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**PASMINCO EXPLORATION**

**MT SALE EL 14/98**

**ANNUAL REPORT FOR THE PERIOD  
ENDING 2nd AUGUST 2000**

EL 14/98  
2000 PT 1

See folio 41

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**Date:** August 2000

**Submitted To:** Group Geologist - Mining Districts

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Pasminco Exploration, Rosebery

**Submitted By:** 

**Accepted By:** 

**Melbourne Report No:** VC 321

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## 1. SUMMARY

This report details exploration completed on the Mt Sale licence (EL 14/98) during the second year of tenure.

Work completed on the Mt Sale licence during the reporting period has included a 3.9 line km (167 sample) partial leach soil geochemical survey of the interpreted northern extension of the Rosebery host sequence from the Boundary of ML 28M/93, north to the Bastyan Dam area. The results of this survey, and associated geological mapping, are yet to be interpreted.

## 2. INTRODUCTION

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

Work completed during the year consisted of a 3.9 line km partial leach soil survey and associated geological mapping. The results of these surveys have not been interpreted in detail. Work currently planned for the third year of tenure will focus on:

- Completing interpretation of previous surveys completed during 1999-2000 and following-up any anomalies defined by these surveys.
- Extending partial leach soil coverage over the Cutty Sark and Langdons prospects.

## 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 10<sup>th</sup> October 1998 for a period of five years and due to expire in September 2003. The Mt Sale tenement area has been previously held under a number of other exploration licences which include 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 Phyrlic 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; Parfrey, 1999).

**Table 1: Summary of Previous Exploration**

YEAR	COMPANY	WORK COMPLETED	RESULTS
1979	EZ-Getty	<ul style="list-style-type: none"> <li>Gradient array IP, magnetics Mt Black, Langdons, Mt Sale areas</li> </ul>	<ul style="list-style-type: none"> <li>Numerous IP responses recorded.</li> </ul>
1979	EZ-Getty	<ul style="list-style-type: none"> <li>Dipole-dipole IP - Mt Black, Mt Sale areas</li> </ul>	<ul style="list-style-type: none"> <li>IP responses downgraded.</li> </ul>
1979	EZ-Getty	<ul style="list-style-type: none"> <li>Aeromag, photogeol, INPUT EM, general IP, magnetics, soil geochem, mapping - Cutty Sark, Mt Sale areas</li> </ul>	<ul style="list-style-type: none"> <li>Soil anomalies, mag anomalies Cutty Sark area.</li> </ul>
1980	EZ-Getty	<ul style="list-style-type: none"> <li>Mapping, soil geochem, gradient array IP - Langdons, Mt Sale areas</li> </ul>	<ul style="list-style-type: none"> <li>Several anomalies outlined in Mt Sale area</li> </ul>
1981	EZ-Getty	<ul style="list-style-type: none"> <li>IP, soil geochem, pits - Mt Sale area</li> </ul>	<ul style="list-style-type: none"> <li>No significant anomalies recorded</li> </ul>
1989	Austmin	<ul style="list-style-type: none"> <li>Diamond drillholes MBD1-4, targeting weak UTEM responses</li> </ul>	<ul style="list-style-type: none"> <li>Holes all intersected barren lavas</li> </ul>
1991	Pasminco-Austmin JV	<ul style="list-style-type: none"> <li>Diamond drillhole BY1 (562.45m), sthn shore of Lake Rosebery near Bastyan Dam</li> </ul>	<ul style="list-style-type: none"> <li>No significant mineralisation or host rocks were intersected. Traces of Zn &amp; As intersected in black shale and limestone bands. Best intersections; 0.5m @ 2.1% Zn, 0.1% As &amp; 13.5m @ 0.5% Zn.</li> </ul>

Table 1: Summary of Previous Exploration (cont)

YEAR	COMPANY	WORK COMPLETED	RESULTS
1991-92	Pasminco-Austrmin JV	<ul style="list-style-type: none"> <li>• Diamond drillhole BY2 (412.5m), nth shore of Lake Rosebery beneath nth abutment of Bastyan Dam.</li> <li>• DHEM Survey DDH BY1</li> <li>• Geological mapping &amp; rock sampling in Bastyan Dam area</li> </ul>	<ul style="list-style-type: none"> <li>• No sulphides or significant alteration zones were intersected. Minor disseminated &amp; vein-style pyrite was widespread in the volcanics. Best intersection was 1.05m @ 0.12% Pb &amp; 0.16% Zn</li> <li>• No off hole conductors detected.</li> <li>• N/A</li> </ul>
1998-99	Pasminco	<ul style="list-style-type: none"> <li>• Work Focused on the western margin of the tenement close to the Mt Black Volcanics /Rosebery Mine sequence contact. Partial leach soil sampling was undertaken as part of a larger orientation survey.</li> </ul>	<ul style="list-style-type: none"> <li>• Eighty three (83) partial leach soil samples were collected along five east/west grid lines spaced approximately 200m apart. No areas of significant anomalism were identified.</li> </ul>

## 6. WORK COMPLETED 1999-2000.

Work completed by Pasminco on the Mt Sale tenement during the reporting period has focused primarily on extending the partial leach soil sampling coverage over the prospective sequence between the Rosebery Fault and the Mt Black Fault. Sampling was completed from the Boundary of ML 28M/93 north to the Southern shore of Lake Rosebery.

Gridding (3.9 line km ) was completed in March and April 2000, and the grid was then surveyed using real-time differential GPS (DGPS) and geologically mapped. Partial Leach soil sampling of the Grid was then carried out during April and May 2000, with a total of 167 samples collected, including duplicates and standards. Randomised sample numbers were used to reduce the effect of analytical variations and samples were collected on 25m spacings from nominally the 'B' Horizon (0.1-0.2m depth). These samples were analysed for Cu, Pb, Zn, Ba, As, Au, Ag, Cd, Co, Bi, Mo, Ni, Y, Zr, La, Ce, Sm, Eu and Gd by method Deepleach 42 at Amdel. Results are included as Appendix 1 and sample locations are shown on Figure 3.

Assaying of the soil samples was done in two batches (SDS 3868 and 3869). Quality control data (internal standards and duplicates) for both batches appear to be acceptable, although results for Cu, Pb and Zn are on the low-side, however, 8 samples have a low post-digest pH(<8.0) and will be deleted from the data set for detailed interpretation. No samples appear to be affected by contamination (a possibility from the Emu Bay Railway which runs along the western side of the grid).

Due to time constraints a detailed interpretation of the data collected during the reporting period, and that reported in Parfrey (1999) has not been completed. A detailed interpretation will be included in the next annual report.

**7. EXPENDITURE**

Expenditure on the Mt Sale Licence during the reporting period totalled \$26,991.15. A summary of the expenditure distribution is tabulated below:

Personnel	\$10,721.32
Travel and Accommodation	\$235.71
Geochemical Consultants & Assays	\$5,525.27
Geoscience Consultants	\$886.16
Other Contractors	\$3,729.73
Drilling Contractors	\$14.94
Stores & Supplies	\$108.97
Vehicles Plant & Equipment	\$72.39
Land	\$1,387.99
Computing	\$63.17
Office	\$1,791.76
Administration Fee 10%	\$2453.74
<hr/>	
<b>Total Tenement Expenditure</b>	<b>\$26,991.15</b>

## 8. KEYWORDS AND LOCALITY

### Keywords

Mt Sale, Mt Black, Bastyan Dam, Partial Leach geochemistry, geological mapping, gridding

### Locality

1:250K SK55-NW-SW

1:100K Sophia 8014

## 9. REFERENCES

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Hine, R & Scott, G. 1989. Climax Mining Ltd - Austmin Gold Joint Venture. Annual Report on Exploration of EL 12/88, Mt Black, Tasmania For The Period September 1988 to August 1989.

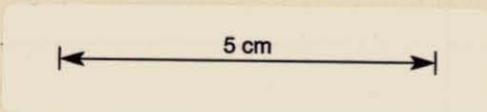
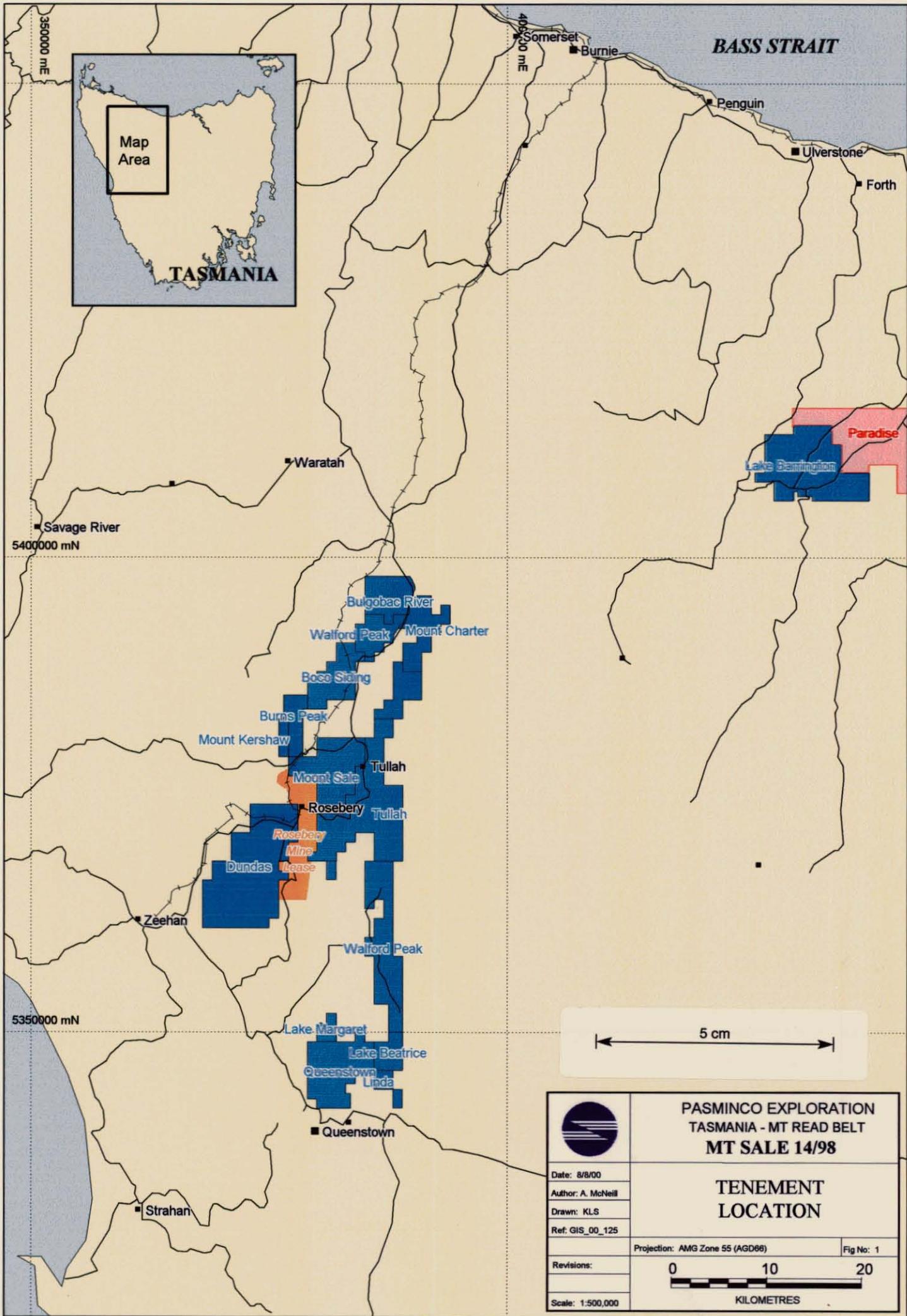
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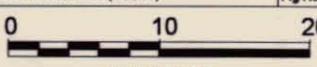
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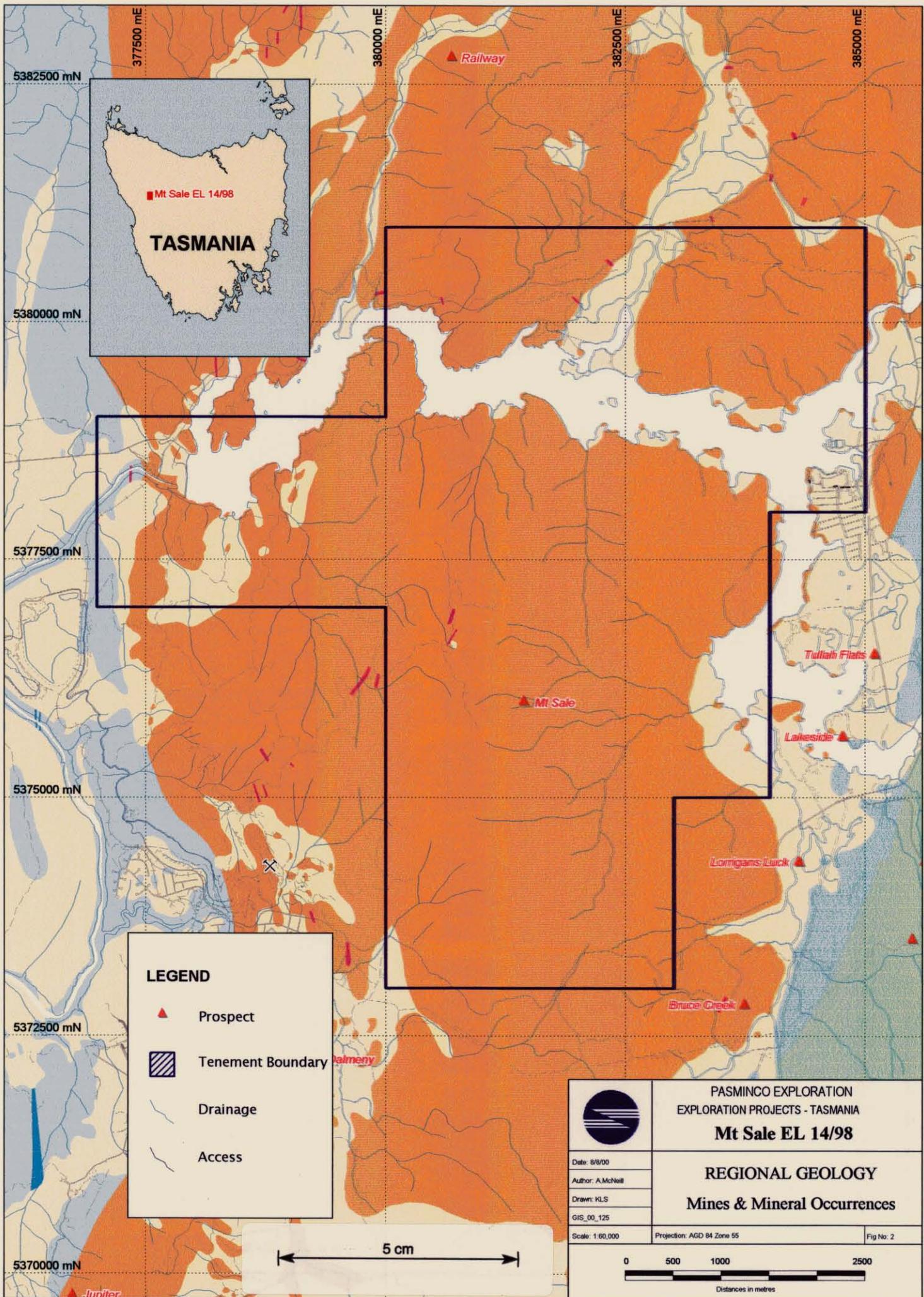
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Purvis, J.G. 1992. Pasminco Exploration. Mt Black EL 12/88 Western Tasmania. Pasminco - Austmin Joint Venture. Annual Report August 1991 - August 1992. Pasminco Unpublished Report Number T92-9.

