



Compilation Details

Layer Name: Geothermal dataset

Layer Type: Bedrock Geology

Feature Type: Dataset

General Information

Release Date: 2024-04-01

Contact Info: geology@yukon.ca

Summary

The geothermal compilation contains data sets related to geothermal potential in the Yukon. The data included in this dataset are derived from a variety of sources including historical subsurface thermal data compilations. The compilation includes boreholes in Yukon and near the border in the Northwest Territories as well as thermal springs in Yukon and some in bordering areas of British Columbia, Northwest Territories and Alaska.

Description

Last Updated: Apr 1, 2024

The geothermal compilation contains data sets related to geothermal potential in the Yukon. The data included in this dataset are derived from a variety of sources including historical subsurface thermal data compilations. The compilation includes: 1) boreholes from which temperature data was collected in Yukon and near the border in the Northwest Territories; 2) thermal springs, including water chemistry and temperature, in Yukon and in bordering areas of British Columbia, Northwest Territories and Alaska; and 3) radiogenic heat production values calculated from lithogeochemical analyses compiled by the Yukon Geological Survey (<https://data.geology.gov.yk.ca/Compilation/35>). These data are presented as overlay to the Curie point depth map of Yukon, calculated using global data of Li et al. (2017).

Downloads

Name	Location	Public	Comment
Geothermal Boreholes - Data	https://map-data.service.yukon.ca/GeoYukon/Geological/Geothermal_Boreholes/	Yes	Geothermal Boreholes data for download
Geothermal Thermal Springs - Data	https://map-data.service.yukon.ca/GeoYukon/Geological/Geothermal_Thermal_Springs/	Yes	Geothermal Thermal Springs - Spatial Data (GDB, SHP, KMZ)
Geothermal Radiogenic Heat Production - Data	https://map-data.service.yukon.ca/GeoYukon/Geological/Geothermal_Radiogenic_Heat_Production/	Yes	Geothermal Radiogenic Heat Production - Spatial Data (GDB, SHP, KMZ)
Geothermal dataset - GeoYukon	https://mapservices.gov.yk.ca/GeoYukon/?layers=1UQ3ku3va3T60FOXo60drl3930zAAJ	Yes	GeoYukon web map for viewing Geothermal data
Geothermal			This zip contains the metadata

Geothermal - Metadata	https://ygsftp.gov.yk.ca/YGSIDS/metadata/Geothermal_Dataset_Metadata.zip	Yes	Metadata related to the Geothermal datasets.
--------------------------	---	-----	--

Revision History

Finished Date	Comment
Apr 5, 2024	Initial data package created and uploaded

Related References

Number	Reference Type	Document Type	Title	Year	Page(s)
2017-3	Yukon Geological Survey	Open File (Geophysical)	Curie point depth mapping in Yukon	2017	