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Annual Report for the Period October 1998 to
September 1999 - Mt Sale - EL 14/98
Pasminco Exploration*
Parfrey, O. EL14/98

EL14/98

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PASMINCO EXPLORATION

MT SALE EL 14/98

ANNUAL REPORT FOR THE PERIOD
OCTOBER 1998 TO SEPTEMBER 1999

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Submitted To: Group Geologist - Mining Districts

Copies To: Mineral Resources Tasmania - Hobart
Pasminco Exploration, Melbourne
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1. SUMMARY

This report details exploration completed on the Mt Sale licence (EL 14/98) during the first year of tenure. Work completed on the Licence by Pasminco during this period has been relatively minor as efforts have been focused on deep drill testing of the Rosebery ore position near the western margin of the tenement, and exploring for base metal mineralisation within the Farrell Slates to the east of the Mt Sale licence.

Work completed on the Mt Sale licence during the reporting period has included a brief geological data and previous exploration review and a small Partial Leach soil sampling programme along three lines in the west of the tenement. The partial leach soil sampling was completed as part of a larger survey conducted over the northern portion of the Rosebery Mine Lease and Mine Lease Extension areas.

No significant anomalies were identified as part of this exploration program and no further work is recommended in the area covered by the soil geochemical survey.

2. INTRODUCTION

This report details exploration activities completed by Pasminco Exploration on the Mt Sale (EL14/98) tenement during the first year of tenure.

Exploration completed during the period has included a Partial Leach soil sampling survey and brief review of historical data. The partial leach soil sampling program was undertaken as part of a larger orientation survey across the Rosebery Mine Lease and Mine Lease Extension areas. Sampling over the western portion of the Mt Sale licence was completed to establish a background response around the Rosebery deposit.

Work currently planned for the second year of tenure will focus on identifying and testing the Rosebery ore position in the Bastyan Dam area and will include:

- Extending the coverage of partial leach soil sampling over the northern portion of the Mt Sale area.
- Additional geological mapping in the Bastyan Dam area
- Capture of all historic geochemical, drilling and geophysical data
- Incorporation of recent and historic drill hole data and surface geochemical data into the 3D FracViewer Model.

3. LAND TENURE

Mt Sale EL 14/98 covers an area of approximately 34 square kilometres immediately to the east and north of the Rosebery Mine Lease (28M/93), Figure 1. The tenement was granted to Pasminco Australia Ltd. on 10th October 1998 for a period of five years. The tenement is due to expire in September 2003. The Mt Sale tenement area has been previously held under a number of other exploration licences including Mt Black (EL 1/62 and EL 12/88). The western boundary of the tenement overlaps with the Rosebery Mine Lease Extension (28m/93) and the eastern margin abuts Pasminco's Tullah (EL 22/90) licence.

4. GEOLOGY

The Mt Sale tenement covers an area of lower Cambrian Central Volcanic Sequence rocks, which form part of the central north-south trending axis of the Mt Read Volcanic belt (MRV), Figure 2. The western edge of the tenement is situated to the east the Rosebery mine sequence, while the eastern margin of the licence lies west of the NNE trending Henty Fault. The Mt Sale licence is centred on the Mt Black Volcanics which form the central axis of the MRV in the Rosebery area. The Henty Fault separates the Mt Black Volcanics from a sequence of west-dipping and facing fine interbedded sediments and black shales - the Farrell Slates which outcrop to the east of the fault. Stratigraphically below and east of the Farrell Slates are the rhyolitic to dacitic Murchison Volcanics, which form part of the Eastern Quartz Phyric Sequence of McNeill & Corbett, 1992. These rocks are comprised of felsic/intermediate lavas, sills and volcanoclastics and are intruded by the chemically similar Cambrian Murchison Granite. Unconformably overlying this Cambrian volcanic succession is the Ordovician Owen Conglomerate.

Geology of the Mt Sale licence is dominated by the Mt Black Volcanics, a thick sequence of mafic to intermediate dacite and andesite lavas, lava breccias and related intrusions which are separated by relatively minor horizons of fine to coarse grained volcanoclastic sediments. Lying along the eastern flank of Mt Black, in the Sterling Valley/Lake Rosebery area, there is an enigmatic wedge of west facing basaltic lavas, mass flow breccias, minor clastic sediments and basaltic to dacitic sills - collectively referred to as the Sterling Valley Volcanics (Allen 1995). This sequence is at least 500m to 1km thick and consists of medium to high K, high alumina arc suite mafic volcanics (Allen 1995). Allen interprets this succession of intrusive basaltic sills and transported volcanic debris flows which make up the Sterling Valley Volcanics to be deposited sub-aqueously, as part of either a major mafic volcano or series of mafic volcanoes. The Sterling Valley Volcanics comprise a relatively minor portion of the Mt Sale Licence.

The Sterling Valley Volcanics and Mt Black Volcanics are interpreted to be in primary stratigraphic position, with the Sterling Valley Volcanics dipping and younging to the west under the Mt Black Volcanics Allen (1995). The regional significance of this relationship is that the Sterling Valley Volcanics probably represent a structural relic of a large marine mafic volcano which was active in the early volcanic history of the MRV and is probably the lowest exposed stratigraphic level in this area.

The Mt Black Volcanics structurally overlie the Rosebery mine sequence, east of the Rosebery orebody. They have strong chemical similarities to the feldspar phyric pumice breccias in the Rosebery Footwall sequence and have therefore have been correlated with them by a number of authors. The most significant difference between the Mt Black Volcanics/Rosebery mine Footwall sequence and Host/Hangingwall sequence is the absence of volcanic quartz in both the Footwall or Mt Black Volcanic sequences. The contact between the Rosebery Hangingwall and Mt Black Volcanics dips to the east

at 45 degrees sub parallel to the Rosebery Fault. This contact is interpreted to be a thrust fault (the Mt Black Fault) which has placed the Mt Black Volcanics west over the Rosebery Mine sequence.

5. PREVIOUS EXPLORATION

Part of the current Mt Sale tenement area has been previously explored under the Mt Black EL 1/62 held by the Electrolytic Zinc Co. of Australasia and various JV partners between 1962-1988, and Mt Black EL 12/88 between 1988-1995 (Austmin Resources/Climax Mining JV and Austmin Resources/Pasminco Australia Ltd JV). Table 1 provides a summary of important work undertaken specifically within the Mt Sale area (Saxon, 1995).

