468001

SK55-4

PROJECT 507

PLACER EXPLORATION LIMITED

RENEWAL REPORT, 1990

EL 10/89, TOMBSTONE (MT SADDLEBACK) TASMANIA

RPT NO. TAS 6/90

90-3150

HOBART

JUNE 1990

P.D. ELLIS

468002

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KEYWORDS

TASMANIA	EXPLORATION
EL 10/89	GOLD
SK55-04	SILVER
TOMBSTONE	LEAD
MT SADDLEBACK	ZINC
MATHINNA BEDS	COPPER
GRANITE	ARSENIC
SCOTTSDALE BATHOLITH	8415 (FORESTER)

468004

CONTENTS

468005

LIST OF ILLUSTRATIONS

PLANS (In Pocket)

1. SUMMARY

EL 10/89, over the Tombstone/Mt Saddleback area, was obtained to explore for Carlin and/or Ketza River styles of gold mineralisation. These types of deposits would be expected to be associated with the intrusion of the Ordovician-Silurian Mathinna Beds by Devonian granite.

Regional drainage sampling using bulk cyanide leach (Au, Ag, Cu) and -20# stream sediment (Cu, Pb, Zn, Ag, Au) showed three anomalous areas in the Sweets Creek, Tombstone Creek headwaters and Memory Creek (?) drainage zones.

Follow-up of geological mapping, rock chip sampling and stream sediment sampling of the Sweets Creek area showed Au values to 0.28ppm in quartz stockworked float samples of Mathinna Beds. The source of this float needs to be located and evaluated.

The Tombstone Creek headwaters have consistent highly anomalous Au values (to 110ppb), the source of which need to be determined. The Memory Creek area tends to have spotty Au values and may not be significant (see the evaluation of EL 8/89, Claytons Creek - Ellis 1990).

Further work is required on Sweets Creek (drainage sampling and mapping and grid based mapping and sampling with possible IP surveys), Tombstone Creek headwaters (drainage mapping and sampling) and minor work on the Memory Creek area (drainage sampling).

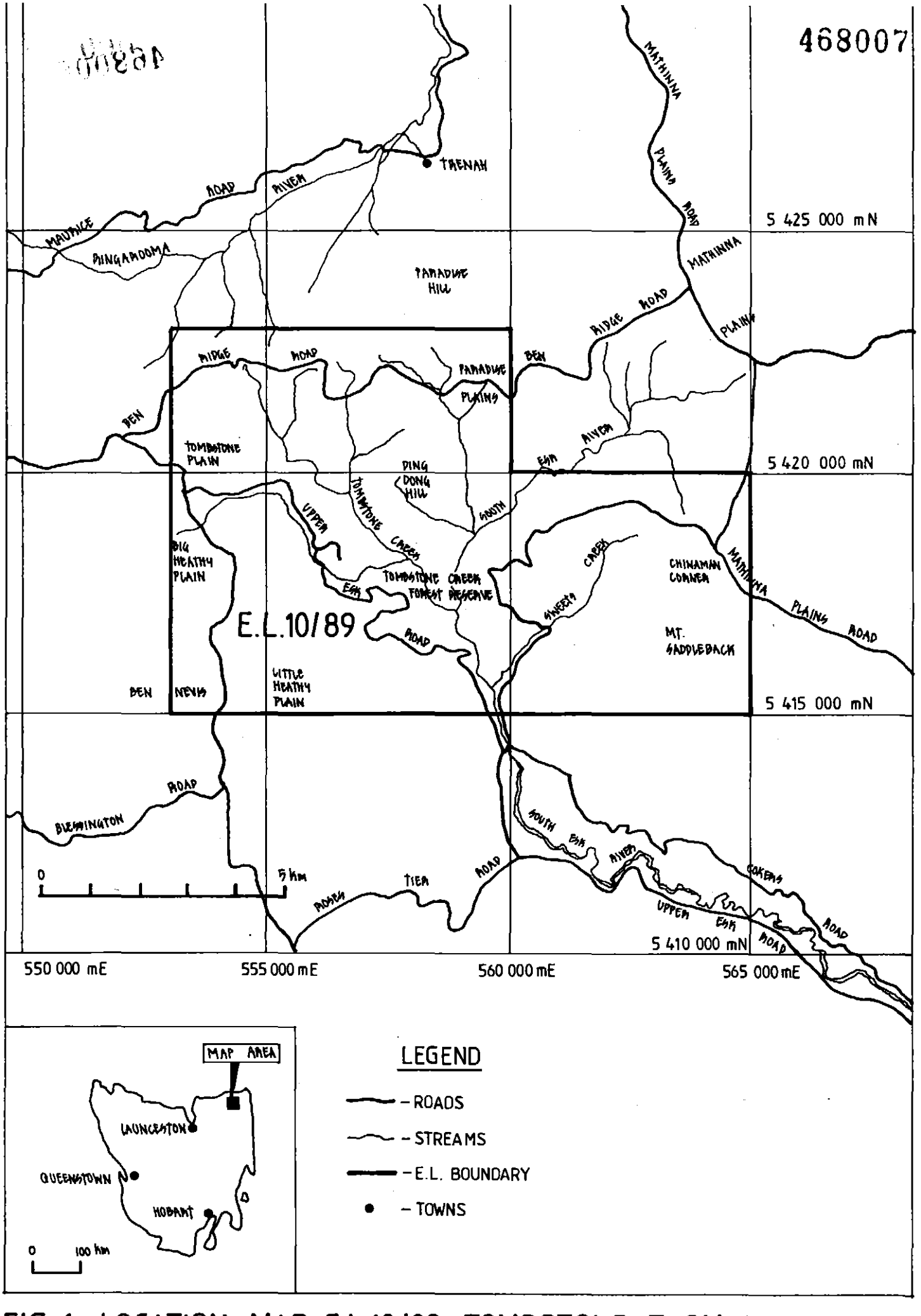


FIG. 1 LOCATION MAP, E.L.10/89 TOMBSTONE, TASMANIA.

2. INTRODUCTION

EL 10/89, Tombstone, is located 55km east of the major central northern Tasmanian city of Launceston (Figure 1). The Licence is centred on Ding Dong Hill about 15km west northwest of the small northeastern Tasmanian township of Mathinna. It extends northwards from Little Heathy Plain to Paradise Plains and westwards from Mathinna Plains to Big Heathy Plains.

The Licence was obtained by Placer Exploration Limited as a result of an application made in January 1989 over 81 sq kms of open ground. This was to explore an area underlain by Ordovician-Silurian Mathinna Beds and Devonian granite (Scottsdale Batholith) for Carlin style and/or Ketza River style gold mineralisation. EL 10/89 was granted to Placer Exploration Limited on the 7th July 1989 over an area of 77 sq. km. The reduced area excludes 4.1 sq. km. of Tombstone Creek Forest Reserve and 8 hectares of OS Heads held by G.J. & A. Miller (26M/72). The resultant 77 sq. km area of EL10/89 has an expenditure commitment of $40,000 over the first 3 years of tenure (i.e. before July 1992).

Very little prior work has been recorded for the area of the Licence. Minor work by Oceanic Exploration Co. and Australia and New Zealand Exploration Company was directed at W/Mo/Sn/Cu/Pb/Zn mineralisation with no Au analyses being completed. The area has probably been prospected extensively for coarse quartz vein related Au mineralisation and/or for granite related (griesen) Sn/Mo mineralisation, but records are hard to locate.

Ding Dong Mine?

This report summarizes and records the investigations completed by Placer Exploration in the initial period of EL10/89.

3. LOCATION AND GENERAL

EL 10/89 is centred 15 km west-northwest of the small village of Mathinna in northeast Tasmania, about 45km west from the east coast holiday village of Scamander and about 20km northwest of the Fingal valley centre of Fingal. The 8km (N-S) by 12km (E-W) area is in the headwaters of the South Esk River.

Excellent access to the Licence area is provided by a gravel continuation of the sealed Fingal to Mathinna road. This road (Upper Esk Road) traverses the Licence from south to north and then westwards along the northern edge of EL 10/89. Other various grade gravel roads and forestry tracks and fire trails provide good driving access to within 2kms of most parts of the E.L.

