

# Rio Tinto Exploration Pty. Limited

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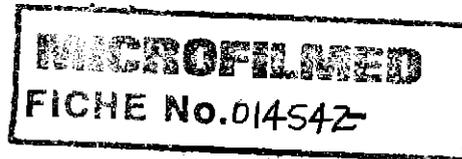
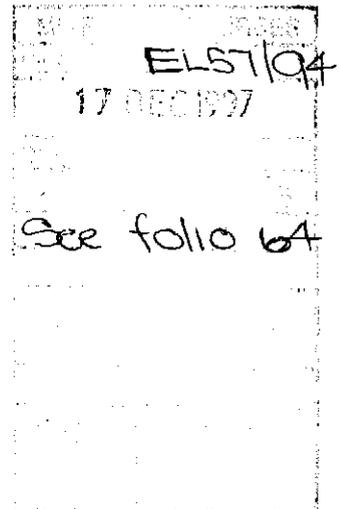


**EL 57/94 Mole Creek West  
Third Annual and Final Report for the Period  
24 January 1997 to 13 November 1997**

**Burnie SK55-05**

**1:250,000**

**Tasmania Australia**



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# 97-4096

**Rio Tinto Report No. 23645**

### Abstract

EL 57/94 (Mole Creek West) was acquired to explore for Irish-style Pb-Zn mineralisation within Ordovician Gordon Group carbonates. The licence was granted on 24 February 1995. It covers 216 sq km and lies approximately 70 km WSW of Launceston. Exploration for Pb-Zn mineralisation conducted in the first two years of tenure downgraded the potential for a Pb-Zn deposit within the licence.

Potential for sediment-hosted, fine grained, sulphide-poor gold mineralisation within the Ordovician Gordon Limestone and Moina Sandstone was subsequently recognised. During 1997, exploration of within EL 57/94 was conducted as part of a larger programme over adjoining tenements EL 28/96 (Forth 2), EL 30/96 (Mersey 1) and EL 56/94 (Mackintosh River).

Exploration comprised a data review, followed by a programme of stream sediment sampling. Within EL 57/94, thirty six -80# stream sediment, 36 pan concentrates and 19 rock samples were collected and assayed. A number of samples reported elevated Au-As-Mo-W assays. The assays were of low tenor and the anomalies were regarded as low priority and so were not further investigated.

No further work was planned over EL 57/94, so the licence was surrendered on 13 November 1997.

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<b>Plan No.</b>	<b>Title</b>	<b>Scale</b>
Tv1060	EL 57/94 Mole Creek West Location Plan	1:100,000
Tv1289	EL 57/94 Mole Creek West Exploration Summary	1:25,000

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## 1. Conclusions and Recommendations

Geochemical exploration for sediment-hosted, sulphide poor, fine grained gold mineralisation within EL 57/94 identified a number of low priority anomalies. Due to the low tenor of anomalism and higher priority exploration elsewhere they were not followed up. As no further work was planned pursuing either Irish-style Pb-Zn or sediment-hosted Au mineralisation, the licence was surrendered on 13 November 1997.

## 2. Introduction

EL 57/94 Mole Creek West was granted to Rio Tinto Exploration Pty. Limited on 24 February 1995. The licence covers 216 sq km (Plan Tv 1060) and lies approximately 70 km WSW of Launceston.

Rio Tinto Exploration Pty. Limited acquired the licence area to explore for Irish-style Pb-Zn mineralisation within Ordovician Gordon Group carbonates. Rio Tinto Exploration Pty. Limited's exploration of the Gordon Group carbonates in the Zeehan area has resulted in several encouraging Pb-Zn drill intersections. Hence Rio Tinto Exploration Pty. Limited expanded exploration efforts to other areas of poorly explored Gordon Group carbonates with potential to host economic Irish-style Pb-Zn mineralisation. The Mole Creek West licence is one such area.

Ordovician carbonates and clastics within EL 57/94 may also have potential to host Carlin/Sepon style, sediment-hosted, low sulphide, fine grained gold mineralisation.

This report details exploration activities conducted within EL 57/94 Mole Creek West by Rio Tinto Exploration Pty. Limited during the third and final year of tenure, covering the period 24 January 1997 to 13 November 1997.

## 3. Review of Previous Work

Work by previous explorers in the licence area is reviewed in the previous annual report (CRAE Report 21982).

### 3.1 Exploration Completed in Tenure Year One - 24 January 1996

A comprehensive literature review was undertaken. Some data was compiled to 1:25 000 scale plans.

The review highlighted Billiton's Wattle Valley Pb-Zn prospect (EL 7/74). The Wattle Valley grid is located on the northern limb of an E-W trending syncline, and overlies Gordon Group carbonates. A north-west trending fault, apparent on air photos, cuts through the grid. The prospect was discovered when a reconnaissance soil sample taken on the Mersey

Forest Road (437830mE, 5398580mN) returned 4100 ppm Pb, 2050 ppm Zn. Follow up sampling at 50m spacing confirmed the anomaly and an exploration grid was established.

The 1000 ppm Pb-in-soil contour outlines a bedding parallel zone 100m long by 50m wide. A Max-Min EM survey detected a conductor coincident with the geochemical anomaly. IP, gravity, SP, ground magnetic and VLF surveys were also carried out. Evaluation of the geophysical and geochemical results indicated a target zone about 10m wide by 300m strike length extending only 100m down dip.

