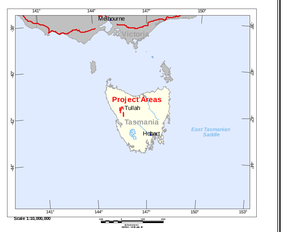
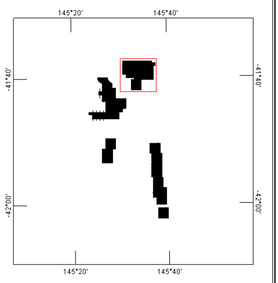
GEOTECH LTD.

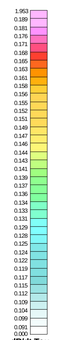


SURVEY SPECIFICATIONS:
Survey Date: December 10th, 2012 - February 7th, 2013
Survey Base: Tullah, Tasmania, Australia
Aircraft: Aerospatiale A-Star 350 B3 (VH-VTX)
Survey Line Spacing: 100 meters
Survey Line Direction: N 90° E / N 270° E
Tie Line Spacing: 1000 meters
Tie Line Direction: N 0° E / N 180° E
Mean Terrain Clearance: 117 meters
EM Transmitter Loop: Towed at an average terrain clearance of 35 meters below the helicopter
Magnetic Sensor: Towed at an average terrain clearance of 13 meters below the helicopter

INSTRUMENTS
Geotech Time Domain Electromagnetic System (VTEM)
Concentric Rx/Tx Geometry
X-Coil Loop: Diameter 0.32 Meters
Z-Coil Loop: Diameter 1.2 Meters
Transmitter Loop: Diameter 26 Meters
Dipole Moment: 397,135 nIA
Transmitter Wave Form: Trapezoid, Pulse Width 7.34 ms, Base Frequency 25 Hz.
Geometrics High Sensitivity Cesium Magnetometer
Mag Resolution: 0.02 nT at 10 samples/sec

MAP PROJECTION
Datum GDA94
Projection method: Map Grid of Australia zone 55
Central Scale Factor: 0.9996
False: Easting/Northing: 500,000m/10,000,000m
Major Axis: 6378137.000
Inverse Flattening: 298.25722





TOPOGRAPHIC LEGEND:
Contours
Power lines
Railways
Roads
Rivers / Lake Outlines
Lakes / Ponds
Mining Leases

Scale 1:10000
100 0 100 200 300 400 500
(meters)
GDA94 / MGA zone 55

The topographic data base was derived from Australian Government:- Geoscience Australia at 1:250,000 scale (https://www.ga.gov.au).
Background shading is derived from NASA SRTM(Shuttle Radar Topography Mission) data.
Inset data derived from Natural Earth 1:10,000,000 database (http://www.naturalearthdata.com/downloads/).
Mining Licences was derived from Mineral Resources Tasmania - Department of Infrastructure, Energy and Resources (http://www.mrt.tas.gov.au/portal/page?_pageid=35,831107&_dad=portal&_schema=PORTAL)

Yunnan Tin Australia TDK Resources Pty Ltd
EL32/2010
Tullah, Tasmania, Australia

Geotech VTEM System
dB/dt Calculated Time Constant (Tau)
with contours of anomaly areas of the
Calculated Vertical Derivative of RTP

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April 2013

Geotech Project# 4A1362