Half of the Licence (east) is underlain by a sequence of turbidic sandstone, siltstones and mudstones of the Ordovician-Silurian Mathinna Beds. Overlying these rocks at Mt Saddleback is a remnant of Permo Triassic sediments capped by Jurassic Dolerite. This dolerite cap supports very little vegetation with only minor sub-alpine grasses and scrubby shrubs. The Permo-Triassic sediments support a thin open eucalypt forest with a scrub underbrush. The remainder (western half) is underlain by granitic rocks of the Scottsdale Batholith. Both the Mathinna Bed and granite rocktypes support considerable variation in vegetation from rainforest to wet eucalypt to dry sclerophyll forests to open grasslands and swampy buttongrass plains. The rainforest generally occurs in the steeper gullies and south and southeast facing slopes. In the Tombstone Creek area a 4km^2 Forest Reserve covers an area of rainforest. Button grass swamps occur on the higher flat plain areas along with open grasslands on the better drained flats. Much of the eucalypt and rainforests areas up to the edge of the Tombstone Forest Reserve has been logged with parts being replanted with pine plantations.

The Licence area is drained mainly by the headwaters of the South Esk River. The northern edge is drained by the headwater streams of the Ringarooma River. Most of the streams of these rivers, in the Licence area, are steep and short being deeply incised into the underlying Mathinna Beds and granites. Elevations range from 1193m on Mt Saddleback to 850m on the higher plateau area, to around 360m in the South Esk River.

4. TITLE

Exploration Licence 10/89 (Tombstone) resulted from an application for an open area. The application, lodged on the 8th January 1989, covered an area of 81sq km of the contact between Devonian granite and Ordovician to Silurian sediments. This was thought to be prospective for Carlin and/or Ketza River styles of Au mineralisation.

The Licence (EL 10/89) was granted to Placer Exploration Ltd on the 7th July 1989 for a 12 month period. This covered an area of 77 sq kms and excluded 4.1 sq km of the Tombstone Creek Forest Reserve and 8 hectares of Mining Lease (26 M/72 held by G.J. & A. Miller for Os. Heads). The area is comprised mainly of State Forest with minor private land and parts are covered by parts of :

- the "South Esk River Headwaters" Australian Heritage Commission Act Interim Listing.

- the "Ben Nevis Foothills" and "Paradise Plains" Australian Heritage Commission Act Registered Entries.

EL 10/89 is subject to yearly renewals for a maximum period of ten years (until 7th July 1999). In July 1994 the area is to be reduced by half, to around 40 sq. kms.

011

468012

5. PREVIOUS EXPLORATION

Gold was the first metallic mineral discovered in Tasmania. It was discovered in 1852 at Mangana (The Nook) 28kms to the southeast of EL 10/89. Prospecting in the area continued at significant levels until the 1880's with the discovery of several goldfields (Beaconsfield in 1877, Lefroy in 1872, Mangana-Mathinna-Mt Horror) and the tin fields of the St Helens, Weldborough, Blue Tier, Branxholm and Gladstone districts (1874). By the 1920's all the goldfields in the area had been virtually abandoned.

Little record of the early work exists except for minor Mines Department reports.

With the upturn in the gold price the Golden Gate Mine at Mathinna reopened and is still operational. Generally the gold occurred in quartz reefs varying from millimetres to 10 metres thick.

However, despite the upturn of exploration since the 1960's very little exploration has been completed in the EL 10/89 area. The Australia New Zealand Exploration Company (ANZECO) explored the contact of the granites with the Mathinna Bed sediments in EL 32/71. Their main interest was tungsten around the granites of Northeast Tasmania. Conventional drainage sampling (-80# stream sediment and panned concentrate samples) from 24 sites was the only exploration technique used in or around the EL 10/89 area. Analyses for Mo, W, Sn and Cu showed no significant anomalous values with most analyses being below detection limits. The highest value was 20ppm Cu in only two samples.

Oceanic Exploration Company held part of the EL 10/89 area as part of its EL 22/70. Their main target was tin and tungsten deposits associated with the Devonian granites. Although analysing for Sn, W, Mo, and Cu, Oceanic also analysed stream sediment and panned concentrate drainage samples for a

large suite of elements (Sb, Zn, As, Au, Be, V, Co, Ni, Cr, Mn, Ta, Nb, Th, Pt, Pd, Os, Ir, Rh, Ru, Pb, Zn, Cd, Bi, Ag, Ga, and Ge) with little success. A very weak Zn/Cu anomaly occurred on Roses Tier. Geochemical techniques tended to have high detection limits and the Au (d.l. of 3ppm), As (d.l. of 50ppm) and Sb (d.l. of 30ppm) are of limited use.

No further investigations were recorded for the Tombstone area until Placer Exploration applied for the area in early 1989.

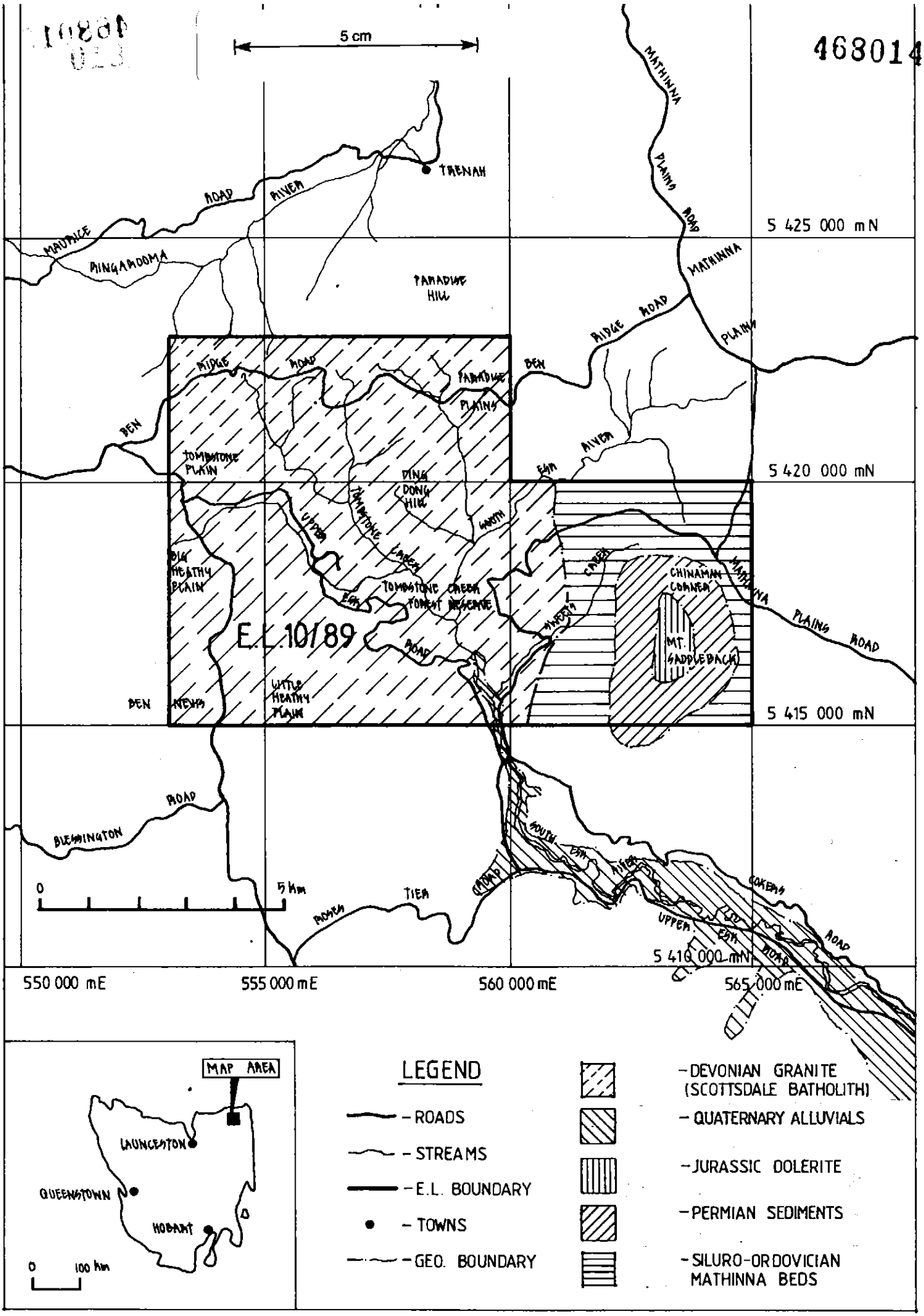


FIG.2 GEOLOGY SUMMARY, E.L.10/89 TOMBSTONE, TASMANIA.

