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SK55-4
PROJECT 507

371007

ANNUAL AND FINAL REPORT

FOR THE YEAR ENDED 6/7/91

EL 10/89, TOMBSTONE (MT. SADDLEBACK) TASMANIA

OPEN FILE

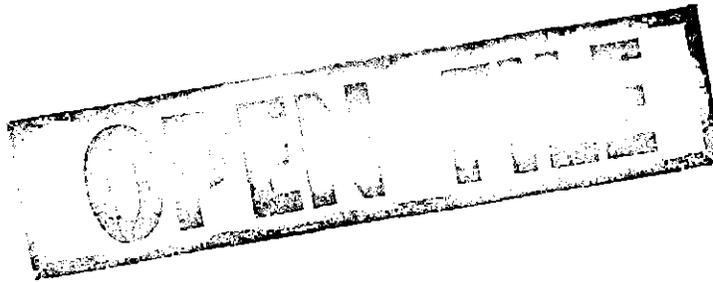
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91-3255

Placer Exploration Limited
By: P. D. Ellis
Report No: TAS91/21
Date: March 1991

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SK55-4
PROJECT 507

PLACER EXPLORATION LIMITED

ANNUAL REPORT, 1991

EL 10/89, TOMBSTONE (MT SADDLEBACK) TASMANIA

RPT NO. TAS 91/21

91-3255

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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)
GEOCHEMISTRY	

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PLANS (In Pocket)

<u>DRG. NO.</u>	<u>SCALE</u>
SK5504/507-1 EL 10/89 TOMBSTONE Sample Locations	1:25000
SK5504/507-3 EL 10/89 TOMBSTONE Stream Sediment Assays - Cu, Pb, Zn	1:25000
SK5504/507-4 EL 10/89 TOMBSTONE Stream Sediment Assays - Ag, Au	1:25000
SK5504/507-5 EL 10/89 TOMBSTONE Stream Sediment Assays - As, Sb, Sn	1:25000
SK5504/507-6 EL10/89 TOMBSTONE Geology	1:25000
SK5504/507-7 EL10/89 TOMBSTONE MT SADDLEBACK PROSPECT Geology and Rock Chip/Soil Geochemistry	1:1000
SK5504/507-8 EL10/89 TOMBSTONE CHINAMAN'S CORNER PROSPECT Geology and Rock Chip Geochemistry	1:1000

1. SUMMARY

EL 10/89, over the Tombstone/Mt Saddleback area, was obtained to explore for Carlin and/or Ketz 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.

Initial 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 sampling of these drainages confirmed the Sweets Creek anomaly but failed to confirm the Tombstone Creek and Memory Creek anomalies.

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 was found to be a stockwork zone in the headwaters of Sweets Creek. This outcropped as a 5-10m wide by 120m long and near vertical silicified and stockworked horizon in the Mathinna Beds. Grades tend to increase from south to north with a peak of 0.25ppm Au at the south side of a creek. The outcrop has not been located to the north of this creek due to rainforest cover. Because of the limited grade/tonnage potential, no further work is warranted on this zone.

Evaluation of the 8.6ppm Au value obtained by the Tasmanian Department of Mines from the Chinaman's Corner area failed to repeat the anomalous value. Only anomalous arsenic values could be obtained. No further work is required in this area.

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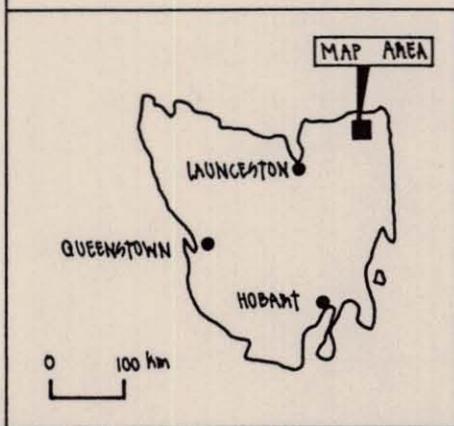
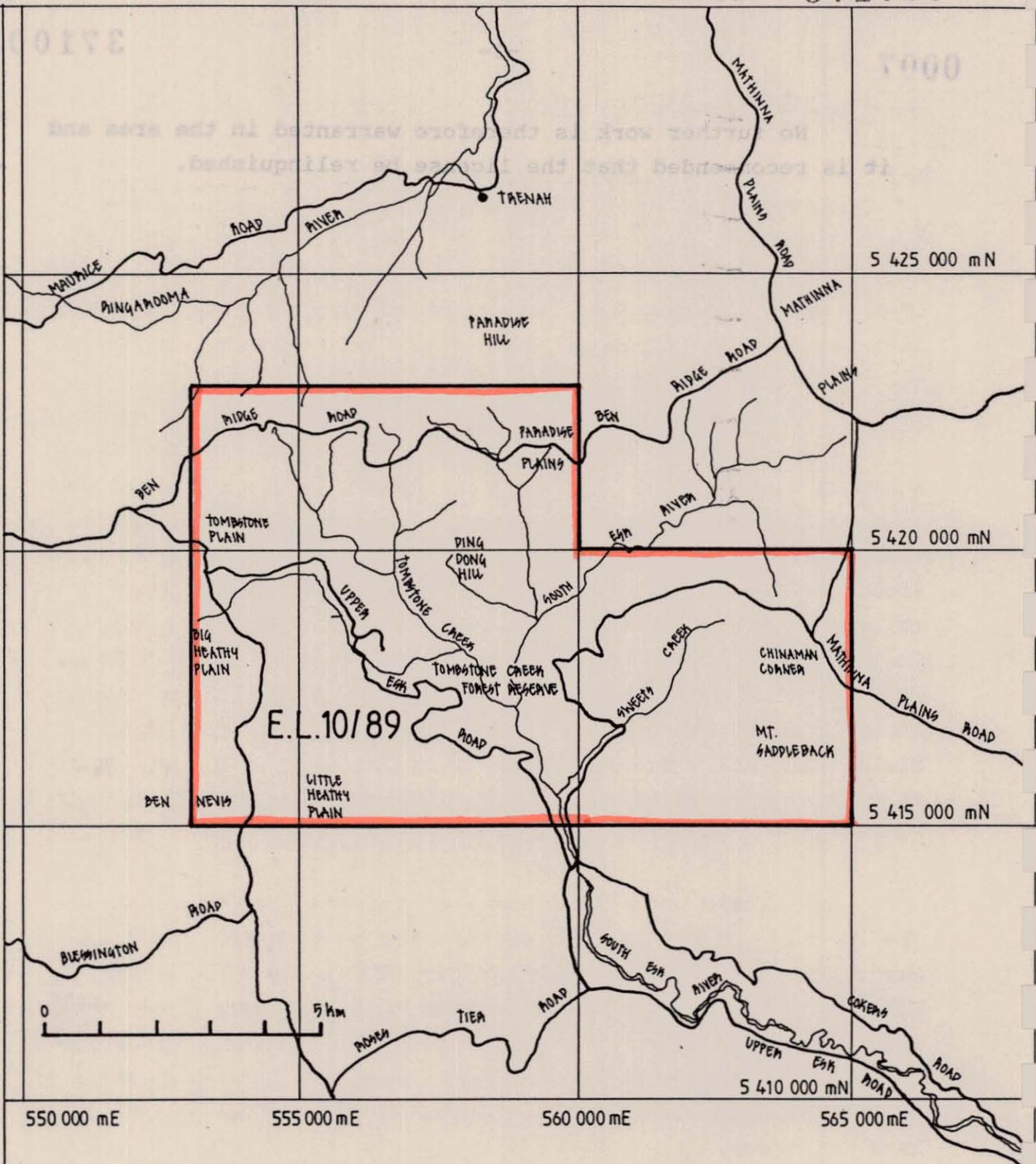
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No further work is therefore warranted in the area and it is recommended that the license be relinquished.

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LEGEND

- — — — — ROADS
- ~ ~ ~ ~ ~ STREAMS
- — — — — E.L. BOUNDARY
- — TOWNS

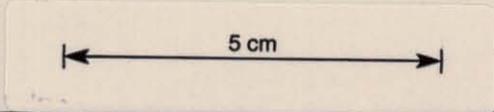


FIG. 1 LOCATION MAP, E.L.10/89 TOMBSTONE, TASMANIA.

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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 Ketzka 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.

This report summarizes and records the investigations completed by Placer Exploration in the second 12 month period of the life 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 4km² 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.

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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.

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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 Ketz 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.

On the 7th July 1990, EL 10/89 was renewed for the second 12 month term.