Table 1: Summary of Previous Exploration

YEAR	COMPANY	WORK COMPLETED	RESULTS
1979	EZ-Getty	Gradient array IP, magnetics - Mt Black, Langdons, Mt Sale areas	Numerous IP responses recorded.
1979	EZ-Getty	Dipole-dipole IP - Mt Black, Mt Sale areas	IP responses downgraded.
1979	EZ-Getty	Aeromag, photogeol, INPUT EM, general IP, magnetics, soil geochem, mapping - Cutty Sark, Mt Sale areas	Soil anomalies, mag anomalies Cutty Sark area.
1980	EZ-Getty	Mapping, soil geochem, gradient array IP - Langdons, Mt Sale areas	Several anomalies outlined in Mt Sale area
1981	EZ-Getty	IP, soil geochem, pits - Mt Sale area	No significant anomalies recorded
1989	Austmin	Diamond drillholes MBD1-4, targeting weak UTEM responses	Holes all intersected barren lavas
1991	Pasminco-Austmin JV	Diamond drillhole BY1 (562.45m), sthn shore of Lake Rosebery near Bastyan Dam	No significant mineralisation or host rocks were intersected. Traces of Zn & As intersected in black shale and limestone bands. Best intersections; 0.5m @ 2.1% Zn, 0.1% As & 13.5m @ 0.5% Zn.
1991-92	Pasminco-Austmin JV	Diamond drillhole BY2 (412.5m), nth shore of Lake Rosebery beneath nth abutment of Bastyan Dam.	No sulphides or significant alteration zones were intersected. Minor disseminated & vein-style pyrite was widespread in the volcanics. Best intersection was 1.05m @ 0.12% Pb & 0.16% Zn

Table 1: Summary of Previous Exploration (cont)

YEAR	COMPANY	WORK COMPLETED	RESULTS
1991-92	Pasminco-Austmin JV	Re-logging of Austmin diamond holes MBD 1-4, including mag sus & density measurements.	All holes were shown to have intersected the same geology; massive thick dacitic lava flows with 2 zones of juvenile volcanoclastic material of identical composition to the lavas.
1991-92	Pasminco-Austmin JV	DHEM Survey DDH BY1	No off-hole conductors detected.
1991-92	Pasminco-Austmin JV	Geological mapping & rock sampling in Bastyan Dam area	N/A

As noted in Table 1, two diamond holes have been previously drilled by Pasminco in the vicinity of the Bastyan Dam (Purvis, 1992). Both holes, BY1 and BY2, were designed to test for the source of the massive base metal sulphide rafts that were found to occur in the Hangingwall Epiclastics close to the Bastyan Dam, and for the possible occurrence of the Rosebery host rocks just above the Rosebery Fault (Purvis, 1992).

DDH BY1 (Purvis, 1991)

Diamond hole BY1 (562.45m) was collared in the Mt Black Volcanics on the southern shore of Lake Rosebery near Bastyan Dam. The hole passed through the Upper Thrust (Mt Black Fault) at 60m and into the Hangingwall Epiclastics (HW Epiclastics). No sulphide bodies or clasts, equivalent to those observed on the surface, were encountered within the HW Epiclastics. The only mineralisation intersected in this sequence was minor Zn values in a band of black calcareous shale (13.5m @ 0.5%Zn & 0.02% As).

A highly disturbed zone, which correlated with the Subsidiary Thrust on the surface, was encountered at 282m. The hole then passed into a sequence atypical of the HW Epiclastics, comprising normal HW-type crystal-lithic sandstones interbedded with carbonate-cemented quartzo-feldspathic sandstones and impure limestones, which are similar to Dundas Group sediments found west of the Rosebery Fault. This intermixture of units was interpreted to be a primary depositional feature and not structural in origin.

Minor disseminated pyrite-sphalerite-arsenopyrite was found to be concentrated in thin limestone stretched-pebble conglomerate bands and calcareous shale within this sequence. Best intersection was 0.5m @ 2.1% Zn, 0.1% Pb and 0.1% As. There were also several zones of up to 2m @ 0.7% Zn.

The Rosebery Fault was intersected at 508m, at an RL approximately 100m higher than expected. The 1.25m unmineralised zone of brecciation and crushing had a dip of 25°E within the hole, which is considerably less than the 38°E dip displayed by the fault at surface in this area. This change in dip with depth indicates that the Rosebery Fault is listric.

West of the Rosebery Fault the hole cut highly deformed black graphitic and pyritic Chamberlain Shale and the Stitt Quartzite, both units of the Dundas Group. Above the Rosebery Fault the sequence within the hole dips 50-70°E. Apart from local reversals around visible folds in some shale bands, facings are to the east, indicating the sequence is upright. No Host Rocks were encountered within DDH BY1 and the limestones and quartzo-feldspathic sandstones found in the hole have not been observed at the surface.

A DHEM survey was conducted on DDH BY1. Survey results indicated that there were no off-hole conductors in the vicinity of DDH BY1 (Purvis, 1992).

DDH BY2 (Purvis, 1992)

Diamond hole BY2 was again collared in Mt Black Volcanics (bleached dacitic lavas), close to the northern abutment of the Bastyan Dam. The hole passed into the HW Epiclastics at 178.6m without encountering the Mt Black Fault, however slightly increased ductile deformation was noted in the units 10-15m either side of the contact.

The hole passed through approximately 190m of altered crystal-lithic sandstones and fine breccias, which comprise the debris flows of the HW Epiclastics. Facings within the HW sequence indicate the presence of a large anticlinal fold (the Rosebery Axis), with repetition of units in the lower part of the hole. The Rosebery Fault was intersected at 365.65m, at a level higher than expected (as per hole BY1), indicating the overall low-angle easterly dip of this fault in the area north of the Rosebery Mine.

The only other significant drilling undertaken in the Mt Sale tenement area were four diamond holes drilled by Austmin in 1989. Holes MBD1 -4 targeted UTEM anomalies, which were highlighted as a result of a review and re-interpretation of existing Billiton UTEM data across the pre-existing Mt Black EL 1/62. The holes encountered a sequence of massive, variably altered dacitic lavas and minor breccias. No sediments were present in any of the holes and sulphide mineralisation was restricted to surface coatings on fracture surfaces and to quartz-chlorite-calcite veins (Hine & Scott, 1989). The UTEM anomalies were subsequently attributed to contrasts in rock type imposed by shearing and fracturing. These holes were later re-logged and re-sampled by Pasminco (Purvis, 1992).