6. GEOLOGY

The oldest rocks known in the Licence area (Figure 2) are the quartzwacke turbidite sequence known as the Mathinna Beds. These are thought to be dominantly Early Devonian to Silurian in age although some parts may be as old as Ordovician (or even Cambrian).

The Mathinna Beds is a sequence of interbedded sandstones, siltstones and mudstones which have been contact metamorphosed by Devonian Granites to psammites and spotted pelites. Within the EL 10/89 area they are composed mainly of sandstones and siltstones which have been folded and faulted probably during the Mid-Devonian Tabberabboran Orogony and the Late Devonian intrusion of the granites. The resultant foliation trends north-northwest and dips steeply to the southwest. Within the EL 10/89 area only minor metamorphism of the sediments have been observed although it would be expected that significant (1-2km wide) metamorphism would occur along the contact with the Devonian Scottsdale Batholith.

This granite body underlies the western half of the Licence. It tends to be a dominantly biotite-hornblende granodiorite to a coarse grained, pink, hornblende-biotite adamellite. There are also zones of medium to coarse grained, pink biotite adamellite and medium to coarse grained white biotite adamellite.

Mt Saddleback rises significantly above the plateau level of the Mathinna Beds/granite. It is composed of Permo-Triassic sediments capped with Jurassic Dolerite. The flat lying shallow marine to terrestrial sandstones, mudstones, conglomerates and "dirty" limestones of the Parmeener Supergroup are unconformably overlying the Mathinna Beds. These sediments were intruded by the dolerite sills which have protected remnants of the Perma-Triassic sediments from erosion. This has left a series of flat topped mountains

(peaking at around 1200m) throughout the northeast of Tasmania. Mt Saddleback, Ben Nevis and Mt Victoria are examples of these dolerite capped peaks in the vicinity of EL 10/89.

Minor Quarternary alluvials occur in the flatter areas of the South Esk River.

7. CURRENT EXPLORATION

7.1 Techniques

EL 10/89 was acquired to cover an area of Ordovician-Silurian Mathinna Bed sediments intruded by Devonian granites to form an environment possibly suitable for hosting and forming Carlin and/or Ketza River styles of Au mineralisation.

A review of previous exploration data showed that although the area has a long history of prospecting and small scale gold prospecting and mining there is little recorded gold exploration. All exploration (recorded) has been on the edge of W/Sn/Mo exploration with secondary exploration for Cu/Pb/Zn.

Initially Placer undertook broadly spaced drainage sampling. This sampling involved the taking of two samples from the major easily accessible drainages within the area. These samples were:

- a 5kg sample of -6mm active stream sediment for bulk cyanide leaching of extractable gold with additional silver and copper analyses.

- a 1kg conventional stream sediment sample for analysis of the -20# fraction for Cu, Pb, Zn, Au, Ag ± As, Sb, Sn (for reference and comparison of the bulk sample).

Anomalous sample sites were resampled for both sample types.

Confirmed anomalous drainages were further sampled with additional 5kg bulk leach samples and closer spaced 1kg stream sediment samples.

Geological mapping, rock chip and further detailed -20# stream sediment sampling was undertaken in the resultant anomalous Sweets Creek. The other anomalous streams have not yet been followed up.

7.2 Results

The review of previous exploration data showed no detailed systematic exploration of the Tombstone area had been completed. Despite the area being in a significant zone of quartz vein hosted gold mineralisation and granite related tin, tungsten and molybdenum mineralisation, little, if any, detailed evaluation of the area had been recorded. Minor old regional drainage geochemistry by ANZECO and Oceanic showed no Au anomalies and only low Sn, W, Mo, Cu, Pb, Zn values (many below the detection limit).

The initial Placer drainage sampling programme showed a 2.05ppb bulk leach Au anomaly in the South Esk River near Upper Esk. Detailed follow-up sampling of the anomalous drainages was undertaken. This involved -20# sampling of most of the tributaries of the anomalous streams, just above creek intersections. The -20# fraction was taken rather than the usual -80# fraction because of the lack of a significant amount of fine material in the high energy, steep tributaries. Comparison of -20# and -80# samples from an adjacent area showed only a slight increase in the Au values in -80# fraction. In the larger drainages further bulk leach samples were also taken. The bulk sampling follow-up confirmed that several streams in the headwaters of the South Esk River have anomalous gold (Appendix I, Sheets SK5504/507-1, -2). The main anomaly was in Sweets Creek and one of its main tributaries (3.3 and 0.55ppb Au), with other anomalies in Memory Creek (0.35ppb Au) and the South Esk River to the north of EL 10/89 (1.65ppb Au).

The follow-up -20# sampling confirmed the presence of anomalous gold in Sweets Creek, (Appendix II, Sheets SK5504/507-3, -4, -5) and one of its tributaries (20 and 18 ppb Au, respectively). Other drainages showed significant anomalous Au values. Although Memory Creek showed anomalous Au in the bulk sample the -20# sample showed little Au. However the stream to the north of Memory Creek (draining the Upper Esk and Memory

Roads) showed 24ppb Au in the -20# sample. More significant -20# Au anomalies occurred in the headwaters of Tombstone Creek where a series of samples showed 30, 50, 95 and 110 ppb Au.

Other analysed elements in the -20# sample showed little encouragement. In the Sweets Creek area zinc values were slightly elevated (80ppm - double values elsewhere), as were As values (17ppm - again double). Similar As values occurred in the Au anomalous area in the headwaters of Tombstone Creek.

The Sweets Creek area was geologically mapped, rock chip sampled and further -20# drainage sampled. This mapping showed the main rocks to be monotonous, massive, fine grained micaceous to feldspathic sandstones with some siltstone zones. In Sweets Creek iron stained, quartz stockworked micaceous sandstone float showed up to 0.28ppm Au, 82ppm Zn and 2350ppm As (Appendix III). Outcrop of this rock was not located in this programme. Stream sediment samples confirmed anomalous Au values of this area (Appendix IV).

Geological mapping, rock chip sampling and drainage sampling in the vicinity of the Department of Mines anomalous rock chip sample (C103813 from 564550E 5419050 mN with 8.6ppm Au) showed no anomalous geochemistry. Further work is required to determine the discrepancy between the Mines Department and Placer sampling.

?!

anom. Au in stream sed ≤ 39ppb - SK550#/604-S

7.3 Proposed Exploration

The regional exploration has shown several areas of anomalous Au in drainage samples, these being :

- Sweets Creek
- Memory Creek area
- headwaters of Tombstone Creek

Follow-up of the Sweets Creek anomaly showed anomalous Au in rock chip samples of a quartz vein stockworked micaceous sandstone (as float). The source of this stockworked float is to be located by further geological mapping and sampling before the area is gridded. The grid (100-200m spaced lines with 25m sample intervals) will be traversed by geological mapping, rock chip sampling and soil sampling. An I.P. survey may be completed (if warranted) in an attempt to define drill targets.

The Memory Creek and Tombstone Creek headwater anomalous areas will be further investigated by further drainage and rock chip sampling and geological mapping. This may define a source area for the anomalous Au values.

8. REFERENCES

CALLOW, K.J., 1971. Report on Exploration Licence 32/71, Diddleum Plains, Tasmania. Unpub Rept of Aust & New Zealand Expl Co.

CHRONIC, J. and GALLAGHER, A.V., 1971. A Molybdenum Prospect in Tasmania EL 22/70. Unpub Rept of Oceanic Expl Pty Ltd

ELLIS, P.D., 1990. Relinquishment Report for 12 months to June 1990, EL 8/89 Claytons Creek. Unpub Placer Rpt No TAS 4/90

APPENDIX I

REGIONAL DRAINAGE GEOCHEMISTRY

BULK CYANIDE LEACH SAMPLE ANALYSES

CLASSIC COMLABS LTD

Analytical Laboratories (INC. IN W.A.)