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. After a review of previous exploration, Placer completed a regional and detailed drainage sampling programme using BLEG and -20# stream sediment sampling techniques. Results of the Licence wide sampling showed a significant Au anomaly in Sweets Creek and lesser Au anomalies in Tombstone Creek and Memory Creek. Quartz stockworked Mathinna Beds float in Sweets Creek showed up to 0.28ppm Au.

A Au anomaly (8.6ppm Au) near Chinaman's Corner (originally located by the Mines Department) could not be confirmed.

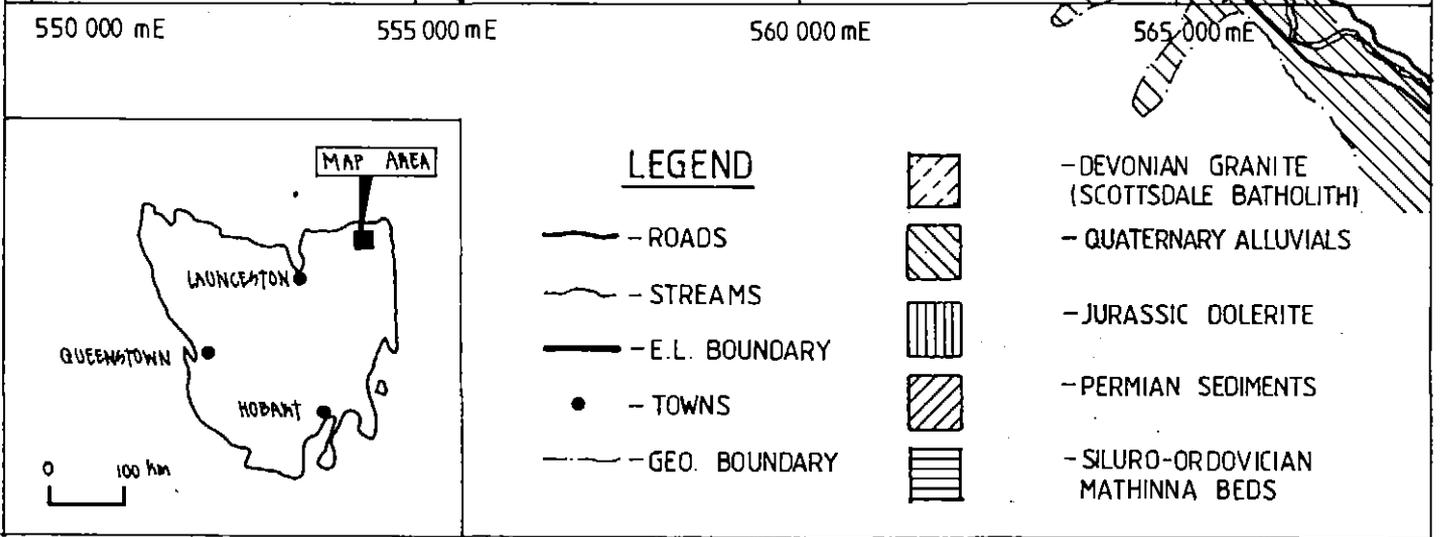
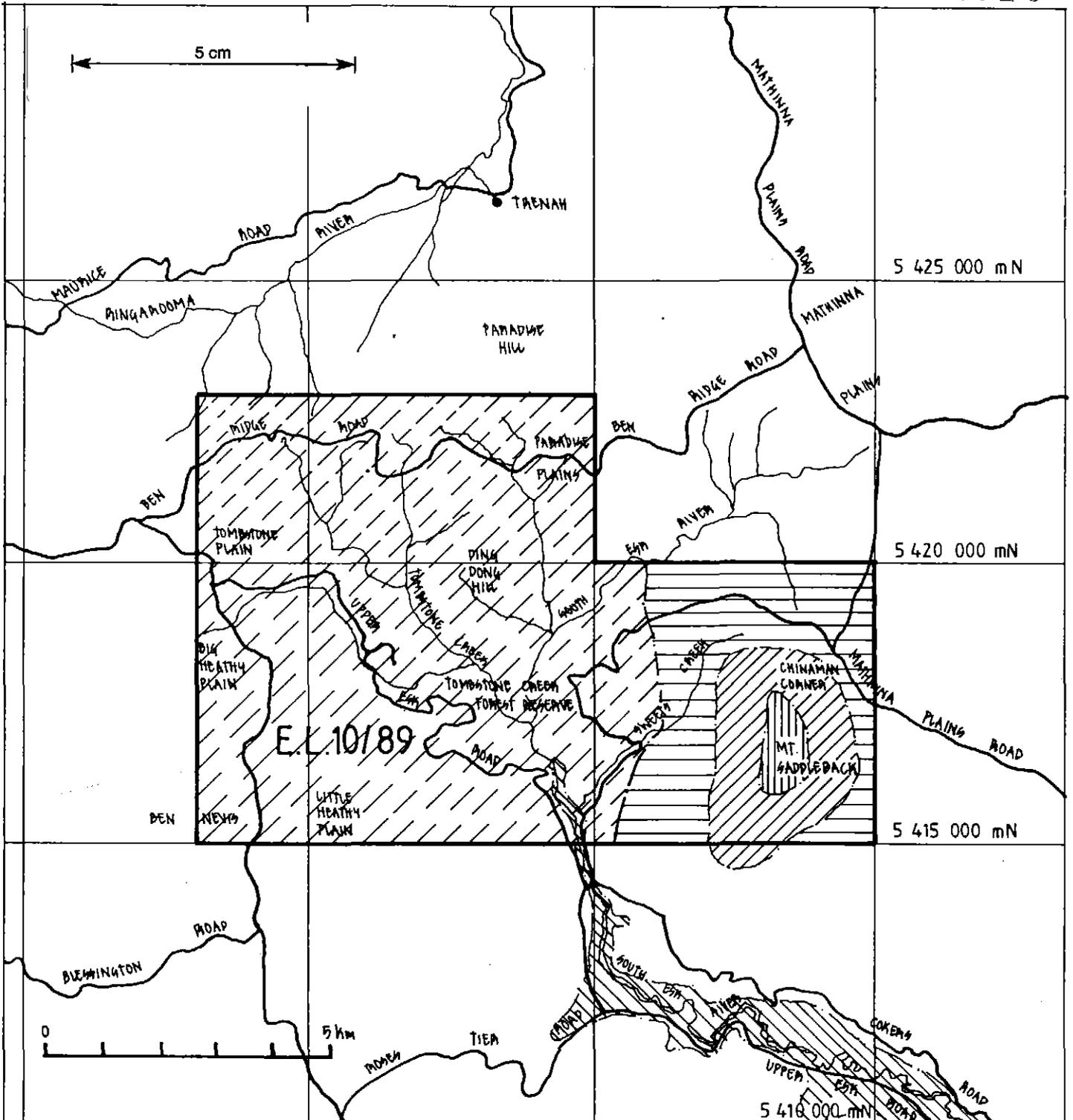


FIG.2 GEOLOGY SUMMARY, E.L.10/89 TOMBSTONE, TASMANIA.

0049 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 Tabberaboran 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 Ketzia 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.

Placer's regional drainage sampling (BLEG and -20#) located three anomalous drainages, these being:

- Sweets Creek showed anomalous Au in BLEG and -20# samples with some float samples (quartz stockworked Mathinna Beds) containing 0.28ppm Au.
- Memory Creek showed a weak Au anomaly in the BLEG sample but no anomaly in the -20# sample.
- Tombstone Creek showed Au anomalies in the -20# but no anomalous Au values in BLEG samples.

The drainage sampling (and associated rock chip sampling) failed to confirm the 8.6ppm Au anomaly obtained by the Department of Mines at Chinaman's Corner.

During the current period of the Licence detailed drainage sampling and rock chip sampling was undertaken in the anomalous areas of:

- * Sweets Creek - detailed -20# stream sediment sampling at 100-200m intervals
 - geological mapping with rock chip sampling of float and outcrop
 - minor soil sampling
 - rock chip sampling at 10m intervals along quartz stockworks zones in the Mathinna Beds around Mt. Saddleback.

- * Memory Creek - detailed -20# stream sediment sampling at 100-200m intervals.

- * Tombstone Creek - detailed -20# stream sediment sampling at 100-200m intervals.

- * Chinaman's Corner - detailed -20# stream sediment sampling adjacent to the Mines Department anomalous Au sample site
 - geological mapping with rock chip sampling of stockworked or silicified Mathinna Beds.

