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SK55-4
PROJECT 543

ANNUAL AND FINAL REPORT
FOR THE YEAR ENDING 25/5/91
EL 3/90, TALAWA TASMANIA

OPEN FILE

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Placer Exploration Ltd
By: P. D. Ellis
Date: April 1991
Report No: TAS 91/22

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KEYWORDS

TASMANIA

EXPLORATION

EL 3/90

GOLD

SK55-04

SILVER

TALAWA

LEAD

ZINC

MATHINNA BEDS

COPPER

ARSENIC

8415 (FORESTER)

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PLANS (In Pocket)

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SK5504/543-1 ✓ EL 3/90 TALAWA Sample Locations	1:25000
SK5504/543-2 ✓ EL 3/90 TALAWA Bulk Gold Assays - Cu, Ag, Au	1:25000
SK5504/543-3 / EL 3/90 TALAWA Stream Sediment Assays - Cu, Pb, Zn	1:25000
SK5504/543-4 ✓ EL 3/90 TALAWA Stream Sediment Assays - Ag, Au	1:25000
SK5504/543-5 ✓ EL 3/90 TALAWA Follow-up Sample Locations	1:25000
SK5504/543-6 ✓ EL 3/90 TALAWA Follow-up Stream Sediments Cu, Pb, Zn	1:25000
SK5504/543-7 EL 3/90 TALAWA Follow-up Stream Sediments Ag, Au	1:25000

1. SUMMARY

EL 3/90, over the Talawa/Mt Saddleback area, was obtained to explore for Carlin and/or Ketzia 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 Carries Brook headwaters, a Carries Brook tributary and a tributary of the Dorset River (in the northwest corner of the Licence).

Follow-up of geological mapping, and stream sediment sampling of the Carries Brook headwaters area showed Au values to 520ppb in stream sediment -20# samples. No source rocks for this anomaly were located. The area was gridded (pegged but not cut) and traversed with soil sampling. The geochemistry of this sampling failed to confirm the Au anomaly.

The follow-up stream sediment sampling and mapping of the Carries Brook tributary failed to confirm this anomaly. The Dorset River tributary follow-up sampling showed some weak anomalous values and probably relate to the Atherton Goldfields.

Alberthon

No further work is required in this area, at present. The area should be relinquished.

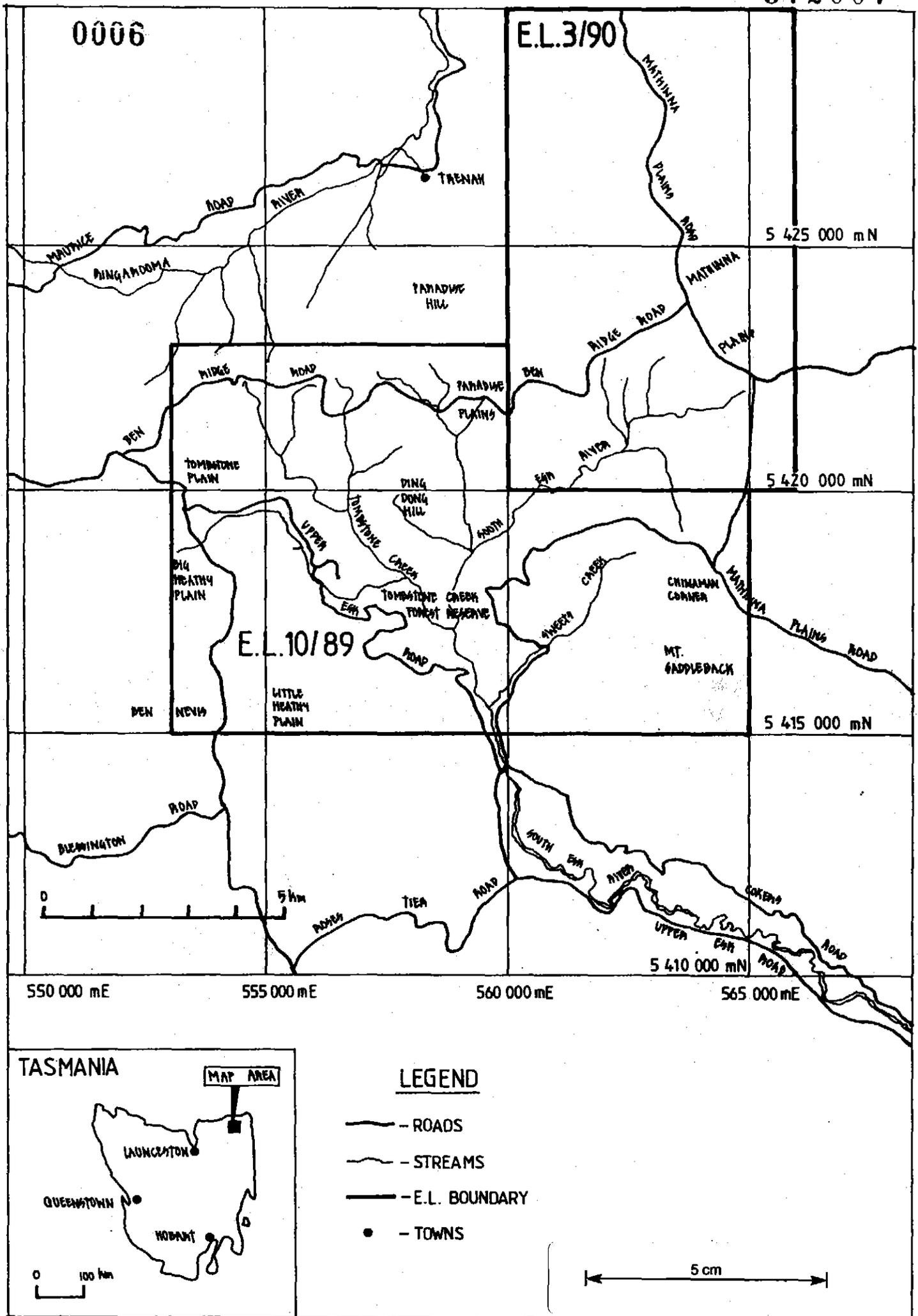


FIG. 1 LOCATION MAP, E.L.10/89 TOMBSTONE, E.L.3/90 TALAWA

2. INTRODUCTION

EL 3/90, Talawa, is located 55km east of the major central northern Tasmanian city of Launceston (Figure 1). The Licence is centred on Mathinna Plains about 15km northwest of the small northeastern Tasmanian township of Mathinna. It extends northwards from Cohen Road to Barnett Road, Talawa and westwards from Carries Brook to the Dorset River.

The Licence was obtained by Placer Exploration Limited as a result of an application made on the 21st December 1989 over 59 sq kms of ground included as ETA 142 over the Talawa area. This was to explore an area underlain by Ordovician-Silurian Mathinna Beds adjacent to a Devonian granite (Scottsdale Batholith) for Carlin style and/or Ketz River style gold mineralisation. EL 3/90 was granted to Placer Exploration Limited on the 25th May 1990 over an area of 60 sq. km. This area excludes 0.1 sq. km. of Crown Reserve and 44 hectares of OS Heads held by APPM (32 hectares as 67M/73), A.M. & J.A. Berwick (2 hectares as 35M/86) and Ringarooma Municipality (10 hectares as 43M/87). A 20 hectare prospecting claim for dimension stone (held by V. Threader) is included in the EL but is still available for our exploration. The resultant 60 sq. km area of EL 3/90 has an expenditure commitment of \$40,000 over the first 3 years of tenure (i.e. before May 1993).