Job: 9AD1500
O/N: 1180

468023

ANALYTICAL REPORT

	Sample	Cu	Ag	Au	
1901	700552	<0.1	<0.02	0.35	—
1902	700554	0.1	<0.02	<0.05	
3	700562	<0.1	<0.02	<0.05	
4	700564	<0.1	<0.02	0.10	
5	700573	<0.1	<0.02	<0.05	
6	700611	<0.1	<0.02	<0.05	
1907	700613	<0.1	<0.02	<0.05	
	700615	L.N.R.	L.N.R.	L.N.R.	
1909	700617	0.1	<0.02	0.05	
1910	700638	0.1	<0.02	3.3	Tombstone
11	700640	0.2	<0.02	0.55	
12	700642	<0.1	<0.02	1.65	
13	700654	0.1	<0.02	0.10	
	700656	<0.1	<0.02	<0.05	NO LOCALITY GIVEN
14	700658	<0.1	<0.02	<0.05	
15	700660	<0.1	<0.02	0.10	
1916	700662	<0.1	<0.02	0.05	
	700664	0.1	0.02	0.05	NO LOCALITY GIVEN

Units	ppm	ppm	ppb
Detn Limit	0.1	0.02	0.05
Scheme	BLEG1	BLEG1	BLEG2

APPENDIX II

REGIONAL DRAINAGE GEOCHEMISTRY

STREAM SEDIMENT SAMPLE ANALYSES

CLASSIC COMLABS LTD

Analytical Laboratories (INC. IN W.A.)

Job: 9AD1499
O/N: 1463

468025

ANALYTICAL REPORT

Data base no. ↓

	Sample	Cu	Pb	Zn	Ag	As	Sb	Sn	
1953	700553 - 80#	4	5	14	<0.1	2	<4	4	
1955	700555 - 80#	5	8	28	0.5	5	<4	10	
57	700557 - 80#	3	4	20	<0.1	3	<4	8	
59	700559 - 80#	10	35	68	1.3	6	<4	10	Tombstone
61	700561 - 80#	6	16	42	0.4	3	<4	12	
65	700565 - 80#	6	18	34	0.5	2	5	8	
67	700567 - 80#	9	28	52	0.4	9	<4	15	
	700569 - 80#	7	22	50	0.5	2	<4	24	
	700571 - 80#	3	12	26	0.5	3	<4	8	no locality given
	700572 - 80#	2	4	5	<0.1	7	<4	68	6x12
1974	700574 - 80#	2	10	30	0.4	3	<4	6	
1976	700576 - 80#	2	30	36	0.9	9	<4	8	
1978	700578 - 80#	5	26	55	0.6	5	<4	4	
1980	700580 - 80#	<2	18	28	0.3	3	4	4	
1982	700582 - 80#	<2	12	22	0.2	4	<4	5	
	700583 - 80#	5	4	17	0.1	2	<4	140	~~6x~~ no locality
1985	700585 - 80#	4	28	50	0.5	7	<4	5	
1987	700587 - 80#	2	18	45	0.5	8	4	8	
	700589 - 80#	7	20	72	0.5	12	<4	8	
	700591 - 80#	14	15	85	0.7	2	<4	<4	no locality
1993	700593 - 80#	4	30	44	0.7	5	4	12	
1995	700595 - 80#	I.S.	I.S.	I.S.	I.S.	3	<4	18	
1997	700597 - 80#	4	18	30	0.3	2	<4	12	
1999	700599 - 80#	5	22	26	0.6	5	<4	14	
2002	700602 - 80#	5	6	7	0.2	5	<4	10	
2004	700604 - 80#	8	24	24	0.8	2	<4	10	
2006	700606 - 80#	8	15	20	0.8	4	<4	28	
2008	700608 - 80#	7	22	22	0.4	4	<4	12	
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
	Detn Limit	2	4	2	0.1	2	4	4	
	Scheme	AAS1	AAS1	AAS1	AAS2A	XRF1	XRF1	XRF1	
	Upper Scheme				AAS2C				

468026

CLASSIC COMLABS LTD

Analytical Laboratories (INC. IN W.A.)

Job: 9AD1499
O/N: 1463

ANALYTICAL REPORT

	Sample	Cu	Pb	Zn	Ag	As	Sb	Sn	
2010	700610 - 80#	8	16	12	0.3	4	<4	26	
2012	700612 - 80#	9	18	32	0.8	4	<4	24	
	700600 - 80#	3	<4	5	0.1	<2	5	40	~~6x12~~ no locality
2014	700614 - 80#	8	18	26	0.5	4	<4	10	
2016	700616 - 80#	11	20	50	0.7	6	<4	18	
2018	700618 - 80#	8	16	40	0.5	4	<4	30	
	700619 - 80#	3	<4	3	0.3	<2	<4	65	6x12
	700621 - 80#	12	12	70	0.9	10	<4	<4	
	700623 - 80#	11	15	76	0.5	13	<4	4	no locality
	700625 - 80#	11	16	96	0.7	11	4	5	
	700627 - 80#	17	25	110	0.9	20	<4	8	
	700629 - 80#	13	18	82	0.6	17	<4	8	
2031	700631 - 80#	10	18	64	0.8	11	<4	4	
33	700633 - 80#	26	38	16	0.4	6	<4	8	
35	700635 - 80#	11	28	16	0.9	42	<4	5	
37	700637 - 80#	8	14	16	0.4	16	<4	4	Tombstone
39	700639 - 80#	14	14	58	0.8	17	<4	6	
41	700641 - 80#	12	26	80	1.4	15	<4	8	
43	700643 - 80#	9	14	40	0.5	11	4	8	
45	700645 - 80#	8	15	42	0.8	7	<4	6	
47	700647 - 80#	9	16	34	0.7	13	<4	8	
49	700649 - 80#	8	12	16	0.4	22	<4	5	
	700650 - 80#	<2	4	2	0.1	<2	<4	480	~~6x12~~ locality
2053	700653 - 80#	5	35	54	1.1	3	<4	10	
2055	700655 - 80#	I.S.	I.S.	I.S.	I.S.	7	<4	16	
	700657 - 80#	6	12	26	0.8	6	<4	8	no locality
2059	700659 - 80#	7	14	32	1.3	8	<4	24	
2061	700661 - 80#	8	12	30	0.8	9	<4	8	
2063	700663 - 80#	8	20	48	0.4	7	<4	20	
	700665 - 80#	4	15	46	0.4	3	<4	10	no locality
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
	Detn Limit	2	4	2	0.1	2	4	4	
	Scheme	AAS1	AAS1	AAS1	AAS2A	XRF1	XRF1	XRF1	

468027

CLASSIC COMLABS LTD

Analytical Laboratories (INC. IN WA)

Job: 9AD1499
O/N: 1463

ANALYTICAL REPORT

Sample	Cu	Pb	Zn	Ag	As	Sb	Sn
2064 700563 - 80#	6	18	32	0.9	88	<4	8
700617 - 80#	44	25	260	0.8	9	<4	4
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Detn Limit	2	4	2	0.1	2	4	4
Scheme	AAS1	AAS1	AAS1	AAS2A	XRF1	XRF1	XRF1

Tombstone
~~Mapped~~ NO LOCALITY

CLASSIC COMLABS LTD
Analytical Laboratories (INC. IN W.A.)