One vertical percussion hole (WV1) and a vertical percussion-diamond hole (WV2) were drilled to test the prospect. The best intersection was 2m at 270 ppm Pb, 1400 ppm Zn, 8 ppm Cd and 165 ppm Mn from 6m returned from hole WV1. However Zn values were anomalous over the entire hole. Petrographic descriptions confirm the presence of sparse, possibly syn-genetic sphalerite in chalcidonic layers within a partially dolomitised limestone.

Dr Clive Burrett, a palaeontologist/carbonate sedimentologist from the University of Tasmania with considerable geological knowledge of the Mole Creek/Gunns Plains region, was asked to identify areas in the region with the greatest potential for the development of economic, carbonate hosted Pb-Zn deposits. Dr Burrett identified the Standard Hill area as the most prospective because:

- Sphalerite has been identified in outcrop at the eastern end of Standard Hill within the basal Standard Hill Formation of the Gordon Group.
- Two units within the Gordon Group in the Standard Hill area may have acted as barriers to migrating, mineralising fluids. They are the argillaceous Ugbrook Formation (immediately overlying the basal Standard Hill Formation) and the argillaceous/siliclastic Mole Creek Formation.

### **3.2. Exploration Completed in Tenure Year Two - 24 January 1997**

Further review of open file literature downgraded the potential for Pb-Zn mineralisation within the licence.

Dr. Clive Burrett concluded that the most prospective area was that around Standard Hill. It was recommended that other parts of the licence be relinquished.

No ground was relinquished as potential for fine grained gold in the Ordovician sediments was recognised. A review of the licence area indicated that little gold exploration had been undertaken previously.

Regional stream sediment sampling was proposed.

No geochemical samples were assayed by Rio Tinto Exploration Pty. Limited during the reporting period.

#### 4. Exploration Completed from 24 January 1997 to 13 November 1997

Stream sediment gold geochemistry, geology and magnetics were compiled over EL 57/94 and adjoining licences EL 28/96, EL 30/96 and EL 56/94 to select areas prospective for sediment-hosted gold mineralisation. Favourable areas were defined by the presence of Ordovician siliclastics (Moina Sandstone) and carbonates (Gordon Limestone) intruded by Devonian granite. Magnetics were used to define possible faults or buried granite.

A programme of stream sediment sampling was conducted over the four Northern Tasmanian licences between 27 January and 7 February 1997 with a total of 50 - 80# stream sediment, 50 pan concentrate and 20 rock chip samples collected. Of these, 36 stream sediment, 36 pan concentrate and 19 rock samples were collected from within EL 57/94 (Plan Tv1289). At each selected stream sediment site, a -80# stream sediment sample and a pan concentrate sample were collected. Creeks draining the Gordon Limestone were poorly defined and often carried no stream sediment. As such ten planned sample sites over this unit could not be collected.

Sample ledgers and assays are presented as Appendix 1. All samples were assayed by Amdel Adelaide. The -80# stream sediments and rock samples were assayed for: Au by 50g fire assay/ GFAAS finish (FA3); Ag, As, Bi, Cd, Mo, Pb, Sb, Th, U, W by mixed acid digest/ ICP-MS finish (IC3M); Co, Cr, Cu, Fe, Mn, Ni, Zn by mixed acid digest/ICP-OES finish (IC3E). The pan concentrates were assayed for Au by 50g fire assay/ GFAAS finish (FA3).

Elevated Au and As-Mo-W were reported from a number of stream sediment samples (Plan Tv1289):

5852307 (-80#SS):	33 ppb Au, 15.5 ppm W, 1.6 ppm Mo
5474906 (PANCON):	250 ppb Au
5474902 (PANCON):	770 ppb Au
5852303 (-80#SS):	34 ppb Au
5474930 (PANCON):	74 ppb Au
5852330 (-80#SS):	13.5 ppm As, 1.7 ppm Mo

Follow up of these low priority anomalies was not conducted due to the low tenor of results and Rio Tinto Exploration's higher priority targets elsewhere in South East District.

## 5. Discussion of Results

Geochemical exploration for sediment-hosted, sulphide poor, fine grained gold mineralisation within EL 57/94 and adjoining licences EL 28/96, EL 30/96 and EL 56/94 has identified a number of low priority anomalies. Due to the low tenor of anomalism and higher priority exploration elsewhere they were not followed up. As no further work was planned pursuing either Irish-style Pb-Zn or sediment-hosted Au mineralisation, the licence was surrendered on 13 November 1997.

## 6. Rehabilitation

No surface disturbing activities were conducted and as such no rehabilitation was required.

## 7. Expenditure

Total expenditure for the Mole Creek West exploration licence EL 57/94 for the period 24 January 1997 to 13 November 1997 is \$26,457. Expenditure is detailed in Table 2.