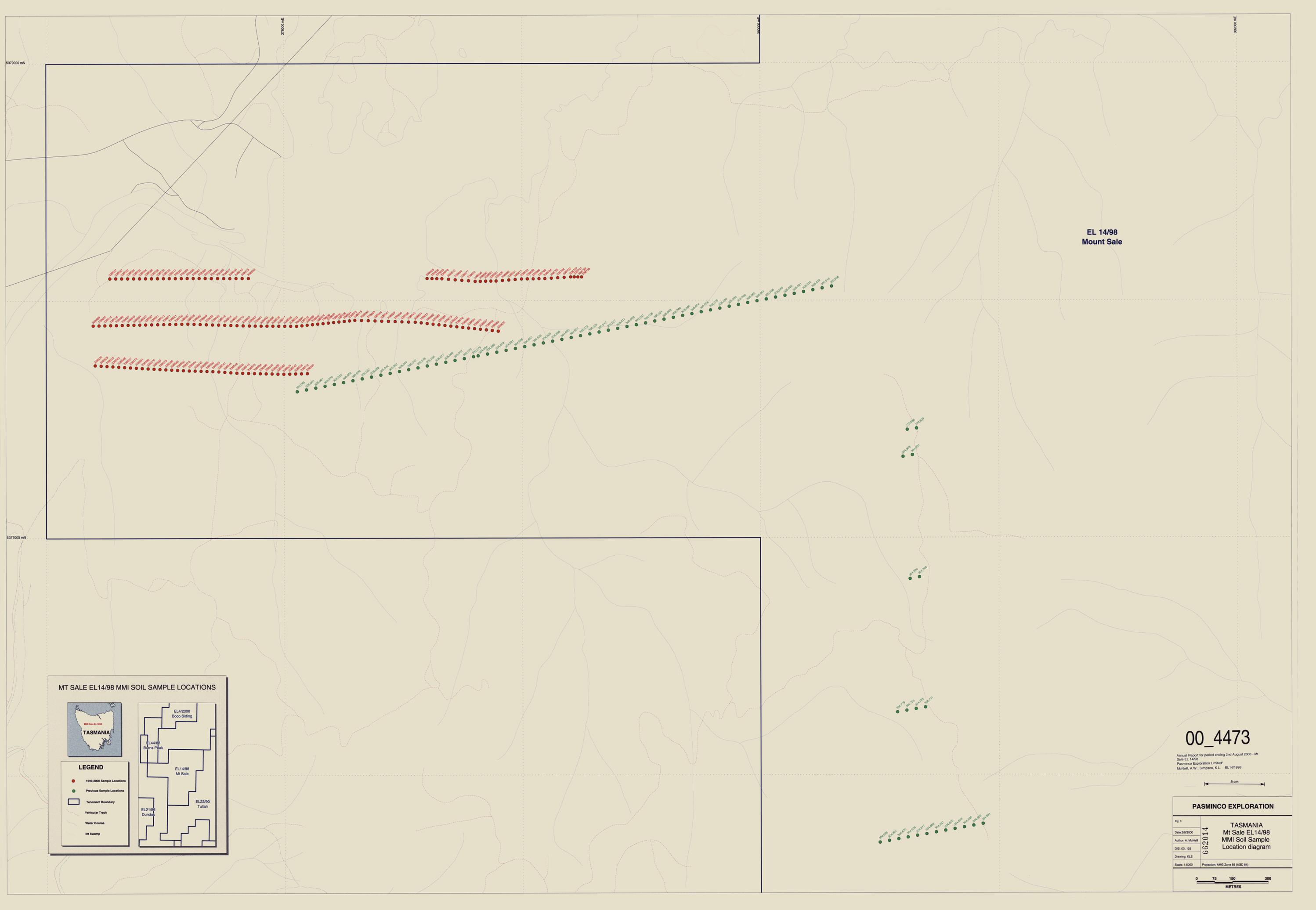
Saxon, M.S. 1995. Mt Black EL 12/88 Joint Venture Final Report, September 1988 - August 1995. Pasminco Unpub Report. Report No. T95-7