Job: 9AD1499
O/N: 1463

ANALYTICAL REPORT

468028

Sample	Au Avg	Au Dp1	Au Dp2	Au Dp3
700553 - 80#	<2	--	--	--
700555 - 80#	2	--	--	--
700557 - 80#	<2	--	--	--
700559 - 80#	<2	--	--	--
700561 - 80#	<2	--	--	--
700565 - 80#	<2	--	--	--
700567 - 80#	2	--	--	--
700569 - 80#	<2	--	--	--
700571 - 80#	<2	--	--	--
700572 - 80#	2	--	--	--
700574 - 80#	2	--	--	--
700576 - 80#	8	--	--	--
700578 - 80#	<2	--	--	--
700580 - 80#	<2	--	--	--
700582 - 80#	<2	--	--	--
700583 - 80#	6	--	--	--
700585 - 80#	6	--	--	--
700587 - 80#	6	--	--	--
700589 - 80#	2	--	--	--
700591 - 80#	8	--	--	--
700593 - 80#	24	--	--	--
700595 - 80#	I.S.	--	--	--
700597 - 80#	12	--	--	--
700599 - 80#	2	--	--	--
700602 - 80#	6	--	--	--
700604 - 80#	110	--	I.S.	--
700606 - 80#	50	--	--	--
700608 - 80#	I.S.	--	--	--
Units	ppb	ppb	ppb	ppb
Detn Limit	2	2	2	2
Scheme	AAS9	AAS9	AAS9	AAS9

see p. 24
Data base no
1953
1999
2002
2008

Job: 9AD1499
O/N: 1463

ANALYTICAL REPORT

468029

See p. 25
Data base no.

	Sample	Au Avg	Au Dp1	Au Dp2	Au Dp3
2010	700610 - 80#	I.S.	--	--	--
	700612 - 80#	4	--	--	--
	700600 - 80#	4	--	--	--
	700614 - 80#	30	--	--	--
	700616 - 80#	95	--	I.S.	--
	700618 - 80#	12	--	--	--
	700619 - 80#	2	--	--	--
	700621 - 80#	20	--	--	--
	700623 - 80#	4	--	--	--
	700625 - 80#	6	--	--	--
	700627 - 80#	4	--	--	--
	700629 - 80#	<2	--	--	--
	700631 - 80#	2	--	--	--
	700633 - 80#	32	--	--	--
	700635 - 80#	<2	--	--	--
	700637 - 80#	20	--	--	--
	700639 - 80#	20	--	--	--
	700641 - 80#	18	--	--	--
	700643 - 80#	90	--	I.S.	--
	700645 - 80#	2	--	--	--
	700647 - 80#	4	--	--	--
	700649 - 80#	8	--	--	--
	700650 - 80#	2	--	--	--
	700653 - 80#	55	--	I.S.	--
	700655 - 80#	14	--	--	--
	700657 - 80#	I.S.	--	--	--
	700659 - 80#	I.S.	--	--	--
	700661 - 80#	I.S.	--	--	--
2063	700663 - 80#	I.S.	--	--	--
	700665 - 80#	16	--	--	--

Units	ppb	ppb	ppb	ppb
Detn Limit	2	2	2	2
Scheme	AAS9	AAS9	AAS9	AAS9

CLASSIC COMLABS LTD
Analytical Laboratories (INC. IN W.A.)

Job: 9AD1499
O/N: 1463

ANALYTICAL REPORT

468030

Sample	Au Avg	Au Dp1	Au Dp2	Au Dp3
700563 - 80#	<2	--	--	--
700817 - 80#	6	--	--	--
Units	ppb	ppb	ppb	ppb
Detn Limit	2	2	2	2
Scheme	AAS9	AAS9	AAS9	AAS9

see p.26.

2064

APPENDIX III

ROCK CHIP AND STREAM SEDIMENT

GEOCHEMISTRY RESULTS

CLASSIC LABORATORIES LTD
Incorporated in WA, a wholly owned subsidiary of Amdel Ltd
Osman Place, Thebarton, South Australia 5031
Telephone: (08) 43 5722 Facsimile: (08) 234 0321

468032

Mr Peter Ellis
Placer Exploration Limited
P.O. BOX 384
ROSNY PARK
TAS 7018

FINAL ANALYSIS REPORT

Your Order No: 1478 Our Job Number : 0AD1083

Samples received : 10-APR-1990 Results reported : 19-APR-1990
No. of samples : 78
Report comprises a cover sheet and pages 1 to 5

This report relates specifically to the samples tested in so far as that the samples as supplied are truly representative of the sample source.

Note:
If you have any enquiries please contact Mr David Eardley-Harris quoting the above job number.

Approved Signatory:

Dr John Kikkert
General Manager - Adelaide

Report Codes:
N.A. - Not Analysed.
L.N.R. - Listed But Not Received.
I.S. - Insufficent Sample.

Distribution Codes:
CC - Carbon Copy
EM - Electronic Media
MM - Magnetic Media

"RELIABLE ANALYSES AT COMPETITIVE COST"

CLASSIC LABORATORIES LTD

468033

Job: OAD1083
O/N: 1478

ANALYTICAL REPORT

Database no.

Sample	Au Avg	Au Dp1	Au Dp2	Au Dp3	Cu	Pb	Zn	
704801	<0.01	<0.01	--	--	18	16	28	
704802	<0.01	<0.01	--	--	12	10	38	
704803	0.01	0.01	--	--	8	<4	2	
704804	<0.01	<0.01	--	--	24	4	60	**
704805	<0.01	<0.01	--	--	17	12	46	**
704806	<0.01	<0.01	--	--	2	6	9	
704807	<0.01	<0.01	--	--	3	6	<2	
704808	<0.01	<0.01	--	--	16	12	68	
704809	0.02	0.02	--	--	2	10	5	**
704810	0.03	0.04	0.02	--	34	10	74	
704811	<0.01	<0.01	--	--	15	10	26	
704812	0.01	0.01	--	--	8	6	15	
704813	<0.01	<0.01	--	--	10	10	42	
704814	0.01	0.01	--	--	16	8	42	
704815	0.02	0.02	--	--	16	8	45	
704816	0.01	0.01	--	--	10	12	54	
704817	0.15	0.16	0.14	--	13	14	36	**
704818	0.14	0.11	0.17	--	11	14	30	**
704819	0.02	0.02	--	--	26	25	78	
704820	0.28	0.28	0.28	--	9	6	5	**
704821	0.01	0.01	--	--	20	6	82	
704822	0.11	0.10	0.11	--	20	10	14	**
704823	<0.01	<0.01	--	--	12	15	46	
704824	<0.01	<0.01	--	--	4	6	3	*
704825	0.01	0.01	--	--	8	12	34	
704826	<0.01	<0.01	--	--	15	10	40	
704827	0.01	0.01	--	--	12	6	44	
704828	0.01	0.01	--	--	13	16	48	
704829	0.01	0.01	--	--	15	20	42	
704830	<0.01	<0.01	--	--	7	8	48	
704831	<0.01	<0.01	--	--	10	14	38	
704832	<0.01	<0.01	--	--	12	20	50	
704833	0.01	0.01	--	--	9	12	24	
704834	0.01	0.01	--	--	15	15	28	
704835	0.02	0.02	--	--	15	16	36	
704836	<0.01	<0.01	--	--	6	<4	2	*
704837	<0.01	<0.01	--	--	17	14	58	
704838	<0.01	<0.01	--	--	14	12	36	
704839	0.02	0.02	--	--	16	12	40	
704840	0.01	0.01	--	--	11	14	20	
704841	<0.01	<0.01	0.01	--	13	15	22	
704842	0.01	0.01	--	--	6	4	4	**
704843	0.01	0.01	--	--	12	14	30	
704844	<0.01	<0.01	--	--	14	6	17	
704845	0.01	0.01	--	--	10	10	30	**
704846	<0.01	<0.01	--	--	19	14	32	
704847	0.02	0.02	--	--	<2	4	3	*
704848	<0.01	<0.01	--	--	5	8	5	
704849	<0.01	<0.01	--	--	10	14	15	
704850	0.01	0.01	--	--	6	<4	4	**
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Detn Limit	0.01	0.01	0.01	0.01	2	4	2	
Scheme	FA1	FA1	FA1	FA1	AAS1	AAS1	AAS1	

** rock chip only
* no locality given

CLASSIC LABORATORIES LTD

468034

Job: 0AD1083
O/N: 1478

ANALYTICAL REPORT

Data base no.