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. Goldsearch Limited completed minor Au exploration in the area but this was concentrated around the old Mining Leases nearer Mathinna. 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 initial period of EL 3/90.

3. LOCATION AND GENERAL

EL 3/90 is centred 15 km northwest of the small village of Mathinna in northeast Tasmania, about 45km west from the east coast holiday village of Scamander and about 25km northwest of the Fingal valley centre of Fingal. The 10km (N-S) by 6km (E-W) area is in the headwaters of the South Esk and Ringarooma Rivers.

Excellent access to the Licence area is provided by a gravel continuation of the sealed Fingal to Mathinna road. This road (Mathinna Plains Road) traverses the Licence from south to north and provides good access from both Mathinna (South) and Ringarooma (South). Another high grade gravel road (Ben Ridge Road) provides good access to the southwestern part of the Licence. 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.

Most of the Licence is underlain by a sequence of turbidic sandstone, siltstones and mudstones of the Ordovician-Silurian Mathinna Beds. Overlying these rocks at Mt Saddleback (to the south of the Licence) 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 part) 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. 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 has been logged with parts being replanted with pine plantations.

The Licence area is drained mainly by the headwaters of the Ringarooma River. The southern edge is drained by the headwater streams of the South Esk 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 Ringarooma River.

4. TITLE

Exploration Licence 3/90 (Talawa) resulted from a Tender application for an area included in ETA 142. The application, lodged on the 21st December 1989, covered an area of 59sq 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 3/90) was granted to Placer Exploration Ltd on the 25th May 1990 for a 12 month period. This covered an area of 60 sq kms and excluded 44 hectares of Mining Lease (67M/73, 35M/86 and 43M/87 for Os. Heads). It includes 20 hectares of prospecting claim for dimension stone. The area is comprised mainly of State Forest with private land and Crown Land, parts are covered by parts of :

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

EL 3/90 is subject to yearly renewals for a maximum period of ten years (until 25th May 2000). In May 1995 the area is to be reduced by half, to around 30 sq. kms.

5. PREVIOUS EXPLORATION

Gold was the first metallic mineral discovered in Tasmania. It was discovered in 1852 at Mangana (The Nook) 35kms to the southeast of EL 3/90. 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 3/90 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 3/90 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 3/90 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.

Gencor (Union Corporation) sampled part of the EL 3/90 area when it was held as part of EL 21/80. These samples were analysed only for tin and base metals. No anomalous values were noted in the Talawa area.

Goldsearch Limited held the Talawa area as part of their EL 31/88. Although indicating that old reports suggested small amounts of gold from an unexplained source were obtained from the headwaters of the South Esk River, they did not investigate the EL 3/90 area. Rather they concentrated exploration on old Mining Leases (eg ML 1305) nearer Mathinna. No significant Au was located.

No further investigations were recorded for the Talawa area until Placer Exploration applied for the area in late 1989.

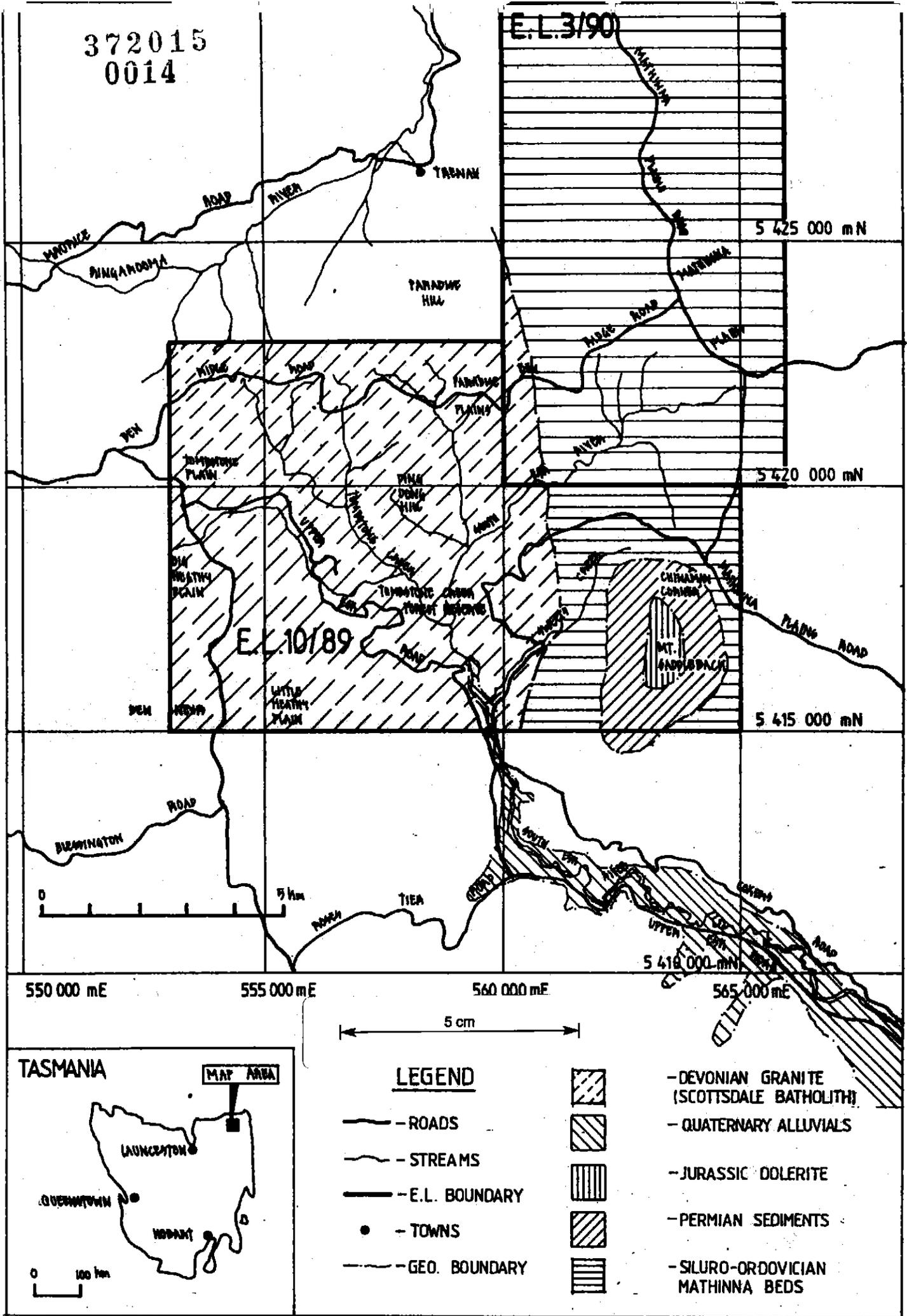


FIG.2 GEOLOGY SUMMARY, E.L.10/89 TOMBSTONE, E.L. 3/90 TALAWA

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 3/90 area they are composed mainly of sandstones and siltstones which have been folded and faulted probably during the Mid-Devonian Tabberaboran Orogeny and the Late Devonian intrusion of the granites. The resultant foliation trends north-northwest and dips steeply to the southwest. Within the EL 3/90 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 part 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.

