
Appendix G

Gravity Surveys for the Zeehan Area 2006

Solo Geophysics and Co.

SOLO GEOPHYSICS & CO.

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GRAVITY SURVEYS ZEEHAN AREA, TASMANIA
For
ZEEHAN ZINC LIMITED
3/65 Murray Street, HOBART
Period from MARCH 16th to MAY 30th 2006





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The Crew:

A combined GPS and gravity survey was carried out during the months of March to late May by surveyors Brian Rau and Claudius Reiman of Solo Geophysics & Co. and the all weather vehicle.



GRAVITY BASE CONTROLS ZEEHAN:

Main base location on highway turnoff to Zeehan

Location:



Shed:



Ground marker:



Meter Location on control station:



Gravity Base # 8451.9011

Value Isogal65 980298.00 mGals
AMG66 Zone55 366000E 5362300N

Solo accurate GPS tie from Zeehan survey station ST1115
AMG66 Zone55 365994.98E 5362256.83N 186.12m

Heemskirk Motel gravity base control near room 36



Base 111111
Solo local all weather gravity station tied to highway.
Value Isogal65 980310.14 mGals



Motel station location.

RTK GPS CONTROL STATIONS FOR SURVEY GRIDS



Main Base station ST1115

Location on hill behind Zeehan museum, east of big headframe, use GPS coordinates to find, red marker poles define location see map pages.



**Main Base station ST1115
Coordinates AMG66 Zone 55**

Site		ST 1115			
Horizontal Information for					
South Latitude	East Longitude	ST 1115 Zone	Easting	Northing	Convergence
41 52 46.6459	145 20 26.5926	55	362321.576	5362257.814	-1 06 28.2795
Datum		Geocentric Datum of Aust 1994			
Survey Class		Class A			
Order		First			
Job Details		DPIWE 5527 5527			
Vertical Information for					
Height	ST 1115 219.847				
Datum	Aust Height Datum (Tas) 1983				
Survey Class	Third order levelling				
Order	Third Order Differential				
Job Details	DPIWE L0950A L1092				
Mark Details for					
Description	ST 1115 Stainless steel rod in rock with bronze GPS plaque				
Reference Marks	RMs 1 & 2 are stainless steel pins in rock. VR mark ST 1115 RM1: RL 221.648 Datum AHD83, Class LEV, Order L3, Agency DPIWE, Adjustment L0950A, Job L1092 VR mark ST 1115 RM2: RL 219.924 Datum AHD83, Class LEV, Order L3, Agency DPIWE, Adjustment L0950A, Job L1092				
Locality	Approx 150m north of Andersen Street Reservoir Reserve, Zeehan.				
Grid Bearing and Distance from					
Convergence	ST 1115 -1 06 28.2795		(azimuth is grid bearing minus convergence)		
Site Name	ID	Target	Grid Bearing	Spher. Dist.	
ZEEHAN MT	HEC BM 4766	BCN	194 40 54.5	5435.236	
Site Access for					
Access By	ST 1115 Two wheel drive				
Other Information for					
Location/reference mark diagram(s)	ST 1115 2 available				

Station ST115 location details:

