



Compilation Details

Layer Name: Bedrock Geology dataset

Layer Type: Bedrock Geology

Feature Type: Dataset

General Information

Release Date: 2022-02-01

Released By: Yukon Geological Survey

Contact Info: Maurice Colpron (867)667-8235 maurice.colpron@gov.yk.ca

Summary

This update of the Yukon bedrock geology map builds upon the previous compilation by Gordey and Makepeace (1999, 2001). The data set includes the bedrock geology, faults and contacts, geochronology and map index; published by Yukon Geological Survey (January 2022). New digital data are being released incrementally and will be updated regularly as new parts of the compilation are ready. Any errors noted by the user of this data should be reported promptly to the Yukon Geological Survey.

Description

Last Updated: Feb 1, 2022

Yukon Bedrock Geology Map

This update of the Yukon bedrock geology map builds upon the previous compilation by Gordey and Makepeace (1999, 2001). It includes new, detailed bedrock geology maps and regional compilations that have been published by the Yukon Geological Survey and the Geological Survey of Canada, as well as some recent thesis works. A few of these maps were partially integrated into the digital dataset by Gordey and Makepeace (2003), but only as overlay to the 1999 compilation. A number of errors and omissions from the 1999 compilation of Gordey and Makepeace were also noted and corrected during compilation of this version of the map.

The Yukon bedrock geology GIS dataset is regularly updated and can be downloaded from the Yukon Geological Survey's website: www.geology.gov.yk.ca. Users are advised to consult the website regularly to ensure they are working with the latest version of the geodatabase or shape files. This update of the GIS dataset includes an expanded attribute structure (compared to the 1999 dataset) that facilitates searching of the geodatabase.

This dataset requires the gscGeology font in order to properly label the bedrock polygons. This font file is packaged with the dataset when downloaded from geomaticsyukon.ca or geology.gov.yk.ca.

The Yukon Geological Survey aims to provide users with the best available geoscience data for Yukon. Any revisions or additional geological information known to the user would be welcomed by the Yukon Geological Survey.

Contact Person: Maurice Colpron (Maurice.Colpron@gov.yk.ca)

Downloads

Name	Location	Public	Comment
Web Map	https://arcg.is/1q5P9L	Yes	Web map for viewing the Bedrock Geology Data.
Bedrock map (PDF) - 1M	https://ygsftp.gov.yk.ca/publications/openfile/2022/OF2022-1_Yukon_bedrock_map_1M.pdf	Yes	Bedrock geology map (1M scale) - Feb. 2022
QGIS Layer File	https://ygsftp.gov.yk.ca/YGSIDS/compilations/BedrockGeology/BedrockGeology.qml.zip	Yes	QML Layer to display symbology in QGIS. -August

			2023
Bedrock Map - Legend	https://ygsftp.gov.yk.ca/publications/openfile/2022/OF2022-1_Legend.pdf	Yes	Bedrock geology legend - Feb. 2022
Georeferenced 250k bedrock maps	https://data.geology.gov.yk.ca/Compilation/23	Yes	These georeferenced pdf maps contain the most current bedrock geology information in Yukon. They are intended for use in software such as Avenza PDF Maps.
Shapefiles	https://map-data.service.yukon.ca/GeoYukon/Geological/Yukon_Bedrock_Geology_Complete/Yukon_Bedrock_Geology_Complete.shp.zip	Yes	Bedrock geology polygon shapefiles for Yukon - August 2023
Geodatabase	https://map-data.service.yukon.ca/GeoYukon/Geological/Yukon_Bedrock_Geology_Complete/Yukon_Bedrock_Geology_Complete.fgdb.zip	Yes	Geodatabase including complete geospatial dataset of the Yukon bedrock geology (version August 2023)

Revision History

Finished Date	Comment
Mar 3, 2015	updated GIS and PDF files for all of Yukon (supercedes all previous versions)
Feb 18, 2016	Updated PDF files (November 2015 release), added legend.
Nov 30, 2015	Updated GIS files. Bundled Contacts and Faults.
May 3, 2018	Updated Geodatabase, shapefiles, and web map to April 2018 version.
Jan 19, 2017	Updated Geodatabase, shapefiles, and web map to Jan 2017 version.
Feb 1, 2022	Updated geodatabase, shapefiles, and web map to Jan 2022 version. Merged bedrock map index compilation.
Feb 11, 2022	Updated QGIS qml layer files for 2022. Now includes layers for faults and contacts.
Sep 1, 2023	Updated for 2023.

