

Figure 8.3-1:	Generic Approach to Scoping for Cumulative Effects Assessment Adapted from the Technical Guidance for Assessing Cumulative Environmental Effects under the <i>Canadian Environmental Assessment Act</i> , 2012	8-4
Figure 8.5-1:	Cumulative Effects Assessment: Noise.....	8-36
Figure 8.5-2:	Cumulative Effects Assessment: Air.....	8-46
Figure 8.5-3:	Cumulative Effects Assessment: Light.....	8-54
Figure 8.5-4:	Cumulative Effects Assessment: Surface Water Quality and Quantity and Fish and Fish Habitat ...	8-67
Figure 8.5-5:	Cumulative Effects Assessment: Species of Conservation Interest and Species at Risk.....	8-91
Figure 8.5-6A:	Cumulative Effects Assessment: Mi'kmaq of Nova Scotia	8-108
Figure 8.5-6B:	Cumulative Effects Assessment: Mi'kmaq of Nova Scotia	8-109
Figure 8.5-6C:	Cumulative Effects Assessment: Access to Crown Land within the Mi'kmaq Regional Assessment Area Eastern	8-110
Figure 8.5-6D:	Cumulative Effects Assessment: Access to Crown Land within the Mi'kmaq Regional Assessment Area Central.....	8-111
Figure 8.5-6E:	Cumulative Effects Assessment: Access to Crown Land within the Mi'kmaq Regional Assessment Area Western	8-112
Figure 8.5-7:	Percent Regional Industrial Development in Regional Assessment Area.....	8-117

List of Appendices

Appendix A.1	Plain Language Summary Beaver Dam Mine Project
Appendix A.2a	Mine Waste Stockpile Geotechnical Design - April 1, 2021
Appendix A.2b	Beaver DAM Project – Conceptual PAG Closure Options - December 1, 2021
Appendix A.2c	Geotechnical Investigation: Data Report - Beaver Dam Mine, January 15, 2021
Appendix A.3	Terms of Reference for the Community Liaison Committee (CLC)
Appendix A.4a	Summary of Public and Stakeholder Engagement as Completed for the Project as of 2021
Appendix A.4b	NSSA letter March 21, 2021, notes from Sept 9 meeting and presentation
Appendix A.4c	Community Bulletins
Appendix A.5	Summary of Mi'kmaq and Indigenous Peoples Engagement as Completed for the Project as of 2021
Appendix A.6	draft Public Engagement Plan – May 2021
Appendix B.1	Beaver Dam Mine Construction Noise Assessment Atlantic Mining NS Inc., Beaver Dam Mine Project, Nova Scotia - January 25, 2021
Appendix B.2	Noise Impact Assessment Technical Report – October 12, 2021
Appendix C.1	Air Emissions Assessment Technical report, February 16, 2021

Appendix C.2	Evaluation of Potential Human Exposures and Risks related to Emissions from the Beaver Dam Mine Project (Dust deposition; Recreational water usage; and country foods) - April 22, 2020
Appendix C.3	Draft Fugitive Dust Control Plan – May 2021
Appendix D.1	Light Impact Assessment Beaver Dam Mine Project, January 28, 2021
Appendix E.1	Sediment Baseline Analytical Results
Appendix E.2	Beaver Dam Project - ML/ARD Assessment Report - December 20, 2018
Appendix E.3	Beaver Dam Project - Geochemical Source Term Update – January 20, 2021
Appendix E.4	DRAFT Beaver Dam Project: 2020 Kinetic Test Update (IR NSE 2-74) – June 11, 2020
Appendix E.5	DRAFT Beaver Dam Mine ML/ARD Management Plan – August 8, 2019
Appendix E.6	Phase I - Environmental Site Assessment (Beaver Dam), - August 6, 2019
Appendix E.7	Limited Phase II - Environmental Site Assessment (Beaver Dam Property) - August 23, 2019
Appendix E.8	Final (Revised) – Extended Phase II Environmental Site Assessment Beaver Dam Project Property - March 8, 2021
Appendix E.9	Draft Historic Tailings and Waste Rock Management Plan - May 2021
Appendix E.10	Nitrogen Source Control Monitoring Plan for Touquoy Mine - March 14, 2021
Appendix F.1	Assessment of Potential Open Pit Groundwater Inflows Beaver Dam Gold Project Nova Scotia - April 2015
Appendix F.2	Hydrogeologic Investigation - Beaver Dam Mine - July 30, 1986
Appendix F.3	Field Activities Report Beaver Dam Mine Project - November 8, 2018
Appendix F.4	Baseline Groundwater Program, Beaver Dam - March 20, 2021
Appendix F.5	Hydrogeologic Modelling Report - April 2021
Appendix F.6	Groundwater Flow and Solute Transport Modelling to Evaluate Disposal of Beaver Dam Tailings in Touquoy Open Pit - Beaver Dam Gold Project - April 12, 2021
Appendix F.7	Touquoy Integrated Water and Tailings Management Plan - Beaver Dam Gold Project - April 15, 2021
Appendix F.8	Beaver Dam Gold Project Assimilative Capacity Study of Moose River – Touquoy Pit Discharge - April 12, 2021
Appendix F.9	Response to Information Request Nos. CEAA 2-36, CEAA 2-37, and NSE 2-130 Evaluation of Potential Impacts from Metals COCs to Groundwater and Surface Water from Dust Deposition along the Haul Road Beaver Dam Mine Project Marinette, Nova Scotia - April 14, 2021
Appendix F.10	Simulating the Cumulative Effects of Deposition of Tailings to the Touquoy Pit – April 8, 2021
Appendix G.1	Surface Water Baseline Analytical Results
Appendix G.2	Beaver Dam Mine: Killag River and Moose River Water Quality Predictions and Aquatic Effects Assessment – Reassessment of Killag River based on February 2021 Update (GHD modelling)

