



Compilation Details

Layer Name: Assessment Report Geochemistry (GARDEd)

Layer Type: Minerals Geology

Feature Type: Point

General Information

Release Date: 2024-05-01

Released By: Yukon Geological Survey

Contact Info: geology@yukon.ca

Summary

Geochemical Assessment Report Data Extracted database (GARDEd) includes geochemical data from assessment reports (ARs), describing over 350,000 surficial samples. Data are mostly from assessment reports in the Dawson Range submitted since 2005. Samples described in the database belong to one of four categories: rock, soil, stream sediments (referred to in GARDEd as silt), and vegetation. The initial release contains approximately 10% of the geochemical data in Yukon ARs.

Description

Last Updated: May 1, 2024

The Yukon Geological Survey stores a significant amount of geological information gathered by exploration companies in compliance with the Quartz Mining Act. This information is primarily contained in assessment reports (AR). Since 1920, more than 8000 hardrock assessment reports have been collected, with more than 6000 of these containing geochemical data on surficial samples (e.g., soil, rock, stream sediment, and vegetation). The sheer volume and historical depth of these data provide valuable insight into the mineral potential of the Yukon.

Exploration companies rely on data from ARs to search for exploration targets. To aid exploration companies, YGS has developed this database to consolidate geochemical data extracted from assessment reports. This database, the Geochemical Assessment Report Data Extracted database (GARDEd), was created by extracting and compiling data from more than 300 assessment reports. GARDEd was initially populated with data from samples within a 75 km radius of the Casino deposit to evaluate the data extraction procedures and assess the feasibility of the database. Data capture focused on recent ARs because these were available in digital format. The initial release of this database contains approximately 10% of the geochemical data from surface samples within Yukon ARs.

YGS encourages users to send feedback to geology@yukon.ca to assess the usefulness of the dataset and determine how much effort should be invested to capture older, non-digital ARs.

Downloads

Name	Location	Public	Comment
Assessment Report Geochemistry (GARDEd) - Data	https://map-data.service.yukon.ca/geoyukon/Geological/Assessment_Report_Geochemistry/	Yes	A packaged folder containing all datasets and documentation relating to the Assessment Report Geochemistry (GARDEd) project. This file is 399 MB.
Assessment Report	https://unesftr.gov.yk.ca/Anexl/Inloads/Compilations/41/AssessmentReportGeochemistry_GARDEd_Manual.pdf		This manual outlines how to access and use data stored in the Geochemical

Geochemistry (GARDEd) - Manual	https://ygsftp.gov.yk.ca/apeexproducts/compilations/74/AssessmentReportGeochemistry_GARDEd_Manual.pdf	Yes	Assessment Report Data Extracted database (GARDEd). This file is 2 MB.
Assessment Report Geochemistry - GeoYukon	https://mapservices.gov.yk.ca/geoyukon/?scale=320000&center=371525.1936054914%2C696786.8833035536&layers=1UQ3ku3r6%2B2J1jZj6X0R7V1K	Yes	GeoYukon web map for viewing Assessment Report layers.

Revision History	
Finished Date	Comment
May 1, 2024	After the confidentiality period elapsed and data extraction for older reports recommenced, the latest release encompasses data from 354,296 surficial geochemical samples, an increase from the previously described 307,311 samples. This data was extracted from 408 assessment reports, reflecting a significant rise compared to the 311 reports released in February.

Related References					
Number	Reference Type	Document Type	Title	Year	Page(s)
YEG2023_4	Yukon Geological Survey	Annual Report Paper	Surficial geochemical data extracted from assessment reports: Development and initial release of the database	2024	