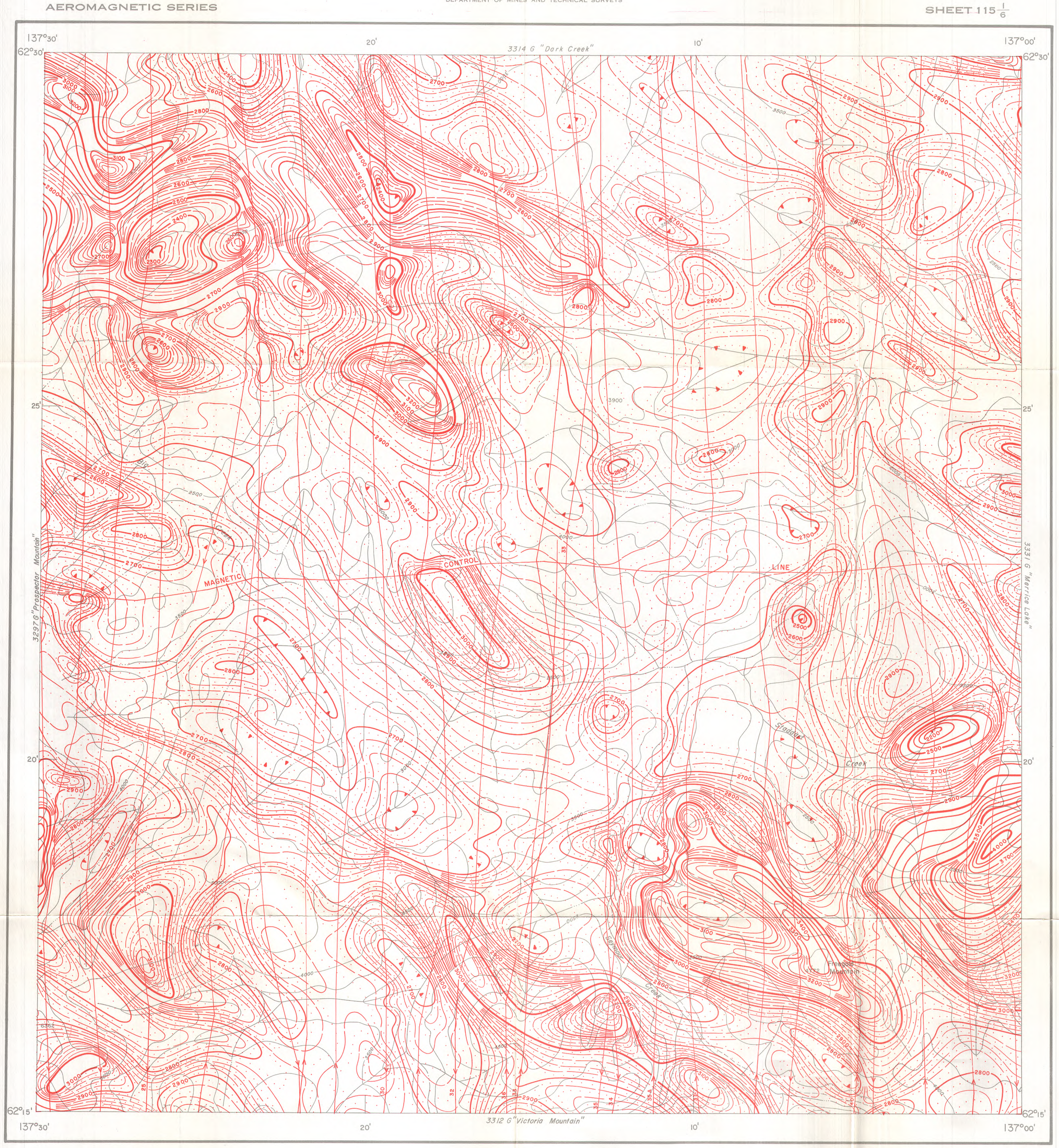
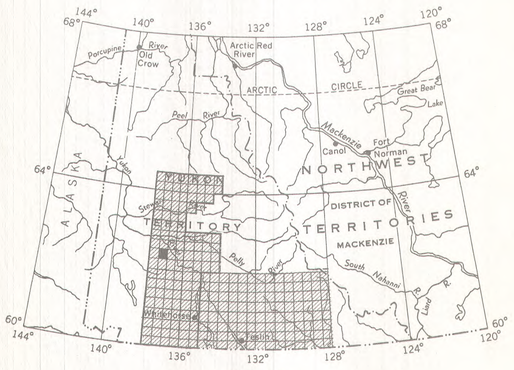
GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF MINES AND TECHNICAL SURVEYS

AEROMAGNETIC SERIES

SHEET 115 $\frac{1}{6}$



PUBLISHED 1966



INDEX MAP

ISOMAGNETIC LINES (total field):

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

Flight lines . . . . . .

Flight altitude: nominally 1000 feet above ground level where terrain permitted.

MAP 3313G

FREEGOLD MOUNTAIN

YUKON TERRITORY

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

Miles

1 ½ 0 1 2 3

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

Copies of this map may be obtained from the Director, Geological Survey of Canada, Ottawa.

Airborne Magnetic Survey, June 1964 to February 1966, by Canadian Aero Service Limited, Ottawa.

No correction has been made for regional variation

The planimetry for this map was obtained from topographical map sheets published by the Department of Mines and Technical Surveys.

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 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 3313

FREEGOLD MOUNTAIN

YUKON TERRITORY

SHEET 115 $\frac{1}{6}$