## 8. References

- |                  |      |  |
|------------------|------|--|
| Menpes, SA       | 1996 | First Annual Report for the Period Ending 24 January 1996 EL 57/94 Mole Creek West, Tasmania.<br><i>CRAE Report No. 21982</i>  |
| von Storkirch, T | 1997 | Second Annual Report for the Period Ending 24 January 1997 EL 57/94 Mole Creek West, Tasmania.<br><i>CRAE Report No. 23340</i> |

**9. Location**

Burnie	SK55-3	1:250,000
Mersey	8114	1:100,000
Forth	8115	1:100,000
Cethana	4240	1:25,000
Liena	4239	1:25,000
Gog	4440	1:25,000
Mole Creek	4439	1:25,000
Lake Mackenzie	4438	1:25,000

**10. Keywords**

Gold \* Tasmania \* Base Metals \* Ordovician \* Carbonate Hosted \*  
literature review

**11. DPO Register**

**81242** (Refer to table 1)

Table 1

Rio Tinto Exploration Pty. Limited  
DPO Register

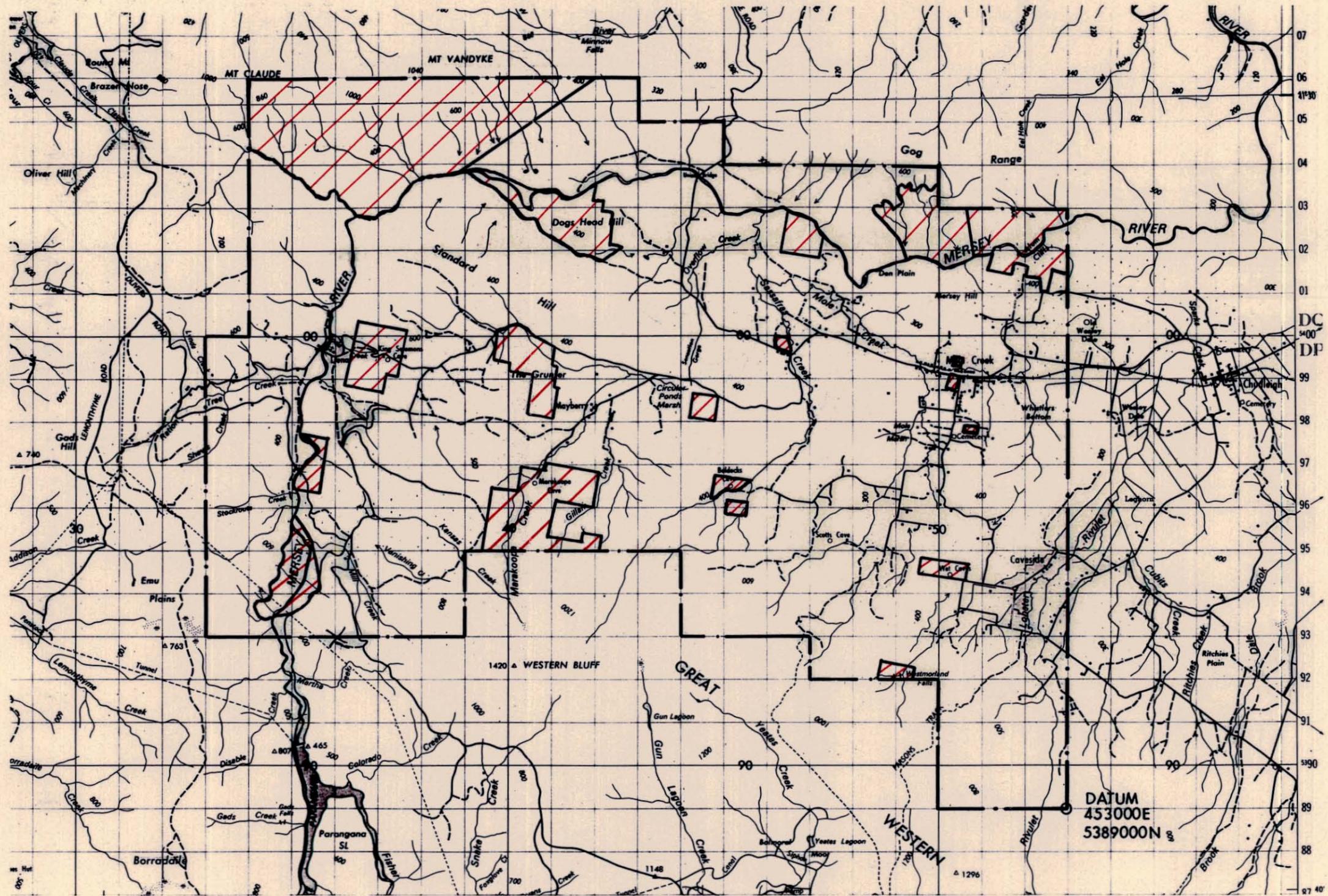
EL 57/94 Mole Creek West

DPO Number	Lab Name	Lab Location	Office Date	Geologist	Tenement Number	Tenement Name	Sample Type	Number of Samples	250,000 Map Sheet
81242	Amdel	Adelaide	12/3/97	M. Donnelly	57/94	Mole Creek West	Stream Sed. Rk. Pan Con	36 19 36	Burnie SK55-03

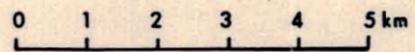
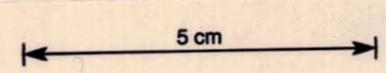
Table 2

**EL 57/94 Mole Creek West  
Expenditure Table**

	<b>24/1/97 to 13/11/97</b>	<b>TOTAL</b>
<b>Drilling</b>	0	0
<b>Contractors</b>	0	0
<b>Laboratory</b>	2,515	2,515
<b>Rent &amp; Property</b>	324	1,626
<b>Payroll &amp; Benefits</b>	8,688	12,256
<b>Field &amp; Transport</b>	4,404	6,906
<b>Travel &amp; Accommodation</b>	0	2,770
<b>Computer Services</b>	494	494
<b>Professional</b>	0	0
<b>Office &amp; Miscellaneous</b>	1,721	3,351
<b>District Administration</b>	3,028	3,743
<b>Regional Costs</b>	5,243	5,741
<b>Tenements</b>	40	14,421
<b>TOTAL</b>	<b>26,457</b>	<b>53,823</b>



 EXCLUDED AREAS



RIO TINTO EXPLORATION PTY. LIMITED

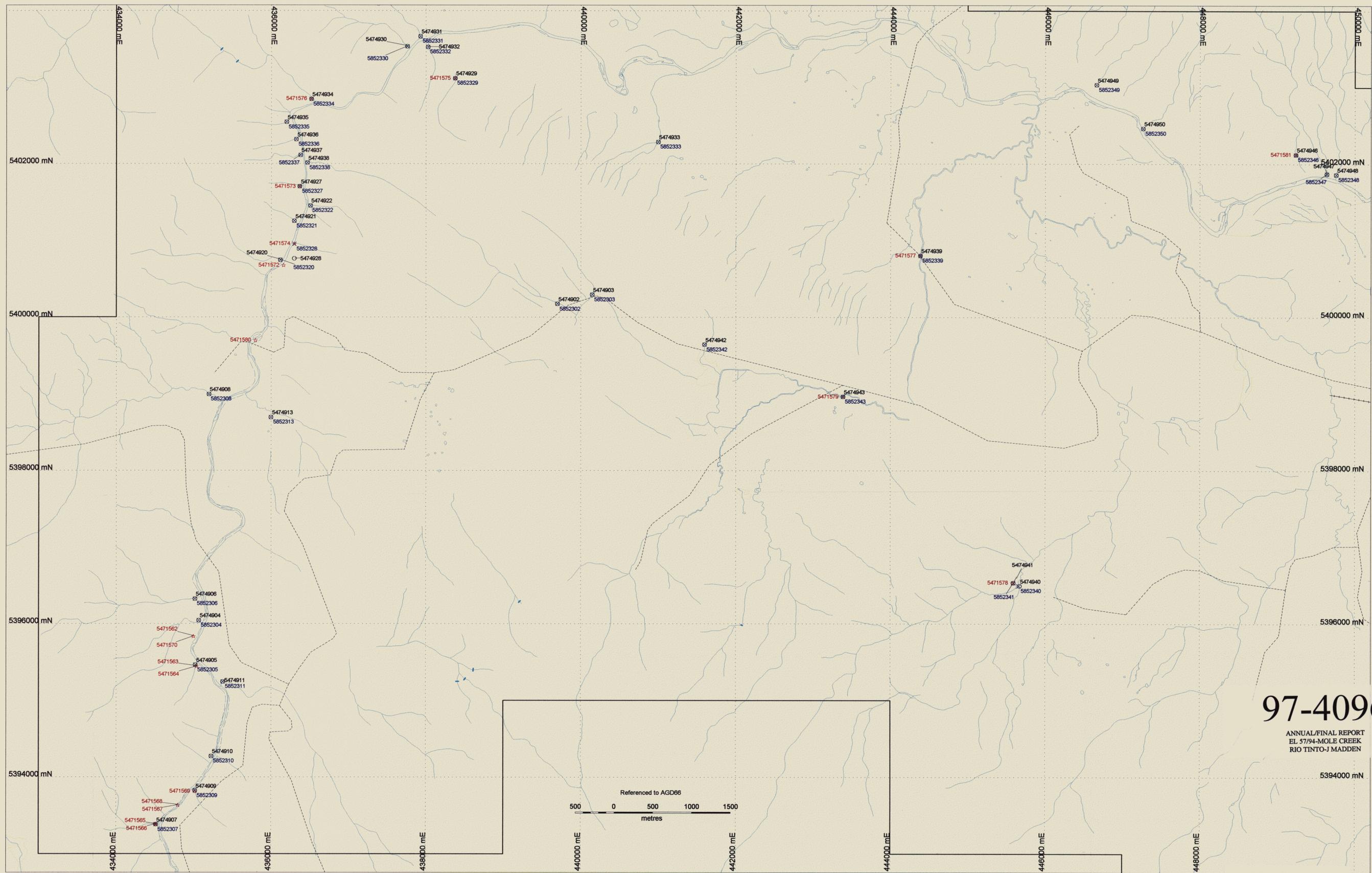
MOLE CREEK WEST EL 57/94

LOCATION PLAN

262012

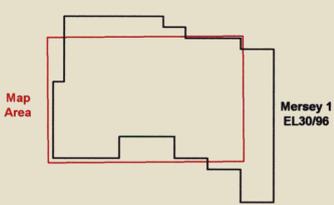
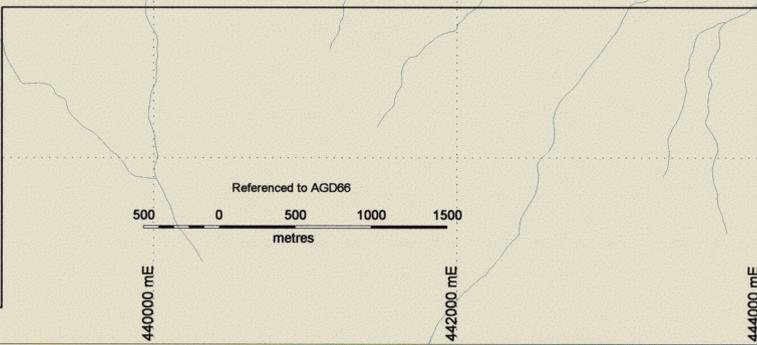
Ref.: SK55-3	Scale: 1:100 000
Author: S.A. Menpes	Report No.: 23645
Drawn: A. Jelen	Plan No.: Tv 1060

May 1996

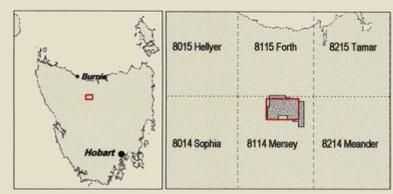


**97-4096**

ANNUAL/FINAL REPORT  
EL 57/94-MOLE CREEK  
RIO TINTO-J MADDEN



- ▲ mountain
- track
- railway
- drainage
- lake
- EL
- 5474923 Pan Concentrate Sample
- × 5852391 Stream Sediment Sample
- ☆ 5471571 Rock Sample



RIO TINTO EXPLORATION PTY. LIMITED	
<b>Mole Creek West 1 EL57/94</b>	
Exploration Summary	
<b>262013</b>	
Author: S Russell	Reference: SK55-03 Burnie
Drawn: N Waterman	File Name: Tv1289.vor
Date: December 1997	Report No: 23845
Scale: 1:25,000	Plan No: Tv1289

Digital topography supplied by Land Information Bureau

**Appendix 1**

**Sample Register**

SAMPLE NO	EL NAME	EL NUMBER	DPO	CATEGORY	AMG EAST	AMG NORTH	ZONE	FIELD ID	TEXTURE	ALT/MIN	COLOUR	MAG SUS	COMMENTS	Au	Co	Cr	Cu	Fe	Mn	Ni	Zn	Ag	As	Bi	Cd	Mo	Pb	Sb	Th	U	W
5471562	MICRK WEST	57/94	81242		435000	5395840	55	Ssa	Gs	Ja	B	0.05	Sulphur looking heavily quartz veined, possibly contains pyrite	-0.001	6	230	8	2.41	35	18	3	0.4	5.5	0.2	-0.1	1.8	29	1	4.8	1.2	0.6
5471563	MICRK WEST	57/94	81242	RK float	435040	5395450	55	Cal	Fe	He	B	0.1	Altered sandstone	-0.001	7	270	19	5.38	165	20	15	0.3	8.5	0.2	-0.1	2.9	16.5	0.5	6	1.2	0.6
5471564	MICRK WEST	57/94	81242	RK float	435040	5396450	55	Ssa	Al		LG	0.05	Possibly sericitised	-0.001	3	110	5	1.54	70	8	5	0.2	3.5	0.1	-0.1	2	15	-0.5	4	0.89	0.6
5471565	MICRK WEST	57/94	81242	RK	434515	5393390	55	Mec	Sc	Cl		0.2	Quartz blotite, chlorite spotted schist	-0.001	12	125	24	4.63	280	23	52	0.3	7.5	0.3	-0.1	0.8	16.5	-0.5	24.5	4	2.4
5471566	MICRK WEST	57/94	81242	RK	434510	5393390	55	Igr	Al	He,		2	microgranite	-0.001	10	61	9	4.37	220	18	98	0.3	15.5	0.5	0.1	0.5	38	1	16.5	3	1.6
5471567	MICRK WEST	57/94	81242	RK grab	434800	5393640	55	Igr	Al Vs, Fr	He, ML, Py, Cp, Ep	K	40	High graded sample	0.002	37	160	10	7.52	220	48	20	0.4	1	0.1	-0.1	24	5	-0.5	21	41	1.4
5471568	MICRK WEST	57/94	81242	RK grab	434800	5393640	55	Igr	Al Vs, Fr	Cl, Ep, Py, Cp	K	9	Low graded sample	-0.001	14	110	3	4	300	38	24	0.3	1	-0.1	-0.1	0.7	8.5	-0.5	17.5	3.8	0.5
5471569	MICRK WEST	57/94	81242	RK	435020	5393920	55	Sch	Lm		N, W, P	0.2	Laminated cherty siltstone	-0.001	10	83	17	3.43	270	16	32	0.3	12.5	2.2	-0.1	1.6	8.5	-0.5	24.5	3.2	2.3
5471570	MICRK WEST	57/94	81242	RK grab	435000	5395840	55	Mq	Ga	Py, Js		0.05	High graded sample from 15cm band in quartzite	-0.001	11	320	9	2.73	55	21	4	0.5	9	0.2	-0.1	3.3	52	2	6.5	2	1
5471572	MICRK WEST	57/94	81242	RK grab	436180	5400860	55	Sas	Vq, Al		V	0.05	Moine Ssa	-0.001	-2	195	9	4.45	40	5	72	0.3	14.5	0.4	0.2	1.9	63	3	16	3	4.8
5471573	MICRK WEST	57/94	81242	RK float	436370	5401710	55	Et	Vq	Ep	K	0.8	Quartz veins contain minor apatite	-0.001	10	210	27	2.89	1050	28	175	0.2	2.5	-0.1	0.1	2.2	150	1	13.5	2.7	2.4
5471574	MICRK WEST	57/94	81242	RK grab	438300	5400960	55	Mq	Fe	Py, He	R, V	0.05	Pyrite grains	-0.001	-2	110	3	1.14	85	5	13	0.2	2.5	-0.1	-0.1	1.4	9	0.5	7	1.65	1.7
5471575	MICRK WEST	57/94	81242	RK float	438380	5403120	55	Ssa	Gs, We	Ha	R	0.06	Coarse, extremely weathered vifine grains gold coloured specks in matrix	-0.001	4	320	-2	10.6	800	10	19	0.1	1.5	0.1	-0.1	2.1	5.5	-0.5	7	1.25	1.6
5471576	MICRK WEST	57/94	81242	RK float	438520	5402850	55	Sog		Py	D	0.05	Purple veining	-0.001	-2	175	3	1.75	70	18	10	0.3	2	0.3	-0.1	2.7	3.5	-0.5	26.5	1.85	1.6
5471577	MICRK WEST	57/94	81242	RK float	444390	5400810	55	Mq/Ssa	Vn			0.05	Purple veining	-0.001	-2	195	10	5.54	45	4	3	0.3	2.5	0.3	-0.1	2.3	9	0.5	8.5	2.6	1.5
5471578	MICRK WEST	57/94	81242	RK float	445590	5396540	55	Sls	Vc, Vq		D, G	0.05		-0.001	-2	8	-2	0.245	105	7	23	0.1	<0.5	-0.1	-0.1	-0.1	1	-0.5	1	0.3	0.7
5471579	MICRK WEST	57/94	81242	RK float	443390	5398970	55	Mq		Py	D, G	0.03	Fined grained pyrite present	-0.001	-2	165	5	0.755	50	7	3	0.3	2.5	0.2	-0.1	4.1	4	-0.5	1.5	0.22	0.7
5471580	MICRK WEST	57/94	81242	RK float	435800	5399700	55	Eb	Al, We	Cp	D, G	0.6	Calcite within cavities	-0.001	33	98	36	6.68	950	70	99	0.4	1	-0.1	0.1	0.9	1	-0.5	3	0.55	0.8
5471581	MICRK WEST	57/94	81242	RK float	449240	5402130	55	Cag	Gs		B	0.3	Limonite, possibly Goethite	-0.001	29	74	-2	39.8	1350	36	190	0.2	61	0.2	-0.1	0.9	33.5	-0.5	8.5	2.3	0.5