Related References

Number	Reference Type	Document Type	Title	Year	Page(s)
1087-1	Indian & Northern Affairs Canada/Department of Indian & Northern	Open File (Geological -	Geology of Sab Lake (105B/7) and Meister Lake	1087	

1907-1	Development: Exploration & Geological Services Division	(Geological - Bedrock)	(105B/8), Yukon	1907	
1990-1	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Bedrock)	Geology of the Mt. Westman Map Area (106D/1)	1990	
1990-3	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Bedrock)	Geology of 106D/8 & 7 (East Half) Map Areas	1990	
2002-5	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Bedrock)	Geological map of Truitt Creek (NTS 105L/1), central Yukon (1:50 000 scale)	2002	
2004-11	Yukon Geological Survey	Open File (Geological - Bedrock)	Geological map of part of Waters Creek and Fire Lake map areas (part of NTS 105G/1,2), southeastern Yukon	2004	
2004-20	Yukon Geological Survey	Open File (Geological - Bedrock)	Preliminary geological map of the Quill Creek area (parts of NTS 115G/5, 6, 12), southwest Yukon (1:50 000 scale)	2004	
2003-12	Yukon Geological Survey	Open File (Geological - Bedrock)	Geological map of southern Semenof Hills (part of NTS 105E/1,7,8), south-central Yukon (1:50 000 scale)	2003	
2004-1	Yukon Geological Survey	Open File (Geological - Bedrock)	Bedrock Geology, Seagull Creek (105B/3), southern Yukon (1:50,000 scale)	2004	
2004-2	Yukon Geological Survey	Open File (Geological - Bedrock)	Bedrock Geology, Dorsey Lake (NTS 105B/4), southern Yukon (1:50,000 scale)	2004	
2004-3	Yukon Geological Survey	Open File (Geological - Bedrock)	Bedrock Geology, Morris Lake (105B/5), southern Yukon (1:50,000 scale)	2004	
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	
2001-3	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Bedrock)	Preliminary Geological Map of Division Mountain Area (105E/5-West Half and 115 H/8 East Half), Central Yukon (1:50 000 scale)	2001	
1997-3	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Bedrock)	Preliminary geological map of Grass Lakes area, Pelly Mountains, southeastern Yukon	1997	
1990-2	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Bedrock)	Geology Map of the Tiny Island Lake Map Area (105M/16)	1990	
2001-33	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Bedrock)	Preliminary bedrock geological map of northern Finlayson Lake area (NTS 105G) Yukon Territory (1:100 000 scale)	2001	
2000-10	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Bedrock)	Geological Map of Little Salmon Lake (Parts of 105L/1, 2 & 7), Central Yukon (1:50000 scale)	2000	

1999-4	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Bedrock)	Geological map of parts of Finlayson Lake area (105G/7, 8, and parts of 1, 2 and 9) and Frances Lake (parts of 105H/5 and 12) map areas, southeastern Yukon	1999	
2000-17	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Bedrock)	Preliminary geological map of part of the Money Creek area (105H/5), southeastern Yukon	2000	
2000-16	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Bedrock)	Preliminary geological map of part of the 'Tuchitua River North' area (105H/4), southeastern Yukon	2000	
1999-3	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Bedrock)	Geological map of Wolverine Lake area, Pelly Mountains (NTS 105G/8), southeastern Yukon	1999	
1988-1	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Bedrock)	Geology of Gravel Creek (105B/10) and Irvine Lake (105B/11) Map Areas, Southeastern Yukon	1988	
2005-9	Yukon Geological Survey	Open File (Geological - Bedrock)	Geological map of Livingstone Creek area (NTS 105E/8), Yukon (1:50 000 scale)	2005	
2005-10	Yukon Geological Survey	Open File (Geological - Bedrock)	Bedrock geological map of part of Watson Lake area (all or part of NTS 105A/2, 3, 5, 6, 7, 10, 11, 12, 13, 14), southeastern Yukon	2005	
2005-11	Yukon Geological Survey	Open File (Geological - Bedrock)	Geological map of the Duke River area (parts of NTS 115G/2, 3, 5, 6, 7), Yukon (1:50,000 scale)	2005	
1986-1	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Bedrock)	Geology of Spencer Creek (105B/1) and Daughney Lake (105B/2) Map Areas, Rancheria District, Southeastern Yukon	1986	
2002-9	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Bedrock)	Preliminary geological map of Glenlyon (105L/1- 7,11-14) and northeast Carmacks (115I/9,16) areas, Yukon Territory (1:125 000 scale)	2002	
2000-15	Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Bedrock)	Preliminary geological map of part of the Klatsa River area (105H/3), southeastern Yukon	2000	
2007-6	Yukon Geological Survey	Open File (Geological - Bedrock)	Geology of the northern Whitehorse trough, Yukon (105E/12, 13 and parts of 11 and 14; 105L/4 and parts of 3 and 5; parts of 115H/9 and 16; 115I/1 and part of 8)	2007	
2007-7	Yukon Geological Survey	Open File (Geological - Bedrock)	Bedrock Geology, Miles Ridge area, Yukon, (parts of NTS 115F/15, 16 and 115K/1,2)	2007	
2007-8	Yukon Geological Survey	Open File (Geological - Bedrock)	Bedrock Geology, Koidern River area, Yukon,(parts of NTS 115F/9, 15, 16 and 115G/12)	2007	
2007-9	Yukon Geological Survey	Open File (Geological - Bedrock)	Preliminary bedrock geology of part of Stevenson Ridge area (NTS 115J/3, 4, 5, 6, 7, 8, parts of 11 and 12; 115K/1, 2, 7, 8, 9, 10, parts of 15 and 16).	2007	
		Open File			