	<b>PASMINCO EXPLORATION TASMANIA - MT READ BELT MT SALE 14/98</b>	
	<b>TENEMENT LOCATION</b>	
	Date: 8/8/00 Author: A. McNeill Drawn: KLS Ref: GIS_00_125	Projection: AMG Zone 55 (AGD66) Fig No: 1
	Revisions:	 Scale: 1:500,000



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EL 14/98  
Mount Sale

**MT SALE EL14/98 MMI SOIL SAMPLE LOCATIONS**

**LEGEND**

- 1999-2000 Sample Locations
- Previous Sample Locations
- Tenement Boundary
- Vehicular Track
- Water Course
- Int Swamp

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Annual Report for period ending 2nd August 2000 - Mt Sale EL 14/98  
Pasmaenco Exploration Limited  
McNeill, A.W.; Simpson, K.L. EL14/1998

5 cm

**PASMINCO EXPLORATION**

Fig 3	<b>062014</b>	<b>TASMANIA Mt Sale EL14/98 MMI Soil Sample Location diagram</b>
Date 5/8/2000		
Author: A. McNeill		
GIS_00_125		
Scale: 1:5000	Projection: AMG Zone 56 (AGD 84)	

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**APPENDIX 1**

**MMI Sampling Analytical Results**

MI Sale Bastyan Grid  
MMI Soil Sampling  
Assay Results

DataSet	Sample No	Original S	UTM East	UTM North	UTM Grid	Local East	Local North	Local Grid	SDS	Aq	As	Au	Ba	Bi	Cd	Ce	Co	Cu	Eu	Gd	La	Mo	Ni	Pb	pH	Sm	Y	Zn	Zr
MTSALE	338501		377878.8	5377894.16	AGD66 55	377875	5377900	BASTYAN	3869	0.02	0.085	0.0016	1.32	0.0001	0.069	0.221	0.019	0.513	0.0085	0.03	0.234	0.0093	0.076	2.18	9.9	0.038	0.093	23.3	0.171
MTSALE	338502		377317.45	5378094.47	AGD66 55	377325	5378100	BASTYAN	3869	0.0012	0.058	0.00081	1.54	-0.0001	0.041	0.464	0.018	0.333	0.0068	0.02	0.416	-0.001	0.623	10.8	9.65	0.025	0.069	2.63	-0.001
MTSALE	338503		378027.6	5377892.74	AGD66 55	378025	5378100	BASTYAN	3869	0.019	0.096	0.00036	1.31	-0.0001	0.085	0.337	0.023	0.717	0.0084	0.027	0.239	0.02	1.74	3.91	9.85	0.039	0.034	27.5	-0.001
MTSALE	338504		378551	5377909.1	AGD66 55	378550	5377900	BASTYAN	3869	0.033	11.5	0.002	2.24	0.048	0.052	1.58	1.41	4.93	0.053	0.143	0.453	0.294	0.35	9.56	9.96	0.163	0.536	17	3.41
MTSALE	338505		377367.56	5378094.62	AGD66 55	377375	5378100	BASTYAN	3869	0.0058	0.138	-0.00001	2.64	0.003	0.103	0.807	0.018	0.791	0.0088	0.041	0.854	0.022	0.104	4.82	9.75	0.054	0.125	25.8	0.226
MTSALE	338506		378230.51	5377910.75	AGD66 55	378250	5377900	BASTYAN	3869	0.017	12.1	0.0017	4.96	0.061	0.071	3.89	1.16	6.05	0.051	0.179	1.12	0.179	0.458	10.6	9.75	0.176	0.783	17.9	4.82
MTSALE	338507		377267.37	5378094.33	AGD66 55	377275	5378100	BASTYAN	3869	0.0049	9.18	0.001	3.77	0.018	0.025	1.08	0.317	0.246	0.0068	0.018	0.069	0.337	0.101	0.637	10	0.021	0.163	13	2.75
MTSALE	338508		376185.98	5377906.19	AGD66 55	376200	5377900	BASTYAN	3869	0.0078	0.174	0.00065	4.19	0.0007	0.046	0.171	0.047	0.899	0.0072	0.019	0.085	-0.001	0.161	1.28	9.25	0.028	0.088	4.18	0.43
MTSALE	338509		377953.2	5377993.45	AGD66 55	377950	5377900	BASTYAN	3869	0.0094	0.135	0.00049	0.843	-0.0001	0.023	0.615	0.017	0.457	0.018	0.052	0.434	-0.001	0.045	0.936	9.35	0.079	0.165	1.5	0.274
MTSALE	338510		376691.4	5378090.28	AGD66 55	376700	5378100	BASTYAN	3869	0.0084	0.196	0.00043	4.6	0.0045	0.037	0.27	0.151	1.59	0.0065	0.018	0.175	-0.001	0.277	3.02	8.75	0.024	0.086	3.22	0.296
MTSALE	338511		376897.35	5378089.1	AGD66 55	376895	5378100	BASTYAN	3869	0.0038	0.25	-0.00001	0.894	-0.0001	0.109	0.133	0.069	0.737	0.0086	0.03	0.061	-0.001	0.135	4.47	7.05	0.035	0.207	23.4	0.366
MTSALE	338512		378074.66	5377994.78	AGD66 55	378075	5377900	BASTYAN	3869	0.0053	0.1	-0.00001	4.77	-0.0001	0.046	0.079	0.029	1.1	0.0043	0.0096	0.052	-0.001	0.247	1.5	6.28	0.015	0.063	4.31	0.197
MTSALE	338513		377468.31	5377900.49	AGD66 55	377475	5377900	BASTYAN	3869	0.0092	0.102	0.0002	2.85	-0.0001	0.031	0.176	0.067	0.828	0.009	0.027	0.086	-0.001	0.207	1.53	9.25	0.032	0.128	6.7	0.47
MTSALE	338514		377246.33	5377896.1	AGD66 55	377250	5377900	BASTYAN	3869	0.013	0.048	0.00009	2.14	-0.0001	0.032	0.096	0.011	0.396	0.004	0.01	0.059	-0.001	0.05	1.07	9.3	0.015	0.048	2.16	0.231
MTSALE	338515		378575.98	5377906.3	AGD66 55	378575	5377900	BASTYAN	3869	0.0095	0.044	0.00003	4.68	-0.0001	0.023	0.19	0.014	0.427	0.0079	0.02	0.123	-0.001	0.069	1.03	9.15	0.031	0.074	2.41	0.249