To the south of EL 3/90 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 Permo-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 3/90.

Minor Quarternary alluvials occur in the flatter areas of the South Esk and Ringarooma Rivers. Swamp deposits occur on the flat high level plateaux.

7. CURRENT EXPLORATION

7.1 Techniques

EL 3/90 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 Ketz 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.

Further detailed -20# stream sediment sampling was undertaken in the resultant anomalous drainages.

This sampling suggested only one drainage (Carries Brook headwaters) to be significantly anomalous with the anomaly not being explained. This drainage was traversed by five 200m spaced lines (not cut) of soil sampling. The lines extended E-W across the valley from ridge top to ridge top with samples taken at 25m intervals.

7.2 Results

(a) General

The review of previous exploration data showed no detailed systematic exploration of the Talawa 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, Oceanic and Gencor 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 in the adjacent EL 10/89 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. One anomaly was in the South Esk River to the north of EL 10/89 (1.65ppb Au). This was the initial reason for the application for the Talawa Licence area.

(b) Drainage Geochemistry

On being granted EL 3/90 Placer sampled the remaining drainages within the Licence. This sampling (Sheet SK5504/543-1) showed three anomalous drainages (Sheets SK5504/543-2,-3,-4) these being

- the headwaters of Carries Brook showed a 1.1ppb BLEG Au anomaly
- a tributary of Carries Brook showed a weak 0.95ppb BLEG Au anomaly
- a small tributary of the Dorset River (in the northeast of EL 3/90) showed a 1.7ppb BLEG Au anomaly with a 0.12ppm -20# Au anomaly.

These three drainages, and the headwaters of the South Esk River were sampled in detail, with -20# samples. The results of this sampling (Sheets SK5504/543-5,-6,-7) showed only two drainages with Au anomalies. These were:

- the headwaters of Carries Brook where an 800m stretch of creek showed Au values of 8 to 520ppb
- a small tributary of the Dorset River where a 700m stretch showed Au values of 10 to 70ppb.

An inspection of these two areas showed that the Dorset River tributary anomaly may have been contamination from the Alberton Goldfield (upstream in the Dorset River) or related to Alberton type Au/quartz vein mineralisation. No explanation for the Carries Brook headwater anomaly could be determined. Further work (soil sampling) was required on the Carries Brook anomaly.

No Cu, Pb, Zn or Ag anomalies were indicated in any of the analyses over the entire EL 3/90 area.

(c) Soil Sampling

The five 200m spaced lines (Sheet SK5504/543-5) resulted in 82 soil samples being taken. The -80# fraction was analysed for Cu, Pb, Zn, As, Sb and Au. The results of these analyses (Appendix I) failed to show any significant Au anomalies, with the peak values being only 9ppb. Many samples showed no detectable Au. All As values showed anomalous values of 10 to 50ppm. Peak values of 620ppm As showed no significant Au (or any other analysed elements) and cannot be explained. They may relate to faulting along the valley (straight) and/or associated quartz veining. Sb showed no anomalous values with almost all being below the detection limit of 4ppm.

Cu, Pb and Zn showed isolated anomalous values to 80, 115 and 140ppm respectively. No significant anomalous zone was observed.

7.3 Proposed Exploration

Although the regional drainage sampling identified 4 anomalous drainages follow-up stream sediment sampling could only confirm two of these drainages to contain anomalous gold. Of these, one was thought to be contamination and/or leakage from the Alberton Goldfields.

The remaining unexplained anomaly in Carries Brook headwaters was traversed by soil sampling. This failed to show any significant gold (only weak gold and some strong As) which may have been from a fault along the creek and/or associated quartz veining.

At this stage no further work is proposed.

The Licence should be relinquished.

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

CARRIES BROOK HEADWATERS

Soil Sampling Analyses


CLASSIC LABORATORIES LTD

Incorporated in WA; a wholly owned subsidiary of Amel 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: 1506

Our Job Number : 1AD0675

Samples received : 08-MAR-1991

Results reported : 19-MAR-1991

No. of samples : 84

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"



ANALYTICAL REPORT

Job: 1AD0675
O/N: 1505

Sample	Au Avg	Au	Au Rpi	Au SS1	Cu	Pb	Zn	Northng	Traverse	Distance from Grid
700991	2	2	--	--	38	105	55	54 26100mN	1	25 W
700992	4	6	2	--	48	58	45	"	"	50 W
700993	4	4	--	--	36	46	46	"	"	75 W
700994	5	5	--	--	32	42	40	"	"	100 W
700995	3	3	--	--	28	82	50	"	"	125 W
700996	7	7	--	--	28	50	36	"	"	150 W
700997	9	9	--	--	34	46	34	"	"	175 W
700998	2	2	--	--	40	35	34	"	"	200 W
700999	2	2	--	--	48	45	42	"	"	225 W
701000	2	2	--	--	50	48	35	54 26100mN	1	225ND
704498	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.			
704499	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.			
701716	2	2	--	--	34	65	56	54 26100N	1	250W
701717	1	1	--	--	44	58	45	54 26100N	1	25E
701718	2	2	--	--	42	68	52	"	"	50E
701719	1	1	--	--	50	40	35	"	"	75E
701720	<1	<1	--	--	26	44	60	"	"	100E
701721	<1	<1	--	--	20	38	72	"	"	125E
701722	<1	<1	--	--	30	38	120	"	"	150E
701723	<1	<1	--	--	22	66	94	"	"	175E
701724	<1	<1	--	--	5	115	26	SAND		
701725	<1	<1	--	--	28	86	72	54 26100N	1	200E
701726	<1	<1	--	--	28	34	68	"	"	225E
701727	<1	<1	--	--	38	32	75	"	"	225&D
701728	<1	<1	<2	--	40	50	140	"	"	250E
701729	<1	<1	--	--	18	42	60	"	"	275E
701730	<1	<1	--	--	24	45	54	54 26100N	1	300E
701731	<1	<1	--	--	38	16	115	54 26300N	2	300E
701732	<1	<1	--	--	58	14	80	"	"	275E
701733	<1	<1	--	--	40	14	86	"	"	25E
701734	<1	<1	--	--	24	22	64	"	"	225E
701735	<1	<1	--	--	30	60	105	"	"	200E
701736	<1	<1	--	--	25	40	78	"	"	175E
701737	<1	<1	--	--	28	45	84	"	"	150E
701738	<1	<1	--	--	36	56	70	"	"	125E
701739	<1	<1	--	--	34	64	88	"	"	100E
701740	4	6	2	--	62	65	68	"	"	75E
701741	8	8	--	--	58	70	68	"	"	75E D
701742	3	3	--	--	48	45	84	"	"	50E
701743	1	1	--	--	38	38	96	54 26300N	2	25E
701744	3	3	--	--	46	44	75	54 26300N	2	25 W
701745	4	4	--	--	55	52	45	"	"	50 W
701746	7	7	--	--	45	58	42	"	"	75 W
701747	4	4	--	--	38	52	34	"	"	100 W
701748	8	8	--	--	55	60	52	"	"	125 W
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