2254
2255

Sample	Au Avg	Au Dp1	Au Dp2	Au Dp3	Cu	Pb	Zn	
704851	0.01	0.01	--	--	5	8	4	rock chip only
704852	<0.01	<0.01	--	--	<2	8	3	
704853	<0.01	<0.01	--	--	5	8	4	
704854	0.01	0.01	--	--	9	8	74	
704855	0.01	0.01	--	--	7	8	42	
704858	0.01	0.01	--	--	5	10	72	no locality given
704860	<0.01	<0.01	--	--	9	12	72	
704862	0.01	0.01	--	--	10	18	84	
704864	0.02	0.02	--	--	8	14	105	
704866	<0.01	<0.01	--	--	22	32	120	
704868	<0.01	<0.01	<0.01	--	10	18	105	
704870	<0.01	<0.01	--	--	2	5	<2	
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
Detn Limit	0.01	0.01	0.01	0.01	2	4	2	
Scheme	FA1	FA1	FA1	FA1	AAS1	AAS1	AAS1	

CLASSIC LABORATORIES LTD

468035

Job: 0AD1083
O/N: 1478

ANALYTICAL REPORT

See p.32

Database no	Sample	Ag	As	
2201	704801	1	19	
	704802	<1	6	
	704803	<1	<2	
	704804	<1	10	
	704805	<1	10	**
	704806	<1	<2	
	704807	<1	3	
	704808	<1	13	
	704809	<1	8	**
	704810	1	14	
	704811	1	3	
	704812	<1	3	
	704813	<1	4	
	704814	1	5	
	704815	<1	<2	
	704816	<1	9	
	704817	<1	510	**
	704818	1	1850	
	704819	<1	30	
	704820	<1	2350	**
	704821	<1	30	
	704822	<1	2050	**
	704823	1	20	
	704824	<1	11	*
	704825	<1	7	
	704826	<1	5	
	704827	1	14	
	704828	<1	14	
	704829	<1	6	
	704830	<1	18	
	704831	<1	13	
	704832	<1	11	
	704833	<1	7	
	704834	1	18	
	704835	1	16	
	704836	<1	2	*
	704837	1	44	
	704838	<1	17	
	704839	1	12	
	704840	<1	8	
	704841	<1	6	
	704842	<1	11	**
	704843	<1	22	
	704844	<1	11	
	704845	1	8	**
	704846	1	18	
	704847	<1	<2	*
	704848	<1	10	
2249	704849	1	52	
	704850	<1	12	**
	Units	ppm	ppm	
	Detn Limit	1	2	
	Scheme	AAS2	XRF1	

Some rock chip only **
or no locality * - see p.32

CLASSIC LABORATORIES LTD

468036

Job: 0AD1083
O/N: 1478

ANALYTICAL REPORT

see p 33

Sample	Ag	As
704851	<1	3
704852	<1	5
704853	<1	4
2254 — 704854	<1	8
2255 — 704855	1	4
704858	<1	28
704860	1	11
704862	1	10
704864	1	10
704866	<1	25
704868	<1	30
704870	<1	2
Units	ppm	ppm
Detn Limit	1	2
Scheme	AAS2	XRF1

CLASSIC LABORATORIES LTD

468037

ANALYTICAL REPORT

Job: OAD1083
O/N: 1478

Detn base no.	Sample	Au	Ag	Cu
1917	704856	0.25	<0.02	0.1
1918	704857	0.10	<0.02	0.1
	704859	0.15	<0.02	0.1
	704861	<0.05	<0.02	0.1
	704863	<0.05	<0.02	<0.1
	704865	0.05	<0.02	0.2
	704867	0.30	<0.02	<0.1
	704869	2.00	<0.02	0.1
	Units	ppb	ppm	ppm
	Detn Limit	0.05	0.02	0.1
	Scheme	BLEG2	BLEG1C	BLEG1C

no localin given

APPENDIX IV

REPEAT STREAM SEDIMENT GEOCHEMISTRY

CLASSIC LABORATORIES LTD

Job: 0AD1676
O/N: 1485

468039

ANALYTICAL REPORT

Data base no	Sample	Ag	Cu	Pb	Zn	As	
2126	704126 -20#	<1	7	24	40	7	
2127	704127 -20#	<1	8	12	25	<2	
8	704128 -20#	<1	7	8	7	5	
9	704129 -20#	<1	9	10	28	2	
2130	704130 -20#	1	10	22	48	7	
1	704131 -20#	1	16	12	48	6	
2	704132 -20#	<1	6	15	30	7	
3	704133 -20#	<1	4	12	32	3	
2134	704134 -20#	1	14	14	44	14	
5	704135 -20#	<1	4	<4	<2	<2	
	704136 -20#	1	15	24	115	8	
	704137 -20#	1	17	26	94	15	
	704138 -20#	1	15	24	78	22	*
	704139 -20#	1	11	22	82	8	
	704140 -20#	1	12	18	66	6	
	704141 -20#	1	15	14	50	12	
2142	704142 -20#	1	9	15	40	2	
3	704143 -20#	1	14	22	34	9	
4	704144 -20#	<1	9	18	42	5	
5	704145 -20#	<1	19	12	50	16	
6	704146 -20#	<1	13	20	15	18	
7	704147 -20#	<1	8	4	6	2	
8	704148 -20#	<1	11	20	18	17	
2149	704149 -20#	<1	9	5	4	2	
	704150 -20#	<1	4	<4	2	<2	*
2151	704151 -20#	<1	6	4	4	3	
2	704152 -20#	<1	7	5	<2	2	
3	704153 -20#	1	20	26	52	11	
4	704154 -20#	<1	6	8	13	<2	
5	704155 -20#	<1	17	16	12	5	
6	704156 -20#	<1	13	15	20	4	
7	704157 -20#	1	12	16	30	8	
8	704158 -20#	<1	13	14	24	7	
9	704159 -20#	1	16	24	22	8	
2160	704160 -20#	<1	14	20	24	11	
1	704161 -20#	<1	15	16	26	9	
2	704162 -20#	<1	11	16	22	8	
3	704163 -20#	<1	13	12	13	5	
4	704164 -20#	1	9	16	28	12	
5	704165 -20#	1	11	28	22	18	
6	704166 -20#	<1	18	14	20	15	
7	704167 -20#	<1	15	16	17	12	
8	704168 -20#	<1	10	15	22	8	
2169	704169 -20#	<1	13	14	20	9	
	704170 -20#	<1	3	4	<2	<2	*
	Units	ppm	ppm	ppm	ppm	ppm	
	DL	1	2	4	2	2	
	Scheme	AAS2	AAS2	AAS2	AAS2	XRF1	

* no loading given

See preceding page

ANALYTICAL REPORT

Job: OAD1676
O/N: 1485

Data Lasers.

468040

	Sample	Au Avg	Au	Au Rpl	Au SSl	
2126	704126 -20#	<0.01	0.01	--	<0.01	
	704127 -20#	0.02	0.02	--	--	
	704128 -20#	<0.01	<0.01	--	--	
	704129 -20#	<0.01	<0.01	--	--	
	704130 -20#	<0.01	<0.01	--	--	
	704131 -20#	<0.01	<0.01	--	--	
	704132 -20#	<0.01	<0.01	--	--	
	704133 -20#	<0.01	<0.01	--	--	
2134	704134 -20#	<0.01	<0.01	--	--	
S	704135 -20#	<0.01	<0.01	--	--	
	704136 -20#	<0.01	<0.01	--	--	
	704137 -20#	<0.01	<0.01	--	--	
	704138 -20#	0.01	0.01	--	--	*
	704139 -20#	0.01	0.01	--	--	
	704140 -20#	<0.01	<0.01	--	--	
	704141 -20#	<0.01	<0.01	--	--	
2142	704142 -20#	<0.01	<0.01	--	--	
	704143 -20#	<0.01	<0.01	--	--	
	704144 -20#	<0.01	<0.01	--	--	
	704145 -20#	<0.01	<0.01	--	--	
	704146 -20#	<0.01	<0.01	--	<0.01	
	704147 -20#	<0.01	<0.01	--	--	
	704148 -20#	<0.01	<0.01	--	--	
2149	704149 -20#	<0.01	<0.01	--	--	
	704150 -20#	<0.01	<0.01	--	--	*
2151	704151 -20#	<0.01	<0.01	--	--	
	704152 -20#	<0.01	<0.01	--	--	
	704153 -20#	<0.01	<0.01	--	--	
	704154 -20#	<0.01	<0.01	--	--	
	704155 -20#	0.01	0.01	--	--	
	704156 -20#	<0.01	<0.01	--	--	
	704157 -20#	<0.01	<0.01	--	--	
	704158 -20#	0.01	0.01	--	--	
	704159 -20#	<0.01	<0.01	--	--	
	704160 -20#	<0.01	<0.01	--	--	
	704161 -20#	0.01	0.01	--	--	
	704162 -20#	<0.01	<0.01	--	--	
	704163 -20#	<0.01	<0.01	--	--	
	704164 -20#	<0.01	<0.01	--	--	
	704165 -20#	<0.01	<0.01	--	--	
	704166 -20#	<0.01	<0.01	--	<0.01	
	704167 -20#	<0.01	<0.01	--	--	
	704168 -20#	<0.01	<0.01	--	--	
2169	704169 -20#	<0.01	<0.01	--	--	
	704170 -20#	<0.01	<0.01	--	--	*
	Units	ppm	ppm	ppm	ppm	
	DL	0.01	0.01	0.01	0.01	
	Scheme	FA1	FA1	FA1	FA1	