202015

SAMPLE NO	EL NAME	EL NUMBER	DPO	SAMPLE TYPE	CATEGORY	AMG EAST	AMG NORTH	ZONE	GOLD COUNT	DOMINANT HM	AMOUNT	OTHER HM	TRAP SITE	Au ppm	Au Dp ppm
5474902	M/CRK WEST	57/94	81242	PANCON	HM	439700	5400180	55	0		trace			0.77	0.8
5474903	M/CRK WEST	57/94	81242	PANCON	HM	440150	5400300	55	0				fair	0.005	
5474904	M/CRK WEST	57/94	81242	PANCON	HM	435070	5396050	55	0	magnetite	trace		fair	0.015	
5474905	M/CRK WEST	57/94	81242	PANCON	HM	435025	5395470	55	0				fair	0.005	
5474906	M/CRK WEST	57/94	81242	PANCON	HM	435020	5396330	55	0	magnetite	trace		fair	0.25	
5474907	M/CRK WEST	57/94	81242	PANCON	HM	434515	5393390	55	0	magnetite	common		good	0.025	
5474908	M/CRK WEST	57/94	81242	PANCON	HM	435200	5399000	55	0	magnetite	trace		fair	0.002	
5474909	M/CRK WEST	57/94	81242	PANCON	HM	435020	5393830	55	0	magnetite	abundant	hemalite	poor	0.013	
5474910	M/CRK WEST	57/94	81242	PANCON	HM	435230	5394280	55	0	magnetite	abundant	hemalite	fair	0.005	
5474911	M/CRK WEST	57/94	81242	PANCON	HM	435380	5395250	55	0	magnetite	trace		fair	0.045	
5474913	M/CRK WEST	57/94	81242	PANCON	HM	436000	5398700	55	0	magnetite	trace		poor	0.01	
5474920	M/CRK WEST	57/94	81242	PANCON	HM	436120	5400750	55	0	magnetite	trace		poor	0.05	
5474921	M/CRK WEST	57/94	81242	PANCON	HM	436300	5401260	55	0	magnetite	trace		poor	-0.001	
5474922	M/CRK WEST	57/94	81242	PANCON	HM	436510	5401460	55	0		trace			-0.001	
5474927	M/CRK WEST	57/94	81242	PANCON	HM	436370	5401710	55	0	magnetite	trace		poor	-0.001	
5474928	M/CRK WEST	57/94	81242	PANCON	HM	436300	5400770	55	0	magnetite	trace		poor	0.002	
5474929	M/CRK WEST	57/94	81242	PANCON	HM	438380	5403120	55	0	magnetite	trace		fair	-0.001	
5474930	M/CRK WEST	57/94	81242	PANCON	HM	437760	5403540	55	0				good	0.074	
5474931	M/CRK WEST	57/94	81242	PANCON	HM	437930	5403670	55	0				fair	0.021	
5474932	M/CRK WEST	57/94	81242	PANCON	HM	438030	5403530	55	0				poor	-0.001	
5474933	M/CRK WEST	57/94	81242	PANCON	HM	441000	5402290	55	0		trace			-0.001	
5474934	M/CRK WEST	57/94	81242	PANCON	HM	436520	5402850	55	0	magnetite	trace	hemalite	poor	-0.001	
5474935	M/CRK WEST	57/94	81242	PANCON	HM	436200	5402550	55	0					0.002	
5474936	M/CRK WEST	57/94	81242	PANCON	HM	436325	5402325	55	0	magnetite	trace		fair	0.007	
5474937	M/CRK WEST	57/94	81242	PANCON	HM	436380	5402120	55	0	magnetite	abundant		good	0.001	
5474938	M/CRK WEST	57/94	81242	PANCON	HM	436470	5402020	55	0		trace		fair	0.002	
5474939	M/CRK WEST	57/94	81242	PANCON	HM	444390	5400810	55	0				fair	0.002	
5474940	M/CRK WEST	57/94	81242	PANCON	HM	445670	5396500	55	0	magnetite	trace		fair	-0.001	
5474941	M/CRK WEST	57/94	81242	PANCON	HM	445600	5396540	55	0	magnetite	trace		fair	-0.001	
5474942	M/CRK WEST	57/94	81242	PANCON	HM	441600	5399650	55	0	magnetite	trace		poor	-0.001	
5474943	M/CRK WEST	57/94	81242	PANCON	HM	443390	5398970	55	0	magnetite	trace		fair	-0.001	
5474946	M/CRK WEST	57/94	81242	PANCON	HM	449240	5402130	55	0	magnetite	trace		fair	0.002	
5474947	M/CRK WEST	57/94	81242	PANCON	HM	449640	5401880	55	0		trace		fair	-0.001	
5474948	M/CRK WEST	57/94	81242	PANCON	HM	449760	5401870	55	0		trace		fair	-0.001	
5474949	M/CRK WEST	57/94	81242	PANCON	HM	448670	5403040	55	0		trace		poor	-0.001	
5474950	M/CRK WEST	57/94	81242	PANCON	HM	447270	5402470	55	0		trace		poor	0.005	0.006

