



Compilation Details

Layer Name: Till Geochemistry Samples

Layer Type: Surficial Geology

Feature Type: Point

General Information

Release Date: 2014-04-08

Released By: Yukon Geological Survey

Contact Info: YGS-Surficial@yukon.ca

Summary

A Yukon-wide compilation of 1102 till geochemistry samples collected during 4 regional till sampling surveys conducted by Yukon Geological Survey in the Faro/Anvil Range, Weasel Lake, Finlayson Lake and Glenlyon/East Carmacks areas between 1998 and 2002. Complete analytical results for more than 40 elements are included in the attribute table for each sample.

Description

Last Updated: Apr 8, 2014

This compilation incorporates till geochemistry analytical data for 1102 samples (including 66 field and analytical duplicates) collected from four separate regional till sampling areas:

- 1) Faro/Anvil Range - (NTS 105K, YGS 1998-1999, 318 samples)
- 2) Weasel Lake - (NTS 105G/13, YGS 2000, 159 samples)
- 3) Finlayson Lake - (NTS 105G, YGS/GSC 2001, 311 samples)
- 4) Glenlyon/East Carmacks - (NTS 105L & 115I, YGS/GSC 2002, 314 samples)

Yukon Geological Survey (YGS) conducted all four surveys, with collaboration by the Geological Survey of Canada (GSC) on the Finlayson Lake and Glenlyon surveys. For more information on each project area, consult the references provided below.

Complete analytical results for over 40 elements are included in the attribute table for each sample (see field descriptions for full list of elements, and note that each sample may not have been analyzed for every element). **Also note that where negative values occur, the minus sign actually indicates a "less than" symbol (<) as the results were below the detection limit.**

This dataset will be updated as new till geochemistry sampling is completed in the territory. Any errors noted by users of this data should be promptly reported to the Yukon Geological Survey.

REFERENCES INCLUDED IN COMPILATION:

Publications may be downloaded in PDF format from the YGS integrated data system (YGSIDS) <http://data.geology.gov.yk.ca/> or through the "Related References" table below.

Faro/Anvil Range:

Bond, J.D., 1999. The Quaternary history and till geochemistry of the Anvil District, east-central Yukon. In: Yukon Exploration and Geology 1998, Roots, C.F. and Emond, D.S (eds.), Exploration and Geological Sciences Division, Yukon Region, Indian and Northern Affairs Canada, p. 105-116.

Bond, J.D., 2001. Quaternary Geology and Till Geochemistry of the Anvil District (Parts of 105K/2, 3, 5, 6 and 7), central Yukon Territory. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Bulletin 11, 39 p.

Bond, J.D., 1999. McConnell Ice-Flow Map of the Anvil District (105K), Central Yukon. Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division, Open File 1999-14.

NTS 105K/2 NE - Bond, J.D., 1999. Surficial geology map and till geochemistry of Swim Lakes (105K/2 NE), Central Yukon. YGS Open File 1999-19, 1:25 000 scale map.

NTS 105K/2 NW - Bond, J.D., 1999. Surficial geology map and till geochemistry of Swim Lakes (105K/2 NW), Central Yukon. YGS Open File 1999-5, 1:25 000 scale map.

NTS 105K/3 NE; 105K/6 SE - Bond, J.D., 1999. Surficial geology map and till geochemistry of Mount Mye and Faro (105K/3&6 E), Central Yukon. YGS Open

File 1999-7, 1:25 000 scale map.

NTS 105K/5 NE - Bond, J.D., 1999. Surficial geology map and till geochemistry of Rose Mountain (105K/5 NE), Central Yukon. YGS Open File 1999-16, 1:25 000 scale map.

NTS 105K/5 NW - Bond, J.D., 1999. Surficial geology map and till geochemistry of Rose Mountain (105K/5 NW), Central Yukon. YGS Open File 1999-18, 1:25 000 scale map.

NTS 105K/6 E - Lipovsky, P.S., and Bond, J.D., 1999. Surficial geology map and till geochemistry of Mount Mye (105K/6 E), Central Yukon. YGS Open File 1999-9, 1:25 000 scale map.

NTS 105K/6 W - Bond, J.D., 1999. Surficial geology map and till geochemistry of Mount Mye (105K/6 W), Central Yukon. YGS Open File 1999-10, 1:25 000 scale map.

NTS 105K/7 SE - Bond, J.D., 1999. Surficial geology map and till geochemistry of Blind Creek (105K/7 SE), Central Yukon. YGS Open File 1999-20, 1:25 000 scale map.

NTS 105K/7 SW - Bond, J.D., 1999. Surficial geology map and till geochemistry of Blind Creek (105K/7 SW), Central Yukon. YGS Open File 1999-6, 1:25 000 scale map.

Weasel Lake:

Bond, J. D., 2001. Surficial geology and till geochemistry of Weasel Lake map area (105G/13), east-central Yukon. In: Yukon Exploration and Geology 2000, Emond, D.S. and Weston, L.W. (eds.), Exploration and Geological Sciences Division, Yukon Region, Indian and Northern Affairs Canada, p. 73-96.

Bond, J.D., 2000. Surficial Geology and Till Geochemistry of Weasel Lake (105G/13), Central Yukon. YGS Open File 2000-9, 1:50 000 scale map.