7.2 Results

The results of the detailed sampling of the Sweets Creek, Memory Creek, Tombstone Creek and Chinaman's Corner drainages (Appendix I and Sheets SK5504/507 -1, -3, -4, -5) showed the Sweets Creek to have anomalous Au and the Chinaman's Corner to have a very weak Au anomaly. During the sampling of these area quartz stockworking and silicification was located at two localities in the headwaters of Sweets Creek (Mt Saddleback) and around the Chinaman's Corner area. Most of the remaining work on the Licence was concentrated on and around these quartz rich zones.

(a) Mt Saddleback

Rock chip sampling, geological mapping and minor soil sampling was undertaken in the vicinity of the two stockworks. This work was confined to the creeks, skidways, tracks and the outcropping stockwork/silicified zones. The remainder of the area supports a cover of eucalypt scrub and/or rainforest preventing reasonable traversing. Results of this work are shown on Sheet SK5504/507-7.

The mapping showed that downslope of the Jurassic dolerite scree off Mt Saddleback (to the east) most of the Mathinna Beds are composed of cleaved siltstone to fine sandstone. Cleavage was measured as striking 320 to 330° magnetic with steep (80°) northeast to vertical dips. Within these rocks were two stockwork systems associated with local silicification of the Mathinna Beds. This silicification results in the stockwork forming resistant strike ridges sub-parallel to cleavage (and possible bedding).

The South Stockwork (most prospective) extends for about 200m and may extend for another 150-200m to the northwest. It consists of a high frequency of thin quartz veins over a 5-10~~km~~^m wide zone of silicified sandstone. Brecciation is common and

occurs with abundant haematite, chlorite, white mica, secondary clay and heterogeneous quartz (grey, white and glassy). No sulphides are evident.

Geochemically, this South Stockwork shows increasing gold grade from southeast to northwest. In the south no Au is evident although As values were around 250 to 500ppm. Rock chip samples of the stockwork outcrop from about 60m from its southeastern end started to show some Au (0.03ppm) with 500 to 1800ppm As. To the northwest Au values increase (0.08 - 0.14) to peak at 0.25ppm at the creek. To the northwest of this creek the stockwork has not been located due to thick regrowth and scrub. A creek 250m further to the northwest does not show any stockworking. Minor soil sampling adjacent to the stockwork failed to show any significant Au values, even in areas of higher Au rock chip values.

The North Stockwork is 140m long in outcrop and consists of abundant fine quartz veins in a 5m wide zone of silicified sandstone. No brecciation and only minor haematite, chlorite and white mica occur with the quartz. No sulphides were evident. This stockwork appears to be less mineralised and prospective than the South Stockwork. This was confirmed by the rock chip analyses which showed no significant Au or As values. Weak As values (to 22ppm) occurred in three samples.

Analyses of rock chips from both stockworks showed no significantly anomalous Cu, Pb, Zn, Ag or Sb values.

(b) Chinaman's Corner

Rock chip sampling and geological mapping was completed in the vicinity of the arsenopyrite rich quartz veined Mathinna Beds to the north of Chinaman's Corner. All tracks, skidways and creeks were mapped and sampled.

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An intense stockwork of quartz veins has been developed in cleaved slates of the Mathinna Beds (south of the small creek). This stockwork consists of quartz (grey, partly banded and milky white) which contains pitting and boxwork structures, and with limonite, secondary pale clay, chlorite, fresh arsenopyrite and pseudomorphs of sulphides. The host slates appear to be metamorphosed and possibly hydrothermally altered. The field work would suggest this area is more prospective than the Mt Saddleback stockworks, due to the alteration and the presence of sulphides.

However, the geochemistry (Sheet SK5504/507-8) failed to show any significant Au values. Even As values were lower than Mt Saddleback peaking at only 60ppm. The 8.6ppm Au value obtained by the Department of Mines could not be reproduced.

(c) Summary

The above exploration has determined that the only prospective area within EL 10/89 is the Mt Saddleback South Stockwork. This has an outcrop expression 5-10m wide and 200m long with a possibility of a further northwestern extent of 150-250m. Au grades tend to increase to the northwest peaking at 0.25ppm at the known northwestern end. As values are all elevated peaking at 1800ppm.

7.3 Proposed Exploration

A weak Au/As anomaly was encountered in samples from the South Stockwork at Mt Saddleback. Further evaluation of this zone should include gridding with geological mapping, rock chip sampling, IP and ground magnetics.

At this stage Placer do not consider the zone to have sufficient potential for these further investigations, due to the limited size and sub-economic grades. The licence should therefore be relinquished.

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8. REFERENCES

- CALLOW, K.J., 1971. Report on Exploration Licence 32/71,
Diddleum Plains, Tasmania.
Unpub Rept of Aust & New Zealand Expl Co.
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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
- ELLIS, P.D., 1990. Renewal Report 1990, EL10/89. TOMBSTONE
(MT SADDLEBACK) TASMANIA.
Unpub. Placer Rpt. No. Tas 6/90

APPENDICES I

DETAILED DRAINAGE GEOCHEMISTRY


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 Osman Place, Thebarton, South Australia 5031
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 Placer Exploration Limited
 P.O. BOX 384
 ROSNY PARK
 TAS 7018

F I N A L A N A L Y S I S R E P O R T

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
 or

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. - Insufficient Sample.

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 MM - Magnetic Media

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Job: OAD1873
O/N: 1488

ANALYTICAL REPORT

Sample	Au Avg	Au Au Rp1	Au SS1
704236	0.01	0.01 0.01	--
704238	0.01	0.01	--
704240	0.01	0.01	--
704242	0.05	0.05	--
704244	<0.01	<0.01	--
Units	ppm	ppm	ppm
DL	0.01	0.01	0.01
Scheme	FA1	FA1	FA1

*repeated from
90-3150*



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Job: 0AD1873

O/N: 1488

ANALYTICAL REPORT

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

*repeated from
90-3150*



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Job: OAD1873

O/N: 1488

ANALYTICAL REPORT

Sample	Au	Cu	Ag	As
704237	0.60	0.86	<0.02	11
704239	1.45	0.92	<0.02	16
704241	0.90	1.38	0.04	34
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

repeated from 90-3150

0030

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

TOMBSTONE.

F I N A L A N A L Y S I S R E P O R T

Your Order No: 1490

Our Job Number : OAD2605

Samples received : 14-AUG-1990

Results reported : 28-AUG-1990

No. of samples : 190

Report comprises a cover sheet and pages 1 to 9

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:

John Waters
Technical Manager - Adelaide

MM Mr Peter Ellis TAS

Report Codes:

- N.A. - Not Analysed.
- L.N.R. - Listed But Not Received.
- I.S. - Insufficient Sample.

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- CC - Carbon Copy
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- MM - Magnetic Media

"RELIABLE ANALYSES AT COMPETITIVE COST"



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ANALYTICAL REPORT

Job: 0AD2605

O/N: 1490

Data base no.	Sample	Au	Ag	Cu	
2455	704255	0.05	0.02	<0.10	
2457	704257	<0.05	<0.02	<0.10	
2481	704281	<0.05	<0.02	<0.10	
2483	704283	0.05	<0.02	<0.10	
2501	704401	0.25	0.02	<0.10	
4	704404	<0.05	<0.02	<0.10	
6	704406	0.35	0.02	<0.10	
9	704409	<0.05	<0.02	<0.10	
2511	704411	<0.05	0.02	<0.10	
13	704413	0.15	<0.02	<0.10	NO LOCALITY GIVEN
16	704416	0.10	0.02	<0.10	
18	704418	<0.05	<0.02	<0.10	
2522	704422	0.05	<0.02	<0.10	
4	704424	<0.05	<0.02	<0.10	
8	704428	0.10	<0.02	<0.10	
2530	704430	<0.05	<0.02	<0.10	
2554	704454	<0.05	<0.02	<0.10	
6	704456	<0.05	<0.02	<0.10	
9	704459	0.05	0.08	0.10	
2560	704460	<0.05	<0.02	<0.10	
4	704464	0.05	<0.02	<0.10	
6	704466	<0.05	<0.02	<0.10	
8	704468	<0.05	<0.02	<0.10	
2570	704470	0.05	<0.02	<0.10	
2585	704485	<0.05	<0.02	<0.10	
2586	704486	<0.05	<0.02	<0.10	
2587	704487	<0.05	<0.02	<0.10	
2589	704489	0.05	0.02	<0.10	
2601	704981	<0.05	<0.02	<0.10	
3	704983	<0.05	<0.02	<0.10	
5	704985	0.05	<0.02	<0.10	
7	704987	0.40	<0.02	<0.10	
9	704989	<0.05	<0.02	<0.10	
2691	704991	<0.05	<0.02	<0.10	
3	704993	<0.05	<0.02	<0.10	
5	704995	<0.05	<0.02	<0.10	
7	704997	<0.05	<0.02	<0.10	
9	704999	<0.05	0.02	<0.10	
	Units	ppb	ppm	ppm	
	DL	0.05	0.02	0.10	
	Scheme	BLEG2	BLEG1C	BLEG1C	



CLASSIC LABORATORIES LTD

Datta base no.