ANALYTICAL REPORT

Job: 1AD0675

O/N: 1505

Sample	Au Avg	Au	Au Rp1	Au SS1	Cu	Pb	Zn		
701749	<1	<1	--	--	7	12	14	SAND	
701750	6	6	--	--	60	80	50	5226300N	2 150W
701801	4	4	--	--	36	42	42	5226300N	2 175W
701802	<1	<1	--	--	46	36	45	5226500N	3 100W
701803	2	2	--	--	44	36	36	"	" 75W
701804	<1	<1	--	--	35	32	38	"	" 50W
701805	3	3	--	--	40	40	52	"	" 25W
701806	<1	<1	--	--	42	36	78	5226500N	3 25E
701807	<1	<1	--	--	44	64	52	"	" 50E
701808	1	1	--	--	26	54	42	"	" 75E
701809	2	2	--	--	19	56	44	"	" 100E
701810	<1	1	<2	--	<2	30	50	"	" 125E
701811	<1	<1	--	--	14	28	48	"	" 125E D.
701812	3	3	--	--	14	30	44	"	" 150E
701813	1	1	--	--	15	28	54	"	" 175E
701814	<1	<1	--	--	10	22	48	"	" 200E
701815	1	1	--	--	14	18	40	"	" 225E
701816	1	1	--	--	24	35	105	5226500N	3 250E
701817	<1	<1	--	--	35	14	125	5226700N	4 225E
701818	<1	<1	--	--	26	28	125	"	" 200E
701819	6	6	--	--	18	30	58	"	" 175E
701820	2	2	--	--	19	30	52	"	" 150E
701821	3	3	--	--	17	32	54	"	" 150E D.
701822	2	2	--	--	13	36	70	"	" 125E
701823	1	1	--	--	24	32	46	5226700N	4 100E
701824	<1	<1	--	--	2	4	18	SAND	
701825	4	4	--	--	25	34	38	5226700N	4 75E
701826	9	9	--	--	35	40	40	"	" 50E
701827	5	5	--	--	28	30	38	5226700N	4 25E
701828	8	8	--	--	68	52	34	5226700N	4 25W
701829	8	8	--	--	80	66	34	"	" 50W
701830	2	1	2	--	5	48	15	522600E/5225300N	5 25SW
701831	<1	<1	--	--	8	54	15	"	" 25SW D.
701832	1	1	--	--	6	34	42	"	" 50SW
701833	<1	<1	--	--	13	62	50	"	" 75SW
701834	<1	<1	--	--	12	62	36	"	" 100SW
701835	1	1	--	--	26	52	26	"	" 125SW
701836	1	1	--	--	22	46	44	"	" 150 SW
701837	2	2	--	--	2	72	26	"	" 200 SW
Units	ppb	ppb	ppb	ppb	ppm	ppm	ppm		
DL	1	1	2	2	2	4	2		
Scheme	FA3	FA3	FA3	FA3	AAS1	AAS1	AAS1		



ANALYTICAL REPORT

Job: 1AD0675
O/N: 1505

Sample	As	Sb
700991	100	<4
700992	220	4
700993	36	<4
700994	56	5
700995	58	<4
700996	130	<4
700997	66	<4
700998	50	<4
700999	38	<4
701000	40	<4
704498	N.A.	N.A.
704499	N.A.	N.A.
701716	46	<4
701717	78	<4
701718	100	<4
701719	52	<4
701720	84	<4
701721	50	<4
701722	40	<4
701723	55	<4
701724	<2	<4
701725	35	<4
701726	42	<4
701727	40	<4
701728	62	<4
701729	28	<4
701730	24	<4
701731	5	<4
701732	8	<4
701733	9	<4
701734	22	<4
701735	18	<4
701736	50	<4
701737	26	<4
701738	20	<4
701739	100	<4
701740	620	<4
701741	620	<4
701742	165	<4
701743	75	<4
701744	42	<4
701745	65	<4
701746	140	<4
701747	170	<4
701748	90	<4
Units	ppm	ppm
DL	2	4
Scheme	XRF1	XRF1