6. WORK COMPLETED OCTOBER 1998 - SEPTEMBER 1999.

Work completed by Pasminco on the Mt Sale tenement during the reporting period has focused primarily on the western margin of the tenement close to the Mt Black Volcanics /Rosebery Mine sequence contact. Ground work has consisted of partial leach soil sampling which was undertaken as part of a larger orientation survey carried out over the adjoining Rosebery Mine Lease.

6.1 Partial Leach Sampling

A total of eighty three (83) partial leach soil samples were collected along five east/west grid lines spaced approximately 200m apart. Samples weighing approximately 500g were collected from a depth of 20cm at intervals of 40m. Samples were sent to Amdel in Adelaide for analysis using the Deepleach 37 partial leach method. A multi-element analysis was completed for Ag, As, Au, Ba, Cd, Co, Cu, Mo, Ni, Pb, Sb & Zn. Analytical results are presented in Appendix 1 and sample locations are shown in Figure 3.

Analytical results from this sampling programme were generally low in tenor with most data falling within the background population of the soil survey. No areas of significant anomalism were identified in the partial leach data over the area sampled on the Mt Sale Licence. No follow up work for the soil sampling survey is recommended at this time.

7. CONCLUSIONS AND RECOMMENDATIONS

Exploration completed on the Mt Sale Tenement during the first year of tenure has focused on the western margin of the tenement. Work completed has been restricted to three lines of partial leach soil sampling. Analysis of these data have not identified any anomalous responses in the area covered by the survey. Subsequently no follow up work is recommended in this area at the current time.

It is recommended that exploration efforts during the second year of tenure are focused on identifying and testing the Rosebery mine sequence in the Bastyan Dam area. Work to be completed should include;

1. Extending the coverage of partial leach soil sampling over the northern portion of the Mt Sale area. Sampling should cover the interpreted strike extent of the Rosebery Mine sequence in the Bastyan Dam area, and the area east of the Mt Black Fault as far north as the southern shore of Lake Rosebery.
2. Additional geological mapping should be completed in the Bastyan Dam area to accurately determine the stratigraphic position and origin of the massive sulphide clasts at Bastyan Dam spillway and to assist with refining the 3D geological model of the area.
3. All historic geochemical, drilling and geophysical data should be captured and incorporating into Pasminco's database.
4. Resent and historic drill hole data and surface geochemical data should be incorporating to the 3D FracViewer Model.

The central portion of the licence area does appear prospective for massive base metal mineralisation, given our current geological understanding of the area. Compilation of historic data and refinement of the 3D model for the Mt Black area may, however identify future target for exploration within the central and eastern portion of the licence area.

8. EXPENDITURE

Expenditure on the Mt Sale Licence during the period October 1998 to end of August 1999 totalled \$7,549. A summary of the expenditure distribution is tabulated below.

Personnel	1,494
Travel and Accommodation	58
Geochemical Consultants & Assays	3,167
Other Contractors	1,082
Drilling Contractors	1
Stores & Supplies	209
Vehicles Plant & Equipment	58
Land	969
Computing	50
Office	386
Administration Fee 10%	75
<hr/>	
Total Tenement Expenditure	7,549

The proposed expenditure for the second year of tenure is \$19,000. This will comprise \$15,000 for partial leach soil sampling, \$2,000 for data capture and 3D modeling and \$2,000 for administration, office costs and land.

