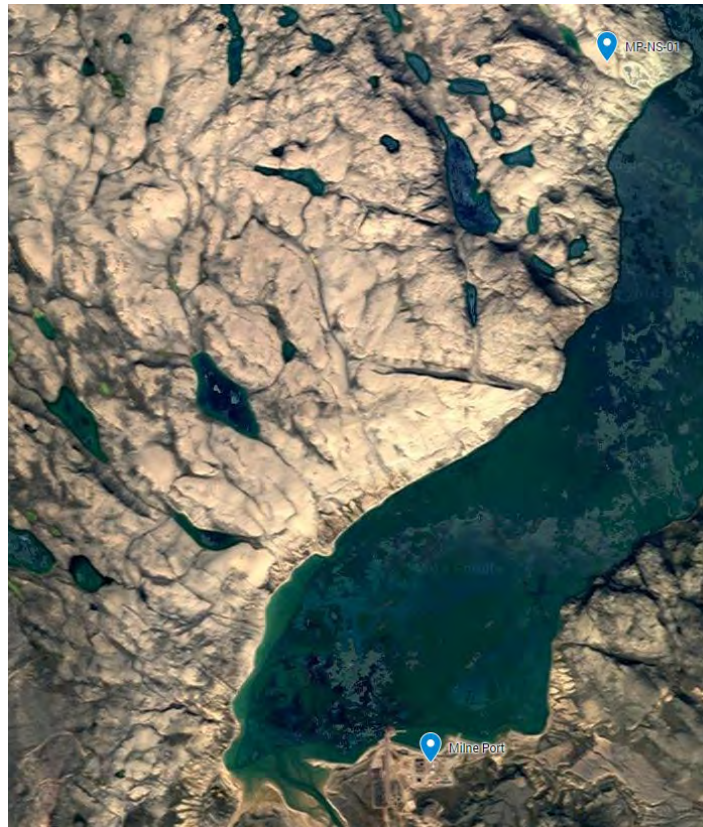


June 7, 2018: Water flowing clear following mitigation measure in place



June 7, 2018: Water flowing clear following mitigation measure in place

APPENDIX C.4 – Natural Sedimentation Events



June 23, 2018: Map Illustrating Location of Sedimentation Event



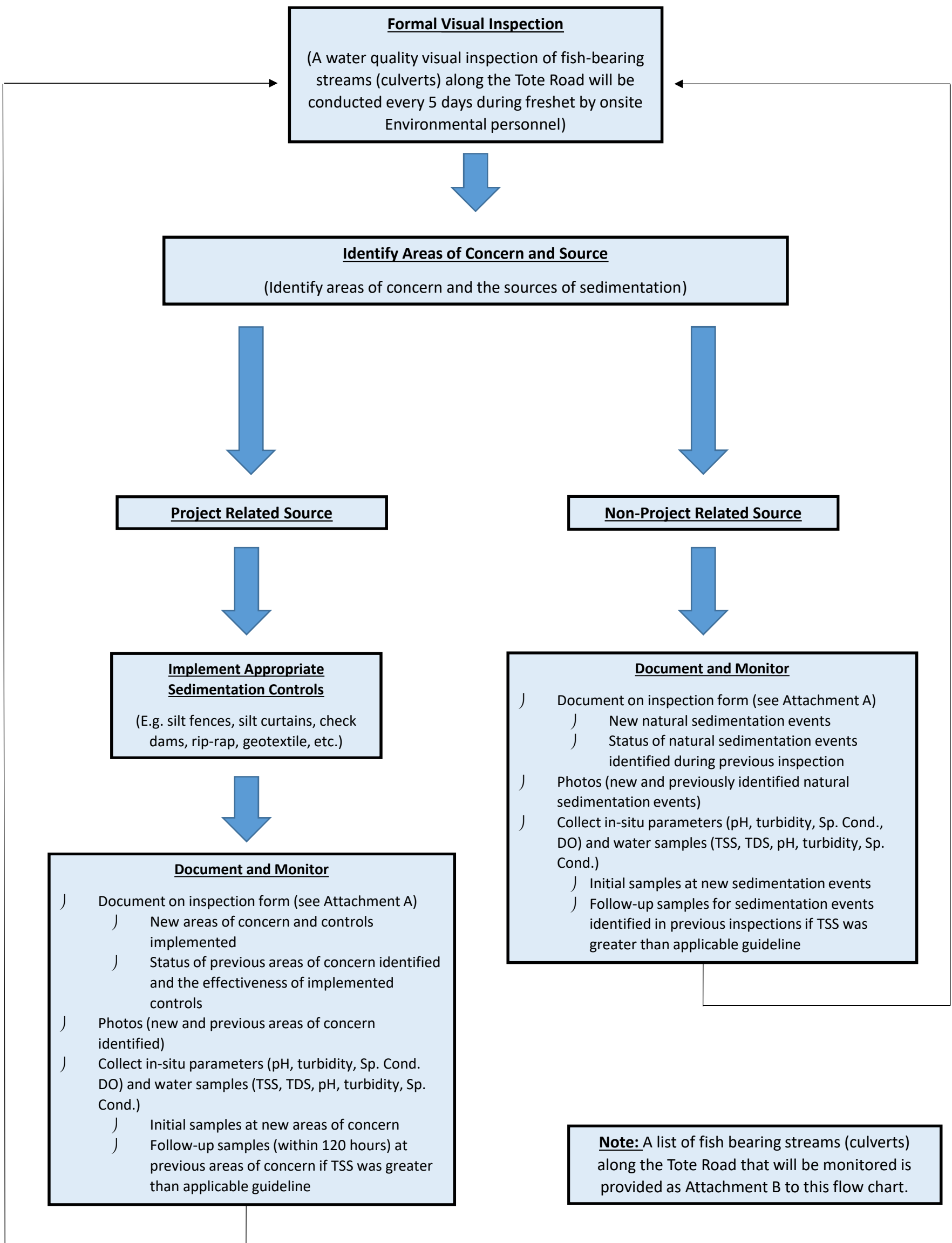
June 23, 2018: Downstream View of MP-NS-01



June 23, 2018: Cross-Section View of MP-NS-01

APPENDIX D – Tote Road Freshet Monitoring Program

Tote Road Freshet Monitoring 2018 (start of flow to mid-June)





Attachment A - Tote Road Freshet Monitoring Inspection Form

Tote Road Fisheries Culvert Monitoring					
Culvert ID:		Date:		Time:	
Sample ID:				Photos:	
Samplers:		Camera ID:		Weather:	
YSI Model:		Calibration:		Cross Section:	
				Downstream:	
Visual Observations					
Water Level (Dry, Stagnant, Low, Moderate, High):					
Water Clarity (Turbid, Clear, Sheen):					
Debris in Water (Y/N):					
Upstream Observations:					
Downstream Observations:					
