



Appendix K

List of Great Bear Lake Sites Studies and Reports



Great Bear Lake Sites - 2017 List of Reports and Studies

YEAR	REPORT NAME	AUTHOR
Completion Reports		
2003	Hazardous materials removal from the Terra, Northrim, Smallwood and Norex Mine sites, Environmental Services, Real Property Services PWGSC	PWGSC
2011	2010 Completion Report for Great Bear Lake Sites - Phase I Remediation, prepared by SENES Consultants Ltd., March 2011	SENES Consultants Ltd.
2012	2011 Completion Report - Draft for Great Bear Lake Sites - Phase I Remediation, prepared by SENES Consultants Ltd., March 2012	SENES Consultants Ltd.
2014	Great Bear Lake (GBL) Sites Water Licence S09L8-001 Report 2014/15, prepared by INAC	INAC
2014	Sawmill Bay Drum Removal Program, Prepared by SENES Consultants Ltd. Final Report. December 2014	SENES Consultants Ltd.
2016	Great Bear Lake (GBL) Sites Water Licence S15L8-001 Report 2015/16, prepared by INAC	INAC
2017	Great Bear Lake (GBL) Sites Water Licence S15L8-001 Report 2016/17, prepared by INAC	INAC
Remediation Design, Remedial Action Plans, Site Specific Criteria		
2008	FINAL REPORT, DEVELOPMENT OF CLEANUP CRITERIA FOR PETROLEUM HYDROCARBONS FOR SILVER BEAR, CONTACT LAKE AND EL BONANZA AND SAWMILL BAY SITES, prepared by SENES Consultants Ltd., 2008	SENES Consultants Ltd.
2008	EL BONANZA MINE REMEDIAL ACTION PLAN (INAC and Senes, March 2008)	SENES Consultants Ltd.
2008	FINAL Remediation Action Plan - Silver Bear Mines, NT, prepared by SENES Consultants Ltd., 2007	SENES Consultants Ltd.
2008	Contact Lake Mine Remedial Action Plan (INAC and Senes, January 2008)	SENES Consultants Ltd.
2010	FINAL, SAWMILL BAY-NM180, NORTHWEST TERRITORIES REMEDIAL ACTION PLAN, prepared by INAC and Franz, 2010	FRANZ Environmental Inc. and Ecometrix Incorporated
2011	Bright, D.A. (October 2011). Silver Bear Mine Complex, Terra Mine, Ho-Hum Lake Treatment Wetland and Implication of Recent Graduate Thesis Research, Letter report to Warren Bebeau, P.Eng, AECOM by Hemmera Envirochem Inc.	Doug Bright
2013	Remediation Design Report Great Bear Lake Sites, Public Works and Government Services Canada - prepared by AECOM (CM/MB)	AECOM
2014	Final Report: Site Specific Target Level for Arsenic in Surface Waters Associated with the Terra Mine Wetland, prepared by SENES Consultants, March 2014	SENES Consultants Ltd.
2015	Mass Balance and Flux Estimates for Arsenic Environmental Loading to Ho Hum Lake and the Camsell River from the Silver Bear Terra Minesite, Northwest Territories, Canada, prepared by Hemmera Envirochem Inc. DRAFT, 2015	Hemmera Envirochem Inc
Water Quality Monitoring		
2005	Silver Bear Mine Sites, Northwest Territories Water Quality Monitoring Program. Final Report 2002 to 2004. Prepared by Laurie McEachern, Water Resources Division, AANDC.	AANDC Water Resources Division
2006	Summary Report Update: 2005 Monitoring Data for Contact Lake Mine. Water Resources Division	AANDC Water Resources Division
2006	Silver Bear Mine Sites, Northwest Territories, Hydrologic Monitoring Program, prepared by Indian and Northern Affairs Canada, 2004 and 2005, FINAL	AANDC Water Resources Division
2006	Silver Bear Mine Sites, Northwest Territories, Water Quality Monitoring Program, prepared by Indian and Northern Affairs Canada, 2005, FINAL	AANDC Water Resources Division
2007	Silver Bear Mine Sites, Northwest Territories, Hydrologic Monitoring Program, prepared by Indian and Northern Affairs Canada, 2006, FINAL	AANDC Water Resources Division

