



Compilation Details

Layer Name: Stratigraphic Sections

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

This GIS dataset is a Yukon-wide compilation of detailed stratigraphic section descriptions from 421 locations as depicted on 51 published and unpublished surficial geology maps of various scales produced by the Geological Survey of Canada and Yukon Geological Survey. Attribute data for 1198 section layers includes: unit depths and thicknesses; surficial material classification; and detailed descriptive notes such as texture, structure, sorting, colour, age and/or location.

Description

Last Updated: Apr 8, 2014

Please note that each stratigraphic section site has multiple layers/units which are ordered by the "Layer_no" field, in ascending order from top to bottom.

General notes which apply to entire section as a whole are supplied in the "Sect_notes" field (e.g. exposure type or description, local feature name and/or location relative to local features).

A general classification of genetic material (e.g. glaciofluvial, glaciolacustrine, till, colluvium, etc.) for each specific layer/unit is captured in the "Material" field.

All depths ("Top_D_m" and "Bot_D_m") are provided in metres increasing with depth, with 0 m at the TOP of the section.

Full layer/unit descriptions are provided in the "DESCRIPTN" field, which is a "memo" geodatabase field type that accommodates >255 text characters. Because most other formats do not support memo fields, the DESCRIPTN field was divided into 4 separate fields: "DESCRIPTN1, DESCRIPTN2, DESCRIPTN3 and DESCRIPTN4, each of which accommodates up to 255 text characters.

The original source map for each feature is identified in the "ORIGNL_MAP" field. 44 of the 51 source maps (see complete list below) were originally published by the Geological Survey of Canada (GSC) while the remaining 7 source maps were originally published by the Yukon Geological Survey (YGS).

This dataset will be updated as new surficial geology mapping is completed in the territory. Any errors noted by the user of this data should be promptly reported to the Yukon Geological Survey.

MAP SOURCES/ REFERENCES INCLUDED IN COMPILATION:

(arranged by National Topographic Series/NTS map sheet number)

Original GSC maps and legends may be downloaded in PDF format from the [GEOSCAN database](#).

Original YGS publications may be downloaded in PDF format from the [YGS data website](#) or through the "Related References" table below.

NTS 105D/06 - Bond, Morison and McKenna, 2005. Surficial Geology of Alligator Lake, Yukon. YGS Geoscience Map 2005-4, 1:50,000.

NTS 105D/11 - Bond, Morison and McKenna, 2005. Surficial Geology of Whitehorse, Yukon. YGS Geoscience Map 2005-7, 1:50,000.

NTS 105D/14 - Bond, Morison and McKenna, 2005. Surficial Geology of Upper Laberge, Yukon. YGS Geoscience Map 2005-8, 1:50,000.

NTS 105F/01; 105F/02; 105F/07; 105F/08 - Jackson, L.E., Jr, 1993. Surficial Geology, McConnell River, Yukon Territory. GSC "A" Series Map 1793A, 1:100,000.

NTS 105F/03; 105F/04; 105F/05; 105F/06 - Jackson, L.E., Jr, 1993. Surficial Geology, Gray Creek, Yukon Territory. GSC "A" Series Map 1792A, 1:100,000.

NTS 105F/09; 105F/10; 105F/15; 105F/16 - Jackson, L.E., Jr, 1993. Surficial Geology, Bruce Lake, Yukon Territory. GSC "A" Series Map 1791A, 1:100,000.

NTS 105F/10,07 - Kennedy, K.E., 2005. Surficial Geology of Seagull Creek (Parts of NTS 105F/10 and 7), Yukon. YGS Open File 2005-1, 1:50,000.

NTS 105F/11; 105F/12; 105F/13; 105F/14 - Jackson, L.E., Jr, 1993. Surficial Geology, Lapie Lakes, Yukon Territory. GSC "A" Series Map 1790A, 1:100,000.

NTS 105G/11; 105G/12; 105G/13; 105G/14 - Jackson, L.E., Jr, 1993. Surficial Geology, Hoole River, Yukon Territory. GSC "A" Series Map 1794A, 1:100,000.

NTS 105J/01; 105J/02; 105J/07; 105J/08 - Jackson, L.E., Jr; Morison, S.R. and McKenna, K., 1993. Surficial Geology, Rader Lake, Yukon Territory. GSC "A" Series Map 1835A, 1:100,000.

NTS 105K/01; 105K/02; 105K/07; 105K/08 - Jackson, L.E., Jr, 1993. Surficial Geology, Olgie Lake, Yukon Territory. GSC "A" Series Map 1822A, 1:100,000.

NTS 105K/03; 105K/04; 105K/05; 105K/06 - Jackson, L.E., Jr, 1993. Surficial Geology, Magundy River, Yukon Territory. GSC "A" Series Map 1821A, 1:100,000.

