

CSR LIMITED - MINERALS DIVISION

EXPLORATION GROUP

**MICROFILMED**

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EXPLORATION PROGRESS REPORT

E.L. 53/70, STANLEY RIVER, TASMANIA

PERIOD ENDING 10TH JUNE, 1982

**16 AUG 1982**

EMR 111/82

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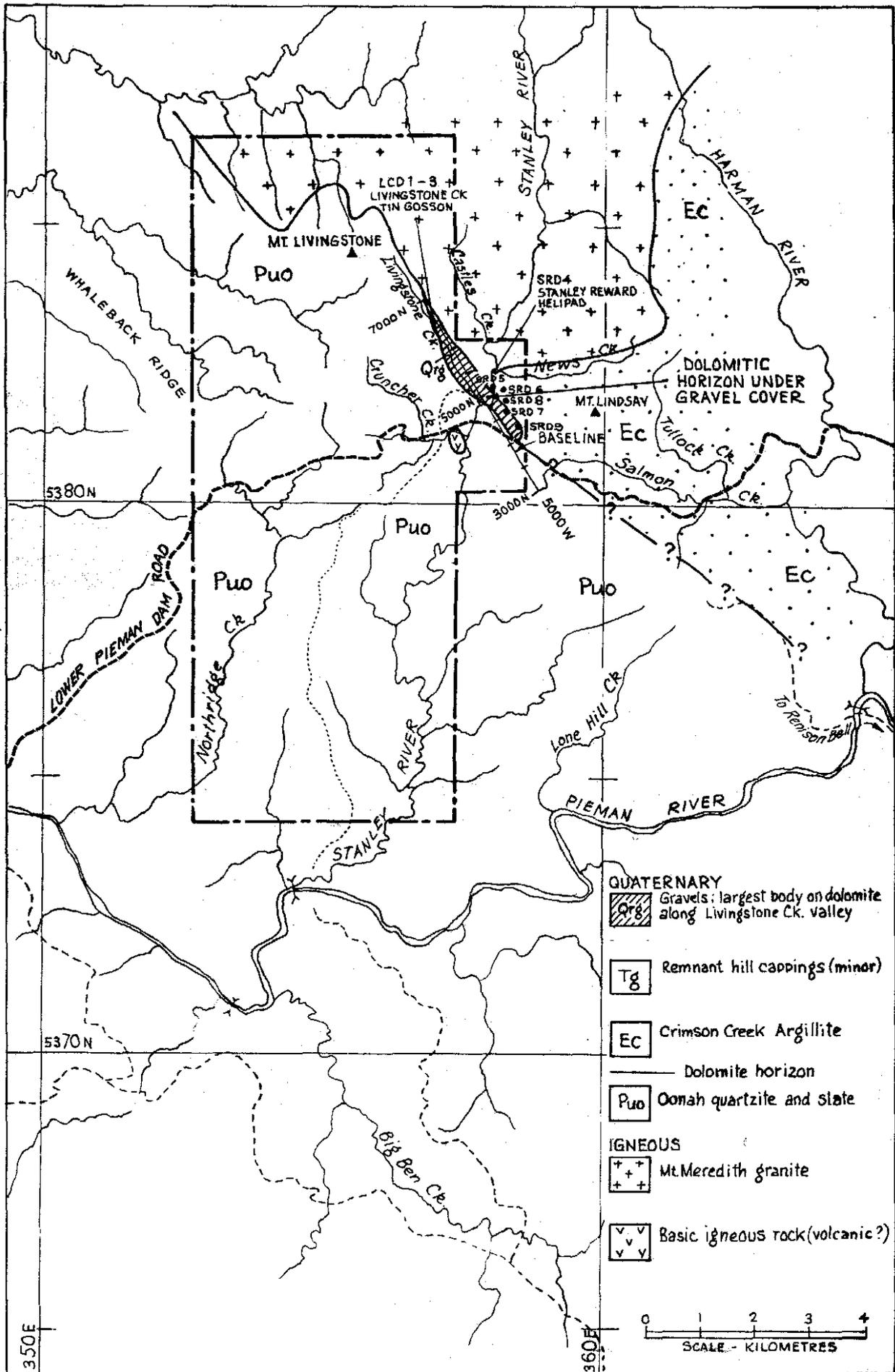
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KEYWORDS