9. **KEYWORDS AND LOCALITY**

Keywords

Mt Sale, Mt Black, Bastyan Dam, Partial Leach

Locality

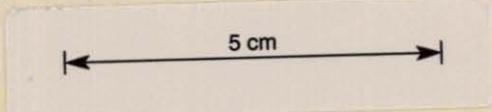
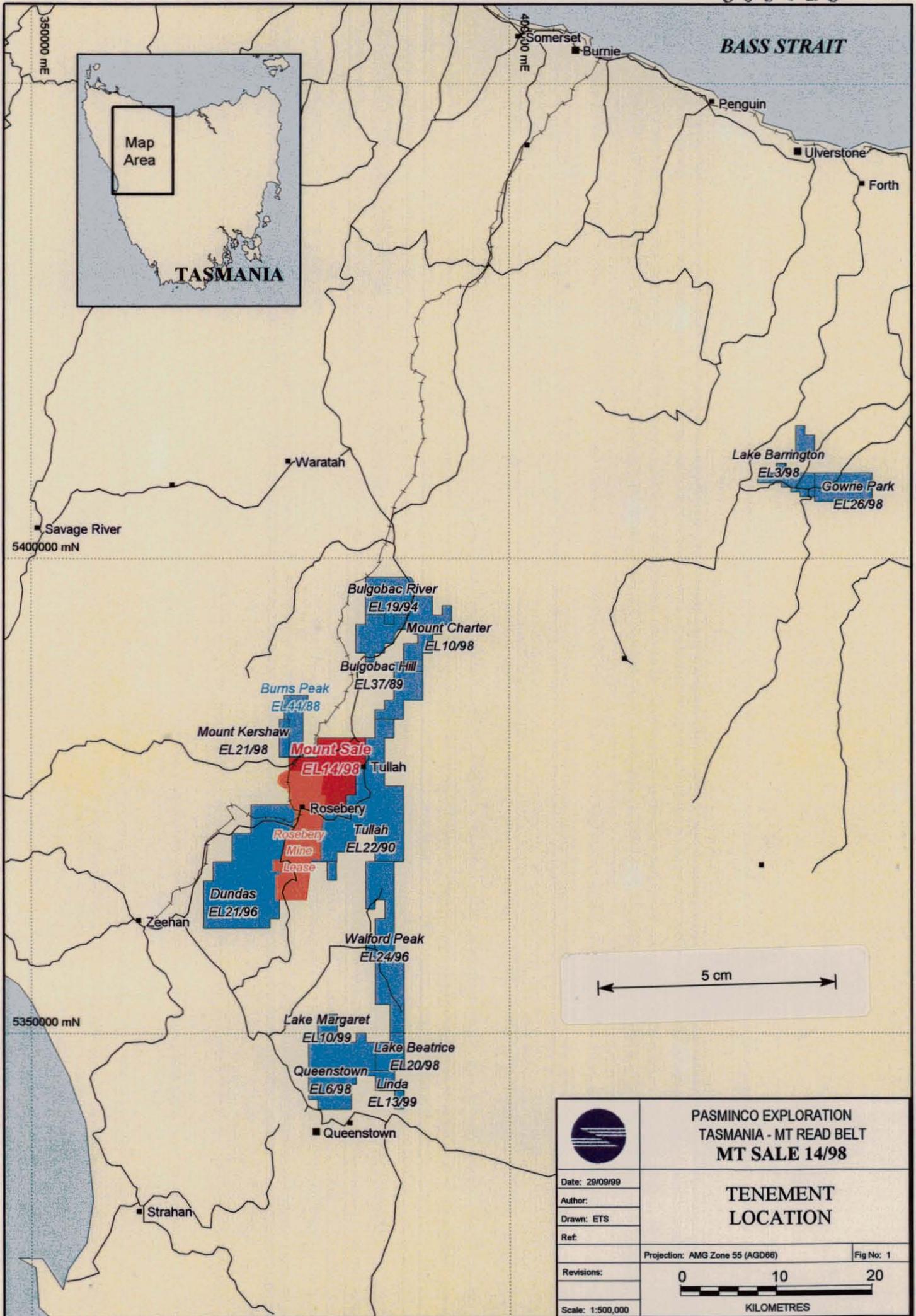
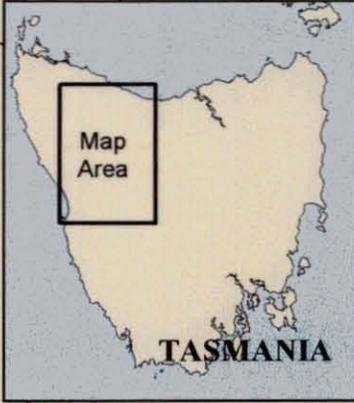
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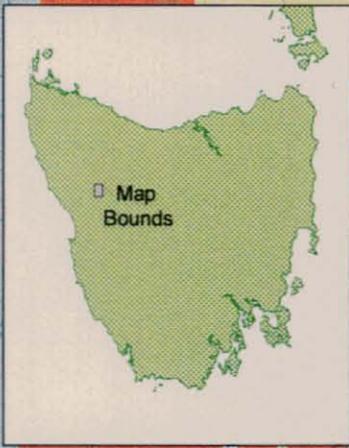
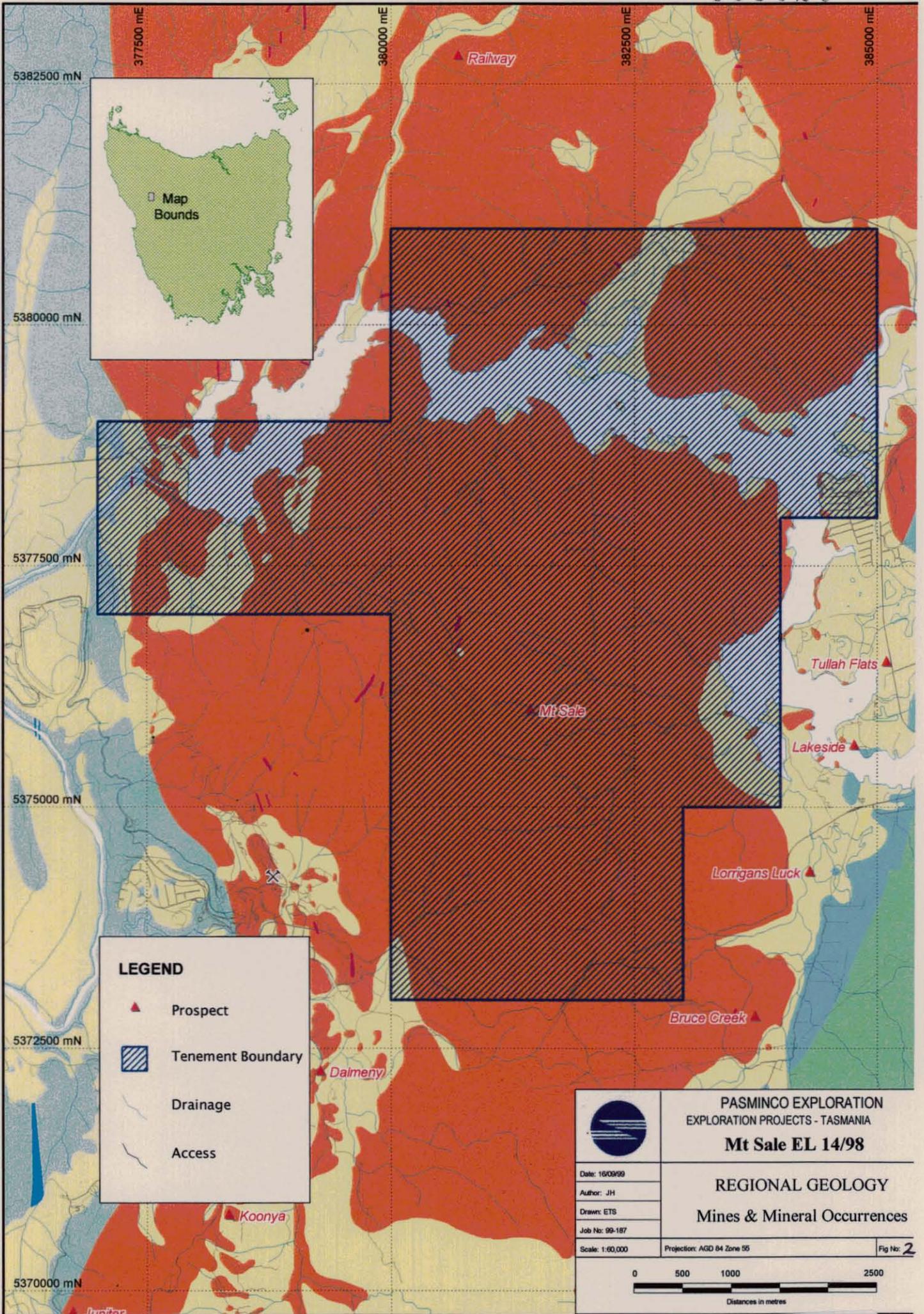
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BASS STRAIT



