

This is a topographic map from the AEROMAGNETIC SERIES, showing a mountainous region. The map is oriented with North at the top. It features a grid of latitude and longitude coordinates. The latitude ranges from 58°00' to 58°15' North, and the longitude ranges from 95°00' to 95°30' West. The map shows several lakes, including Mack Lake, Wise Lake, and Herriot Creek. Contour lines are drawn at 20-foot intervals, with major contours labeled every 100 feet. The map is published by the U.S. Geological Survey, 1955.

PUBLISHED, 1955

WISE LAKE
MANITOBA

Scale: One Inch to One Mile = $\frac{1}{63,360}$

No correction has been made for regional variation.

The magnetic data on this map were compiled from information recorded along the flight lines shown. The anomalies expressed by the magnetic contours are dependent on the variable magnetic intensities of the underlying rocks, and may be due to conditions near, or at unknown depths below, the surface. High magnetic anomalies normally indicate the presence of basic rocks, such as diabase, gabbro, or serpentine, which have a relatively high iron content; but in special instances may be due, or partly due, to concentrations of magnetic ore minerals. By means of the magnetic anomalies, various rock bodies or structural features, such as faults or folds, may be traced by the geologist into, or across, areas of few or no outcrops. In many instances, however, no interpretation of particular anomalies may be possible without further geological information.

GEOPHYSICS PAPER 659

WISE LAKE

MANITOBA
SHEET 54 $\frac{L}{3}$



500 gammas.....
100 gammas.....
20 gammas.....
10 gammas.....
Magnetic depression.....

Flight line

Flight altitude: 1,000 feet above ground level



Air photographs covering this map-area may be obtained through the National Air Photographic Library, Topographical Surveys, Ottawa, Ontario.