* no locality given

CLASSIC LABORATORIES LTD
Incorporated in WA: a wholly owned subsidiary of Amdel Ltd
Osman Place, Thebarton, South Australia 5031
Telephone: (08) 43 5722 Facsimile: (08) 234 0321

468041

29 JUN 1990

Mr Peter Ellis
Placer Exploration Limited
P.O. BOX 384
ROSNY PARK
TAS 7018

FINAL ANALYSIS REPORT

Your Order No: 1488 Our Job Number : 0AD1873

Samples received : 15-JUN-1990 Results reported : 26-JUN-1990
No. of samples : 9
Report comprises a cover sheet and pages 1 to 3

This report relates specifically to the samples tested in so far as that the samples as supplied are truly representative of the sample source.

Note:
If you have any enquiries please contact Mr David Eardley-Harris quoting the above job number.

Approved Signatory:

D. Eardley-Harris
for

John Waters
Technical Manager - Adelaide

CC	Placer Exploration	Sydney
MM	Mr Peter Ellis	Tasmania

Report Codes:
N.A. - Not Analysed.
L.N.R. - Listed But Not Received.
I.S. - Insufficent Sample.

Distribution Codes:
CC - Carbon Copy
EM - Electronic Media
MM - Magnetic Media

"RELIABLE ANALYSES AT COMPETITIVE COST"

CLASSIC LABORATORIES LTD

Job: 0AD1873
O/N: 1488

463042

ANALYTICAL REPORT

Data base no

	Sample	Au Avg	Au	Au Rp1	Au SS1
2170	704236	0.01	0.01	0.01	--
2171	704238	0.01	0.01	--	--
2172	704240	0.01	0.01	--	--
2173	704242	0.05	0.05	--	--
2174	704244	<0.01	<0.01	--	--
	Units	ppm	ppm	ppm	ppm
	DL	0.01	0.01	0.01	0.01
	Scheme	FA1	FA1	FA1	FA1

CLASSIC LABORATORIES LTD

Job: 0AD1873
O/N: 1488

Data base no. (See preceding page)

ANALYTICAL REPORT

463043

	Sample	Cu	Pb	Zn	Ag
2170	704236	10	4	3	<1
2171	704238	19	25	75	3
2172	704240	22	20	48	3
2173	704242	22	18	75	2
2174	704244	26	28	88	2
	Units	ppm	ppm	ppm	ppm
	DL	2	4	2	1
	Scheme	AAS2	AAS2	AAS2	AAS2

CLASSIC LABORATORIES LTD

Job: OAD1873
O/N: 1488

463044

ANALYTICAL REPORT

Datalaero.	Sample	Au	Cu	Ag	As
1419	704237	0.60	0.86	<0.02	11
1420	704239	1.45	0.92	<0.02	16
1421	704241	0.90	1.38	0.04	34
1422	704243	1.55	2.74	0.04	25
	Units	ppb	ppm	ppm	ppm
	DL	0.05	0.10	0.02	2
	Scheme	BLEG2	BLEG1C	BLEG1C	XRF1

5313E 54 55 56 57 58 59 60 61 62 63 64 65 66 67

5413N

9794

E.L. 10/89

MOUNT SADDLEBACK

TOMBSTONE PLAIN

LITTLE HEATHY PLAIN

HEATHY PLAIN

MATHINNA PLAINS

TOMBSTONE CREEK

DING DONG HILL

NEWNITA CREEK

BALDWINS HILL

BEN RIDGE ROAD

UPPER EMU ROAD

SOUTH EMU RIVER

COREWIN ROAD

MEMORY CREEK

JOSEPH CREEK

SCHULHOFER ROAD

BLESSINGTON ROAD

EAMPAWA CREEK

ENDEAVOUR CREEK

CHINAMAN CORNER

MATHINNA ROAD

HAWLEIGH CREEK

WALKERS CREEK

5 cm

LEGEND

- DRAINAGE BASIN
- ROADS
- TRACKS
- STREAMS
- WET AREAS
- E.L. BOUNDARY
- 700570 * BULK GOLD
- 641 • STREAM SEDIMENT
- ▲ ROCK SAMPLES

PLACER EXPLORATION LTD.
TASMANIA

TOMBSTONE 468045
E.L. 10/89
NB. Apparently not all samples taken were actually analysed

SAMPLE LOCATIONS

Date: 4/4/90	Geologist: P.D.E
Revisions:	Drawn: R.K
Scale: 1:25000	Plan No. SK5504/507-1

9798

22 21 20 19 18 17 16 15 14 5413N

TOMBSTONE PLAIN

BEN NEVIS RIDGE ROAD

NEWNITA CREEK

BROWNS HILL

DING DONG HILL

TOMBSTONE CREEK

UPPER EAST RIVER ROAD

L.N.A.
L.N.A.
L.N.A.

<0·1
<0·02
<0·05

<0·1
<0·02
0·05

<0·1
<0·02
0·10

<0·1
<0·02
1·65

<0·1
<0·02
0·05

<0·1
<0·02
0·10

<0·1
<0·02
0·05

0·92
<0·02
1·15

0·86
<0·02
0·60

0·2
<0·02
0·55

1·98
0·04
0·90

2·74
0·04
1·60

<0·1
<0·02
3·3

<0·1
<0·02
0·95

<0·1
<0·02
<0·05

0·1
x
0·1

0·1
0·28

SOUTH EAST RIVER ROAD

COWERN ROAD

SWEETA CREEK

CHINAMAN CORNER

MATHINNA PLAINS ROAD

MATHINNA CREEK

HAVELOCK CREEK

WAIVERAD CREEK

BIG HEATHY PLAIN

SCHULHOFF ROAD

BUSHINGTON ROAD

LITTLE HEATHY PLAIN

MEMORY CREEK

MEMORY ROAD

JOSEPH CREEK

MOUNT SADDLEBACK

E.L. 10/89

5 cm

LEGEND
— DRAINAGE BASIN
— ROADS
— TRACKS
— STREAMS
— WET AREAS
— E.L. BOUNDARY

PLACER EXPLORATION LTD
TASMANIA

TOMBSTONE
E.L. 10/89
BULK GOLD ASSAYS
Cu (ppm)
Ag (ppm)
Au (ppb)

468046

Date 4/4/90	Geologist P.D.E
Revisions	Drawn R.K.
Scale 1.25000	Plan No SK5504/507-2