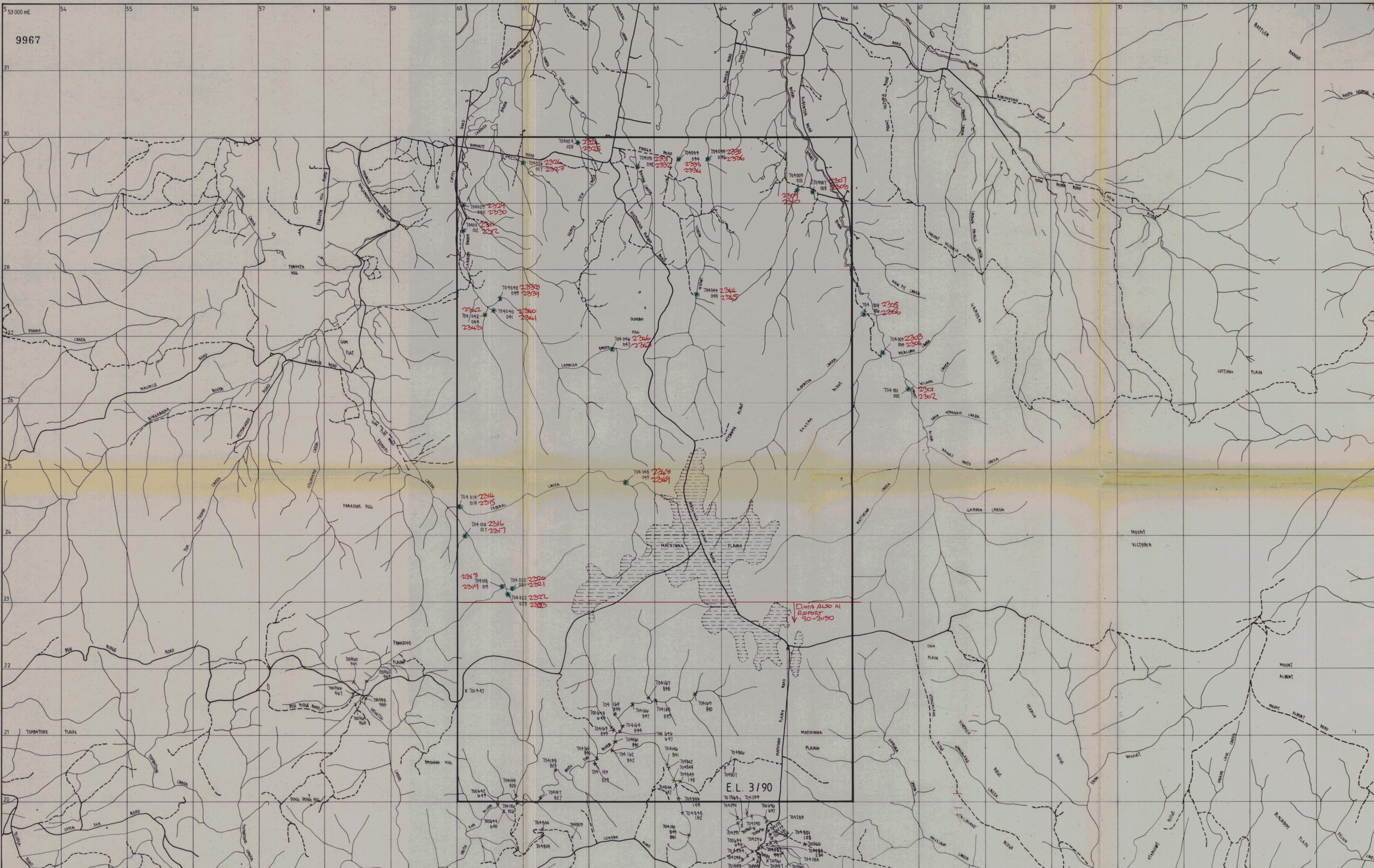


Job: 1AD0675
O/N: 1505

ANALYTICAL REPORT

Sample	As	Sb
701749	<2	<4
701750	78	<4
701801	40	<4
701802	40	<4
701803	44	<4
701804	32	<4
701805	44	<4
701806	38	<4
701807	56	<4
701808	32	<4
701809	19	<4
701810	18	<4
701811	18	<4
701812	14	<4
701813	11	<4
701814	19	<4
701815	38	<4
701816	7	<4
701817	10	<4
701818	16	<4
701819	32	<4
701820	40	<4
701821	40	<4
701822	30	<4
701823	26	<4
701824	<2	<4
701825	26	<4
701826	32	<4
701827	16	<4
701828	48	<4
701829	40	<4
701830	10	<4
701831	18	<4
701832	14	<4
701833	16	<4
701834	20	<4
701835	28	<4
701836	22	<4
701837	30	<4

Units	ppm	ppm
DL	2	4
Scheme	XRF1	XRF1



9967

LEGEND

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



PLACER TALAWA TASMANIA

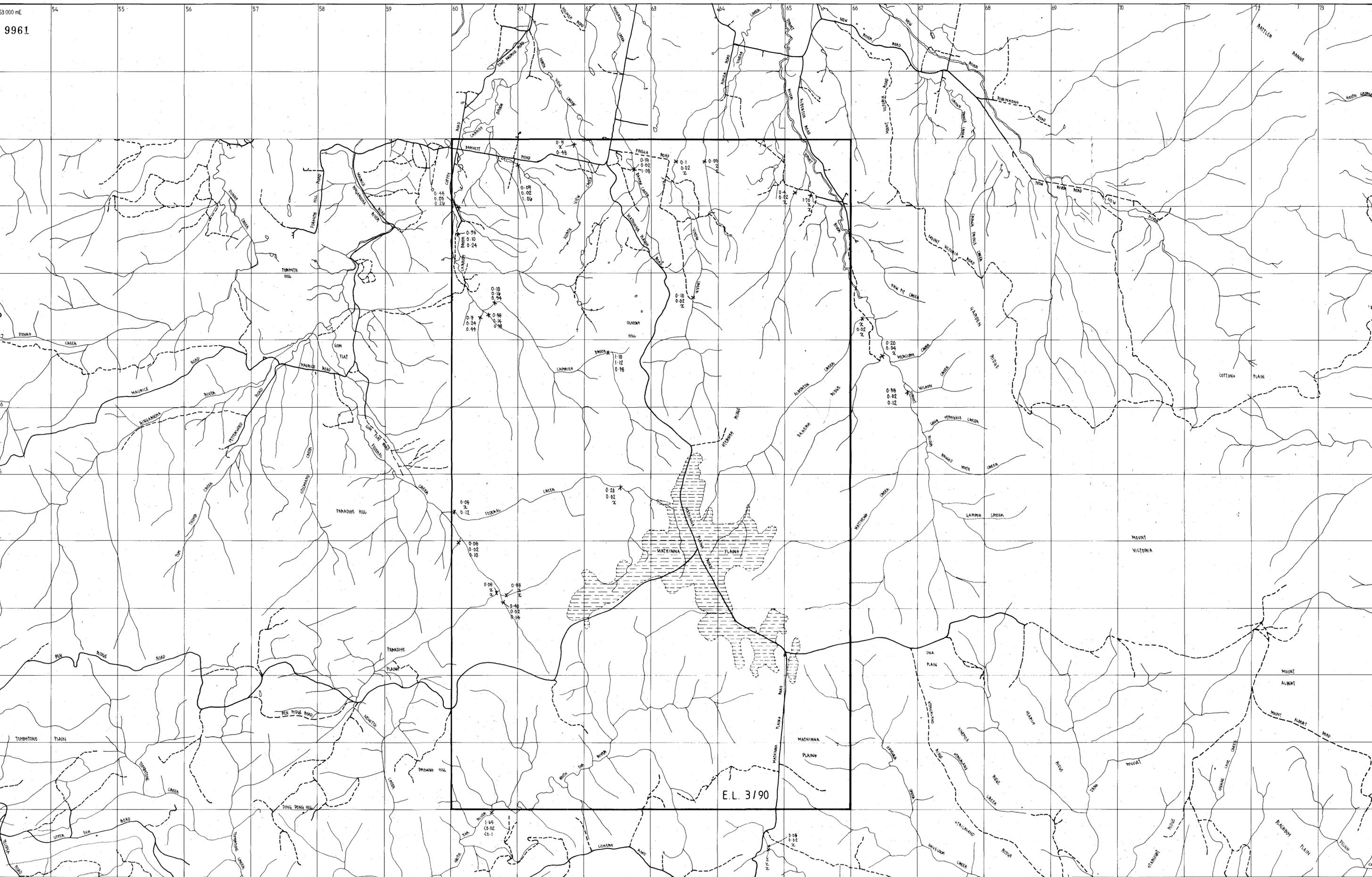
E.L. 3190, TALAWA, TASMANIA. REGIONAL SAMPLE LOCATIONS.

c. 80

372030

Date:	6/12/90	Geologist:	P.D.E.
Checked:		Drawn:	R.K.
Revisions:	29/3/91	Plan No.:	SK5504/543-1

SCALE 1:25 000



9961

E.L. 3190

LEGEND

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

5 cm

91-3254.