MTSALE	338516		37724.56	5377896.55	AGD66 55	37725	5377900	BASTYAN	3869	0.0095	0.025	0.00043	4.45	-0.0001	0.046	0.115	0.02	1.01	0.0046	0.01	0.077	-0.001	0.105	1.55	9	0.018	0.043	4.05	0.156
MTSALE	338517		377278	5377890.21	AGD66 55	377275	5377900	BASTYAN	3869	0.0077	0.098	-0.00001	1.06	-0.0001	0.065	0.143	0.025	0.109	0.0064	0.017	0.091	-0.001	0.085	1.07	7.15	0.022	0.098	5.61	0.131
MTSALE	338518		377270.8	5377896.6	AGD66 55	377275	5377900	BASTYAN	3869	0.011	0.058	-0.00001	1.43	-0.0001	0.042	0.203	0.02	0.392	0.0057	0.017	0.116	-0.001	0.07	1.23	9.1	0.024	0.092	2.61	0.186
MTSALE	338519		378297.3	5377917.6	AGD66 55	378325	5377900	BASTYAN	3869	0.013	0.839	-0.00001	6.1	0.017	0.045	0.747	0.37	6.995	0.035	0.1	0.524	0.088	0.201	6.24	9.85	0.125	0.58	4.98	0.935
MTSALE	338520	338696	378803.4	53778081.4	AGD66 55	378800	5378100	BASTYAN	3869	0.0086	0.248	-0.00001	6.04	-0.0001	0.12	0.278	0.065	1.22	0.014	0.039	0.162	-0.001	0.223	4.06	7.1	0.05	0.2	10.6	0.259
MTSALE	338521		377519.00	5377901.37	AGD66 55	377525	5377900	BASTYAN	3869	0.017	1.85	0.0016	2.55	0.272	0.034	0.274	0.266	5.01	0.016	0.048	0.176	0.724	0.236	0.516	9.9	0.055	0.452	4.24	12.3
MTSALE	338522		377393.11	5377899.1	AGD66 55	377400	5377900	BASTYAN	3869	0.0074	-0.001	0.00005	1.83	-0.0001	0.018	0.062	0.012	0.186	0.0001	0.0076	0.042	-0.001	0.15	0.418	9	0.011	0.037	2.36	0.201
MTSALE	338523		378998	5378091.2	AGD66 55	379000	5378100	BASTYAN	3869	0.0093	0.074	0.00002	4.6	-0.0001	0.028	0.111	0.015	0.193	0.0065	0.013	0.076	-0.001	0.127	0.751	9.25	0.02	0.062	3.13	0.177
MTSALE	338524		378141.45	5377901.63	AGD66 55	378150	5377900	BASTYAN	3869	0.01	0.071	0.00001	3.09	-0.0001	0.067	0.108	0.046	1.85	0.0043	0.011	0.05	-0.001	0.28	2.31	7.45	0.015	0.056	11.4	0.138
MTSALE	338525		378900	5377870.7	AGD66 55	378900	5377900	BASTYAN	3869	0.0079	0.103	0.00011	8	-0.0001	0.074	0.234	0.045	1.53	0.012	0.026	0.153	-0.001	0.211	4.01	7.6	0.038	0.136	9.9	0.155
MTSALE	338526		378891.4	5378082.8	AGD66 55	378900	5378100	BASTYAN	3869	0.0097	0.038	0.00032	2.7	-0.0001	0.054	0.096	0.02	1.11	0.0048	0.014	0.06	-0.001	0.138	2.15	8.95	0.018	0.084	2.48	0.151
MTSALE	338527		377319.73	5377897.6	AGD66 55	377325	5377900	BASTYAN	3869	0.016	4.62	0.00046	4.17	0.0026	0.098	1.25	1.81	0.367	0.196	0.627	0.903	0.263	1.24	1.24	8.4	0.56	4.64	35.6	5.66
MTSALE	338528		378600.9	5378094.3	AGD66 55	378600	5378100	BASTYAN	3869	0.024	5.86	0.00044	3.33	0.036	0.01	0.846	0.039	0.282	0.033	0.111	0.485	0.104	0.167	3.14	10	0.122	0.739	2.24	2.41
MTSALE	338529		378438.24	5377812.88	AGD66 55	378450	5377900	BASTYAN	3869	0.013	0.053	0.00007	1.76	-0.0001	0.014	0.628	0.052	0.211	0.024	0.08	0.417	-0.001	0.132	1.24	9.1	0.105	0.397	1.99	0.434
MTSALE	338530		378825.4	5378081.75	AGD66 55	378825	5378100	BASTYAN	3869	0.0096	0.084	-0.00001	3.17	-0.0001	0.057	0.152	0.017	1.95	0.0087	0.015	0.104	-0.001	0.179	3.19	8.7	0.023	0.075	2.9	0.174
MTSALE	338531		377776.33	5377896.89	AGD66 55	377775	5377900	BASTYAN	3869	0.0096	-0.001	0.00041	1.94	-0.0001	0.02	0.275	0.024	0.45	0.0072	0.022	0.184	-0.001	0.093	0.607	9.35	0.035	0.089	1.95	0.179
MTSALE	338532		377672.77	5377900.21	AGD66 55	377675	5377900	BASTYAN	3869	0.0092	0.098	0.0011	1.32	-0.0001	0.38	0.229	0.033	2.53	0.0089	0.021	0.185	-0.001	0.198	1.25	9.7	0.029	0.1	48.4	0.288
MTSALE	338533		378700.85	5377892.3	AGD66 55	378700	5377900	BASTYAN	3869	0.0098	0.038	0.00046	1.41	-0.0001	0.063	0.105	0.018	1.99	0.0037	0.011	0.077	-0.001	0.251	1.58	8.45	0.015	0.059	5.53	0.134
MTSALE	338534		378252.77	5377913.04	AGD66 55	378275	5377900	BASTYAN	3869	0.0045	0.147	0.0015	3.64	0.0022	0.106	0.162	0.034	1.35	0.0094	0.028	0.173	0.019	0.191	3.57	8.6	0.036	0.127	2.86	0.142
MTSALE	338535		378325.49	5377916.86	AGD66 55	378350	5377900	BASTYAN	3869	0.002	0.135	0.0009	0.69	0.064	0.087	4.07	1.62	4.36	0.543	0.82	6.53	0.185	0.622	3.33	10	0.203	7.07	6.9	2.82
MTSALE	338536								3869	0.016	0.12	0.00003	2.56	0.0035	0.019	0.296	0.022	1.1	0.02	0.063	0.412	0.0036	0.15	1.76	8.95	0.062	0.216	1.98	0.