	Provided February 12, 2021); Reassessment of Moose River based on March 2021 Update (Stantec modelling of March 11, 2021) – October 13, 2021
Appendix G.3	Additional Water Quality Modelling Mine Water Management Plan, Beaver Dam Gold Mine - February 12, 2021
Appendix G.4	Physical Characterization of Watercourses – May 2021
Appendix G.5a	Assessment of Water Quality Downstream of Tailings Management Facility, Touquoy Gold Project – November 25, 2015
Appendix G.5b	Water Balance Report Revision 2.0, Atlantic Gold Tailings Management Facility - November 25, 2016
Appendix H.1	Wetland Functional Assessment Summary Table
Appendix H.2	Wetland Characterization Table
Appendix H.3	Preliminary Wetland Compensation Plan – April 2021
Appendix I.1	ACCDC Report Beaver Dam Mine Site and Haul Road (DATA REPORT 6749: Marinette, NS) - January 4, 2021
Appendix I.2	ACCDC Report Touquoy Mine Site (Data Report 5433: Moose River Mines, NS), September 10, 2015
Appendix I.3	Environmental Screening Beaver Dam Mine Site - Nova Scotia Communities, Culture, & Heritage - April 21, 2015
Appendix I.4	Maritimes Butterfly Atlas Results – Beaver Dam Mine Project
Appendix J.1	Photographic Log of Watercourses and Fish Habitat – December 14, 2018
Appendix J.2	Fish and Fish Habitat Baseline Report – January 2021
Appendix J.3	draft Fish Habitat Offset Plan – May 2021
Appendix J.4	Detailed Figures (as referenced in Fish and Fish Habitat EA [Section 6.9]) – May 2021
Appendix K.1	Master Species List - March 22, 2021
Appendix L.1	Maritime Breeding Bird (MBBA) Atlas Data Summaries - November 20, 2020
Appendix L.2	Relative Abundance of Avian Species – March 2021
Appendix M.1	Mi'kmaq Ecological Knowledge Study (MEKS) - 2016
Appendix M.2	Visual Simulations – November 2020 and May 2021
Appendix N.1	Beaver Dam Development Archaeological Screening & Reconnaissance Halifax Regional Municipality, Nova Scotia - March 2009
Appendix N.2	Beaver Dam Gold Project Archaeological Assessment Halifax Regional Municipality, Nova Scotia - March 2015
Appendix N.3	Beaver Dam Gold - WRSP West Archaeological Screening & Reconnaissance 2018 Beaver Dam, Nova Scotia -January 2019
Appendix N.4	Beaver Dam Gold Project - Haul Road Archaeological Reconnaissance Halifax Regional Municipality, Nova Scotia -March 2016

Appendix N.5	Beaver Dam Gold Project - Haul Road Option 2 Archaeological Reconnaissance Halifax Regional Municipality, Nova Scotia -March 2017
Appendix N.6	Beaver Dam Gold - Archaeological Screening & Reconnaissance 2019 Beaver Dam, Nova Scotia - August 2020
Appendix N.7	Beaver Dam Archaeological Shovel Testing 2020 Halifax County, Nova Scotia - February 2021
Appendix O.1	KPMG Atlantic Gold Corporation Economic Impact Assessment of the Beaver Dam Mining Project – November 2020
Appendix O.2	KPMG MRC Economic Impact Assessment – February 2020
Appendix P	Management Plans and Monitoring Programs – May 2021: <ul style="list-style-type: none">Appendix P.1 draft Emergency Response Plan<ul style="list-style-type: none">• Appendix G draft Spill Contingency PlanAppendix P.2 draft Reclamation and Closure PlanAppendix P.3 draft Nitrogen Management PlanAppendix P.4 Mine Water Management Plan:<ul style="list-style-type: none">• Appendix A Water Balance Analysis• Appendix B Stormwater Management Assessment – Hydrologic Modelling• Appendix C Erosion and Sediment Control Plan• Appendix D Predictive Water Quality Assessment• Appendix E Hydrogeological Modelling Report• Appendix F Water Treatment Assessments• Appendix F.1 Construction Phases• Appendix F.2 Operation Phase• Appendix F.3 Post-closure Phase• Appendix G Proposed Groundwater Monitoring Plan• Appendix H Baseflow Mitigation AssessmentAppendix P.5 draft Aquatic Effects Monitoring ProgramAppendix P.6 Preliminary Lichen Mitigation and Monitoring PlanAppendix P.7 draft Wildlife Mitigation and Monitoring Plan<ul style="list-style-type: none">• Appendix A Landbird SAR Mitigation and Monitoring Plan