5553E 54 55 56 57 58 59 60 61 62 63 64 65 66 67

23 22 21 20 19 18 17 16 15 14

5413N

9796

TOMBSTONE PLAIN

BEN RIDGE ROAD

NEWITTA CREEK

BROWNS HILL

DING DONG HILL

TOMBSTONE CREEK

UPPER EMU ROAD

PILOTEA ROAD

FAMBEVIN CREEK

BIG HEATHY PLAIN

SCHULHOFF ROAD

MEMORY CREEK

MEMORY ROAD

BURNINGTON ROAD

LITTLE HEATHY PLAIN

JOSEPH CREEK

EMU RIVER SOUTH

CONEWA ROAD

SNEEZY CREEK

CHINAMAN CORNER

MATHINNA PLAINS

MATHINNA ROAD

HARVEYAN CREEK

WAINEWA CREEK

MOUNT SADDLEBACK

E.L. 10/89

5 cm

LEGEND

- DRAINAGE BASIN
- ROADS
- TRACKS
- STREAMS
- WET AREAS
- E.L. BOUNDARY

PLACER EXPLORATION LTD
TASMANIA

TOMBSTONE

E.L. 10/89

STREAM SEDIMENT ASSAYS

Cu (ppm)

Pb (ppm)

Zn (ppm)

468047

Date 4/4/90	Geologist P D E
Revisions	Drawn R K
Scale 1 25000	Plan No SK5504/507-3

5313E 54 55 56 57 58 59 60 61 62 63 64 65 66 67

23 22 21 20 19 18 17 16 15 14

5413N

9708
9709

E.L. 10/89

MOUNT SADDLEBACK

MATHINNA PLAINS

TOMBSTONE PLAIN

BIG HEATHY PLAIN

LITTLE HEATHY PLAIN

BEN RIDGE ROAD

TOMBSTONE CREEK

DING DONG HILL

BIPOTANG HILL

NEWITTA CREEK

SOUTH ESK RIVER

UPPER ESK ROAD

TAMAR VALLEY ROAD

SCHULHOFF ROAD

MEMORY CREEK

MEMORY ROAD

JOSEPH CREEK

BASSINGTON ROAD

CONDRAN ROAD

SNEEATH CREEK

CHINAMAN CORNER

WAYNEHAM CREEK

MATHINNA PLAINS ROAD

HAVELOCK CREEK

CREEK ROAD

WILLIAMS CREEK

5 cm

LEGEND
- DRAINAGE BASIN
- ROADS
- TRACKS
- STREAMS
- WET AREAS
- E L BOUNDARY

PLACER EXPLORATION LTD
TASMANIA

TOMBSTONE
E.L. 10/89
STREAM SEDIMENT ASSAYS
Au (ppb)
Ag (ppm)
468048

Date 4/4/90	Geologist P O E
Revisions	Drawn R K
Scale 1 25000	Plan No SK5504/507-4

5538E

54 55 56 57 58 59 60 61 62 63 64 65 66 67

23 22 21 20 19 18 17 16 15 14

5413N

S79

TOMBSTONE PLAIN

BIG HEATHY PLAIN

LITTLE HEATHY PLAIN

MATHINNA PLAINS

DING DONG HILL

BROWNS HILL

MOUNT SADDLEBACK

E.L. 10/89

BEN RIDGE ROAD

TOMBSTONE CREEK

UPPER EMU ROAD

SOUTH EMU ROAD

NEWITTA CREEK

MEMORY CREEK

MEMORY ROAD

CONWAY ROAD

SWEETH CREEK

CHINAMAN CORNER

MATHINNA PLAINS ROAD

WAVERLEY CREEK

HAVELOCK CREEK

SCHULHOFER ROAD

BUSHINGTON ROAD

5 cm

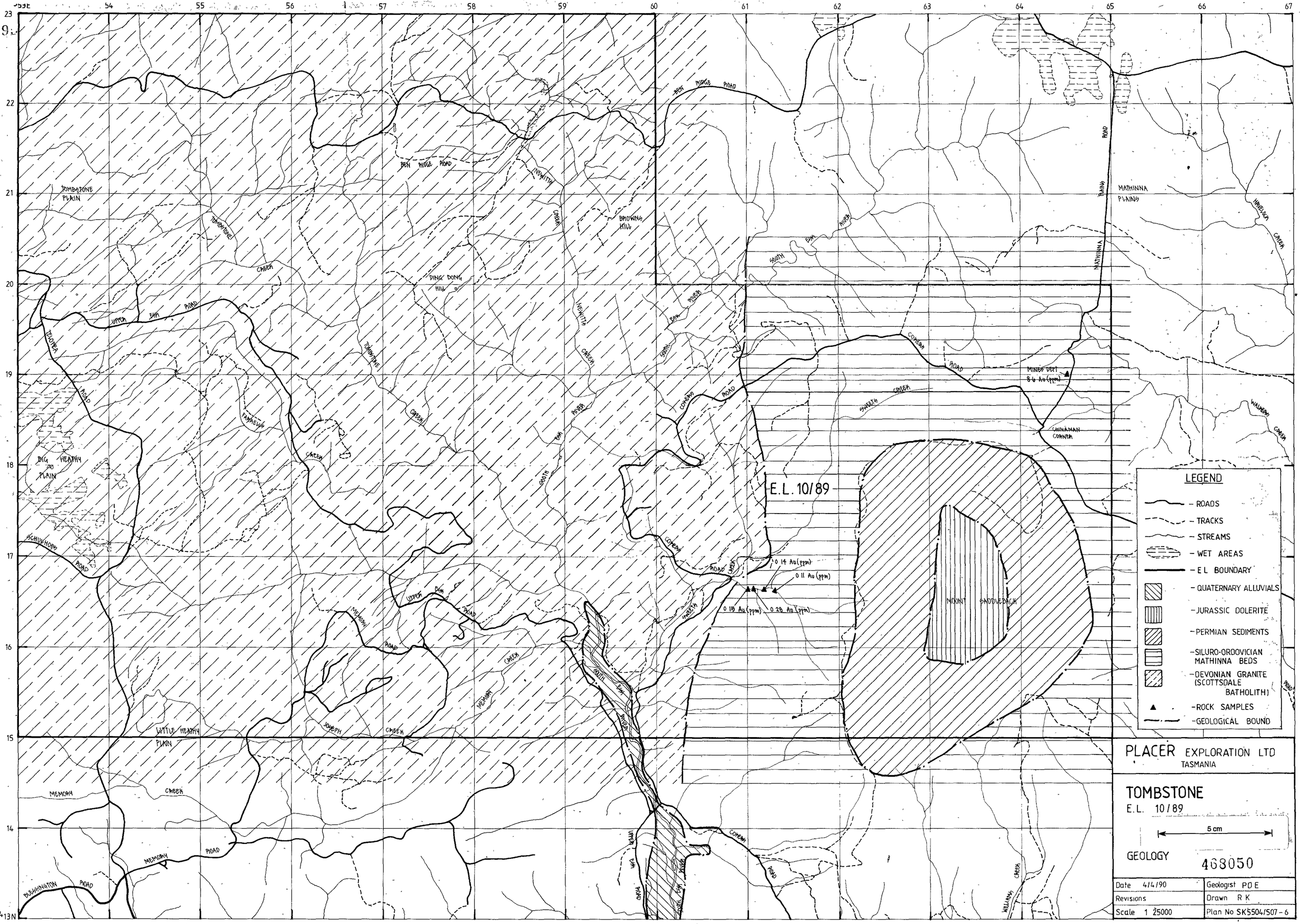
LEGEND

- DRAINAGE BASIN
- ROADS
- TRACKS
- STREAMS
- WET AREAS
- E.L. BOUNDARY

PLACER EXPLORATION LTD
TASMANIA

TOMBSTONE
E.L. 10/89
STREAM SEDIMENT ASSAYS
As (ppm)
Sb (ppm)
Sn (ppm)
463049

Date 4/4/90	Geologist P.D.E
Revisions	Drawn R.K.
Scale 1 25000	Plan No SK5504/507-5



LEGEND

- ROADS
- TRACKS
- STREAMS
- WET AREAS
- E L BOUNDARY
- QUATERNARY ALLUVIALS
- JURASSIC DOLERITE
- PERMIAN SEDIMENTS
- SILURO-ORDOVICIAN MATHINNA BEDS
- DEVONIAN GRANITE (SCOTTSDALE BATHOLITH)
- ROCK SAMPLES
- GEOLOGICAL BOUND

PLACER EXPLORATION LTD
TASMANIA

TOMBSTONE

E.L. 10/89

5 cm

GEOLOGY

468050

Date 4/4/90	Geologist P O E
Revisions	Drawn R K
Scale 1 25000	Plan No SK5504/507-6