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SAMPLE NO	EL NAME	EL NUMBER	DPO	SAMPLE TYPE	CATEGORY	AMG EAST	AMG NORTH	ZONE	DOMINANT LITH	Au	Au Dp1	Co	Cr	Cu	Fe	Mn	Ni	Zn	Ag	As	Bi	Cd	Mo	Pb	Sb	Th	U	W
5852302	M/CRK WEST	57/94	81242	-80#SS	SS	439700	5400180	55	LG, Sss	<1		<2	10	8	4250	5	<2	5	0.2	1	0.4	<0.1	0.3	5	<0.5	2.4	0.64	0.4
5852303	M/CRK WEST	57/94	81242	-80#SS	SS	440150	5400300	55	DG, Sss	34		<2	7	5	3050	15	<2	3	0.5	0.5	0.1	<0.1	0.2	4	<0.5	1.85	0.46	0.4
5852304	M/CRK WEST	57/94	81242	-80#SS	SS	435070	5396050	55	LG, Sss	1		10	63	13	19500	350	26	29	0.7	1.5	0.1	<0.1	0.5	7	<0.5	14.5	2.2	0.6
5852305	M/CRK WEST	57/94	81242	-80#SS	SS	435025	5395470	55	G, Sss	<1		10	145	10	27100	260	32	18	0.6	1	0.1	<0.1	0.4	5.5	<0.5	88	7.5	0.8
5852306	M/CRK WEST	57/94	81242	-80#SS	SS	435020	5396330	55	G, Eb, Edc	<1		24	140	25	50000	700	88	91	1.3	1.5	0.1	0.2	0.5	12.5	<0.5	11	1.15	0.6
5852307	M/CRK WEST	57/94	81242	-80#SS	SS	434615	5393390	55	Igr	33		26	165	16	52600	440	55	64	0.6	2.5	0.2	0.2	1.6	17.5	<0.5	45	6.5	15.5
5852308	M/CRK WEST	57/94	81242	-80#SS	SS	435200	5399000	55	G, Eb	3		40	260	33	75200	1150	130	115	0.4	1	<0.1	0.2	0.8	8.5	<0.5	5.5	0.66	6
5852309	M/CRK WEST	57/94	81242	-80#SS	SS	435020	5393830	55	Igr	1		35	250	9	127000	330	21	27	0.6	1.5	0.2	<0.1	1.2	7.5	<0.5	28	5.5	5.5
5852310	M/CRK WEST	57/94	81242	-80#SS	SS	435230	5394280	55	Igr	<1		25	440	12	88600	500	62	33	1	1.5	0.2	<0.1	1.7	9	<0.5	195	16	4
5852311	M/CRK WEST	57/94	81242	-80#SS	SS	435380	5395250	55	Sss	<1		15	45	10	21000	500	33	55	0.3	1.5	0.1	0.1	0.6	11.5	<0.5	31	2.5	3.4
5852313	M/CRK WEST	57/94	81242	-80#SS	SS	436000	5398700	55	Sss	<1		6	28	7	16500	230	20	130	0.4	5	0.2	0.3	0.6	23.5	0.5	8.5	1.45	1.4
5852320	M/CRK WEST	57/94	81242	-80#SS	SS	436120	5400750	55	LG, Sss	2		9	29	8	17300	260	28	75	0.3	1	<0.1	0.1	0.2	15.5	<0.5	17	1.85	1
5852321	M/CRK WEST	57/94	81242	-80#SS	SS	436300	5401260	55	DG, Sss	<1		8	97	11	41300	400	26	69	0.3	<0.5	0.1	0.2	<0.1	15.5	<0.5	16.5	3.1	0.4
5852322	M/CRK WEST	57/94	81242	-80#SS	SS	436510	5401460	55	Sss	<1		<2	17	8	6350	45	3	11	0.3	1	<0.1	<0.1	0.2	6.5	<0.5	4.9	0.91	1
5852327	M/CRK WEST	57/94	81242	-80#SS	SS	436370	5401710	55	Sss	<1		11	115	14	45000	600	30	87	0.2	3.5	0.1	0.1	0.3	29	<0.5	15.5	4.4	0.5
5852328	M/CRK WEST	57/94	81242	-80#SS	SS	436300	5400960	55	Sss	<1		15	90	15	37800	650	43	81	0.5	1.5	0.2	0.2	0.3	17.5	<0.5	19.5	2.6	1
5852329	M/CRK WEST	57/94	81242	-80#SS	SS	438380	5403120	55	LG, Mq	<1		<2	14	8	6650	60	4	9	<0.1	1	<0.1	<0.1	0.3	9	<0.5	3.5	0.75	0.7