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2007	Silver Bear Mine Sites, Northwest Territories, Water Quality Monitoring Program, prepared by Indian and Northern Affairs Canada, 2006, FINAL	AANDC Water Resources Division
2008	Silver Bear Mine Sites, Northwest Territories, Hydrologic Monitoring Program, prepared by Indian and Northern Affairs Canada, 2007, FINAL	AANDC Water Resources Division
2008	Silver Bear Mine Sites, Northwest Territories, Water Quality Monitoring Program, prepared by Indian and Northern Affairs Canada, 2007, FINAL	AANDC Water Resources Division
2009	Silver Bear Mine Sites, Northwest Territories, Water Quality Monitoring Program, prepared by Indian and Northern Affairs Canada, 2008, FINAL	AANDC Water Resources Division
2009	Silver Bear Mine Sites, Northwest Territories, Hydrologic Monitoring Program, prepared by Indian and Northern Affairs Canada, 2008, FINAL	AANDC Water Resources Division
2010	Silver Bear Mine Sites, Northwest Territories, Hydrologic Monitoring Program, prepared by Indian and Northern Affairs Canada, 2009, FINAL	AANDC Water Resources Division
2010	Silver Bear Mine Sites, Northwest Territories, Hydrologic Monitoring Program, prepared by Indian and Northern Affairs Canada, 2010, FINAL	AANDC Water Resources Division
2010	Great Bear Lake Sites 2009 Baseline Monitoring Program.	SENES Consultants Ltd.
2011	Silver Bear Mine Sites, Northwest Territories, Water Quality Monitoring Program, prepared by Indian and Northern Affairs Canada, 2009, FINAL	AANDC Water Resources Division
2013	Silver Bear Mine Sites, Northwest Territories, Water Quality Monitoring Program, prepared by Indian and Northern Affairs Canada, 2013, FINAL	AANDC Water Resources Division
2016	2015 Water Quality Monitoring of Terra Mine, prepared by ARCADIS	Arcadis
Assessments, Risk Assessments		
1992	Environmental Assessment and Reclamation Options for Abandoned Mines in the Northwest Territories (Mine Sites in the Camsell River Area) (EBA, April 1992)	EBA Engineering Consultants Ltd.
1993	Site Characterization and Environmental Assessment of Seven Abandoned Mine Sites in the Northwest Territories, Volume 1 - Environmental Assessment Summary Report (EBA, March 1993)	EBA Engineering Consultants Ltd.
1993	Environmental Assessment of the Abandoned Contact Lake Mine Site. Prepared for Public Works Canada, Architecture and Engineering Services Architecture and Engineering Services Branch	EBA Engineering Consultants Ltd.
1993	Review and Summary of Assessment and Remediation Options for 18 Abandoned Mine Sites, NWT, Volume 1 (Thurber 1993)	Thurber Environmental Consultants Ltd.
1993	Review and Summary of Assessment and Remediation Options for 18 Abandoned Mine Sites, NWT, Volume 2 (Thurber 1993)	Thurber Environmental Consultants Ltd.
1993	Individual Assessment Reports, Volume II (EBA, March 1993)	EBA Engineering Consultants Ltd.
1993	Review and Summary of Assessment of Remediation Options for 18 Abandoned Mine Sites, NWT. Volume II Report prepared for Public Works Canada, Architectural and Engineering Services Branch Environmental Services.	Thurber Environmental Consultants Ltd.
1997	Low-Level Radioactive Waste Management Office (LLRWMO), AECL. 1998. Sawmill Bay 1997 Waste Removal Project.	LLRWMO
1997	1996 AES Abandoned Mine Assessments Volume II	Vista Engineering
2003	FINAL REPORT ON HUMAN HEALTH SCREENING LEVEL RISK ASSESSMENT FOR SILVER BEAR MINE SITES, prepared by SENES Consultants Ltd., November 2003	SENES Consultants Ltd.