TASMANIA  
TIN  
COPPER  
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AUGER  
GRANITE  
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EXPLORATION  
MINERALISATION  
ZINC  
GEOLOGY  
GEOCHEMISTRY  
SAMPLING  
PANNING  
SOIL  
DOLOMITE  
REPORT



**FIG. 1. GEOLOGY EL. 53/70 STANLEY RIVER TASMANIA**

5 cm

## 1. INTRODUCTION

Exploration Licence 43/70 (E.L. 53/70) was granted to Valley Exploration Pty. Ltd. on 10th December 1970. This E.L. covered an area of approximately 62 km<sup>2</sup> (originally 24 sq. miles) about 10-20 km directly north of Zeehan on the west coast of Tasmania. The Licence covers most of the lower reaches of the Stanley River from the Pieman River (in the south) to the headwaters of the Rocky River (in the north) and from the Stanley River (in the east) to the Whaleback Ridge (to the west).

CSR Limited (then Pacminex Pty. Ltd.) commenced discussions with Valley Exploration Pty. Ltd. for exploration rights in November 1972. Active exploration within the Licence by CSR Limited started in August 1973. This was under a "Heads of Agreement" until 24th July 1974 when a joint venture agreement was signed. E.L. 53/70 was transferred to CSR on 15th January 1979.

Since 1974 most of CSR's activity has been centred on the Stanley Reward/Livingstone Creek area adjacent to past mining activities. Recently regional studies have been undertaken.

This report details the 1981/82 exploration to June 1982.

2. SUMMARY

The exploration of E.L. 53/70 continued in 1981 and 1982.

Regional stream sediment sampling showed two copper/gold/nickel/zinc anomalies which require follow-up soil sampling and magnetometer traversing.

Forced auger soil sampling in the northern part of the Livingstone Creek valley suggest that a Renison-style replacement mineral deposit is less likely than a skarn type deposit. Confirmatory analyses are awaited.

### 3. LOCATION AND ACCESS

Until recently the only ground access to the Licence (Figure 1) was via road to the cable-car crossing of the Pieman River (at the mouth of the Stanley River) and then by the old foot-track (Bett's Track) to the Stanley Reward mining area. Stanley Reward is at the intersection of the old Bett's Track (from Zeehan to Waratah) and the Corinna Track (from Renison Bell via Mt. Lindsay to Corinna). In 1980 road access to E.L. 53/70 was gained when the Hydro Electric Commission completed a road from Tullah to the Lower Pieman Dam Site. This sealed road runs east-west across the Licence. No point on the Licence is now more than 6 km from a sealed road.

Approximately 75% of E.L. 53/70 is underlain by mudstones, siltstones and lithic sandstones of the Oonah Formation. This area is generally covered with a low button-grass scrub (except for the Ti-tree/sword grass/bowrah scrub in the gullies) and is easily traversed on foot. The remaining northeastern quarter of the Licence is underlain by Cambrian Success Creek Group sediments (10%) and Devonian Meredith Granite (15%). These areas are covered by thick horizontal scrub (with or without ti-tree/sword grass/bowrah). Small patches of alluvium around the Stanley Reward area are covered by button grass.

E.L. 53/70 covers portions of four main drainage basins all of which eventually flow into the Pieman River. The northern part of the Licence contains tributaries of the north and westward flowing Rocky River system; the central western area contains the headwaters of the westward flowing Paradise River; the southwestern quarter of the Licence contains the southward flowing Northridge Creek system; and the eastern portion of the Licence contains the southward flowing Stanley River system. These river systems are deeply incised giving rise to a very steep, hilly topography. Elevations of 300 m are common and range from 100 to 900 m.