2007-4	Yukon Geological Survey	Open File (Geological - Bedrock)	Preliminary Geology Map of NTS 95D/6 (1:50 000 scale)	2007	
2008-1	Yukon Geological Survey	Open File (Petroleum)	Rock-Eval/TOC data for 18 wells, Peel Plateau and Plain, Yukon Territory (65° 50' to 67° 00' N; 133° 45' to 135° 15' W)	2008	
2008-2	Yukon Geological Survey	Open File (Geochemical)	Regional stream sediment and water geochemical data, Nahoni Range area, west-central Yukon Territory (parts of NTS 116F, G and K)	2008	
2008-21	Yukon Geological Survey	Open File (Geological - Bedrock)	Bedrock Geology of the Silver Creek area, Yukon (NTS 115A/3 and parts of 115A/6)	2008	
2009-44	Yukon Geological Survey	Open File (Geological - Bedrock)	Geological map of the 'Mendocina Creek' area (parts of 105E/8 and 105F/5)	2009	
2011-2	Yukon Geological Survey	Open File (Geological - Bedrock)	Preliminary bedrock geology of the Ruby Ranges, southwestern Yukon, (Parts of NTS 115G, 115H, 115A and 115B) (1:150 000 scale)	2011	
2011-1	Yukon Geological Survey	Open File (Geological - Bedrock)	Bedrock geology of Coal River map area (NTS 95D), Yukon	2011	
2011-31	Yukon Geological Survey	Open File (Geological - Bedrock)	Preliminary geological map of the northwestern Aishihik Lake area, parts of NTS 115H/12 and 13 (1:50 000-scale)	2011	
2013-1	Yukon Geological Survey	Open File (Geological - Bedrock)	Bedrock geology along the Duke River fault near Squaw Creek, Yukon and British Columbia (part of NTS 115A/03 and 114P/14)	2013	
2013-2	Yukon Geological Survey	Open File (Geological - Bedrock)	Bedrock geology along the Duke River fault near Silver Creek, Yukon (part of NTS 115B/16)	2013	
2013-3	Yukon Geological Survey	Open File (Geological - Bedrock)	Bedrock geology along the Duke River fault near Jessie Creek, Yukon (part of NTS 115B/16)	2013	
2013-4	Yukon Geological Survey	Open File (Geological - Bedrock)	Bedrock geology along the Duke River fault near Klutian Glacier, Yukon (part of NTS 115F/07)	2013	
2013-5	Yukon Geological Survey	Open File (Geological - Bedrock)	Bedrock geology along the Duke River fault near Bullion Creek, Yukon (part of NTS 115G/02)	2013	
2013-6	Yukon Geological Survey	Open File (Geological - Bedrock)	Bedrock geology along the Duke River fault near Hoge Creek, Yukon (part of NTS 115G/05)	2013	
2013-13	Yukon Geological Survey	Open File (Geological - Bedrock)	Geological map of the Rackla belt, east-central Yukon (NTS 106C/1-4, 106D/1)	2013	
2013-17	Yukon Geological Survey	Open File (Geological - Bedrock)	Preliminary geological map of the Granite Lake area, parts of NTS 115A/10, 11, 14 and 15.	2013	
2014-1	Yukon Geological Survey	Open File (Geological - Bedrock)	Geological map of NTS 106B/04, east-central Yukon	2014	
2003-1	Yukon Geological Survey	Open File (Geophysical)	Aeromagnetic Total Field, 106E/SE-SW, Yukon Territory	2003	