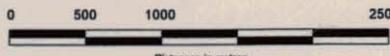
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Drawn: ETS	Fig No: 1	
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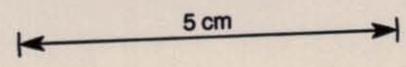
LEGEND

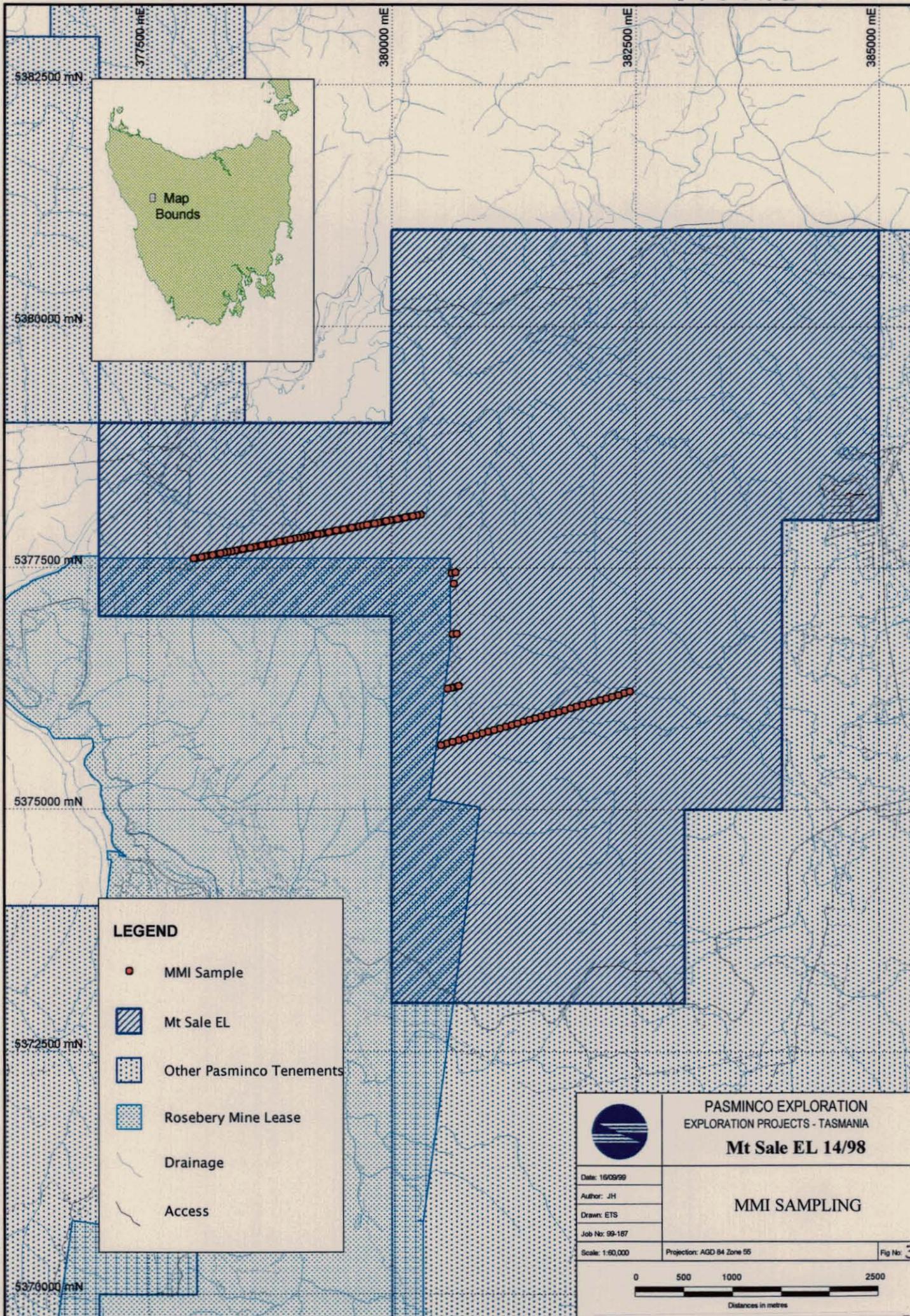
-  Prospect
-  Tenement Boundary
-  Drainage
-  Access

	PASMINCO EXPLORATION EXPLORATION PROJECTS - TASMANIA Mt Sale EL 14/98		
	REGIONAL GEOLOGY Mines & Mineral Occurrences		
	Date: 16/09/99 Author: JH Drawn: ETS Job No: 99-187	Projection: AGD 84 Zone 55	Fig No: 2
	Scale: 1:60,000		



Distances in metres

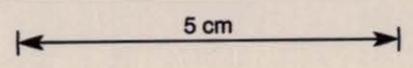
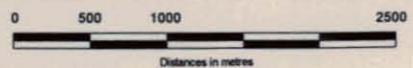




LEGEND

- MMI Sample
- Mt Sale EL
- Other Pasmaenco Tenements
- Rosebery Mine Lease
- Drainage
- Access

	PASMINCO EXPLORATION EXPLORATION PROJECTS - TASMANIA	
	Mt Sale EL 14/98	
	MMI SAMPLING	
	Date: 16/09/99	Author: JH
Drawn: ETS	Job No: 99-187	Fig No: 3
Scale: 1:60,000	Projection: AGD 84 Zone 95	



