Appendix 1 Metadata

Project and Sample Metadata

Metadata Category	GeoFile 2022 -10
Project Leader's Name	Peter Friske
Province/Territory	British Columbia
Project or Activity Name	Detailed stream sediment survey Bowser Lake
Funding Source	NGR
Datum for Sample Location Coordinates	NAD27
Context of Current Work as it Relates to Earlier or Ongoing Work	Detailed follow up of regional stream sediment and water geochemical data, Northwestern British Columbia
Supporting Publications	GSC OF 5000: original 2005 survey.
Sampling Access Method	truck
Sampling Design/Pattern	First and second order streams around deposit
Sampling Method	hand sampled using NGR protocols
Sample Medium/Media Number of samples of each medium	34 stream silt samples; 34 stream HMC bulk samples; 34 stream water samples; 3 moss mat samples
Sample Density	variable
Date Range of Sample Collection	Summer 2004

Geochemical Sample Preparation Metadata

Lab Name and Date of Submission	Work Order# or Certificate Name	Screening – mesh size	Screening – Wentworth scale grain size	Methodology	Number of Samples Prepared	Published Reference(s) for the Preparation Techniques Used	Commercial Lab Preparation Package Code
ACME Labs, 2004	unknown	- 80 mesh stream silt	<177 µm	Collected samples (1-2 kg) were air dried, disaggregated, sieved (-80 mesh)	34 samples	Lett and Friske, 2005	N/A
ACME Labs, 2004	unknown	-230 mesh (ASTM) stream silt	<63 µm	Collected samples (1-2 kg) were air dried, disaggregated, sieved (-230 mesh)	34 samples	Lett and Friske, 2005	N/A
ACME Labs, 2004	unknown	-80 mesh moss matt	< 177 µm	Collected samples were air dried, disaggregated, sieved (-80 mesh)	Only 3 samples	Lett and Friske, 2005	N/A
Overburden Drilling Management Ltd.	2186	-60 mesh heavy mineral concentrate	<0.25 mm	Tabling, heavy liquid separation at SG 3.2; ferromagnetic separation	34 samples	Lett and Friske, 2005	N/A

Geochemical Analysis Metadata

Part 1 of 2

Lab Name	Work Order# or Certificate Name (usually a number)	Date Samples Submitted to Lab	Sample medium	Size Fraction Analyzed	Analytical Digestion (if applicable): list each digestion on a separate line	Analytical Method / Aliquot Mass	Name and Abbreviation of Laboratory's Analytical Package	Number of elements analyzed
Acme Analytical Laboratories Ltd.	unknown	2004	Stream sediment	< 177 µm	Modified aqua regia (1:1:1; HNO_3:HCl:H_2O)	ICP-MS		36
Acme Analytical Laboratories Ltd.	unknown	2004	Stream sediment	< 177 µm	F by sodium hydroxide fusion	specific ion electrode		36
Acme Analytical Laboratories Ltd.	unknown	2004	Stream sediment	< 177 µm	Sn by lithium metaborate fusion	ICP-MS		36
Acme Analytical Laboratories Ltd.	unknown	2004	Stream sediment	< 177 µm		LECO		36
Becquerel Laboratories, Mississauga	unknown	2004	Stream sediment	< 177 µm		INAA		35
Acme Analytical Laboratories Ltd.	unknown	2004	Stream sediment	<63 µm	Modified aqua regia (1:1:1; HNO_3:HCl:H_2O)	ICP-MS		36
Acme Analytical Laboratories Ltd.	unknown	2004	Stream sediment	<63 µm	F by sodium hydroxide fusion	specific ion electrode		36
Acme Analytical Laboratories Ltd.	unknown	2004	Stream sediment	<63 µm	Sn by lithium metaborate fusion	ICP-MS		36
Acme Analytical Laboratories Ltd	unknown	2004	Stream sediment	<63 µm		LECO		36
Becquerel Laboratories, Mississauga	unknown	2004	Stream sediment	<63 µm		INAA		35
Acme Analytical Laboratories Ltd.	unknown	2004	moss mat	<177	Modified aqua regia (1:1:1; HNO_3:HCl:H_2O)	ICP-MS		36
Acme Analytical Laboratories Ltd.	unknown	2004	moss mat	<177	F by sodium hydroxide fusion	specific ion electrode		36
Acme Analytical Laboratories Ltd.	unknown	2004	moss mat	<177	Sn by lithium metaborate fusion	ICP-MS		36
Acme Analytical	unknown	2004	moss mat	<177		LECO		36

Laboratories Ltd.								
Becquerel Laboratories, Mississauga	unknown	2004	moss mat	<177		INAA		35
Geological Survey of Canada, Ottawa, ON Analytical Method Development Lab and GSC Chemistry and Analytical Service	unknown	2004	Stream water		Filtered, acidified	ICP-MS		35
Becquerel Laboratories, Mississauga	unknown	2004	Heavy mineral concentrate	<0.25 mm		0.1 to 15 g/ INAA		35

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Upper and Lower Detection Limits (for each element)	PDF of Price Brochure	Deviations from Methods Described in Lab Brochure	List Different Types of QA/QC Samples Inserted
Table 1 in report for ICP-MS and INAA			field duplicates

Indicator Mineral Metadata

Part 1 of 4

Sample Medium/Media	Number of Samples of Each Medium	Processing Laboratory Name	Mineral Picking Laboratory Name	Work Order Number	Date Samples Submitted to Lab for Processing	Date Sample Data Reported to GSC
Stream sediment	34	Overburden Drilling Management Ltd., Ottawa	Overburden Drilling Management Ltd., Ottawa	2186	2004	unknown

Part 2 of 4

Flow Chart (PDF)	Initial Sample Mass Before Processing (range)	Range of Grain Size Used for Sample Processing	Pre-Concentration Method(s)	Rock Disaggregation Method	Rock Disaggregation Laboratory Name	Name and Density of Heavy Liquid(s)	Ferromagnetic Separation Method
Figure 2	7-14 kg	<2.0 mm	Tabling, heavy liquids	NA	NA	dilute methylene iodide at SG 3.2	hand magnet

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Size Fractions Prepared	Size Fraction(s) Examined and Picked for Indicator Minerals	% of Heavy Mineral Concentrate Examined from Each Sample	Mineral Identification Method	Mineral Grain Picking Criteria	Mineral Chemistry Determination Method	Mineral Chemistry Lab Name
<0.25 mm, 0.25-0.5 mm, 0.5-1.0 mm, 1.0-2.0 mm	0.25-0.5 mm, 0.5-1.0 mm, 1.0-2.0 mm	100% for all but one sample; 20% for sample 104G-BS-7007	binocular microscope, SEM checks of some grains	KIM, MMSIM, GOLD	NA	NA

Part 4 of 4

Report Mineral Count Data as Raw Data Reported by the Picking Laboratory	Report Mineral Count Data Corrected for Minerals as Confirmed by EMP, SEM or Other Methods	Report Mineral Count Data as Values Normalized to Total Mass of Sediment Processed: (e.g. number of grains per 10 kg table feed)
Appendix 10	NA	NA