5852330	M/CRK WEST	57/94	81242	-80#SS	SS	437760	5403540	55	Scg, WP, Mq	<1		<2	60	6	18200	85	6	18	0.2	13.5	0.2	<0.1	1.7	10	0.5	7.5	1.75	0.9
5852331	M/CRK WEST	57/94	81242	-80#SS	SS	437930	5403670	55	Sss	<1		<2	4	6	5100	60	4	2	0.2	0.5	<0.1	<0.1	0.3	2.5	<0.5	1.8	0.46	0.9
5852332	M/CRK WEST	57/94	81242	-80#SS	SS	438030	5403530	55	Sss	<1		<2	22	8	7950	65	5	7	0.2	1	<0.1	<0.1	0.4	3	<0.5	3.4	0.58	0.7
5852333	M/CRK WEST	57/94	81242	-80#SS	SS	441000	5402290	55	Sss	<1		<2	8	6	8050	45	3	7	0.2	1	<0.1	<0.1	0.3	3	<0.5	2.8	0.58	0.7
5852334	M/CRK WEST	57/94	81242	-80#SS	SS	436520	5402850	55	Sss	4		3	32	7	13800	90	12	20	0.3	2	0.1	<0.1	0.3	10	0.5	5.5	1.05	0.9
5852335	M/CRK WEST	57/94	81242	-80#SS	SS	436200	5402550	55	Sch	5		8	72	17	24100	200	32	105	0.2	4	0.1	<0.1	0.5	21	0.5	14.5	3	1.1
5852336	M/CRK WEST	57/94	81242	-80#SS	SS	436325	5402325	55	Sss	1		14	83	13	31700	600	40	59	0.3	1.5	<0.1	0.1	0.6	11.5	<0.5	18.5	2.3	1
5852337	M/CRK WEST	57/94	81242	-80#SS	SS	436380	5402120	55	Sss	<1		3	145	11	54400	330	20	97	0.3	1.5	0.2	<0.1	0.3	26.5	<0.5	18	4.6	0.7
5852338	M/CRK WEST	57/94	81242	-80#SS	SS	436470	5402020	55	G, Sss	<1		4	21	11	13700	140	7	20	0.3	2.5	<0.1	<0.1	0.4	7	<0.5	3.8	0.69	0.5
5852339	M/CRK WEST	57/94	81242	-80#SS	SS	444390	5400810	55	Sss	<1		9	58	16	29600	800	33	78	0.2	5.5	0.2	0.2	1.2	20.5	<0.5	10	1.65	0.7
5852340	M/CRK WEST	57/94	81242	-80#SS	SS	445660	5396500	55	LG, Sss	<1		5	29	7	14600	175	14	63	0.2	2.5	<0.1	0.2	0.4	13	<0.5	22.5	2	0.9
5852341	M/CRK WEST	57/94	81242	-80#SS	SS	445600	5396540	55	Sss, Mq	<1		9	29	13	19100	490	23	58	0.3	2.5	0.1	0.2	0.6	13	<0.5	16.5	1.65	0.7
5852342	M/CRK WEST	57/94	81242	-80#SS	SS	441600	5396650	55	Sss	<1		<2	<2	5	1950	15	<2	8	0.1	<0.5	<0.1	<0.1	0.1	2.5	<0.5	2.3	0.51	0.7
5852343	M/CRK WEST	57/94	81242	-80#SS	SS	443390	5398970	55	Sss	<1	<1	6	40	6	15500	180	16	48	0.2	2.5	0.1	0.1	0.3	15	<0.5	22	1.95	0.9
5852346	M/CRK WEST	57/94	81242	-80#SS	SS	449240	5402130	55	LG, Sss	<1	<1	<2	15	5	6450	35	4	5	0.1	2	0.1	<0.1	0.1	4.5	<0.5	4	0.86	0.3
5852347	M/CRK WEST	57/94	81242	-80#SS	SS	449640	5401880	55	W, Sss	<1		<2	10	3	3950	45	2	<2	0.4	<0.5	<0.1	<0.1	0.1	1.5	<0.5	2.8	0.66	0.4
5852348	M/CRK WEST	57/94	81242	-80#SS	SS	449760	5401870	55	W, Sss	<1		<2	17	6	10000	85	6	7	0.2	1.5	<0.1	<0.1	0.5	5	<0.5	5	0.9	0.6
5852349	M/CRK WEST	57/94	81242	-80#SS	SS	446670	5403040	55	Sss	<1		11	36	6	24000	350	29	25	0.2	1	<0.1	<0.1	0.2	5	<0.5	5.5	0.68	0.4
5852350	M/CRK WEST	57/94	81242	-80#SS	SS	447270	5402470	55	Sss	<1		3	9	5	9100	105	7	6	0.3	0.5	<0.1	<0.1	0.2	3.5	<0.5	4	0.53	0.4

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