

Appendix A1

Project and Sample Metadata

Metadata Category	Open File 013N/0159
Project Leader's Name	Heather Campbell
Province/Territory	Newfoundland and Labrador
Project or Activity Name	GEM2 Hudson-Ungava Project
Funding Source	Geological Survey of Newfoundland and Labrador, GEM-2
Datum for Sample Location Coordinates	NAD27
Context of Current Work as it Relates to Earlier or Ongoing Work	Samples are part of larger dataset; samples also collected in 2017 and 2018. May expand with future work in the area.
Supporting Publications	<p>Geochemical bulk sediment data for samples collected in 2017 and 2018</p> <p>Newfoundland and Labrador, Department of Natural Resources, Geological Survey, Open File Lab/1743 Campbell and McClenaghan, 2019a</p> <p>Newfoundland and Labrador, Department of Natural Resources, Geological Survey, Open File 013N/0156 Campbell and McClenaghan, 2019b</p>
Sampling Access Method	Helicopter
Sampling Design/Pattern	Random
Sampling Method	Hand dug pits
Sample Medium/Media Number of samples of each medium	15 till, 2 beach sand for blanks
Sample Density	1 sample 3–12 km ²
Date Range of Sample Collection	2019

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
till	15	Overburden Drilling Management Ltd., Nepean, Ontario	Overburden Drilling Management Ltd., Nepean, Ontario	8060	Feb, 2019	May 1, 2019
beach sand blanks ("Bathurst Blank" – see Plouffe <i>et al.</i> , 2013)	2	Overburden Drilling Management Ltd., Nepean, Ontario	Overburden Drilling Management Ltd., Nepean, Ontario	8060	Feb, 2019	May 1, 2019

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, Open File 013N/0159	4.4–21.0 kg	<2.0 mm	Tabling, panning, heavy liquids			dilute methylene iodide at SG 3.2	Hand magnet; Carpcio for paramag separation

Part 3 of 4

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%	binocular microscope; SEM	KIM, MMSIM, PCIM	SEM	Overburden Drilling Management Ltd., Nepean, Ontario

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: (<i>e.g.</i> , Number of Grains Per 10 kg Table Feed)
Appendix B14	Open File 013N/0159	No – only raw counts reported in this report