APPENDIX ONE

MT SALE MMI SAMPLING
ANALYTICAL RESULTS

Appendix One
Mt Sale MMI Sampling
Analytical Results

Sample Number	Sample Type	UTM East	UTM North	Local East	Local North	Tenement No	Ag ppm	As ppm	Au ppm	Ba ppm	Cd ppm	Co ppm	Cu ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Zn ppm	Colour	SDS	Comments
272636	MMI	380616.8	5377454	2400	3000	EL14/98	0.00095	0.082	-0.00001	3.8	0.036	0.013	0.367	0.024	0.045	4.1	0.001	1.7	LIGHT BROWN	3703	Horizontal and cutty rush; mild scrub
272639	MMI	380655.9	5377465	2440	3000	EL14/98	-0.00005	0.115	-0.00001	3.4	0.036	0.017	0.446	-0.001	0.014	2.3	-0.001	2.8	BROWN	3703	Mild horizontal, thick fern cover on ground
304603	MMI	380892.4	5375788	2300	1200	EL14/98	0.00350	0.167	0.00024	5.5	0.013	0.006	0.342	0.018	0.365	2.9	0.004	1.7	GREY	3703	Thick scrub; a little horizontal
304609	MMI	379089.4	5377825	940	3500	EL14/98	0.00260	0.053	-0.00001	1.5	0.005	0.014	0.303	0.004	0.031	1.1	0.001	6.9	BROWN	3703	
304617	MMI	380656.6	5375745	2060	1200	EL14/98	0.00100	0.043	0.00003	2	0.012	0.015	0.341	0.008	0.024	1.8	-0.001	1.1	BROWN	3703	Thick horizontal
304618	MMI	378894.3	5377788	740	3500	EL14/98	0.00060	0.008	0.00002	1.2	0.016	0.006	0.204	0.005	0.02	1	-0.001	11	GREY	3703	DUPLICATE TAKEN
304631	MMI	380931.7	5375795	2340	1200	EL14/98	0.00170	0.089	-0.00001	4	0.034	0.015	0.626	0.024	0.05	1.9	0.005	2.7	BROWN	3703	START OF LINE, Sample taken 2m west of access track
304634	MMI	380617.3	5375738	2020	1200	EL14/98	0.00180	0.083	0.00034	2.8	0.07	0.019	0.696	0.012	0.043	2.7	0.002	4.8	BROWN	3703	
304635	MMI	379050.4	5377818	900	3500	EL14/98	-0.00005	0.006	0.00024	0.662	0.009	0.002	0.174	0.003	0.021	0.696	-0.001	0.752	GREY	3703	
304641	MMI	380931.7	5375795	1340	1200	EL14/98	0.00230	0.287	-0.00001	9.9	0.015	0.074	1.1	0.029	0.119	6.3	0.014	2	BROWN	3703	Thick bush
304650	MMI	379011.3	5377810	860	3500	EL14/98	0.00150	0.141	0.00085	2.4	0.007	0.099	0.347	0.009	0.177	3.7	0.008	2.5	LIGHT BROWN	3703	
304651	MMI	379206.5	5377848	1060	3500	EL14/98	0.00220	0.039	0.00024	0.014	0.019	0.012	0.204	-0.001	0.025	1.5	-0.001	3.5	DARK BROWN	3703	
304654	MMI	378816.2	5377772	660	3500	EL14/98	0.00630	0.092	0.00056	2	0.012	0.005	0.381	0.041	0.044	1.5	0.002	3.4	GREY	3703	END OF SAMPLING
304655	MMI	380853.1	5375781	2260	1200	EL14/98	0.00300	0.216	0.00061	5.4	0.024	0.022	1.3	0.022	0.053	5.2	0.006	9.7	BROWN	3703	Fairly dense scrub; thick ground cover
304656	MMI	378855.2	5377780	700	3500	EL14/98	0.00480	0.169	0.00033	2.2	0.011	0.011	0.564	0.019	0.043	2.5	0.006	2.5	ORANGE	3703	
304657	MMI	380735.2	5375759	2140	1200	EL14/98	0.00060	0.037	0.00026	1.8	0.13	0.015	0.488	-0.001	0.016	7.1	0.002	3.4	LIGHT BROWN	3703	Thick scrub
304665	MMI	379167.5	5377841	1020	3500	EL14/98	0.00310	0.012	0.00012	6.37	0.017	0.004	0.086	0.008	0.076	2.2	0.002	1.6	BROWN	3703	
304666	MMI	380695.9	5375752	2100	1200	EL14/98	0.00300	0.084	0.00015	2.1	0.01	0.008	0.333	0.009	0.026	2.1	0.005	8.6	BROWN	3703	Sample taken 3m west of 2100E peg; Thick horizontal
304670	MMI	380774.5	5375766	2180	1200	EL14/98	0.00560	0.016	0.00025	1.9	0.03	0.013	0.786	0.007	0.048	9.3	0.005	4.3	GREY	3703	Thick bush
304676	MMI	380578	5375731	1980	1200	EL14/98	0.00440	0.012	0.00007	2.9	0.054	0.013	0.5	0.003	0.038	9	0.005	2.3	GREY	3703	Dense bush, thick fern cover on ground
304679	MMI	380813.8	5375774	2220	1200	EL14/98	0.00960	0.022	0.00023	1.7	0.088	0.012	0.708	0.01	0.038	10.5	0.005	5.4	GREY	3703	Thick scrub
304681	MMI	378933.3	5377795	780	3500	EL14/98	0.00200	0.019	0.00003	0.75	0.014	0.007	0.11	0.004	0.043	2	0.001	1.5	GREY	3703	
304695	MMI	380499.4	5375717	1900	1200	EL14/98	0.01100	0.343	0.00024	6	0.042	0.049	1.6	0.036	0.222	11	0.007	5.8	LIGHT BROWN	3703	Thick scrub