ANALYTICAL REPORT

Job: OAD2605
O/N: 1490

	Sample	Au Avg	Au	Au Rp1	Au SS1	Cu	Pb	Zn
2451	704251	8	8	--	--	16	40	17
2	704252	10	10	--	--	22	36	16
3	704253	9	9	--	--	24	42	22
4	704254	5	5	--	--	30	38	17
6	704256	11	14	8	--	26	38	28
8	704258	1	1	--	--	13	25	60
2460	704260	6	6	--	--	16	36	42
1	704261	1	1	--	--	16	22	30
2	704262	3	3	--	--	15	22	68
3	704263	<1	<1	--	--	13	26	52
4	704264	<1	<1	--	--	13	24	42
	704265	12	14	12	--	9	22	34
2466	704266	2	2	--	--	9	22	34
7	704267	2	2	--	--	20	40	78
8	704268	1	1	--	--	18	34	58
9	704269	2	2	--	--	8	15	32
2470	704270	1	1	--	--	13	22	45
1	704271	2	2	--	--	13	16	50
2	704272	3	3	--	--	9	10	30
3	704273	1	1	--	--	5	10	20
4	704274	<1	<1	--	--	20	40	60
5	704275	<1	<1	--	--	14	26	78
2476	704276	1	1	--	--	14	22	76
	704277	<1	<1	--	--	4	22	2
2478	704278	2	2	--	--	7	10	14
	704279	<1	<1	--	--	5	12	10
	704280	<1	<1	--	--	5	5	12
	704282	1	1	--	--	9	8	12
	704284	2	2	--	--	15	18	20
	704285	1	1	--	--	14	22	18
	704286	1	1	--	--	16	18	16
	704287	1	1	--	--	10	15	15
	704288	<1	<1	--	--	2	5	6
	704289	2	2	--	--	17	28	11
	704290	1	1	--	--	7	20	9
	704291	3	3	--	--	5	20	11
	704292	1	1	--	--	3	16	6
	704293	3	3	--	--	19	28	35
	704294	4	5	4	--	11	24	16
2495	704295	3	3	--	--	4	15	5
2502	704402	3	3	--	--	9	28	36
	704403	6	8	4	--	13	18	46
	704405	1	1	--	--	6	14	17
	704407	3	3	--	--	19	18	56
2508	704408	3	3	--	--	14	16	54

NO LOCALITY GIVEN

Units	ppb	ppb	ppb	ppb	ppm	ppm	ppm
DL	1	1	2	2	2	4	2
Scheme	FA3	FA3	FA3	FA3	AAS1	AAS1	AAS1



CLASSIC LABORATORIES LTD

Job: 0AD2605

O/N: 1490

Data Base no.

ANALYTICAL REPORT

	Sample	Au Avg	Au	Au Rp1	Au SS1	Cu	Pb	Zn
2510	704410	3	3	--	--	14	20	38
2512	704412	4	4	--	--	22	22	58
2514	704414	4	4	--	--	6	14	32
	704415 <i>sample</i>	1	1	--	--	<2	6	3
	704417	1	1	--	--	4	8	28
	704419	3	3	--	--	9	20	52
2520	704420	3	3	--	--	24	26	80
	704421	4	4	--	--	55	50	55
	704423	6	5	6	--	50	28	120
	704425	5	5	4	--	28	26	65
	704426	2	2	--	--	25	42	70
	704427	6	6	--	--	24	26	50
	704429	4	4	--	--	32	36	90
	704431	5	5	--	--	25	34	75
	704433	3	3	--	--	32	30	52
	704434	2	2	--	--	30	35	68
	704436	2	2	--	--	38	38	105
	704449	1	1	--	--	26	28	60
	704451	<1	<1	<2	--	15	24	46
	704452	<1	<1	--	--	3	14	16
	704453	1	1	--	--	7	30	35
	704455	2	2	--	--	5	20	17
	704457	<1	<1	--	--	2	10	6
	704458	<1	<1	--	--	4	18	22
	704461	<1	<1	<2	--	5	15	16
	704462	2	2	--	--	5	22	26
	704463	1	1	--	--	5	25	14
	704465	<1	<1	--	--	2	12	6
	704467	<1	<1	--	--	7	15	4
	704469	1	1	--	--	<2	14	9
	704471	<1	<1	--	--	<2	8	9
	704472	1	1	--	--	4	22	9
	704473	<1	<1	--	--	<2	12	5
	704474	1	1	--	--	6	6	8
	704475	<1	<1	--	--	<2	18	11
	704476	1	1	--	--	7	18	18
2577	704477	1	1	--	--	9	30	28
	704478 <i>sample</i>	1	1	--	--	<2	4	<2
2579	704479	1	1	--	--	4	22	32
	704480	<1	<1	--	--	7	22	20
	704481	1	1	--	--	4	18	22
	704482	1	1	--	--	3	16	25
	704483	<1	<1	--	--	6	14	10
	704484	1	1	--	--	3	12	17
2568	704488	1	1	--	--	<2	44	48

LOCALITY NOT RECORDED

Units	ppb	ppb	ppb	ppb	ppm	ppm	ppm
DL	1	1	2	2	2	4	2
Scheme	FA3	FA3	FA3	FA3	AAS1	AAS1	AAS1



0034

CLASSIC LABORATORIES LTD

371035

Job: OAD2605

O/N: 1490

ANALYTICAL REPORT

Data base no

2590

2597
2651

2658

2660

2696

Sample	Au Avg	Au	Au Rp1	Au SS1	Cu	Pb	Zn
704490	1	1	--	--	3	18	16
704491	1	1	--	--	<2	10	15
704492	1	1	--	--	<2	16	16
704493	1	1	<2	--	<2	18	19
704494	1	1	--	--	5	18	18
704495	1	1	--	--	5	25	24
704496	<1	<1	--	--	<2	22	24
704497	1	1	--	--	<2	24	24
704951	<1	<1	--	--	12	80	52
704952	<1	<1	--	--	2	5	<2
704953	<1	<1	--	--	<2	4	<2
704954	<1	<1	--	--	<2	6	<2
704955	<1	<1	--	--	4	8	58
704956	<1	<1	--	--	7	22	13
704957	<1	<1	--	--	<2	6	7
704958	<1	<1	--	--	10	35	26
704959	1	1	--	--	3	5	<2
704960	<1	<1	--	--	2	6	7
704961	1	1	--	--	<2	10	10
704962	<1	<1	--	--	<2	10	7
704963	<1	<1	--	--	2	8	9
704964	<1	<1	--	--	<2	5	2
704965	<1	<1	--	--	<2	8	7
704966	1	1	--	--	3	8	5
704967	<1	<1	--	--	8	18	36
704968	3	3	--	--	<2	10	6
704969	<1	<1	--	--	9	24	19
704970	1	1	--	--	4	24	12
704971	4	5	4	--	<2	25	12
704972	<1	<1	--	--	3	18	12
704973	<1	<1	--	--	<2	12	8
704975	1	1	--	--	<2	10	9
704976	1	1	--	--	2	<4	2
704977	<1	<1	--	--	<2	8	<2
704978	<1	<1	--	--	6	5	2
704979	<1	<1	--	--	<2	<4	<2
704980	<1	<1	--	--	4	14	5
704982	<1	<1	--	--	8	8	19
704984	<1	<1	--	--	<2	4	3
704986	1	1	--	--	13	16	38
704988	<1	<1	--	--	8	10	3
704990	<1	<1	--	--	22	24	46
704992	<1	<1	--	--	12	25	16
704994	<1	<1	--	--	7	15	10
704996	<1	<1	--	--	5	10	8

Units	ppb	ppb	ppb	ppb	ppm	ppm	ppm
DL	1	1	2	2	2	4	2
Scheme	FA3	FA3	FA3	FA3	AAS1	AAS1	AAS1



CLASSIC LABORATORIES LTD

Job: OAD2605
O/N: 1490

Data base no.