#### 4. PREVIOUS EXPLORATION

##### 4.1 Pre CSR Limited

In the late 19th century prospectors located the Stanley Reward tin prospect (ferruginous gossan and alluvial) and the Mt. Lindsay lode tin prospect (to the east of E.L. 53/70). These areas were worked until about 1910.

No further exploratory work was carried out until 1956 when Rio Tinto/E.Z. covered the area in a regional survey of the West Coast of Tasmania. Photogeological and aeromagnetic maps at 1" = 1 mile scale were produced. Rio Tinto then concentrated on the Stanley River and Mt. Lindsay area completing detailed geological, geochemical, magnetometer and spontaneous potential surveys. Drilling was recommended but not undertaken.

When the Rio Tinto licence lapsed in 1963, the Stanley River area was taken up by the Aberfoyle Tin Development Partnership, which undertook preliminary investigations of the Stanley River/Livingstone Creek area in 1963/64. Follow-up work in 1969/70 consisted of re-establishing the grid, and magnetometer and geochemical traverses over anomalies.

In 1970, Valley Exploration Pty. Ltd. obtained E.L. 53/70. Preliminary -80 mesh panned heavy mineral concentrate geochemistry showed anomalies over the known tin mineralisation of Mt. Lindsay, Stanley Reward and Livingstone Creek. Other anomalies occurred in the Paradise River headwaters and in an area to the north of the Pieman River between the Stanley and Wilson Rivers.

Valley Exploration also collected some rock-chip samples and conducted limited magnetometer, scintillometer, ultraviolet radiation and VLF-EM traverses.

#### 4.2 CSR Limited

When CSR became interested in E.L. 53/70 in 1973, the areas considered to be of highest potential were the Livingstone Creek and the Stanley Reward dolomites and gossans.

After preliminary sampling and orientation surveys were completed, CSR drilled 3 diamond holes in the Livingstone Creek gossan and 1 hole in the supposedly Pb-Zn bearing dolomites beneath the Stanley Reward alluvials. Minor mineralisation was intersected. Airborne magnetic and electromagnetic surveys were followed by the cutting of a 4 km baseline and 17 cross-lines along the dolomite horizons of the Success Creek Group. Grid controlled geological mapping, soil sampling, ground magnetics, I.P., resistivity and orientation EM surveys were initiated and the grid progressively enlarged to fully cover anomalies.

Some ground checking of airborne EM anomalies was undertaken.

Two further diamond holes were drilled to the south of the Stanley Reward gossan in 1975/76. These showed some minor tin/copper mineralisation and indicated further ground work was required.

Further grid-controlled soil and rock-chip sampling was undertaken in conjunction with ground EM, magnetic, VLF-EM and scintillometer work. Contract IP surveys were completed prior to the drilling of two more holes in the Stanley Reward area.

One further hole was drilled at the south end of the Stanley Reward grid. This intersected some pyrrhotite in the Cambrian sediments.

The above work by CSR has been compiled in reports by Macnamara (1974, 1975, 1976, 1977a, 1977b, 1978a, 1978b, 1980a and 1980b).

It is apparent that most of the past CSR activity has been centred on the Stanley Reward/Livingstone Creek area with some regional work consisting of geological mapping and airborne EM and magnetic surveys.

## 5. GEOLOGY

### 5.1 Regional

The oldest rocks within the Licence are the relatively unmetamorphosed Precambrian rocks of the Oonah Formation. These interbedded very fine to fine-grained lithic and siliceous sandstones with minor horizons of laminated phyllitic mudstones, siltstones and coarse-grained lithic sandstones occur in about 75% of the area. They cover all but the northeastern corner of the Licence.