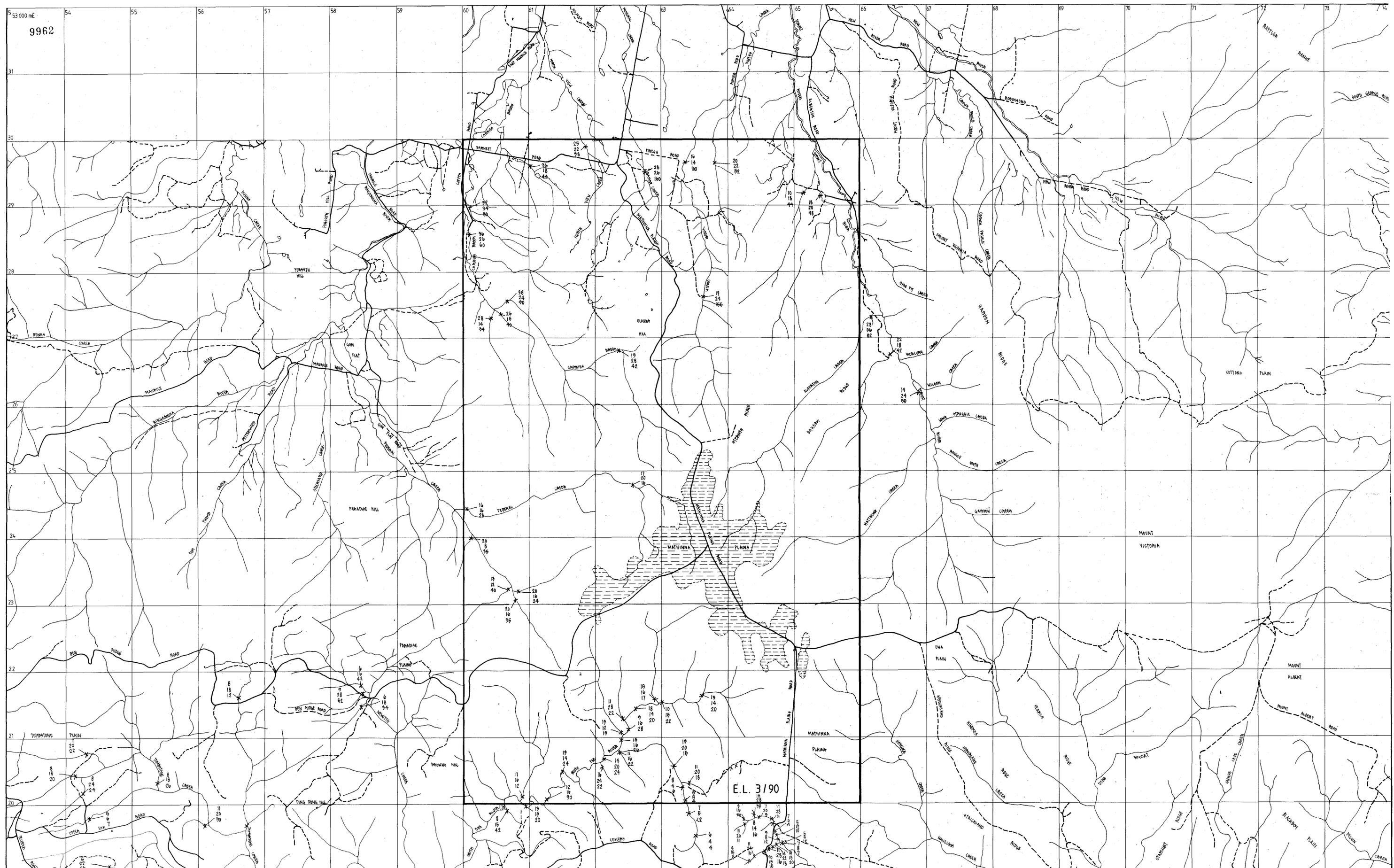
PLACER TALAWA TASMANIA

E.L. 3190, TALAWA, TASMANIA,
BLEG ANALYSES - Au (ppb)
Ag (ppb)
Cu (ppm)
of -6mm

Date:	6/12/90	Geologist:	P.D.E.
Checked:		Drawn:	R.K.
Revised:	20/3/01	Plan No.:	SK5502/503-2

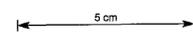
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372031



LEGEND

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



372032

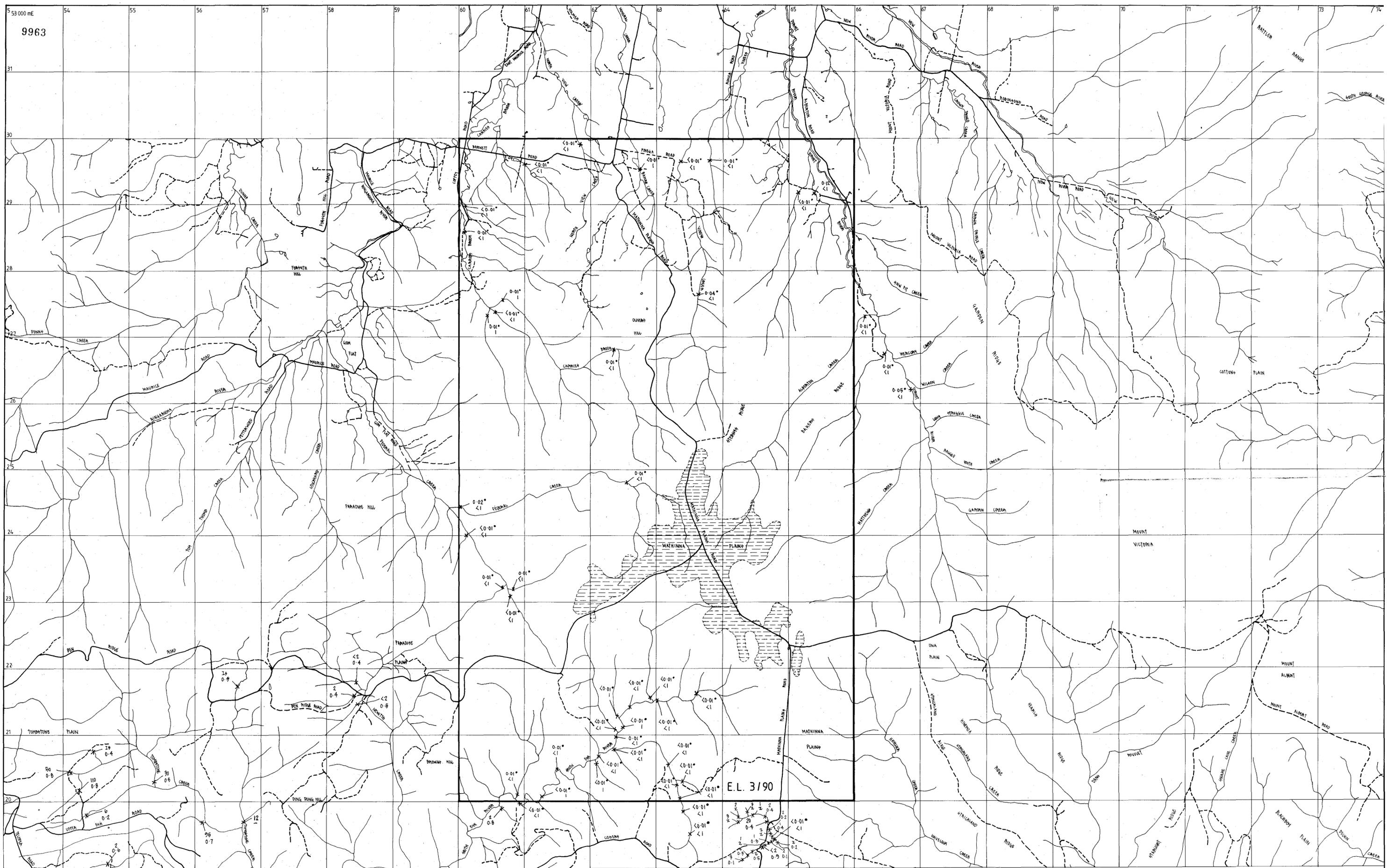
PLACER

E.L. 3/90, TALAWA, TASMANIA,
 STREAM SEDIMENT ASSAYS.
 C-75

Cu	(ppm)	-20#
Pb		
Zn		

Date: 9/12/90 Geologist: PDE
 Checked: Drawn: R.K.
 Revision: 29/3/91 Plan No: SK5504/543-3

91-3254.



