

Geophysics

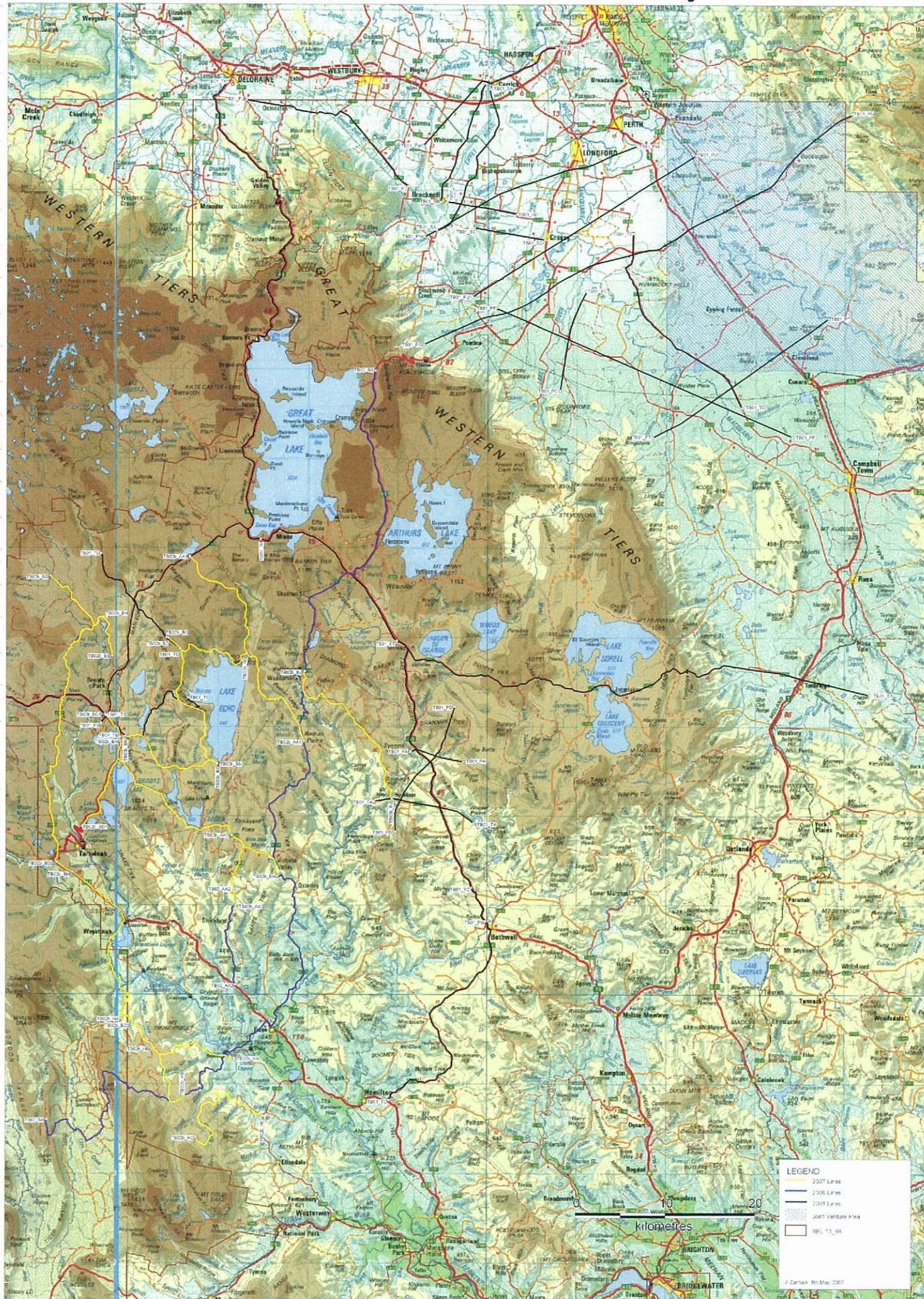
-Seismic

-Acquistion

-Interpretation

-Processing

Great South Land Minerals - Seismic Survey Lines



RECORDING PARAMETERS/GSLM

Vibroseis Source

Acquisition Type:	Sercel 388 - 24 Bit Telemetry System
Energy Source:	3 x Input-Output 42,000lb Peak Force 6x6 Truck mounted Vibrators Online
Vibrator Point Interval:	20 metres
Vibrator Array:	15 m Pad-Pad / No Moveups
Vibrator Array Location:	Centred on Station Pegs (Centred at SP 100)
Receivers:	12 x 10 Hz SM24 Geophones / Group
Receiver Interval:	20 metres
Receiver Array:	20 metres (12 phones with 1.67m phone spacing)
Receiver Array Location:	Centred between Stations (Centered at SP 100.5)
Sweep Length:	12 sec Sweeps
Number of Sweeps:	2 x 12 second sweeps / VP
Sweep Type:	Monosweep
Sweep Frequencies:	6-140 HZ
Sweep Taper:	200 msec Taper
Sweep Energy per Km:	1200 sec/km or 800 sec/km (see GSLM)
Sweep Control:	Pelton Advance 2 Model 5
Accelerometers:	Pelton M5 High Performance
Similarity System:	Pelton VIBRA-SIG
Peak Force:	44,000 lbs
Hold Down Weight:	44,200 lbs
Vibrator Drive Level:	Force Control On - 80% Peak Force
Phase Lock:	Ground Force Phase Lock
No. of Channels:	300 Channels
Spread Geometry:	Symmetric Split Spread
Maximum Offset:	2990 - 10 - 0 - 10 - 2990 metres
Fold:	150 Fold with 10m CDP interval
Record Length:	6.0 seconds
Correlation Sample Rate:	2 milliseconds
Written to Tape S.R.:	2 milliseconds
Output Data Format:	SEG D