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2005	Contaminated Overburden Survey, Silver Bear Mines, prepared by Rescan Environmental Service Ltd., March 2005	RescanTM Environmental Services Ltd.
2005	Demolition Assessment, Silver Bear Mines, prepared by Rescan Environmental Services Ltd., March 2005	RescanTM Environmental Services Ltd.
2005	Hazardous Materials Survey, Silver Bear Mines, prepared by Rescan Environmental Service Ltd., March 2005	RescanTM Environmental Services Ltd.
2005	Aquatic Pre-Remediation Studies 2004, Silver Bear Mines, prepared by Rescan Environmental Services Ltd., March 2005	RescanTM Environmental Services Ltd.
2005	Terrestrial Wildlife Assessment, Silver Bear Mines, prepared by Rescan Environmental Service Ltd., March 2005	RescanTM Environmental Services Ltd.
2005	Vegetation Assessment, Silver Bear Mines, prepared by Rescan Environmental Services Ltd., March 2005	RescanTM Environmental Services Ltd.
2005	Enhanced Phase I Environmental Site Assessment (El Bonanza Mine).	Golder Associates Ltd.
2005	LIQUID WASTE SAMPLING AND PRODUCT INVENTORY PROGRAM, FORMER TERRA MINE GREAT BEAR LAKE REGION NWT, prepared by Golder Associates, March 2005	Golder Associates Ltd.
2005	Preliminary Geotechnical Assessment	RescanTM Environmental Services Ltd.
2005	Silver Bear Mines Geochemistry Assessment	RescanTM Environmental Services Ltd.
2006	SITE-SPECIFIC HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT FOR THE FORMER SILVER BEAR MINES, NORTHWEST TERRITORIES	Golder Associates Ltd.
2006	Geotechnical Evaluation for Remediation of Silver Bear Mines, prepared by EBA Engineering Consultants Ltd. , February 2006	EBA Engineering Consultants Ltd.
2006	Field Report on a Reconnaissance Survey of Birds nesting in abandoned structures and waste sites at the Silver Bear Mines, NWT, October 2006, prepared by AED Consulting	AED Consulting
2006	Phase I, II, and III Investigations of the Historic Northern Uranium Transportation Network in the Northwest Territories and Northern Alberta. Prepared for Department of Indian Affairs and Northern Development Processing Facilities.	SRK Consulting (Canada) Inc
2006	OVERBURDEN ASSESSMENT, SILVER BEAR MINES, NWT, prepared by EBA Engineering Consultants Ltd, 2006	EBA Engineering Consultants Ltd.
2006	Silver Bear Mines Geochemical Assessment, prepared by Lorax Environmental Services Ltd., 2006	Lorax Environmental Services Ltd.
2006	DRUM SAMPLING AND PRODUCT INVENTORY PROGRAM, SILVER BEAR MINES, prepared by Golder Associates, March 2006	Golder Associates Ltd.
2006	Metal Concentrations in Plants and Sediment in Ho Hum Lake and Associated Wetland at the Silver Bear Mine in NWT, August 2006, Preliminary Report, prepared by Northern Environmental Consulting	Northern Environmental Consulting
2006	CONTACT LAKE MINE SITE ASSESSMENT Report on July 2006 Field Activities and Follow-Up Site Assessment (Senes, November 2006)	SENES Consultants Ltd.
2007	HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT FOR CONTACT LAKE MINE SITE (Senes, May 2007)	SENES Consultants Ltd.
2007	HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT FOR EL BONANZA MINE (Senes, May 2007)	SENES Consultants Ltd.
2007	CONTACT LAKE MINE SITE ASSESSMENT Report on July 2006 Field Activities and Follow-Up Site Assessment (Senes, May 2007) [Detailed version of 2006 report]	SENES Consultants Ltd.