LEGEND

- ROADS
- - - TRACKS
- - - STREAMS
- ▨ WET AREAS
- E.L. BOUNDARY



372033

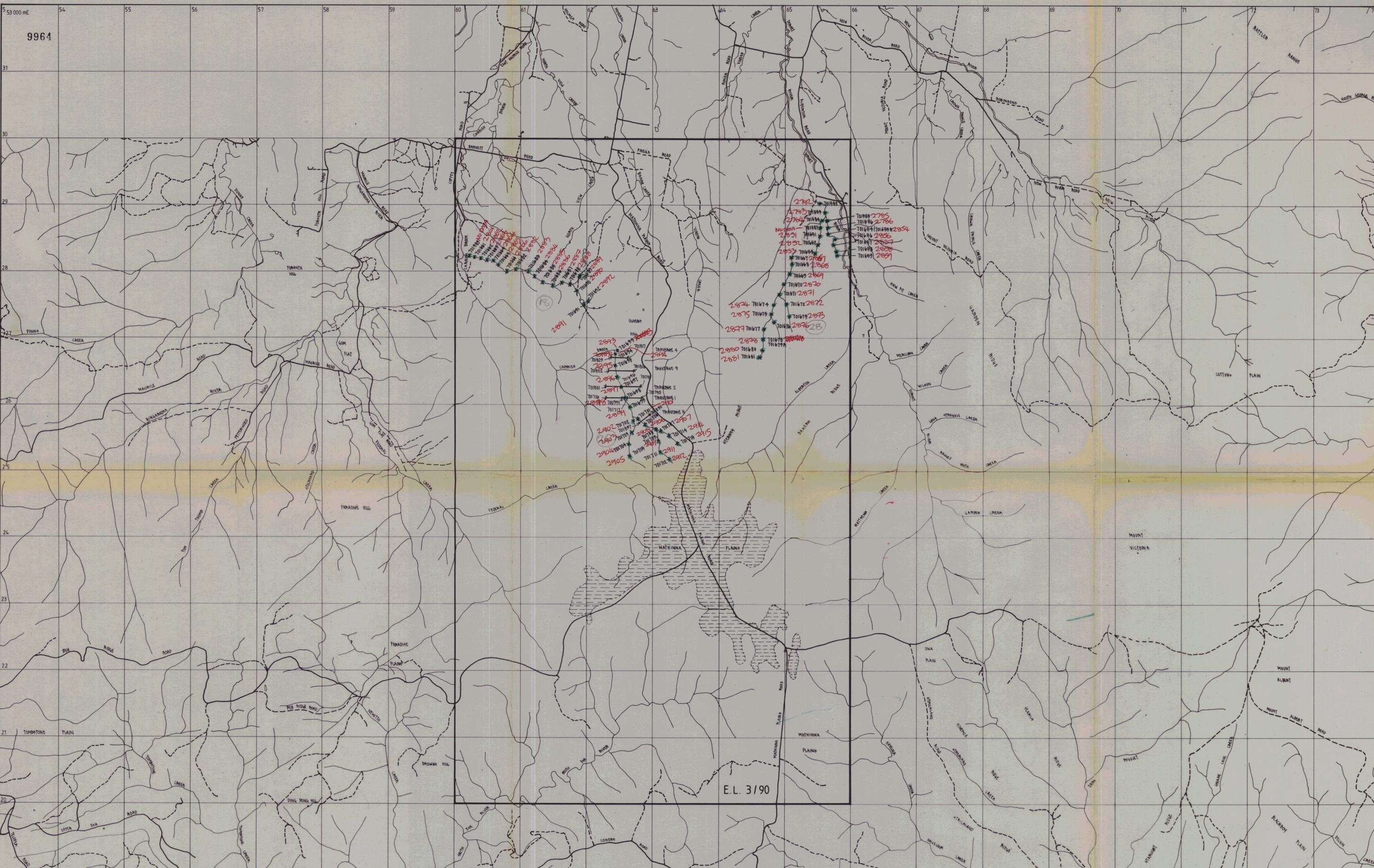
5 cm

91-3254

PLACER TALAWA TAS.

E.L. 3190, TALAWA, TASMANIA,
 STREAM SEDIMENT ASSAYS.
 Au (ppb), Au* (ppm)
 Ag (ppm)

Date: 9/12/90 Geologist: P.D.E.
 Checked: Drawn: R.K.
 Revisions: 29/3/91 Plan No: SK5504/543-4



9964

E.L. 3190

LEGEND

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



372034

91-3254.

PLACER TALAWA TASMANIA

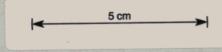
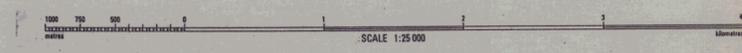
E.L. 3190, TALAWA, TASMANIA
FOLLOW-UP SAMPLE LOCATIONS

Date:	6/12/90	Geologist:	P.D.E.
Checked:		Drawn:	R.K.
Revisions:	29/31/91	Plan No.:	SK5504/543-5