ANALYTICAL REPORT

Sample	Au	Avg	Au	Au Rp1	Au SS1	Cu	Pb	Zn
2698 704998	<1	<1	--	--	4	8	5	
2900 705000	2	2	--	--	8	10	30	
2751 701551	<1	<1	--	--	10	18	19	
2752 701552	<1	<1	--	--	17	22	34	
2753 701553	<1	<1	--	--	19	20	64	
2537 704437	<1	<1	--	--	36	22	52	
704438 SAND	<1	<1	--	--	5	12	8	
2539 704439	1	1	--	--	28	28	46	
704440	<1	<1	--	--	18	34	20	
704441	1	1	--	--	24	40	24	
704442	1	1	--	--	5	26	34	
2543 704443	<1	<1	--	--	9	38	30	
704444 SAND	<1	<1	--	--	<2	8	<2	
2545 704445	1	1	--	--	32	30	78	
704446	1	1	--	--	32	54	34	
704447	1	1	--	--	22	26	42	
2548 704448	<1	<1	--	--	26	32	75	
Units	ppb	ppb	ppb	ppb	ppm	ppm	ppm	
DL	1	1	2	2	2	4	2	
Scheme	FA3	FA3	FA3	FA3	AAS1	AAS1	AAS1	



Job: OAD2605

O/N: 1490

ANALYTICAL REPORT

See p. 32
for data base nos

2451

Sample	As	Sb	Ag
704251	12	<4	0.2
704252	5	<4	<0.1
704253	8	<4	0.3
704254	5	<4	0.3
704256	2	<4	0.4
704258	11	<4	0.6
704260	12	<4	0.6
704261	8	<4	<0.1
704262	6	<4	0.3
704263	6	<4	0.5
704264	7	<4	0.4
704265	2	<4	<0.1
704266	7	<4	0.2
704267	7	<4	0.8
704268	5	<4	0.7
704269	5	<4	<0.1
704270	6	<4	0.8
704271	3	<4	0.7
704272	7	<4	0.3
704273	5	<4	<0.1
704274	9	<4	1.2
704275	10	<4	0.8
704276	9	5	0.7
704277	2	4	<0.1
704278	6	<4	0.2
704279	8	<4	<0.1
704280	6	<4	0.2
704282	7	<4	0.4
704284	8	<4	0.1
704285	12	<4	0.3
704286	11	<4	<0.1
704287	8	<4	<0.1
704288	2	<4	<0.1
704289	13	<4	0.4
704290	9	<4	<0.1
704291	17	<4	<0.1
704292	2	<4	<0.1
704293	9	<4	0.3
704294	7	<4	0.3
704295	5	<4	0.1
704402	18	<4	0.6
704403	11	<4	0.6
704405	<2	<4	0.6
704407	13	<4	0.6
704408	12	<4	0.5

2495
2502

2508

Units	ppm	ppm	ppm
DL	2	4	0.1
Scheme	XRF1	XRF1	AAS2A



0037

CLASSIC LABORATORIES LTD

371038

Job: 0AD2605
O/N: 1490

See p. 33 ANALYTICAL REPORT

Data base no.
2510

2588

Sample	As	Sb	Ag
704410	9	<4	0.5
704412	12	<4	0.7
704414	5	<4	0.4
704415	<2	<4	<0.1
704417	2	<4	0.3
704419	5	<4	0.7
704420	24	<4	0.6
704421	19	<4	1.4
704423	65	<4	1.3
704425	36	<4	0.9
704426	22	<4	0.9
704427	20	<4	0.7
704429	26	<4	1.0
704431	52	<4	1.0
704433	30	<4	0.7
704434	14	5	0.9
704436	32	<4	1.4
704449	7	<4	0.8
704451	<2	<4	0.5
704452	<2	<4	0.3
704453	<2	<4	0.7
704455	<2	<4	0.2
704457	<2	<4	0.2
704458	<2	<4	0.5
704461	<2	<4	0.4
704462	<2	<4	0.7
704463	<2	<4	0.7
704465	<2	<4	<0.1
704467	<2	<4	<0.1
704469	<2	<4	0.4
704471	<2	<4	0.3
704472	<2	<4	0.2
704473	<2	<4	0.2
704474	<2	<4	<0.1
704475	<2	4	<0.1
704476	<2	<4	0.2
704477	<2	<4	0.8
704478	<2	<4	0.2
704479	<2	<4	0.5
704480	<2	<4	0.5
704481	<2	<4	0.2
704482	<2	4	0.3
704483	<2	<4	0.5
704484	<2	<4	0.3
704488	17	<4	0.7
Units	ppm	ppm	ppm
DL	2	4	0.1
Scheme	XRF1	XRF1	AAS2A



CLASSIC LABORATORIES LTD

See p. 34

Job: OAD2605

O/N: 1490

ANALYTICAL REPORT

Data base no.:

2596

2517
2651

2696

Sample	As	Sb	Ag
704490	<2	<4	0.5
704491	2	<4	0.1
704492	8	<4	0.2
704493	15	<4	0.1
704494	<2	<4	0.2
704495	<2	<4	0.7
704496	2	<4	0.5
704497	2	<4	0.6
704951	<2	<4	1.0
704952	<2	4	<0.1
704953	<2	<4	<0.1
704954	<2	<4	0.4
704955	<2	<4	<0.1
704956	<2	<4	0.3
704957	<2	<4	<0.1
704958	<2	<4	0.3
704959	<2	<4	0.1
704960	<2	<4	0.3
704961	<2	<4	0.3
704962	<2	<4	0.2
704963	<2	<4	0.3
704964	<2	<4	<0.1
704965	<2	<4	0.2
704966	<2	<4	0.2
704967	<2	<4	0.2
704968	<2	<4	0.3
704969	<2	<4	0.5
704970	<2	<4	0.5
704971	<2	<4	0.7
704972	<2	<4	0.2
704973	<2	<4	0.2
704975	<2	<4	0.4
704976	<2	<4	0.1
704977	<2	<4	0.1
704978	<2	<4	0.1
704979	<2	<4	<0.1
704980	<2	<4	0.3
704982	<2	<4	0.2
704984	<2	<4	0.3
704986	<2	<4	0.6
704988	<2	<4	0.1
704990	4	<4	0.9
704992	<2	<4	0.4
704994	<2	<4	<0.1
704996	<2	<4	0.2

Units	ppm	ppm	ppm
DL	2	4	0.1
Scheme	XRF1	XRF1	AAS2A



see p. 35

Job: 0AD2605

O/N: 1490

ANALYTICAL REPORT

Sample	As	Sb	Ag
2698 704998	<2	<4	0.2
2900 705000	<2	<4	0.3
2751 701551	<2	<4	0.4
↓ 701552	<2	<4	0.3
2753 701553	<2	<4	0.9
2537 704437	13	<4	0.5
704438	<2	<4	<0.1
704439	8	<4	0.5
704440	16	<4	0.3
704441	18	<4	0.2
704442	<2	<4	<0.1
704443	<2	<4	<0.1
704444	<2	<4	<0.1
704445	8	<4	0.6
704446	30	<4	0.2
704447	6	<4	<0.1
2548 704448	10	<4	0.3

Units	ppm	ppm	ppm
DL	2	4	0.1
Scheme	XRF1	XRF1	AAS2A



0049

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

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371041

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

F I N A L A N A L Y S I S R E P O R T

Your Order No: 1491/507/543

Our Job Number : OAD3086

Samples received : 21-SEP-1990

Results reported : 02-OCT-1990

No. of samples : 47

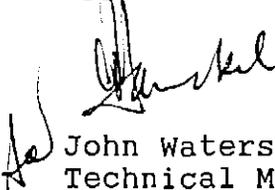
Report comprises a cover sheet and pages 1 to 4

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 Miss Anne Reed quoting the above job number.

Approved Signatory:



John Waters
Technical Manager - Adelaide

MM Mr Peter Ellis TAS

Report Codes:

N.A. - Not Analysed.
L.N.R. - Listed But Not Received.
I.S. - Insufficient Sample.