304696	MMI	378972.3	5377803	820	3500	EL14/98	0.09300	0.028	0.00032	2.2	0.014	0.009	0.634	0.014	0.058	1.8	0.003	0.813	GREY	3703	
304697	MMI	380538.7	5375724	1940	1200	EL14/98	0.00390	0.032	0.00024	2.8	0.067	0.02	0.788	0.005	0.051	8.6	0.006	3.8	GREY/BROWN	3703	Mild horizontal forest; thick fern cover on ground
304698	MMI	379128.4	5377833	980	3500	EL14/98	0.00590	0.009	0.00041	1.4	0.017	0.005	0.446	-0.001	0.043	2.7	-0.001	0.768	BROWN	3703	
304703	MMI	380652.2	5376272	2180	1800	EL14/98	-0.00005	0.514	0.00018	4.7	0.017	0.098	0.091	0.042	0.07	3.8	0.009	2.6	BROWN	3703	
304731	MMI	380691.2	5376286	2220	1800	EL14/98	0.00420	0.219	0.00025	4.7	0.018	0.031	0.382	0.032	0.063	3.1	0.004	1.4	LIGHT BROWN	3703	START OF LINE on edge of road
304755	MMI	380613.2	5376265	2140	1800	EL14/98	0.00310	0.565	0.00003	2.9	0.059	0.066	0.66	0.016	0.044	8.1	0.01	2.2	GREY	3703	
304779	MMI	380574.2	5376258	2100	1800	EL14/98	0.00290	0.019	0.00019	1.1	0.065	0.006	0.391	0.003	0.025	12.5	0.005	2.5	GREY	3703	King Billy forest
304820	MMI	380628	5376819	2260	2250	EL14/98	0.00025	0.325	0.00019	5.5	0.017	0.053	0.656	0.029	0.164	2.9	0.018	4	BROWN	3703	Dense scrub
304899	MMI	380667	5376826	2300	2250	EL14/98	0.00190	0.033	-0.00001	2.6	0.021	0.056	0.283	0.021	0.086	1.8	0.002	8.3	BROWN	3703	Mild horizontal; thick scrub
304931	MMI	380638.2	5377345	2380	2750	EL14/98	0.00230	0.162	0.00041	5	0.016	0.025	0.744	0.015	0.077	4.3	0.004	4.6	LIGHT BROWN	3703	START OF LINE
305001	MMI	378133.1	5377636	-40	3500	EL14/98	-0.00005	0.052	0.00022	3.3	0.028	0.01	0.053	-0.001	0.028	1.9	-0.001	5.4	BROWN	3703	
305006	MMI	380299.4	5378060	2180	3500	EL14/98	0.00020	0.027	0.00005	1.9	0.012	0.005	0.004	-0.001	0.039	0.414	-0.001	0.406	DARK BROWN	3703	START OF LINE
305007	MMI	378445.4	5377697	280	3500	EL14/98	0.00200	0.318	0.00160	0.549	0.014	0.289	4.5	0.305	0.21	1.195	-0.001	2	BROWN	3703	Line follows old regrown road
305009	MMI	379909.1	5377985	1780	3500	EL14/98	0.00085	0.25	0.00018	14.5	0.024	1.1	0.276	0.029	0.112	7.3	0.01	0.883	BROWN	3703	
305010	MMI	378523.4	5377712	360	3500	EL14/98	0.00200	0.304	0.00038	0.895	0.02	0.019	0.732	0.072	0.087	1.2	0.004	1.5	LIGHT BROWN	3703	Old tram track crosses at 380E
305011	MMI	379401.7	5377886	1260	3500	EL14/98	0.00270	0.052	0.00032	11	0.051	0.028	0.577	0.006	0.091	3.3	0.003	2.8	GREY	3703	
305012	MMI	379323.6	5377871	1180	3500	EL14/98	0.00070	0.012	0.00010	1.2	0.013	0.011	0.095	0.008	0.02	1.1	-0.001	1.1	CREAM	3703	
305016	MMI	380260.4	5378053	2140	3500	EL14/98	0.00040	0.016	0.00031	1.3	0.02	0.005	0.107	0.004	0.05	1.3	-0.001	1.5	BROWN	3703	
305017	MMI	378640.5	5377734	480	3500	EL14/98	0.00025	0.241	0.00042	3.7	0.013	2.4	12.5	0.109	0.316	1	0.008	0.961	BROWN	3703	
305018	MMI	379792	5377962	1660	3500	EL14/98	0.00065	0.159	0.00015	4.1	0.014	0.028	0.21	0.018	0.071	3.5	-0.001	3.6	BROWN	3703	
305019	MMI	380221.3	5378045	2100	3500	EL14/98	0.00180	0.042	0.00014	1.3	0.014	0.012	0.061	0.007	0.02	1	-0.001	1.2	GREY	3703	
305020	MMI	380104.3	5378023	1980	3500	EL14/98	0.00190	0.024	0.00071	3.2	0.012	0.009	0.099	0.008	0.039	1.4	-0.001	1.4	LIGHT BROWN	3703	
305021	MMI	380143.3	5378030	2020	3500	EL14/98	0.00190	0.384	0.00003	3.1	0.011	0.009	0.065	0.039	0.025	0.666	0.005	0.366	LIGHT BROWN	3703	Costean trench running north-south at 2050E
305024	MMI	379557.8	5377916	1420	3500	EL14/98	0.00490	0.032	-0.00001	1.1	0.036	0.052	0.356	0.026	0.036	1.3	0.003	1.6	LIGHT GREY	3703	
305025	MMI	379284.6	5377863	1140	3500	EL14/98	0.00110	0.024	0.00112	3.4	0.005	0.01	0.249	0.013	0.03	0.928	0.003	1.4	LIGHT BROWN	3703	
305027	MMI	379362.6	5377879	1220	3500	EL14/98	-0.00005	0.02	0.00007	2.8	0.012	0.007	0.174	0.005	0.017	3.3	0.001	1	CREAM/BROWN	3703	
305030	MMI	378016	5377613	-160	3500	EL14/98	0.00075	0.022	0.00005	3.2	0.016	0.006	0.11	0.01	0.069	1	0.002	0.932	GREY	3703	

