

Digitization of Mineral Assessment Reports

The Alberta Geological Survey (AGS) is conducting 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.

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.

One third of the reports were selected for digitization because they 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.



329

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



Visit the Mineral Mapping Program page

Digitization of Alberta's Mineral Assessment Reports Fast Facts

We reviewed:

70
years
of reports

473
reports have
analytical data
and location

329
reports were
selected for
digitization

244
reports are
from the years
2000–2021

30
different
commodities

Associated data:

6
AGS compilations
in preparation

>2600
boreholes
or wells

>70 000
samples

>200 000
metres of
drill logs

>850 000
analyte
determinations