Distribution Codes:

CC - Carbon Copy
EM - Electronic Media
MM - Magnetic Media

"RELIABLE ANALYSES AT COMPETITIVE COST"



CLASSIC LABORATORIES LTD

ANALYTICAL REPORT

Job: OAD3086
O/N: 1491/507/543

Sample	Au Avg	Au Dp1	Au Rp1	Au SS1	Cu	Pb	Zn
701582	10	10	10	--	18	38	62
701583	10	10	--	--	16	18	56
701584	<1	<1	--	--	5	20	45
701585	11	11	--	--	12	30	48
701586	18	18	--	--	14	24	42
701587	<1	<1	--	--	7	12	22
701590	2	2	--	--	22	22	54
701592	11	11	--	--	34	28	24
701594	11	11	--	--	30	16	20
701596	13	13	--	--	22	24	16
701598	3	3	--	--	14	26	24
701600	3	3	--	--	17	20	22
701602	1	1	--	--	20	16	26
701604	7	7	--	--	12	54	25
701606	8	8	--	--	17	45	36
Units	ppb	ppb	ppb	ppb	ppm	ppm	ppm
DL	1	1	2	2	2	4	2
Scheme	FA3	FA3	FA3	FA3	AAS1	AAS1	AAS1

See
EL 3/40
TCR 91-3254
?



ANALYTICAL REPORT

Job: OAD3086
O/N: 1491/507/543

Sample	Ag
701582	<1
701583	<1
701584	<1
701585	1
701586	1
701587	<1
701590	1
701592	1
701594	<1
701596	1
701598	<1
701600	1
701602	<1
701604	1
701606	1
Units	ppm
DL	1
Scheme	AAS2

EL3/90

-?



0043

CLASSIC LABORATORIES LTD

371044

Job: 0AD3086
O/N: 1491/507/543

ANALYTICAL REPORT

Data base

2496

Sample	Au Avg	Au Dp1	Au Rp1	Au SS1	Cu	Pb	Zn
704259	0.01	0.01	--	--	5	12	5
704296	<0.01	<0.01	--	--	5	8	3
704432	0.12	0.12	--	--	8	32	11
704435	<0.01	<0.01	--	--	17	20	18
704974	<0.01	<0.01	--	--	16	12	26
701555	<0.01	<0.01	--	--	8	15	7
701556	<0.01	<0.01	--	--	16	18	8
701557	0.01	0.01	--	--	13	5	7
701558	<0.01	<0.01	--	--	8	8	<2
701559	0.01	0.01	--	--	9	12	6
701560	0.06	0.05	0.07	--	7	8	6
701561	0.06	0.06	--	--	11	10	5
701562	0.01	0.01	--	--	7	10	<2
701563	0.01	0.01	--	--	14	12	6
701564	0.01	0.01	--	--	14	6	6
701565	<0.01	<0.01	--	--	11	10	11
701566	<0.01	<0.01	--	--	11	6	7
701567	0.02	0.02	--	--	15	10	12
701568	0.01	0.01	--	--	11	10	3
701569	<0.01	<0.01	--	--	10	<4	12
701570	0.02	0.02	--	--	42	36	60
701571	0.08	0.07	0.09	--	13	6	5
701580	0.01	0.01	--	--	9	<4	3
701588	0.02	0.02	--	--	9	22	200
701591	0.36	0.36	--	--	17	35	32
701593	0.03	0.03	--	--	17	18	16
701595	0.01	0.01	--	--	9	18	20
701597	0.10	0.05	0.15	--	14	8	18
701599	0.01	0.01	--	--	15	14	24
701601	0.03	0.03	--	--	13	16	28
701603	0.01	0.01	--	--	15	16	20
701605	0.01	0.01	--	--	18	12	26

Units	ppm						
DL	0.01	0.01	0.01	0.01	2	4	2
Scheme	FA1	FA1	FA1	FA1	AAS1	AAS1	AAS1

*mostly rock chip,
localities not all
recorded*



0044

CLASSIC LABORATORIES LTD

371045

see p. 43

ANALYTICAL REPORT

Job: OAD3086
O/N: 1491/507/543

Sample	Ag
704259	<1
2496-704296	<1
704432	<1
704435	1
704974	<1
701555	<1
701556	<1
701557	<1
701558	<1
701559	<1
701560	<1
701561	<1
701562	<1
701563	<1
701564	1
701565	<1
701566	<1
701567	<1
701568	<1
701569	1
701570	1
701571	<1
701580	<1
701588	<1
701591	<1
701593	<1
701595	<1
701597	<1
701599	<1
701601	<1
701603	<1
701605	<1

Units ppm
DL 1
Scheme AAS2

0015

371046



**Assay
Research
Australia
Pty. Ltd.**

ANALYSIS REPORT

Assay Research Australia
2/15A Kirke Street
BALCATT A W.A. 6021
Phone (09) 344 4566
Fax (09) 345 3023

PLACER EXPLORATION LIMITED

REPORT : AA923 1 Page Date : 30/09/90

Client reference : 1492

Cost code :

Copies to : P.D.ELLIS

Samples : Type Preparation code
Received : 26/09/90 -----

Analysis	Code	Quality Parameter	Detection	Units
Au	Au-BLEG	Prec. 10 %	0.1	ppb
Ag	Ag-BLEG	Prec. 10 %	0.1	ppb
Cu	Cu-BLEG	Prec. 10 %	0.01	ppm

Senior Chemist : Brian Givens

371047



**Assay
Research
Australia
Pty. Ltd.**

0015

REPORT NO. AA923

5kg BULK CYANIDE LEACH
ORDER NO. 1492

Assay Research Australia
2/15A Kirke Street
BALCATT A W.A. 6021
Phone (09) 344 4566
Fax (09) 345 3023

Page 1 OF 1

SAMPLE NUMBER	Au ppb		Ag ppb		Cu ppm	
	DL	0.1	DL	0.1	DL	0.01
701573		0.5		13.1		0.34
701574		1.3		23.9		1.1
701575		1.5		27.0		2.6
701576		1.1		24.8		1.6
701577		2.0		40.8		2.5
701578		0.9		36.0		3.0
701579		4.3		25.7		1.9
701589		2.0		170**		7.2

locality not recorded

NOTE. ** Result 100ppb or greater. SNR denotes sample not received. DTF denotes data to follow. DL denotes detection limit. Senior Chemist : Brian Givens

371048



Assay Research Australia Pty. Ltd.

ANALYSIS REPORT

0047

Assay Research Australia
2/15A Kirke Street
BALGATTA W.A. 6021
Phone (09) 344 4566
Fax (09) 345 3023

PLACER EXPLORATION LIMITED

REPORT : AAS23 1 Page Date : 30/09/90

Client reference : 1490

Cost code :

Copies to : P.D. ELLIS

Samples : Type Preparation code
Received : 26/09/90

Analysis	Code	Quality Parameter	Detection	Units
Au	Au-BLEG	Prec. 10 %	0.1	ppb
Ag	Ag-BLEG	Prec. 10 %	0.1	ppb
Cu	Cu-BLEG	Prec. 10 %	0.01	ppm

Analyst : Brian Givens

371049



**Assay
Research
Australia
Pty. Ltd.**

REPORT NO. AA923

0048

50g BULK CYANIDE LEACH
ORDER NO. 1492

Assay Research Australia
2715A Kirke Street
BALCATTA W.A. 6001
Phone (09) 344 4346
Fax (09) 345 3023

Page 1 OF 1

SAMPLE NUMBER	Au ppb DL 0.1	Ag pp DL 0.	Cu ppm DL 0.01
701573	0.6	13.1	0.34
701574	1.3	23.9	1.1
701575	1.5	27.0	2.6
701576	1.1	74.5	1.6
701577	2.0	40.3	2.5
701578	0.9	35.0	3.0
701579	4.3	25.7	1.9
701589	2.0	170**	7.2

Same as p. 46

NOTE: ** Result 100ppb or greater. SNR denotes sample not received. DTF denotes data to follow. DL denotes detection limit. Senior Chemist: Brian Givens



0049

Assay Research Australia
2/15A Kirke Street
BALCATT A W.A. 6021
Phone (09) 344 4566
Fax (09) 345 3023

PLACER EXPLORATION LIMITED

REPORT : AA1008 1 Page Date : 09/11/90

Client reference : 1493

Cost code :

Copies to : P.D.ELLIS

Samples : Type Preparation code
Received : 02/11/90

Analysis	Code	Quality Parameter	Detection	Units
Au	Au-BLEG	Prec. 10 %	0.1	ppb
Ag	Ag-BLEG	Prec. 10 %	0.1	ppb
Cu	Cu-BLEG	Prec. 10 %	0.01	ppm

Senior Chemist : Brian Givens

371051



Assay
Research
Australia
Pty. Ltd.

REPORT NO. AA1008

0059

5kg BULK CYANIDE LEACH
ORDER NO. 1493

Assay Research Australia
2/15A Kirke Street
BALCATT A W.A. 6021
Phone (09) 344 4566
Fax (09) 345 3023

Data base no.