SCALE 1:25 000

LEGEND

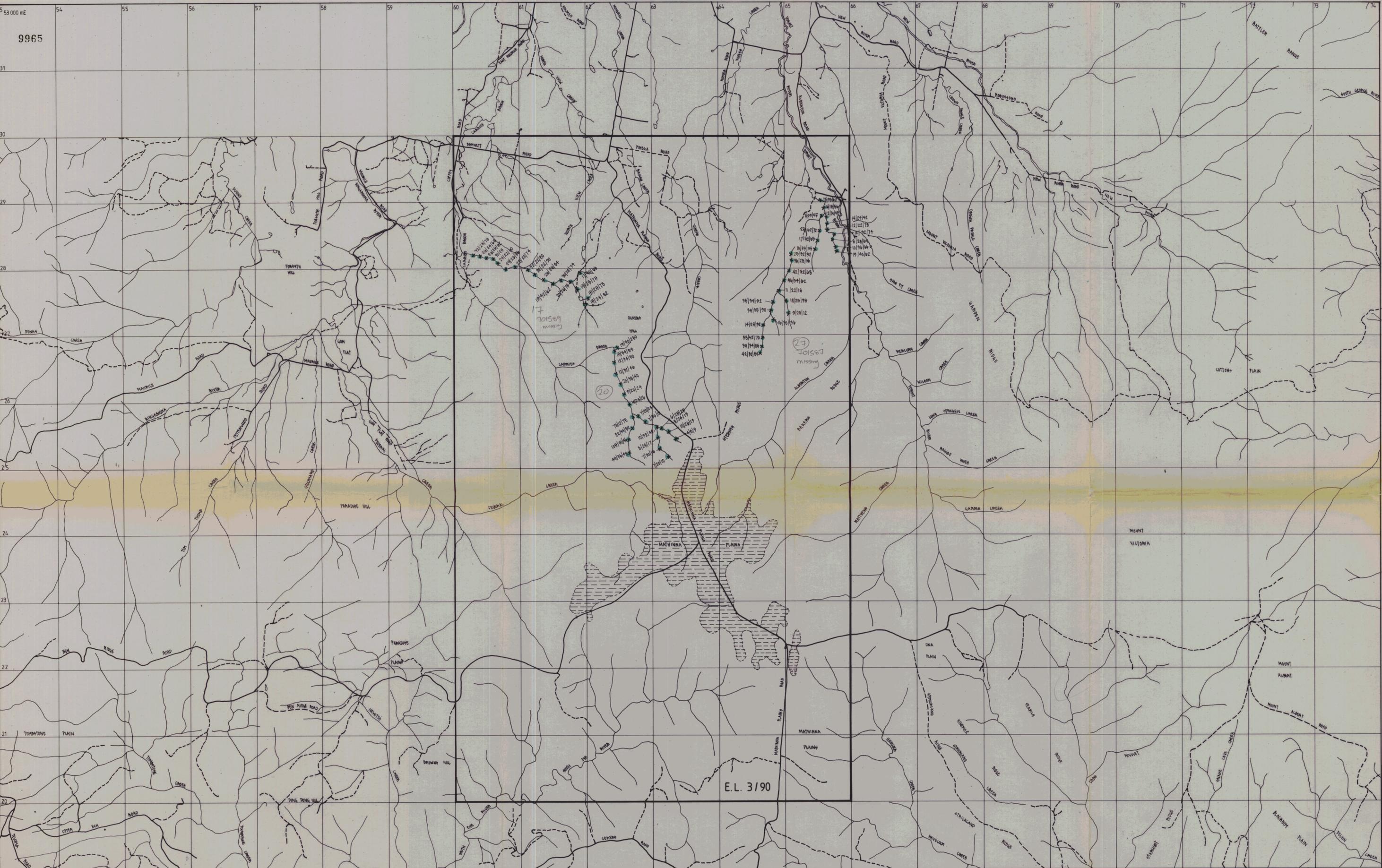
- ROADS
- TRACKS
- STREAMS
- WET AREAS
- E.L. BOUNDARY



372035
PLACER TALAWA TAS
 E.L. 3190, TALAWA, TASMANIA,
 FOLLOW UP STREAM SEDIMENTS
 Cu (ppm) / Pb (ppm) / Zn (ppm).
 (-20#)

Date: 9/12/90	Geologist: PDE
Checked: R.K.	Drawn: R.K.
Revisions:	Plan No: SK5504/543-6

91-3254.



53 000 mE

9966

31

30

29

28

27

26

25

24

23

22

21

20

54 19 000 mN

54

55

56

57

58

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62

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64

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66

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68

69

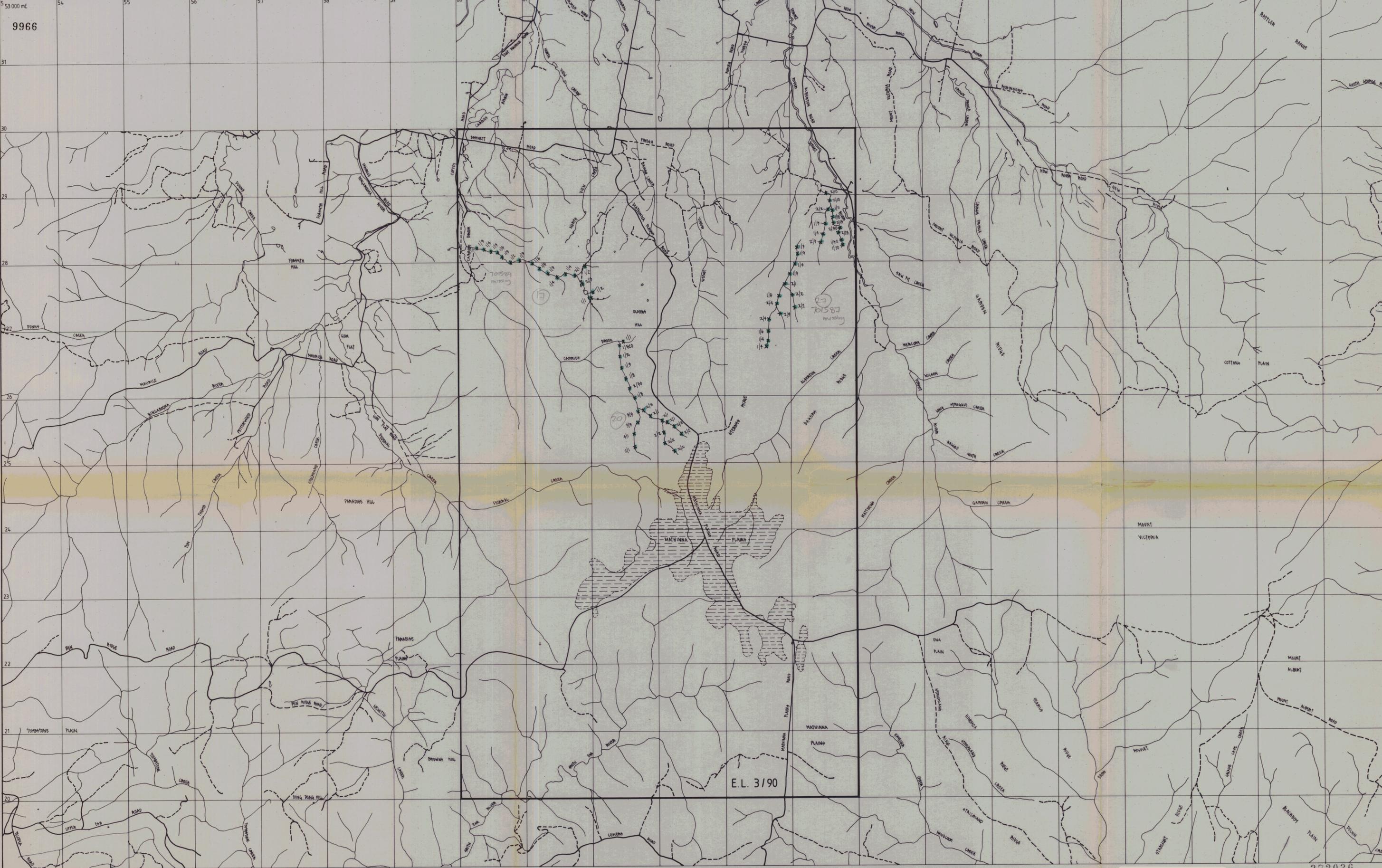
70

71

72

73

74



LEGEND

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

E.L. 3190

5 cm

372036

PLACER
TALAWA TAS

E.L. 3190, TALAWA, TASMANIA,
FOLLOW-UP STREAM SEDIMENTS
Ag (ppm) / Au (ppb)

Date: 9/12/90	Geologist: P.D.E.
Checked:	Drawn: R.K.
Revisions:	Plan No: SK5504/543-7

91-3254.

SCALE 1:25 000