Finlayson Lake:

Bond, J.D. and Plouffe, A., 2002. Finlayson Lake Targeted Geoscience Initiative (southeastern Yukon), Part 2: Quaternary geology and till geochemistry. In: Yukon Exploration and Geology 2001, Emond, D.S., Weston, L.W., and Lewis, L.L. (eds.), Exploration and Geological Sciences Division, Yukon Region, Indian and Northern Affairs Canada, p. 209-228.

Plouffe, A. and Bond, J.D., 2003. Till geochemistry of the Finlayson Lake (105G), Glenlyon (105L) and east Carmacks (115I) map areas, Yukon Territory. Yukon Geological Survey, Open File 2003-10(D).

Glenlyon and East Carmacks:

Bond, J.D. and Plouffe, A., 2003. Yukon Targeted Geoscience Initiative, Part 2: Glacial history, till geochemistry and new mineral exploration targets in Glenlyon and eastern Carmacks map areas, central Yukon. In: Yukon Exploration and Geology 2002, Emond, D.S. and Lewis, L.L. (eds.), Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division, p. 109-134.

Plouffe, A. and Bond, J.D., 2003. Till geochemistry of the Finlayson Lake (105G), Glenlyon (105L) and east Carmacks (115I) map areas, Yukon Territory. Yukon Geological Survey, Open File 2003-10(D).

Downloads

Name	Location	Public	Comment
Shapefile	https://ygsftp.gov.yk.ca/YGSIDS/compilations/Till_Geochemistry/till_geochemistry.shp_2014_04_08.zip	Yes	Till geochemistry sample locations and analysis results, in ArcGIS shapefile format (157 KB zipped / 1.9 MB unzipped)
			Till geochemistry sample locations and

Geodatabase	https://ygsftp.gov.yk.ca/YGSIDS/compilations/Till_Geochemistry/till_geochemistry.gdb_2014_04_08.zip	Yes	analysis results, in ArcGIS geodatabase (v10) format (128 KB zipped / 454 KB unzipped)
Google Earth (kmz)	https://ygsftp.gov.yk.ca/YGSIDS/compilations/Till_Geochemistry/Yukon_Till_Geochemistry_2014_04_08.kmz	Yes	Google Earth layer file representing till geochemistry sample locations and analytical results (205 KB)
Yukon Digital Surficial Geology Compilation Info	https://data.geology.gov.yk.ca/Compilation/33	Yes	Background information on the Yukon digital surficial geology compilation project as a whole, including: data compilation methods; a summary of the Yukon terrain classification system; and descriptions and links to all GIS products (24 page PDF document, 798 KB)

Revision History

Finished Date	Comment
Apr 8, 2014	1st release of Yukon digital surficial geology compilation

Related References

Number	Reference Type	Document Type	Title	Year	Page(s)
2000-9	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Surficial)	Surficial geology and till geochemistry of Weasel Lake (105G/13), central Yukon	2000	
1999-7	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Surficial)	Surficial Geology Map and Till Geochemistry of Mt. Mye and Faro (105K/3 E & 6 E), central Yukon	1999	

2003-10(D)	Yukon Geological Survey	Open File (Geochemical)	Till geochemistry of the Finlayson Lake (105G), Glenlyon (105L) and east Carmacks (115I) map areas, Yukon Territory	2003	
1999-14	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Surficial)	McConnell Ice-Flow Map of the Anvil District (105K), Central Yukon	1999	
1999-16	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Surficial)	Surficial Geology Map and Till Geochemistry of Rose Mountain (105K/5 NE), Central Yukon	1999	
1999-18	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Surficial)	Surficial Geology Map and Till Geochemistry of Rose Mountain (105K/5 NW), Central Yukon	1999	
1999-19	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Surficial)	Surficial Geology Map and Till Geochemistry of Swim Lakes (105K/2 NE), Central Yukon	1999	
1999-5	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Surficial)	Surficial Geology Map and Till Geochemistry of Swim Lakes (105K/2 NW), Central Yukon	1999	
YEG2000_07	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report Paper	Surficial geology and till geochemistry of Weasel Lake map area (105G/13), east-central Yukon	2001	
YEG1998_08	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report Paper	The Quaternary history and till geochemistry of the Anvil District, east-central Yukon	1999	
YEG2002_09	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report Paper	Yukon Targeted Geoscience Initiative, Part 2: Glacial history, till geochemistry and new mineral exploration targets in Glenlyon and eastern Carmacks map areas, central Yukon	2003	
1999-20	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Surficial)	Surficial Geology Map and Till Geochemistry of Blind Creek (105K/7 SE), Central Yukon	1999	
1999-6	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Surficial)	Surficial geology map and till geochemistry of Blind Creek (105K/7 SW), central Yukon (1:25,000 scale)	1999	
1999-9	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Surficial)	Surficial geology map and till geochemistry of Mount Mye (105K/6 E), central Yukon (1:25,000 scale)	1999	
1999-10	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Surficial)	Surficial geology map and till geochemistry of Mount Mye (105K/6 W), central Yukon (1:25,000 scale)	1999	
11	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Bulletin	Quaternary Geology and Till Geochemistry of the Anvil District (Parts of 105K/2, 3, 5, 6 and 7), central Yukon Territory	2001	

YEG2001_18	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Annual Report Paper	Finlayson Lake Targeted Geoscience Initiative (southeastern Yukon), Part 2: Quaternary geology and till geochemistry	2002	
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