



## **Digitization of Mineral Assessment Reports**

The Alberta Geological Survey (AGS) conducted a project to make geoscience information in mineral assessment reports (MARs) readily available to the government, industry, and the public. The project involves digitizing data in MARs into standardized tabular format files accessible through any spreadsheet, database, or GIS software application. The data will be available for download on the AGS website.

MARs are produced by the mineral exploration industry as required by the Government of Alberta's *Metallic and Industrial Mineral Tenure Regulation*. They contain geological, geophysical, geochemical, drilling, and other mineral exploration-related activity data. Over 1000 MARs have been submitted to the Government of Alberta since 1949. The reports are available to the public in PDF form.

The geoscience information in these reports does not follow consistent layouts or naming conventions, making data sharing and the construction of databases cumbersome and time consuming. The digitization of MARs data into a standard tabular data format will facilitate data analysis to support decision making by the public.

Over one quarter of the reports were selected for digitization because they contain analytical data and geographic location. The selected reports contain geological, geochemical, mineralogical, or drilling data, with spatial reference attached. The AGS will use these digitized data to update its internal minerals database, create new publications, and update existing products such as the Alberta Interactive Minerals Map.

## **Highlights**

The AGS is converting data from selected reports into standardized tabular format readily accessible through spreadsheet, database, or GIS software to support public decision-making.

285
out of 1000
reports

were selected for digitization.

The selected reports contain geological, geochemical, mineralogical, or drilling data, with spatial location information available.



Reports contain over 70 years of geoscience information collected by industry across Alberta.

70 years



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# Digitization of Alberta's Mineral Assessment Reports 2022 Fast Facts

#### We reviewed:

70 years

of reports

473 reports have analytical data

and location

285

reports were selected for digitization

224

reports are from the years 2000–2021

30

different commodities

### We captured:

197

reports

1395 boreholes

or wells

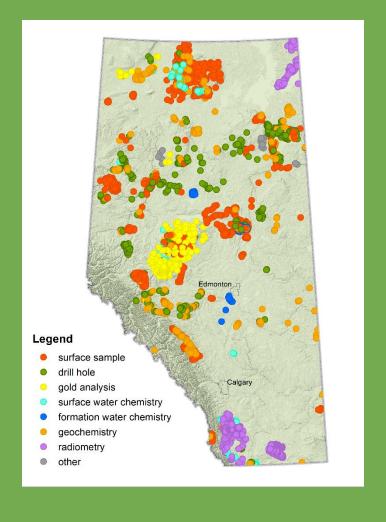
32 660

samples

79 908

metres of drill logs

168 146 analyte determinations



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