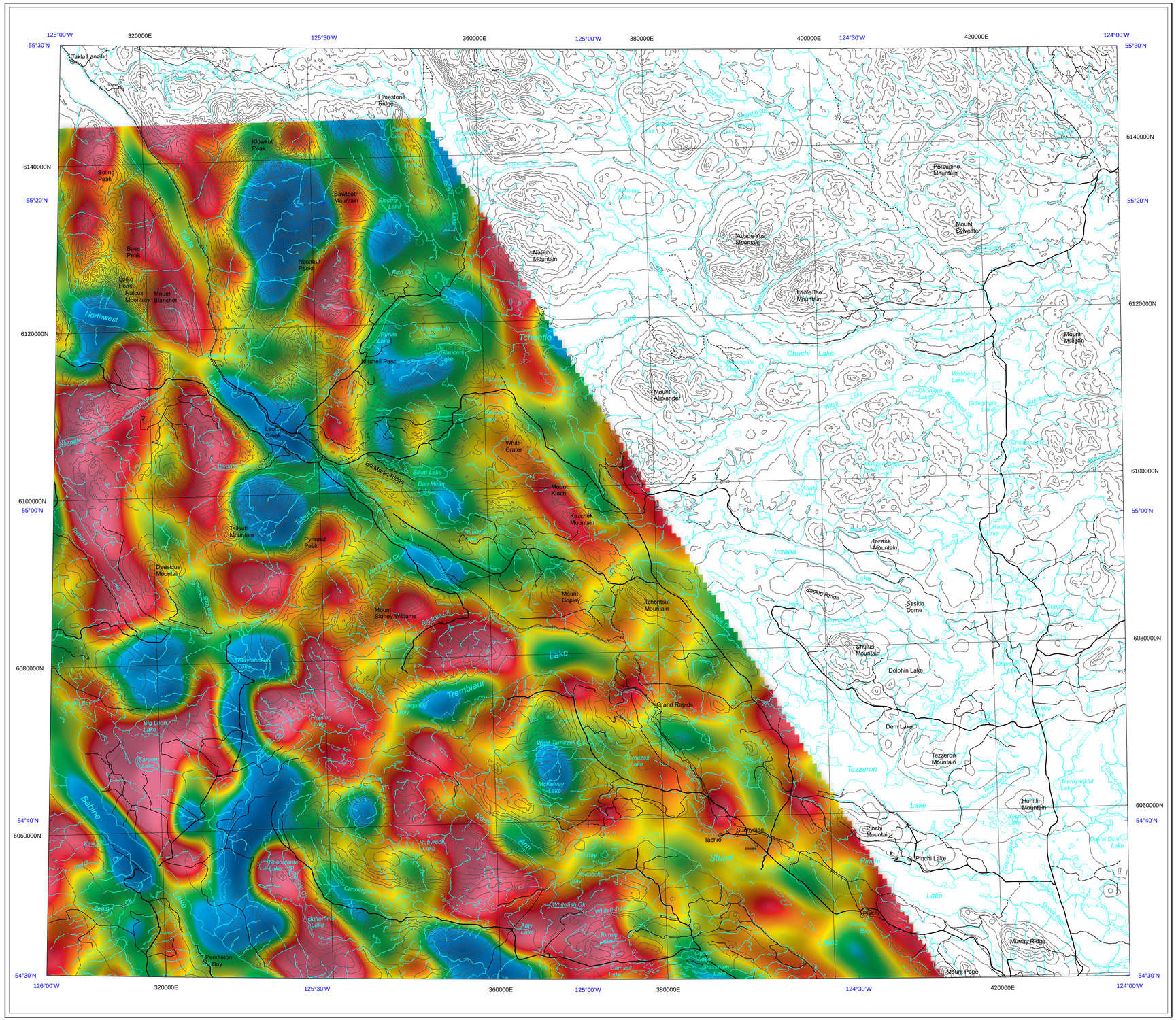
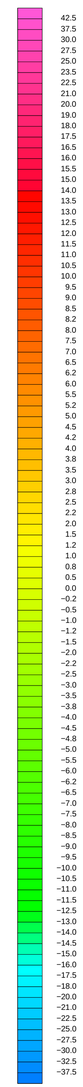




Geoscience BC

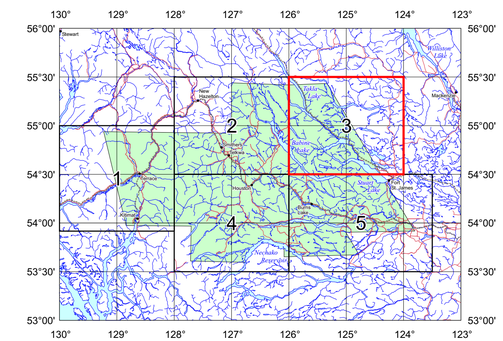
High Resolution Airborne Gravity Survey

Quest West Project Area, British Columbia - 2008

MAP 3

First Vertical Derivative of the Terrain Corrected Bouguer Gravity with Shadow (Eötvös)

Illumination: Inclination 70°, Declination 135°



Map Index

Survey and Processing Specifications

Traverse Line Spacing	2000 m
Traverse Line Direction	along bearing: 90° - 270°
Control Line Spacing	17000 m
Control Line Direction	along bearing:150° - 330°
Aircraft Altitude	200 m above drape
Flying Speed	90 knots
Gravimeter Sensor	Sander Geophysics' AIRGrav
Gravimeter Sensitivity	0.1 mGal
Gravimeter Sample Rate	128 Hz
Aircraft Positioning	Omnistar Real-time Differential GPS
GPS Receiver	NovAtel Millennium, 12 channel, dual frequency
Aircraft	Eurocopter AS350-B3, C-GSGH
Density used for Bouguer and Terrain Corrections	2.67 g/cm^3
Gravity Data Spatial Filter (Half Wavelength)	0% Pass @ 2250 m, 100% Pass @ 4500 m, Mid-point 3000 m
GPS Ground Station 1 (WGS-84)	54°49'08.1079"N, 127°11'07.2396"W, 522.0241 m
GPS Ground Station 2 (WGS-84)	54°49'08.0878"N, 127°11'07.4765"W, 522.0926 m
Dates Flown	May - July, 2008
Grid Cell Size	500 m
Datum	NAD83
UTM Zone	10N

Scale 1 : 250 000

km 5 0 10 20 km

First Vertical Derivative of the Terrain Corrected Bouguer Gravity with Shadow (Eötvös)

MAP 3

High Resolution Airborne Gravity Survey
Quest West Project Area, British Columbia - 2008

AIRGrav
Airborne Inertially Referenced Gravimeter

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