Sampling Inconsistencies or Concerns:					
Substrate Composition (%)					
Boulders (>256 mm)		Cobble (64-256 mm)		Gravel (2-64 mm)	
				Sand/Silt/Clay (<2 mm)	
Field Parameters					
Time (24-hr)		Temp. (° C)		pH	
				Cond. (µs/cm)	
				Turbidity (NTU)	
				DO (%)	
QA/QC Samples (Y o N):				Proximity to Culvert	
Field Dup. (01)		Field Blank (02)		Travel Blank (03)	
				Equip. Blank (04)	
				Upstream or Downstream of Culvert?	
				Distance from Culvert Inlet/Outlet?	
Flow Measurements					
Bankfull Width (m):		Wetted Width (m):		Depth:	
				Velocity:	
Notes:					



Attachment B - Fish-Bearing Streams (Culverts) Along the Tote Road

Culvert ID	Culvert ID
CV176	BG30
CV169	BG29
CV167	BG27
CV129	BG24
CV128	BG17
CV114	BG04
CV112	CV001
CV111	CV223
CV106	CV224
CV104	CV225
CV102	BG01
CV099	CV186
CV087	CV187
CV080	
CV079	
CV078	
CV076	
CV072	
CV071	
CV060	
CV059	
CV058	
CV057	
BG50	
CV049	
CV030	
BG32	
CV217	
CV216	

Note: Additional monitoring locations will be established as required.