NTS 105K/11; 105K/12; 105K/13; 105K/14 - Jackson, L.E., Jr, 1993. Surficial Geology, Earn River, Yukon Territory. GSC "A" Series Map 1819A, 1:100,000.

NTS 105L/01; 105L/02; 105L/07; 105L/08 - Ward, B.C. and Jackson, L.E., Jr, 1993. Surficial geology, Telegraph Mountain, Yukon Territory. GSC "A" Series Map 1789A, 1:100,000.

NTS 105L/03; 105L/04; 105L/05; 105L/06 - Ward, B.C. and Jackson, L.E., Jr, 1993. Surficial geology, Afe Creek, Yukon Territory. GSC "A" Series Map 1788A, 1:100,000.

NTS 105L/09; 105L/10; 105L/15; 105L/16 - Ward, B.C. and Jackson, L.E., Jr, 1993. Surficial geology, Wilkinson Range, Yukon Territory. GSC "A" Series Map 1787A, 1:100,000.

NTS 105L/11; 105L/12; 105L/13; 105L/14 - Ward, B.C. and Jackson, L.E., Jr, 1993. Surficial geology, Needlerock Creek, Yukon Territory. GSC "A" Series Map 1786A, 1:100,000.

NTS 105M/14 - Bond, J.D., 1998. Surficial geology of Keno Hill, Central Yukon. YGS Geoscience Map 1998-4, 1:50,000.

NTS 106D/04 - Bond, J.D., 1998. Surficial geology of Dublin Gulch, Central Yukon. YGS Geoscience Map 1998-6, 1:50,000.

NTS 115B/15,16 & 115G 01,02 - Rampton, V.N., 1979. Surficial geology and geomorphology, Congdon Creek, Yukon Territory. GSC Map 8-1978, 1:100,000.

NTS 115F NE & 115G/12,13 - Rampton, V.N., 1979. Surficial geology and geomorphology, Generc River, Yukon Territory. GSC Map 7-1978, 1:100,000.

NTS 115G/06,07,10,11 - Rampton, V.N., 1980. Surficial geology and geomorphology, Burwash Landing, Yukon Territory. GSC Map 6-1978, 1:100,000.

NTS 115I/01; 115I/02; 115I/07; 115I/08 - Jackson, L.E., Jr, 1997. Surficial geology, Tantalus Butte, Yukon Territory. GSC "A" Series Map 1879A, 1:100,000.

NTS 115I/03; 115I/04; 115I/05; 115I/06 - Jackson, L.E., Jr, 1997. Surficial geology, Victoria Creek, Yukon Territory. GSC "A" Series Map 1876A, 1:100,000.

NTS 115I/09; 115I/10; 115I/15; 115I/16 - Jackson, L.E., Jr, 1997. Surficial geology, Granite Canyon, Yukon Territory. GSC "A" Series Map 1878A, 1:100,000.

NTS 115I/11; 115I/12; 115I/13; 115I/14 - Jackson, L.E., Jr, 1997. Surficial geology, Victoria Rock, Yukon Territory. GSC "A" Series Map 1877A, 1:100,000.

NTS 115J/14 - Huscroft, C.A., 2002. Surficial geology, Coffee Creek, Yukon Territory. GSC Open File 4344, 1:50,000.

NTS 115J/15 - Huscroft, C.A., 2002. Surficial geology, Britannia Creek, Yukon Territory. GSC Open File 4345, 1:50,000.

NTS 115J/16 - Huscroft, C.A., 2002. Surficial geology, Cripple Creek, Yukon Territory. GSC Open File 4346, 1:50,000.

NTS 115K NE - Rampton, V.N., 1979. Surficial geology and geomorphology, Mirror Creek, Yukon Territory. GSC Map 4-1978, 1:100,000.

NTS 115K SE - Rampton, V.N., 1979. Surficial geology and geomorphology, Koidern Mountain, Yukon Territory GSC Map 5-1978, 1:100,000.

NTS 115N/09 - Jackson, L.E., Jr, 2005. Surficial geology, Matson Creek, Yukon Territory. GSC Open File 4577, 1:50,000.

NTS 115N/10 - Jackson, L.E., Jr, 2005. Surficial geology, Borden Creek, Yukon Territory. GSC Open File 4578, 1:50,000.

NTS 115N/15 - Jackson, L.E., Jr, 2005. Surficial geology, Crag Mountain, Yukon Territory. GSC Open File 4579, 1:50,000.

NTS 1150/01 - Jackson, L.E., Jr and Rotheisler, P., 2005. Surficial geology, Pyroxene Mountain, Yukon Territory. GSC Open File 4347, 1:50,000.

NTS 1150/02 - Jackson, L.E., Jr and Huscroft, C.A., 2002. Surficial geology, Scroggie Creek, Yukon Territory. GSC Open File 4348, 1:50,000.