Mr Sale Bastyan Grid  
MMI Soil Sampling  
Assay Results

DataSet	Sample No	Original S	UTM East	UTM North	UTM Grid	Local East	Local North	Local Grid	SDS	Ag	As	Au	Ba	Br	Cd	Ce	Co	Cu	Eu	Gd	La	Mo	Ni	Pb	pH	Sm	Y	Zn	Zr
MTSALE	336677		378747.4	5378085.64	AGD66.55	378750	5378100	BASTYAN	3869	0.0083	0.264	0.00074	3.23	-0.0001	0.008	0.503	0.025	0.066	0.0084	0.028	0.463	0.0032	0.084	3.75	9.8	0.032	0.12	1.05	-0.001
MTSALE	336678		378663.4	5378092.5	AGD66.55	378675	5378100	BASTYAN	3869	0.021	0.184	0.00035	8.25	-0.0001	0.075	0.326	0.092	1.67	0.0066	0.019	0.287	-0.001	0.106	2.73	8.55	0.022	0.081	5.89	-0.001
MTSALE	336679		378675.88	5377895.1	AGD66.55	378675	5377900	BASTYAN	3869	0.0066	0.067	0.0018	4.23	-0.0001	0.016	0.099	0.011	0.87	0.0036	0.0093	0.071	-0.001	0.325	7.18	9.25	0.01	0.056	1.84	-0.001
MTSALE	336680		378163.72	5377903.91	AGD66.55	378175	5377900	BASTYAN	3869	0.0233	1.55	0.0048	11.3	0.245	0.022	3.87	0.143	3.42	0.099	0.356	2.41	0.077	0.244	3.33	10.5	0.366	0.832	3.18	6.35
MTSALE	336681		378775.67	5377884.03	AGD66.55	378775	5377900	BASTYAN	3869	-0.00005	0.108	0.0065	2.88	-0.0001	0.107	0.365	0.026	25.4	0.0079	0.028	0.234	-0.001	0.347	6.87	8.55	0.031	0.089	5.34	-0.001
MTSALE	336682		377854.	5377894.4	AGD66.55	377850	5377900	BASTYAN	3869	-0.00005	0.062	0.0015	2.02	-0.0001	0.033	0.151	0.014	2.72	0.0023	0.0077	0.123	0.0059	0.099	2.25	9.6	0.0099	0.029	2.34	-0.001
MTSALE	336683		378918.05	5378084.9	AGD66.55	378925	5378100	BASTYAN	3869	0.015	0.846	0.0011	7.53	0.083	0.078	0.608	0.278	9.22	0.014	0.045	0.49	0.052	0.865	2.93	10	0.049	0.201	4.31	2.92
MTSALE	336684		377342.51	5378094.55	AGD66.55	377350	5378100	BASTYAN	3869	0.02	0.445	0.0014	5.34	-0.0001	0.081	2.04	0.123	1.96	0.041	0.151	1.66	-0.001	0.267	12.5	9.3	0.157	0.686	15.7	-0.001
MTSALE	336685		378625.93	5377900.7	AGD66.55	378625	5377900	BASTYAN	3869	0.001	0.04	0.00066	2.12	-0.0001	0.013	0.226	0.0015	0.256	0.0032	0.011	0.185	-0.001	0.078	0.61	9.8	0.012	0.026	0.131	-0.001
MTSALE	336686		378750.8	5377886.7	AGD66.55	378750	5377900	BASTYAN	3869	0.00016	0.088	0.00087	3.06	-0.0001	0.035	0.48	0.012	0.129	0.012	0.027	0.387	-0.001	0.156	4.08	8.65	0.04	0.05	2.71	-0.001
MTSALE	336687	338647	377292.4	5378094.4	AGD66.55	377300	5378100	BASTYAN	3869	0.0036	0.037	0.0002	3	-0.0001	0.016	0.057	0.0066	0.685	0.0016	0.0048	0.037	0.016	0.053	1.58	9.6	0.0061	0.017	0.921	0.059
MTSALE	336688		377417.67	5378094.77	AGD66.55	377425	5378100	BASTYAN	3869	0.0096	0.05	-0.00001	4.38	-0.0001	0.025	0.075	0.026	0.504	0.0019	0.0041	0.063	0.022	0.073	2.88	9.8	0.0068	0.026	4.97	0.079
MTSALE	336689		377197.4	5377895.1	AGD66.55	377200	5377900	BASTYAN	3869	0.015	0.417	0.00038	5.22	0.04	0.032	1.74	0.066	3.85	0.015	0.052	0.562	0.104	0.564	2.42	10	0.053	0.216	3.15	1.65
MTSALE	336690		378466.43	5377911.93	AGD66.55	378475	5377900	BASTYAN	3869	0.016	0.122	-0.00001	2.02	-0.0001	0.022	0.365	0.019	1.38	0.0031	0.01	0.172	0.022	0.118	2.71	9.35	0.013	0.039	1.29	0.176
MTSALE	336691		377442.96	5377900.04	AGD66.55	377450	5377900	BASTYAN	3869	0.013	0.041	-0.00001	3.49	-0.0001	0.033	0.206	0.016	0.426	0.0038	0.011	0.138	0.012	0.174	1.53	9.75	0.014	0.046	3.38	0.172
MTSALE	336692		377826.11	5377865.23	AGD66.55	377825	5377900	BASTYAN	3869	0.014	0.086	-0.00001	5.2	-0.0001	0.025	0.212	0.015	0.594	0.0049	0.014	0.18	0.0087	0.115	2.39	9.45	0.017	0.042	1.75	0.094
MTSALE	336693		378947.4	5378092.2	AGD66.55	378950	5378100	BASTYAN	3869	0.019	0.141	0.00008	2.99	-0.0001	0.025	0.196	0.025	0.419	0.0045	0.016	0.156	0.0058	0.388	4.14	8.4	0.017	0.073	9.95	0.121