Page 1 OF 1

SAMPLE NUMBER	Au ppb DL 0.1	Ag ppb DL 0.1	Cu ppm DL 0.01
------------------	------------------	------------------	-------------------

701624	0.4	80.7	6.8	2260
--------	-----	------	-----	------

701625	0.9	47.3	5.2	2261
--------	-----	------	-----	------

Mt Suddelbach prospect

NOTE. ** Result 100ppb or greater. SNR denotes sample not received. DTF denotes data to follow. DL denotes detection limit. Senior Chemist : Brian Givens



0052

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


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

FINAL ANALYSIS REPORT

Your Order No: 1406

Our Job Number : OAD4138

Samples received : 28-NOV-1990

Results reported : 07-DEC-1990

No. of samples : 80

Report comprises a cover sheet and pages 1 to 2

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 Miss Anne Reed quoting the above job number.

Approved Signatory:

John Waters
 Technical Manager - Adelaide

CC

Mr P Ellis

TAS

Report Codes:

N.A. - Not Analysed.
 L.N.R. - Listed But Not Received.
 I.S. - Insufficient Sample.

Distribution Codes:

CC - Carbon Copy
 EM - Electronic Media
 MM - Magnetic Media

"RELIABLE ANALYSES AT COMPETITIVE COST"



Job: OAD4138

O/N: 1406

ANALYTICAL REPORT

Sample	As	Sb
701607	830	4
701609	410	5
701611	10	<4
701612	10	<4
701613	3	<4
701614	8	<4
701615	9	<4
701616	17	<4
701618	260	<4
701619	560	10
701620	100	4
701621	11	<4
701622	2200	6
701623	190	6
701714	6	<4
701651	5	<4
701652	5	<4
701653	4	4
701654	8	<4
701656	6	<4
701657	13	<4
701658	10	4
701659	17	<4
701660	<2	<4
701661	11	<4
701662	11	<4
701663	17	<4
701664	18	<4
701665	12	4
701666	12	<4
701667	22	<4
701668	22	<4
701669	24	<4
701670	30	4
701671	6	<4
701672	8	<4
701673	3	<4
701674	30	4
701675	25	<4
701676	9	<4
701677	7	<4
701678	46	4
701680	30	<4
701681	22	<4
701682	13	<4

rock chip only

locality not recorded
probably rock chip data

Units	ppm	ppm
DL	2	4
Scheme	XRF1	XRF1



ANALYTICAL REPORT

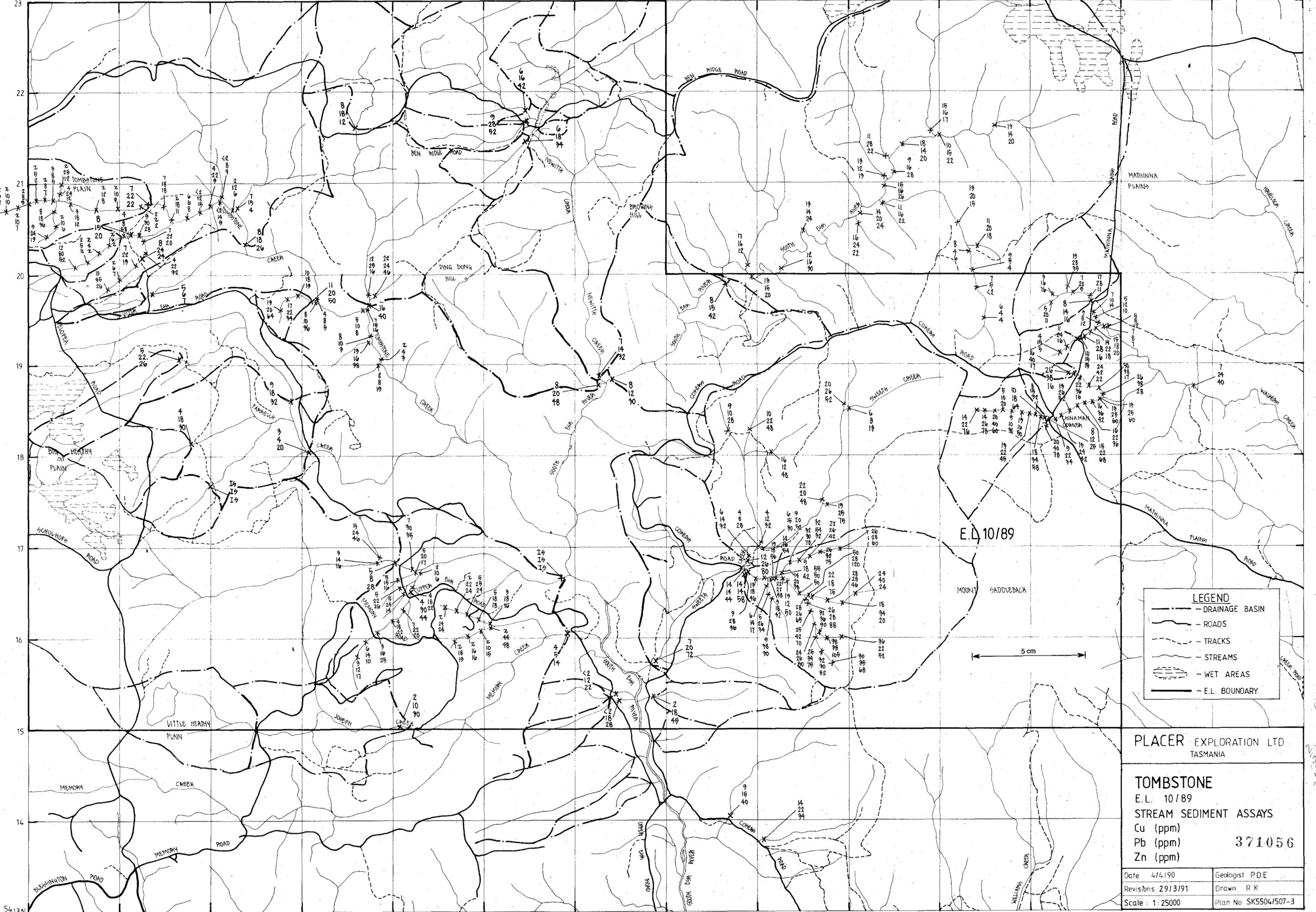
Sample	As	Sb
701683	11	4
701684	14	<4
701685	17	<4
701686	22	<4
701687	11	<4
701688	9	<4
701689	7	<4
701690	6	<4
701691	6	<4
701692	8	<4
701693	10	<4
701694	24	<4
701695	22	<4
701696	22	<4
701697	36	5
701698	19	<4
701699	20	<4
701700	<2	4
701701	12	<4
701702	96	<4
701703	54	4
701704	60	4
701705	25	<4
701706	13	4
701707	8	<4
701708	15	<4
701709	10	<4
701710	<2	<4
701711	26	<4
701712	17	4
701713	2	<4
701715	<2	4
701608	28	<4
701610	530	<4
701617	<2	4