NTS 1150/03 - Jackson, L.E., Jr and Huscroft, C.A., 2002. Surficial geology, Thistle Creek, Yukon Territory. GSC Open File 4349, 1:50,000.

NTS 1150/04 - Jackson, L.E., Jr, 2005. Surficial geology, Los Angeles Creek, Yukon Territory. GSC Open File 4581, 1:50,000.

NTS 1150/05 - Jackson, L.E., Jr, 2005. Surficial geology, Excelsior Creek, Yukon Territory. GSC Open File 4582, 1:50,000.

NTS 1150/06 - Jackson, L.E., Jr, 2005. Surficial geology, Stewart River, Yukon Territory. GSC Open File 4583, 1:50,000.

NTS 1150/07 - Jackson, L.E., Jr, 2005. Surficial geology, Black Hills Creek, Yukon Territory. GSC Open File 4584, 1:50,000.

NTS 1150/08 - Jackson, L.E., Jr, 2005. Surficial geology, Rosebud Creek, Yukon Territory. GSC Open File 4585, 1:50,000.

NTS 1150/10 - Froese, D.G. and Jackson, L.E., Jr, 2005. Surficial geology, Granville, Yukon Territory. GSC Open File 4587, 1:50,000.

NTS 1150/11 - Jackson, L.E., Jr, 2005. Surficial geology, Reindeer Mountain, Yukon Territory. GSC Open File 4588, 1:50,000.

NTS 1150/12 - Jackson, L.E., Jr, Morison, S.R. and Mougeot, C., 2005. Surficial geology, Ogilvie, Yukon Territory. GSC Open File 4589, 1:50,000.

NTS 1150/13 - Jackson, L.E., Jr, Morison, S.R. and Mougeot, C., 2005. Surficial geology, Garner Creek, Yukon Territory. GSC Open File 4590, 1:50,000.

NTS 1150/14 - Froese, D.G. and Jackson, L.E., Jr, 2005. Surficial geology, Grand Forks, Yukon Territory. GSC Open File 4591, 1:50,000.

NTS 1150/15 - Froese, D.G., 2005. Surficial geology, Flat Creek, Yukon Territory. GSC Open File 4592, 1:50,000.

NTS 1150/16 - Froese, D.G., 2005. Surficial geology, Medrick Creek, Yukon Territory. GSC Open File 4593, 1:50,000.

NTS 115P/16 - Bond, J.D., 1998. Surficial geology of Seattle Creek, Central Yukon. YGS Geoscience Map 1998-2, 1:50,000.

NTS 116B&C - Duk-Rodkin, A., 1996. Surficial geology, Dawson, Yukon Territory. GSC 3288, 1:250,000.

Downloads

Name	Location	Public	Comment
Stratigraphic sections 2014-04-08 - Data	https://ygsftp.gov.yk.ca/YGSIDS/compilations/StratigraphicSections/	Yes	Stratigraphic sections - Spatial Data (GDB, SHP, KMZ)
PDF (YGS source maps only)	https://data.geology.gov.yk.ca/	Yes	Compilation source maps and legends originally produced by YGS may be downloaded in PDF format by clicking on the links provided in the "Related References" table below, or by searching the YGS integrated data system (YGSIDS) by author, title

			and/or publication number.
PDF (GSC source maps only)	https://ostrnrcan-dostrncan.canada.ca/handle/1845/60977	Yes	Compilation source maps and legends originally produced by GSC may be downloaded in PDF format by searching the GEOSCAN publications database by author, title and/or publication number.
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)
GM1998-2	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Geoscience Map (Geological - Surficial)	Surficial Geology of Seattle Creek, Central Yukon (115P/16)	1998	
GM1998-	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration &	Geoscience Map (Geological -	Surficial Geology of Dublin Gulch Map	1998	

6	Indian & Northern Development: Exploration & Geological Services Division	(Geological - Surficial)	Area, Central Yukon (106D/4)	1990	
GM1998-4	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Geoscience Map (Geological - Surficial)	Surficial Geology of Keno Hill, Central Yukon (105M/14)	1998	
GM2005-8	Yukon Geological Survey	Geoscience Map (Geological - Surficial)	Surficial Geology of Upper Laberge (NTS 105D/14), Yukon (1:50 000 scale)	2005	
GM2005-7	Yukon Geological Survey	Geoscience Map (Geological - Surficial)	Surficial Geology of Whitehorse (NTS 105D/11), Yukon (1:50 000 scale)	2005	
GM2005-4	Yukon Geological Survey	Geoscience Map (Geological - Surficial)	Surficial Geology of Alligator Lake (NTS 105D/6), Yukon (1:50 000 scale)	2005	
2005-1	Yukon Geological Survey	Open File (Geological - Surficial)	Surficial Geology of Seagull Creek (parts of NTS 105F/10 and 7), Yukon (1:50,000 scale)	2005	