2014-11	Yukon Geological Survey	Open File (Geological - Bedrock)	Geological map of Michie Creek (NTS 105D/9) and parts of Tagish (NTS 105D/8) areas	2014	
2014-15	Yukon Geological Survey	Open File (Geological - Bedrock)	Geological map of the Coal Creek Inlier, Ogilvie Mountains (NTS 116B/10-15 and 116C/9, 16)	2014	
2014-16	Yukon Geological Survey	Open File (Geological - Bedrock)	Preliminary geological map of the Takhanne River area, NTS 115A/02	2014	
2014-17	Yukon Geological Survey	Open File (Geological - Bedrock)	Preliminary geological map of the Klühini River area, NTS 115A/07	2014	
2014-18	Yukon Geological Survey	Open File (Geological - Bedrock)	Preliminary bedrock geology of the Mt. Decoeli area (parts of NTS 115A/12, 13 and 115B/9, 16)	2014	
2015-2	Yukon Geological Survey	Open File (Geological - Bedrock)	Geological map of the Anvil Lake area, central Yukon, parts of NTS 105K/11 and 105K/12	2015	
2015-32	Yukon Geological Survey	Open File (Geological - Bedrock)	Preliminary geological map of the Long Lake area, parts of NTS 115H/2 and 115H/7	2015	
2016-2	Yukon Geological Survey	Open File (Geological - Bedrock)	Bedrock geology compilation of the eastern Rackla belt, NTS 105N/15, 105N/16, 105O/13, 106B/4, 106C/1, 106C/2, east-central Yukon	2016	
2016-3	Yukon Geological Survey	Open File (Geological - Bedrock)	Bedrock geology of the Tay Mountain area, central Yukon	2016	
2016-39	Yukon Geological Survey	Open File (Geological - Bedrock)	Preliminary geological map of the Hutshi Lakes and Cracker Creek map areas, parts of NTS 115A/15 and 115H/2	2016	
2016-40	Yukon Geological Survey	Open File (Geological - Bedrock)	Geological map of the Earn Lake area, central Yukon, parts of NTS 105L/9, 15 and 16	2016	
2016-36	Yukon Geological Survey	Open File (Geological - Bedrock)	Bedrock geology of the upper Hyland River area, NTS 105H/8, 9, 10, 15, 16 and 105I/2, southeast Yukon	2016	
2017-1	Yukon Geological Survey	Open File (Geological - Bedrock)	Revised geological map of Livingstone Creek area (NTS 105E/8)	2017	
MR-18	Yukon Geological Survey	Miscellaneous Report	Ross River geothermal exploration project: Review of the 2014 work program	2017	
2018-2	Yukon Geological Survey	Open File (Geological - Bedrock)	Bedrock geological map of the Mount Freegold district, Dawson Range	2018	
2018-19	Yukon Geological Survey	Open File (Geological - Bedrock)	Bedrock geology and metamorphism of the Anderson Lake area, parts of NTS 105H/07, 105H/10 and 105H/11, southeastern Yukon	2018	
2019-1	Yukon Geological Survey	Open File (Geological - Bedrock)	Geology of the eastern Lake Laberge area (105E), south-central Yukon	2019	
2019-3	Yukon Geological Survey	Open File (Geological - Bedrock)	Geology of northeastern Glenlyon area (NTS 105L/10, 13, 14, 15)	2019	

2020-42	Yukon Geological Survey	Open File (Geological - Bedrock)	Geology of the Keno Hill district	2020	
YEG2021_8	Yukon Geological Survey	Annual Report Paper	The Yukon Digital Bedrock Geology compilation	2022	
2022-4	Yukon Geological Survey	Open File (Geological - Bedrock)	Revised geological map of Mount Nansen area (NTS 115/I3 and part of 115I/2)	2022	
GM2024-1	Yukon Geological Survey	Geoscience Map (Geological - Bedrock)	Bedrock geology map of the McQuesten Lake area, central Yukon (parts of NTS 106D/2, 3, 6 & 7)	2024	