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2007	HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT FOR CONTACT LAKE MINE SITE (Senes, May 2007)	SENES Consultants Ltd.
2007	EL BONANZA MINE SITE ASSESSMENT - Report on July 2006 Field Activities and Follow-Up Site Assessment (Senes, May 2007)	SENES Consultants Ltd.
2007	HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT FOR EL BONANZA MINE (Senes, May 2007)	SENES Consultants Ltd.
2007	PHASE III A ENVIRONMENTAL SITE ASSESSMENT, Sawmill Bay - SM 204, NORTHWEST TERRITORIES, prepared by Franz Environmental Inc., 2007	FRANZ Environmental Inc. and Ecometrix Incorporated
2007	CONTACT LAKE MINE SUPPLEMENTAL 2007 SITE ASSESSMENT - June 2007 Field Activities and Follow-Up Site Assessment (Senes, September 2007)	SENES Consultants Ltd.
2007	EL BONANZA MINE SUPPLEMENTAL 2007 SITE ASSESSMENT - June 2007 Field Activities and Follow-Up Site Assessment (Senes, December 2007)	SENES Consultants Ltd.
2007	Preliminary Quantitative Risk Assessment (PQRA), Sawmill Bay site, Northwest Territories. Prepared for Contaminants and Remediation Directorate, Indian and Northern Affairs Canada	FRANZ Environmental Inc. and Ecometrix Incorporated
2007	SITE-SPECIFIC HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT FOR THE SILVER BEAR MINES, FINAL, prepared by SENES Consultants Ltd., September 2007	SENES Consultants Ltd.
2007	Access Road, Terra to Norex/Smallwood Mine Sites, Silver Bear Mines, NT, prepared by Fisheries and Oceans Canada, January 2007	DFO
2007	REVIEW OF GEOTECHNICAL AND GEOCHEMISTRY ASPECTS SILVER BEAR REMEDIAL ACTION PLAN SOLVER BEAR MINES, NT	Golder Associates Ltd.
2007	Assessment of Plant Community Composition and Metal Concentrations in the Ho Hum Lake - Moose Bay Wetland at Silver Bear Mines in the NWT, Draft Report, prepared by Northern Environmental Consulting, 2007	Northern Environmental Consulting
2008	SCREENING-LEVEL RISK ASSESSMENT (SLRA) SAWMILL BAY – SM 204, prepared by Franz Environmental Inc and EcoMetrix Incorporated, March 2008	FRANZ Environmental Inc. and Ecometrix Incorporated
2008	Impact of Site Specific Risk Based Standards for PHC Contaminated Materials at Contact Lake and El Bonanza Mine Sites in the Northwest Territories	SENES Consultants Ltd.
2008	TERRA MINE, SELECTED SOIL AND PAINT SAMPLING PROGRAM, Draft Report, prepared by SENES Consultants Ltd., 2008	SENES Consultants Ltd.
2008	Assessment of Hazardous Materials in Processing Facilities, SBM, prepared by SRK Consulting Inc., 2008	SRK Consulting (Canada) Inc
2008	FINAL REPORT, DEVELOPMENT OF CLEANUP CRITERIA FOR PETROLEUM HYDROCARBONS FOR SILVER BEAR, CONTACT LAKE AND EL BONANZA AND SAWMILL BAY SITES, prepared by SENES Consultants Ltd., 2008	SENES Consultants Ltd.
2008	DETAILED ENVIRONMENTAL SITE ASSESSMENT, Sawmill Bay, NORTHWEST TERRITORIES NM-180, prepared by Franz Environmental Inc., 2008	FRANZ Environmental Inc. and Ecometrix Incorporated
2008	FRANZ Environmental Inc. and EcoMetrix Incorporated. 2008b. Screening-Level Risk Assessment (SLRA), Sawmill Bay - NM 180, Final Report. Prepared for Contaminants and Remediation Directorate, Indian and Northern Affairs Canada. March.	FRANZ Environmental Inc. and Ecometrix Incorporated
2008	TERRA MINE, HO HUM LAKE INLET/OUTLET SURVEYS, Draft Report, prepared by SENES Consultants Ltd., 2008	SENES Consultants Ltd.

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2008	SCREENING-LEVEL RISK ASSESSMENT (SLRA) SAWMILL BAY – SM 204, prepared by Franz Environmental Inc and EcoMetrix Incorporated, March 2008	FRANZ Environmental Inc. and Ecometrix Incorporated
2009	EL BONANZA MINE SUPPLEMENTAL 2008 SITE ASSESSMENT - June 2008 Field Activities and Follow-Up Site Assessment (Senes, March 2009)	SENES Consultants Ltd.
2009	Contact Lake Supplemental Site Assessment - Report on June 2008 Field Activities and Follow-Up Site Assessment	SENES Consultants Ltd.
2010	HUMAN HEALTH AND ECOLOGICAL RISK ASSESSMENT FOR INDORE AND HOTTAH MINES (Senes, April 2010)	SENES Consultants Ltd.
2010	Development of Acceptable Threshold Limits for Arsenic at the outlet of Moose Bay, prepared by SENES Consultants Ltd, May 2010	SENES Consultants Ltd.
2012	Memorandum: Contact Lake Portal 2012 Assessment Program (Senes, October 2012)	SENES Consultants Ltd.
2012	Memorandum: Bear Portal 2012 Assessment Program (Senes, October 2012)	SENES Consultants Ltd.
2014	Detailed Quantitative Human Health and Ecological Risk Assessment for the Terra Mine Site, prepared by SENES Consultants Ltd., January 2014	SENES Consultants Ltd.
2014	Detailed Quantitative Human Health and Ecological Risk Assessment for the Terra Mine Site, prepared by SENES Consultants Ltd., January 2014	SENES Consultants Ltd.
2014	Final Report: Site Specific Target Level for Arsenic in Surface Waters Associated with the Terra Mine Wetland, prepared by SENES Consultants, March 2014	SENES Consultants Ltd.
2014	Sawmill Bay Drum Removal Program, Prepared by SENES Consultants Ltd. Final Report. December 2014	SENES Consultants Ltd.
2015	Working Draft Site Wide Hazard Assessment Terra Mine Site, Northwest Territories (ARCADIS, October 2015)	ARCADIS
2015	Terra Mill Assessment, Terra Mine, Northwest Territories (ARCADIS, October 2015) DRAFT	ARCADIS