locality not recoded

— Mt Saddleback prospect

— Locality not recoded

Units	As	Sb
DL	2	4
Scheme	XRF1	XRF1



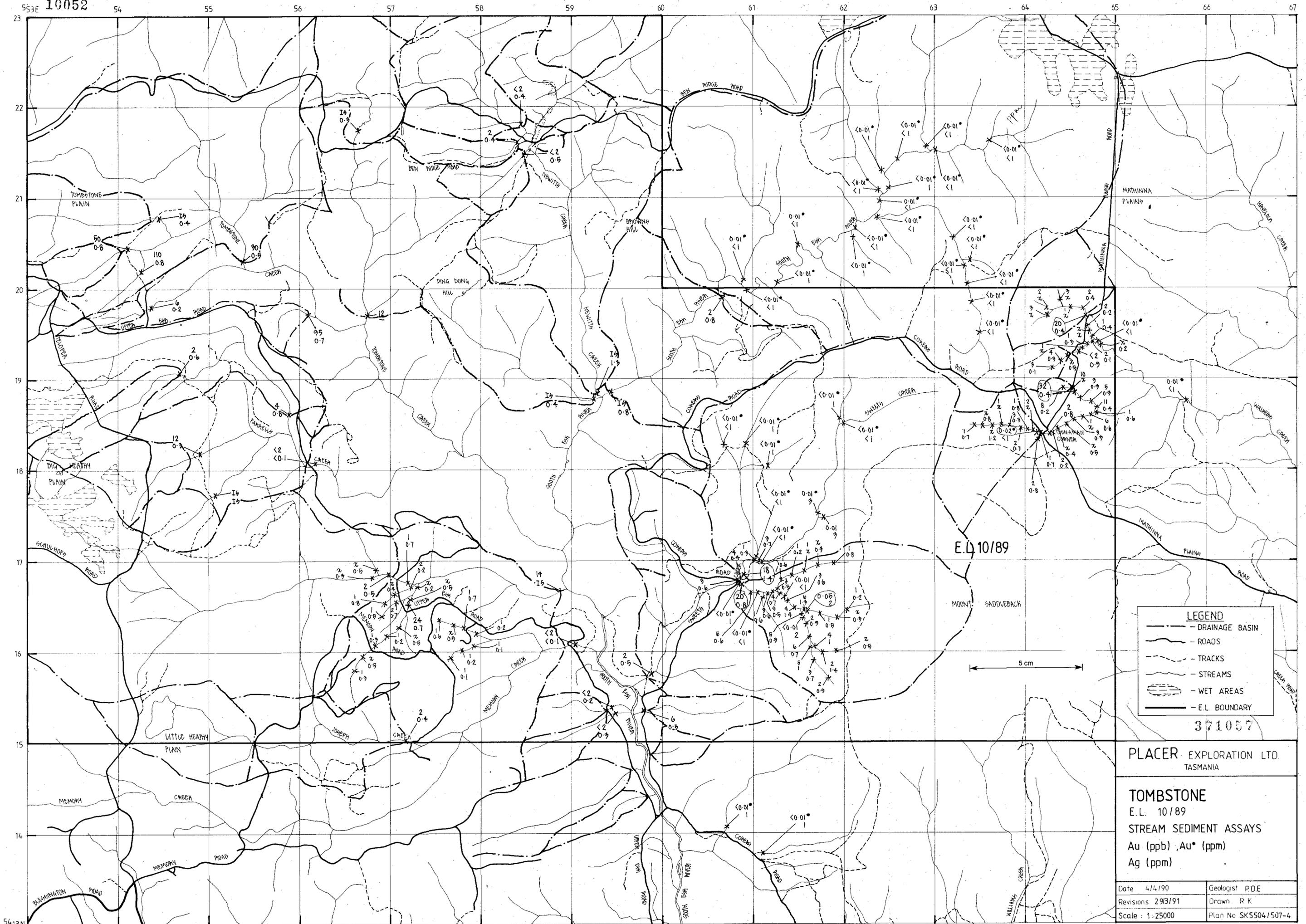
LEGEND

- 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) **371056**
 Zn (ppm)

Date 4/4/90	Geologist P.O.E
Revisions 29/3/91	Drawn R.K
Scale 1:25000	Plan No SK5504/507-3



LEGEND

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

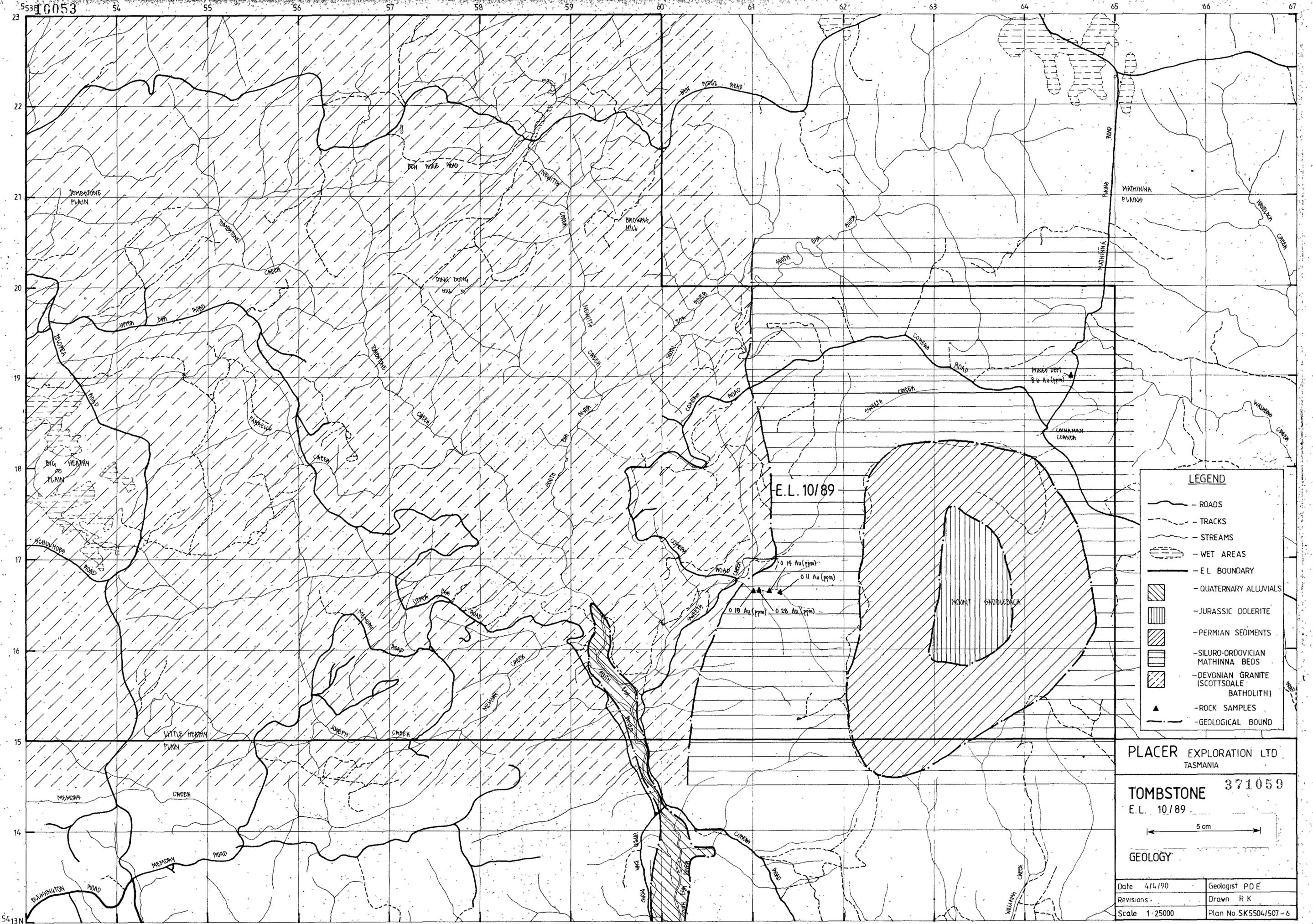
5 cm

371057

PLACER EXPLORATION LTD.
TASMANIA

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

Date 4/4/90	Geologist P.O.E
Revisions 29/3/91	Drawn R.K
Scale: 1:25000	Plan No SK55041507-4



LEGEND

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

PLACER EXPLORATION LTD
TASMANIA

TOMBSTONE 371059
E.L. 10/89

5 cm

GEOLOGY

Date 4/14/90	Geologist PDE
Revisions	Drawn R K
Scale 1:25000	Plan No. SK5504/507-6

5413N



Au, Cu, Pb, Zn, As, Sb, Ag
 704291 (200-400 M) - Cu, Pb, Zn, As, Sb, Ag
 704292 (400-600 M) - Cu, Pb, Zn, As, Sb, Ag
 704293 (800-1000 M) - Cu, Pb, Zn, As, Sb, Ag
 704294 (1200-1500 M) - Cu, Pb, Zn, As, Sb, Ag

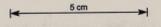
371061

91-3255.

LEGEND

- x 704290 - DATA GOLD
- x 704291 - MINING ADJUSTMENT
- x 704292 - ROAD CUT
- x 704293 - ROAD
- TRACK
- CANAL
- TRACK
- xxxxx QUARTZ VEIN (MINING)
- MINING ADJUSTMENT
- MINING ADJUSTMENT (MINING)

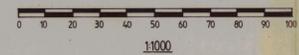
Au, Cu, Pb, Zn, As, Sb, Ag
 (200, 400, 600, 800, 1000, 1200, 1500 M)



PLACER TOMBSTONE TAS

E.L. 10/89, TOMBSTONE, CHINAMAN'S CORNER PROSPECT GEOLOGY & ROCKCHIP GEOCHEMISTRY. Au, Cu, Pb, Zn, As, Sb, Ag ppm

Date: 1/4/91	Geologist: P.D.E
Checked: Drawn: R.K	
Revisions:	Plan No: SK5504 / 507-8



564500E