

MnDNR Division of Lands and Minerals – Mineral Potential Section

Project #407 – Historical Airborne Geophysical Surveys on file at MnDNR

June, 2021

### **Project Overview**

This report describes activities directed at discovering, organizing and indexing historical hardcopy airborne geophysical surveys on file at the Minnesota Department of Natural Resources (DNR). One-hundred and thirty-three public domain hardcopy airborne geophysical surveys have been found on file, as recorded on 759 large format maps; accompanied by contractor reports, flight line profiles, and other contractor deliverables. The surveys cover 179,476 line-kilometers of acquired data (as digitized), on 9,080 flight lines. An additional 30 historical surveys have been identified that have insufficient record in DNR files to construct accurate summary descriptions or area of acquisition footprints.

### **Available Resources**

The project effort has produced geographic indexes (shapefiles) of survey footprints, flight line traces, and map tiles, plus a spreadsheet index of inventoried documents. Documents have been scanned to PDF/A format, and georeferenced TIFF images of large format maps have also been produced. [A report of the inventory work](#) includes background notes on airborne geophysical surveys in Minnesota, along with a zip file of the index shapefiles.