MTSALE	336694		378719.14	5378088.06	AGD66.55	378725	5378100	BASTYAN	3869	0.02	0.714	0.00001	6.7	0.017	0.04	0.233	0.032	1.88	0.0062	0.02	0.226	0.089	0.19	3.8	9.8	0.022	0.091	4.2	0.877
MTSALE	336695		377595.1	5377902.7	AGD66.55	377600	5377900	BASTYAN	3869	0.053	2.88	-0.00001	3.9	0.039	0.036	2.18	0.079	0.737	0.005	0.173	1.94	0.162	0.443	12.2	9.8	0.184	0.614	4.66	1.96
MTSALE	336696		378803.4	5378081.4	AGD66.55	378800	5378100	BASTYAN	3869	0.022	0.138	-0.00001	2.52	-0.0001	0.011	0.596	0.024	0.165	0.011	0.033	0.535	0.026	0.232	2.18	9.5	0.038	0.095	3.17	0.203
MTSALE	336697		378052.4	5377892.5	AGD66.55	378050	5377900	BASTYAN	3869	0.019	0.064	0.00027	2.94	-0.0001	0.021	0.442	0.019	0.524	0.0069	0.024	0.387	0.01	0.114	1.58	9.2	0.029	0.06	2.75	0.167
MTSALE	336698		378650.9	5377887.9	AGD66.55	378650	5377900	BASTYAN	3869	0.011	0.106	0.00081	4.44	-0.0001	0.098	0.77	0.027	1.84	0.013	0.044	0.63	0.0035	0.279	4.56	8.7	0.052	0.151	7.13	0.096
MTSALE	336699		377296.27	5377897.1	AGD66.55	377300	5377900	BASTYAN	3869	0.011	0.079	-0.00001	2.49	-0.0001	0.017	0.332	0.0087	0.066	0.006	0.017	0.263	0.0095	0.1	1.35	9.3	0.021	0.057	1.87	0.168
MTSALE	336700		377544.38	5377901.81	AGD66.55	377550	5377900	BASTYAN	3869	0.016	0.128	0.00004	3.14	-0.0001	0.073	0.308	0.019	2.83	0.006	0.02	0.237	0.012	0.292	5.84	8.65	0.023	0.093	4.46	0.146
MTSALE	336701		379177.03	5378097.90	AGD66.55	379175	5378100	BASTYAN	3869	0.024	0.648	0.00023	5.5	0.054	0.055	2.29	0.288	8.36	0.028	0.107	1.19	0.12	0.627	1.8	10.5	0.104	0.44	2.87	4.3
MTSALE	336702		379122.88	5378094.38	AGD66.55	379125	5378100	BASTYAN	3869	0.025	0.23	0.00002	5.25	-0.0001	0.0094	0.912	0.014	1.98	0.011	0.041	0.712	0.076	0.295	9.45	8.75	0.052	0.274	0.976	1.25
MTSALE	336703		379219.33	5378099.6	AGD66.55	379225	5378100	BASTYAN	3869	0.024	1.55	-0.00001	8.31	0.043	0.018	3.17	0.089	1.51	0.056	0.256	1.82	0.124	0.357	14.1	9.75	0.233	1.48	2.83	2.11
MTSALE	336704		378204.1	5378099.4	AGD66.55	378200	5378100	BASTYAN	3869	0.021	3.77	0.0007	5.09	0.02	0.045	0.902	0.337	1.1	0.034	0.126	0.54	0.597	1.76	8.61	9.65	0.141	0.27	12	0.606
MTSALE	336705		379249.8	5378099.4	AGD66.55	379255	5378100	BASTYAN	3869	0.01	4.59	0.00042	8.32	0.072	0.045	4.86	0.215	2.43	0.028	0.085	0.266	0.577	0.789	4.13	9.8	0.084	0.17	3.66	0.925
MTSALE	336706		379095.8	5378092.6	AGD66.55	379100	5378100	BASTYAN	3869	0.00066	0.119	-0.00001	4.18	0.008	0.032	0.271	0.053	0.433	0.012	0.041	0.157	0.022	0.225	3.21	10	0.043	0.168	9.79	0.24
MTSALE	336707		379149.95	5378096.15	AGD66.55	379150	5378100	BASTYAN	3869	0.00076	0.232	0.00026	2.31	-0.0001	0.011	0.324	0.011	0.346	0.013	0.042	0.22	0.0068	0.233	9.67	8.85	0.043	0.134	1.12	0.451
MTSALE	336708	338747	379204.1	5378099.7	AGD66.55	379200	5378100	BASTYAN	3869	0.00097	2.75	0.0012	7.84	0.021	0.043	1.12	0.083	0.251	0.089	0.205	0.66	0.348	0.443	9.16	9.9	0.219	0.495	0.742	0.389
MTSALE	336709		379071.15	5378092.25	AGD66.55	379075	5378100	BASTYAN	3869	0.006	6.35	0.0013	16.3	0.023	0.037	1.83	0.984	2.56	0.189	0.491	0.938	0.174	0.84	16.6	9.75	0.442	1.25	3.38	2.94
MTSALE	336710		379234.57	5378098.5	AGD66.55	379250	5378100	BASTYAN	3869	-0.00005	0.043	0.00003	1.3	-0.0001	0.014	0.393	0.016	0.04	0.023	0.079	0.241	-0.001	0.182	1.19	8.65	0.078	0.193	0.707	0.083
MTSALE	336711		377600.77	5377704.9	AGD66.55	7800	7700	BASTYAN	3868	0.011	0.261	0.0004	32.5	-0.0001	0.158	1.1	0.081	4.96	0.017	0.056	0.95	0.099	0.483	20.6	8.55	0.071	0.184	17.8	0.168
MTSALE	336712		377899.9	5377892.7	AGD66.55	7900	7700	BASTYAN	3868	0.0081	0.088	0.0005	6.33	-0.0001	0.017	0.123	0.013	0.289	0.0026	0.0076	0.111	0.0098	0.18	1.97					

