TREK PROJECT: NEW AIRBORNE MAGNETIC DATA

TARGETING RESOURCES THROUGH EXPLORATION AND KNOWLEDGE

TREK PROJECT

The TREK (short for Targeting Resources through Exploration and Knowledge) Project is Geoscience BC's latest major mineral geoscience initiative. The project is designed to help attract mineral exploration and investment to BC's northern Interior Plateau/ Nechako region, increase the understanding of the region's mineral potential, and provide local First Nations and communities with more information on the geology of the region. The project area stretches south from Fraser Lake and Vanderhoof to Anahim Lake, and extends west from Quesnel.

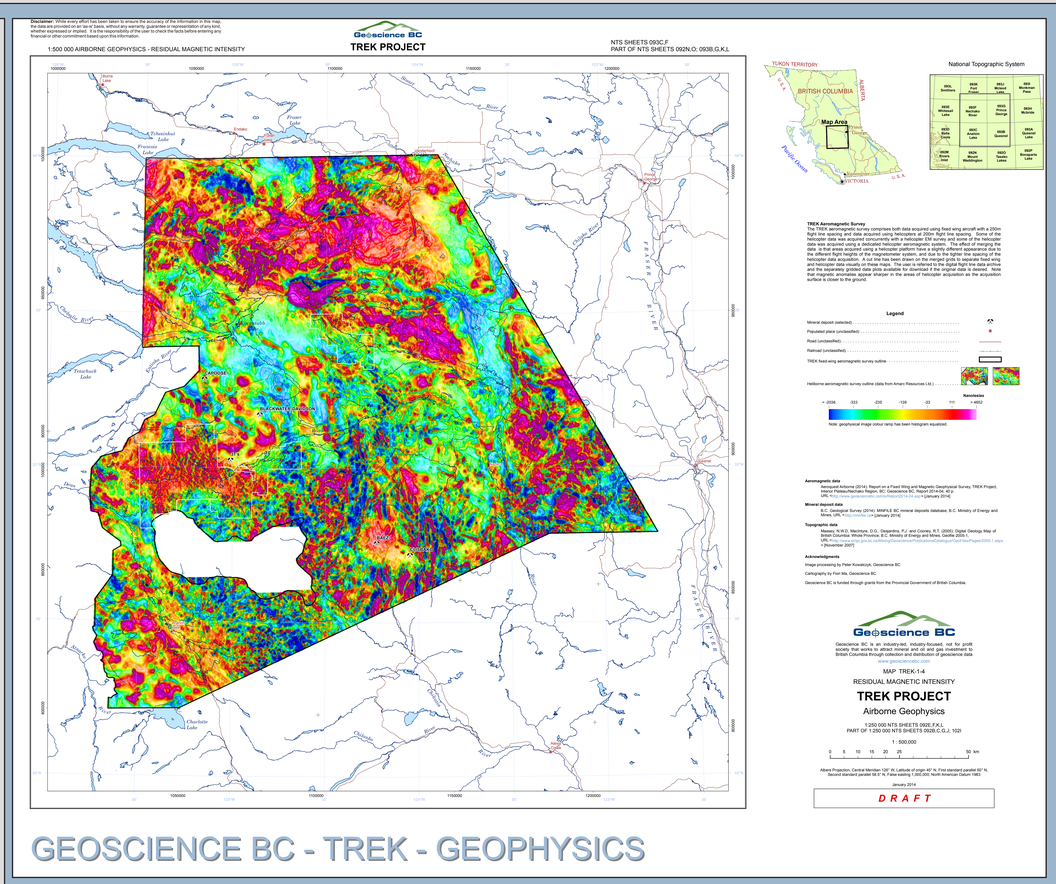
The more than 24,000 square kilometre project area includes the active Blackwater Gold District. Project partners include the Nazko First Nation, the Ministry of Energy and Mines (BC Geological Survey), the Mineral Deposits Research Unit at the University of British Columbia, PK Geophysics, Noble Exploration Services Ltd. and Aeroquest Airborne Ltd.

The TREK airborne magnetic survey was a fixed-wing survey flown by Aeorqest and includes magnetic survey data purchased from Amarc Resources Ltd., which was merged with the larger fixed-wing survey. Smaller airborne magnetic survey blocks within the Blackwater Gold District were also purchased from RJK Explorations Ltd. and Deveron Resources Ltd. to add high resolution information to the public domain in this area of high interest.

The TREK Project has several components: an airborne magnetic survey, a regional geochemical program, local geothermal and biogeochemical programs, and a geology and integration program.

AIRBORNE MAGNETIC SURVEY

The geophysical survey was flown by Aeroquest Airborne Ltd. from August through November 2013. The block was flown in an east to west direction with line spacing of 250 m. Tie lines were flown perpendicular to the traverse lines at a spacing of 2500 m. It was flown using a controlled drape over the terrain at a mean altitude of 163 m. The survey acquired nearly 103,389 line kilometres of data.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Geoscience BC
TREK PROJECT
1:500 000 AIRBORNE GEOPHYSICS - RESIDUAL MAGNETIC INTENSITY
NTS SHEETS 093C,F
PART OF NTS SHEETS 092N,O; 093B,G,K,L
Fraser Lake
Vanderhoof
Quesnel
Anahim Lake
Nazko
Quesnel River
Nechako River
Chilcotin River
Blackwater River
Charlotte Lake
Tatuk Lake
Tatuchunli Lake
Eliguk Lake
Eliguk River
Chilanko River
Chilanko Forebay
Chilanko River
Dean River
Bella Coola
Anahim Lake
Nazko
Quesnel
Vanderhoof
Fraser Lake
Prince George
Williams Lake