

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



Visit our website!

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