Mt Sale Bastyan Grid  
MMI Soil Sampling  
Assay Results

DataSet	Sample No	Original S	UTM East	UTM North	UTM Grid	Local East	Local North	Local Grid	SDS	Ag	As	Au	Ba	Bi	Cd	Co	Cu	Eu	Gd	La	Mo	Ni	Pb	pH	Sm	Y	Zn	Zr	
MTSALE	338576		377427.95	5377713.83	AGD66_55	7425	7700	BASTYAN	3868	0.04	0.16	-0.00001	3.41	-0.0001	0.016	0.617	0.031	0.18	0.011	0.035	0.534	0.004	0.115	3.25	9.8	0.043	0.126	1.51	0.104
MTSALE	338577		377746.33	5378095.33	AGD66_55	7750	8100	BASTYAN	3868	0.021	0.156	-0.00001	10.4	-0.0001	0.067	1.28	0.053	2.07	0.013	0.048	1.27	-0.001	0.441	4.52	8.4	0.056	0.16	9.19	0.179
MTSALE	338578		377824.46	5378095.16	AGD66_55	7825	8100	BASTYAN	3868	0.014	0.089	0.00006	8.14	-0.0001	0.039	0.74	0.019	0.317	0.012	0.032	0.645	0.015	0.065	1.87	9.4	0.042	0.106	3.19	0.084
MTSALE	338579		377477.45	5377711.08	AGD66_55	7475	7700	BASTYAN	3868	0.011	0.085	-0.00001	2.76	-0.0001	0.015	0.994	0.014	0.211	0.015	0.048	0.828	-0.001	0.091	1.43	9.25	0.07	0.088	2.38	0.059
MTSALE	338580		377974	5377690.63	AGD66_55	7875	7700	BASTYAN	3868	0.0092	0.146	0.0013	2.06	-0.0001	0.015	0.824	0.015	0.252	0.011	0.036	0.623	0.0068	0.0059	1.68	9.6	0.049	0.101	1.19	0.07
MTSALE	338581		377378.5	5377716.7	AGD66_55	7375	7700	BASTYAN	3868	0.023	1.32	0.00098	8.07	-0.055	0.151	1.91	4.43	0.892	0.033	0.12	0.983	0.295	1.01	15.7	10.5	0.105	0.645	33.9	4.28
MTSALE	338583		377567.89	5378095.21	AGD66_55	7575	8100	BASTYAN	3868	0.011	0.055	-0.00001	2.46	-0.0001	0.046	0.31	0.016	0.809	0.003	0.0089	0.206	-0.001	0.035	2	9.15	0.014	0.037	4.04	0.088
MTSALE	338585		377526.83	5377708.5	AGD66_55	7525	7700	BASTYAN	3868	0.043	0.064	-0.00001	1.6	-0.0001	0.017	0.852	0.014	0.196	0.014	0.045	0.73	-0.001	0.067	2.39	9.35	0.056	0.093	1.62	0.063
MTSALE	338588		377403.2	5377715.2	AGD66_55	7400	7700	BASTYAN	3868	0.028	1.65	0.00067	10.3	-0.0001	0.039	7.73	2.26	2.02	0.317	1.15	4.97	0.013	2.33	17.3	10	0.971	6.62	65.8	0.338
MTSALE	338590		377675.1	5377702.88	AGD66_55	7675	7700	BASTYAN	3868	0.055	0.151	0.00041	4.89	-0.0001	0.073	0.364	0.025	1.18	0.0053	0.015	0.284	-0.001	0.254	3.3	8.8	0.021	0.053	5.07	0.057
MTSALE	338593		377643.15	5378095.43	AGD66_55	7650	8100	BASTYAN	3868	0.022	0.074	-0.00001	1.93	-0.0001	0.018	0.31	0.02	0.174	0.0044	0.013	0.232	-0.001	0.094	1.91	9.5	0.018	0.046	1.72	0.079
MTSALE	338594		377772.37	5378095.27	AGD66_55	7775	8100	BASTYAN	3868	0.014	0.083	-0.00001	3.43	-0.0001	0.018	0.451	0.012	0.261	0.0077	0.022	0.364	0.0041	0.023	1.25	9.85	0.027	0.086	1.11	0.091
MTSALE	338596		377694.24	5378095.44	AGD66_55	7700	8100	BASTYAN	3868	0.024	0.096	-0.00001	3.76	-0.0001	0.038	0.307	0.019	0.68	0.0047	0.016	0.216	-0.001	0.137	3.9	9.15	0.021	0.048	3.99	0.075
MTSALE	338597		378097.2	5377692.7	AGD66_55	8100	7700	BASTYAN	3868	0.019	0.497	-0.00001	10.6	-0.0001	0.016	0.944	0.058	0.29	0.024	0.084	0.763	0.048	0.149	2.69	9.7	0.085	0.423	1.18	0.515
MTSALE	338598		377502.2	5377709.7	AGD66_55	7500	7700	BASTYAN	3868	0.012	0.111	-0.00001	5.22	-0.0001	0.0088	0.349	0.0086	0.131	0.0059	0.018	0.288	0.0026	0.031	1.92	9.05	0.021	0.059	1.47	0.052

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