009023

Appendix One
Mt Sale MMI Sampling
Analytical Results

Sample Number	Sample Type	UTM East	UTM North	Local East	Local North	Tenement No	Ag ppm	As ppm	Au ppm	Ba ppm	Cd ppm	Co ppm	Cu ppm	Mo ppm	Ni ppm	Pb ppm	Sb ppm	Zn ppm	Colour	SDS	Comments
305032	MMI	380182.3	5378038	2060	3500	EL14/98	0.00140	0.019	0.00005	3.4	0.02	0.006	0.164	0.01	0.029	2.5	0.002	1.4	GREY	3703	
305033	MMI	378211.2	5377651	40	3500	EL14/98	0.03000	0.268	0.00034	3.1	0.007	0.01	0.533	0.059	0.093	6.1	0.01	2.8	LIGHT BROWN	3703	
305034	MMI	378601.5	5377727	440	3500	EL14/98	0.00200	0.211	0.00008	0.755	0.014	0.101	3.4	0.165	0.934	0.428	0.009	2	BROWN	3703	
305035	MMI	379870	5377977	1740	3500	EL14/98	0.00140	0.022	-0.00001	2.8	0.023	0.024	0.365	0.021	0.042	3.2	0.001	1.3	CREAM/BROWN	3703	
305036	MMI	379518.8	5377909	1380	3500	EL14/98	0.00710	0.503	-0.00001	8.6	0.014	0.129	0.711	0.045	0.056	2.9	0.009	1.3	BROWN	3703	
305037	MMI	379479.7	5377901	1340	3500	EL14/98	0.00750	1.4	0.00001	3.2	0.018	0.04	0.355	0.113	0.038	1.7	0.003	1.3	BROWN	3703	
305038	MMI	380026.2	5378007	1900	3500	EL14/98	0.00140	1.1	0.00014	3.8	0.017	0.017	0.246	0.043	0.028	3.5	0.013	0.598	ORANGE	3703	
305039	MMI	378289.3	5377666	120	3500	EL14/98	0.00760	0.035	0.00016	3.4	0.043	0.033	0.382	0.015	0.056	3.7	0.002	2.3	BROWN	3703	
305040	MMI	379635.8	5377932	1500	3500	EL14/98	0.00320	0.232	0.00003	4	0.011	0.03	0.453	0.064	0.023	1.7	0.008	0.838	LIGHT BROWN	3703	
305041	MMI	378094.1	5377628	-80	3500	EL14/98	0.00095	0.02	0.00001	2.7	0.018	0.006	0.271	0.007	0.035	1.8	0.001	1.5	LIGHT BROWN	3703	Baseline ends at 080W
305042	MMI	378406.3	5377689	240	3500	EL14/98	0.00100	0.846	0.00040	1.4	0.098	2.2	6.3	0.048	0.31	25	0.02	22.5	BROWN	3703	
305044	MMI	378484.4	5377704	320	3500	EL14/98	0.00150	0.227	0.00007	7	0.025	0.327	1.7	0.05	0.103	3	0.018	2.5	LIGHT BROWN	3703	Old road crosses at 340E
305045	MMI	378055.1	5377621	-120	3500	EL14/98	0.00160	0.026	-0.00001	3.2	0.013	0.016	0.157	0.012	0.029	1	-0.001	0.529	GREY	3703	
305046	MMI	379674.9	5377939	1540	3500	EL14/98	0.00055	0.028	0.00002	1.1	0.048	0.016	0.359	-0.001	0.03	3.1	0.002	2.5	LIGHT BROWN	3703	
305049	MMI	380065.2	5378015	1940	3500	EL14/98	0.00030	0.036	0.00017	3.1	0.036	0.011	0.271	0.006	0.035	3.6	0.003	2	LIGHT BROWN	3703	
305050	MMI	379631	5377969	1700	3500	EL14/98	0.00150	0.058	0.00015	1.7	0.004	0.002	0.056	0.026	0.009	0.617	-0.001	0.172	CREAM	3703	
305051	MMI	379987.1	5378000	1860	3500	EL14/98	0.00095	0.039	0.00015	3.5	0.011	0.01	0.343	0.007	0.042	3	0.003	1.1	LIGHT BROWN	3703	
305052	MMI	378367.3	5377681	200	3500	EL14/98	0.00130	0.921	0.00062	4	0.015	1.4	4.9	0.075	0.09	15.5	0.022	5	LIGHT BROWN	3703	
305054	MMI	379713.9	5377947	1580	3500	EL14/98	0.00150	0.017	0.00015	3.6	0.016	0.008	0.209	0.005	0.027	2.9	0.002	1.3	CREAM	3703	
305056	MMI	379752.9	5377954	1620	3500	EL14/98	0.00470	0.092	0.00006	4	0.01	0.021	0.39	0.008	0.062	2.4	0.005	1.6	BROWN	3703	
305057	MMI	378718.6	5377750	560	3500	EL14/98	0.00190	0.069	0.00022	3.1	0.009	0.222	13	0.035	0.057	0.855	0.006	1	LIGHT BROWN	3703	
305058	MMI	378250.2	5377659	80	3500	EL14/98	-0.00005	0.042	-0.00001	1.1	0.005	0.012	0.112	-0.001	0.017	0.747	0.002	0.453	BROWN	3703	
305062	MMI	377977	5377606	-200	3500	EL14/98	0.00010	0.051	0.00004	2.4	0.005	0.008	0.028	0.002	0.025	0.953	-0.001	0.289	BROWN	3703	
305063	MMI	379596.8	5377924	1460	3500	EL14/98	0.00210	0.017	0.00013	1	0.002	0.005	0.077	0.004	0.008	0.319	-0.001	0.221	LIGHT GREY	3703	
305065	MMI	379948.1	5377992	1820	3500	EL14/98	0.00180	0.018	0.00008	0.838	0.013	0.003	0.219	0.011	0.011	0.933	-0.001	0.771	WHITE	3703	Access track intersects at 1800E
305066	MMI	378679.6	5377742	520	3500	EL14/98	0.00130	0.042	0.00012	2.7	0.012	0.021	3	0.007	0.061	1.1	0.001	0.76	DARK BROWN	3703	
305067	MMI	378328.3	5377674	160	3500	EL14/98	0.00350	0.318	0.00027	3.7	0.023	0.404	1.1	0.031	0.144	5.4	0.008	4.6	BROWN	3703	
305068	MMI	379440.7	5377894	1300	3500	EL14/98	0.00180	1.3	0.00020	3.5	0.022	0.094	0.543	0.028	0.09	7.1	0.009	0.462	ORANGE	3703	DUPLICATE SAMPLE TAKEN
305070	MMI	378757.6	5377757	600	3500	EL14/98	0.00015	0.078	-0.00001	3.7	0.014	0.033	0.337	0.006	0.054	1.7	0.007	0.642	BROWN	3703	
305073	MMI	379245.5	5377856	1100	3500	EL14/98	0.00120	0.007	0.00014	0.547	0.016	0.008	0.149	0.004	0.019	0.555	0.001	0.606	LIGHT BROWN	3703	
305076	MMI	378562.5	5377719	400	3500	EL14/98	0.00610	0.19	0.00010	5.5	0.025	0.123	2	0.035	0.193	1.3	0.011	2	ORANGE	3703	
305078	MMI	378172.1	5377644	0	3500	EL14/98	0.00035	0.043	0.00015	2.8	0.035	0.016	0.14	-0.001	0.035	2	-0.001	3.7	BROWN	3703	
305079	MMI	378796.7	5377765	640	3500	EL14/98	0.00360	0.238	-0.00001	4.4	0.011	0.09	0.536	0.015	0.155	1.4	0.004	1.3	BROWN	3703	START OF SAMPLING; Peg situated on edge of old road