Unconformably overlying the Oonah Formation sediments are the sediments of the Success Creek Group. The only known occurrence of these sediments within E.L. 53/70 is in the swampy area along the Livingstone Creek (about 4 km strike length). This sequence of thinly bedded siliceous siltstones and calcareous (dolomitic) siltstones (equivalents of the Renison Bell Shale) are overlain by a carbonate (dolomitic) unit and interbedded haematitic chert and mudstone. These sediments are in the uppermost sequence of the Success Creek Group (Brown, 1980).

Volcaniclastic lithic wackes with interbedded siltstones and mudstones of the Crimson Creek Formation disconformably overlie the Success Creek Group sediments. Although covering a large area to the east of E.L. 53/70 sediments of the Crimson Creek Formation only occur in a small central eastern portion of the Licence.

The Devonian Meredith Granite is the only other rock type within E.L. 53/70. Fluids associated with this granitic complex are believed to be responsible for mineralisation at Mt. Bischoff, Cleveland, Mt. Lindsay, Mt. Razorback, Stanley Reward, Livingstone Creek, Renison Bell and Queen Hill.

Minor glacial and fluvioglacial recent sediments cap older rocks. They often contain anomalous tin and gold

values and occur as either ridge cappings or as valley floor alluvial type deposits.

## 5.2 Structural

The Oonah Formation forms a series of anticlinoriums in the northern and southern portions of the Licence. In the vicinity of the Stanley River bridge the Success Creek Group sediments have been preserved in a small syncline (pers. comm. - A.V. Brown).

Locally the Oonah Formation rocks are isoclinally folded. Later large scale folding produced the dome-like structures (Brown, 1980). A further phase of open folding occurred in the Devonian which was followed by block faulting and granite emplacement.

The dominant regional structure within E.L. 53/70 is the Huskisson Syncline. This is reflected by steeply dipping Oonah and Success Creek successions. It has been suggested that the Success Creek Group sediments have east facings within the Licence area (Brown, 1980).

## 6. EXPLORATION CONCEPTS

### 6.1 Alluvial Cassiterite

Alluvial tin workings occur to the south and south west of the Stanley Reward gossan outcrop. Tin was won from a gravel horizon up to 4 m deep at the confluence of the Livingstone Creek with the Stanley River. These gravels extend along Livingstone Creek for 3 km (to the Livingstone Creek gossan).

Past work by Rio Tinto and Aberfoyle suggests that there may be up to 1 million cubic metres of tin-bearing gravels adjacent to the Stanley Reward and Livingstone Creek gossans. These gravels contain approximately 0.1% Sn (4 lb/yd<sup>3</sup> SnO<sub>2</sub>).

These gravels are not considered commercially viable. However, they may be significant if the gossans are proven to reflect an economic tin/copper deposit.

### 6.2 Lode Tin

Two primary cassiterite deposits are known - the Stanley Reward gossan and the Livingstone Creek gossan. Both were worked by adits. The Stanley Reward was also worked from a 150 m shaft.

Tin grades within the gossans tend to be sporadic with values up to 3.15%. Outcrops of the Stanley Reward and Livingstone Creek gossans are about 10 m wide and appear to extend below the alluvial cover. This is supported by geochemical data.

Both gossans are probably related to skarn type mineralisation associated with the contact of the Meredith Granite and dolomitic units of the Success Creek sediments. Potential exists for large economic skarn deposits containing tin and possibly scheelite.

Replacement type tin deposits (similar to the Renison Mine Lode) also occur in dolomitic Success Creek sediments. To the west of the Stanley Reward gossan and south of the Livingstone Creek is a large area containing dolomitic sediments.

### 6.3 Base Metals

Many of the old silver-lead-zinc mines in and around Zeehan occurred in sheared Oonah Formation rocks. Within E.L. 53/70 old copper and gold mining leases covered the headwaters of the Paradise and Meredith Rivers and Northridge Creek. No information is available on these leases.

Past work within the Licence has outlined rock, stream sediment and soil copper, lead and zinc anomalies. These anomalies have not been explained.

Very little exploration has been conducted in areas of Oonah Formation as these rocks have been considered unprospective, even though economic deposits are known elsewhere.

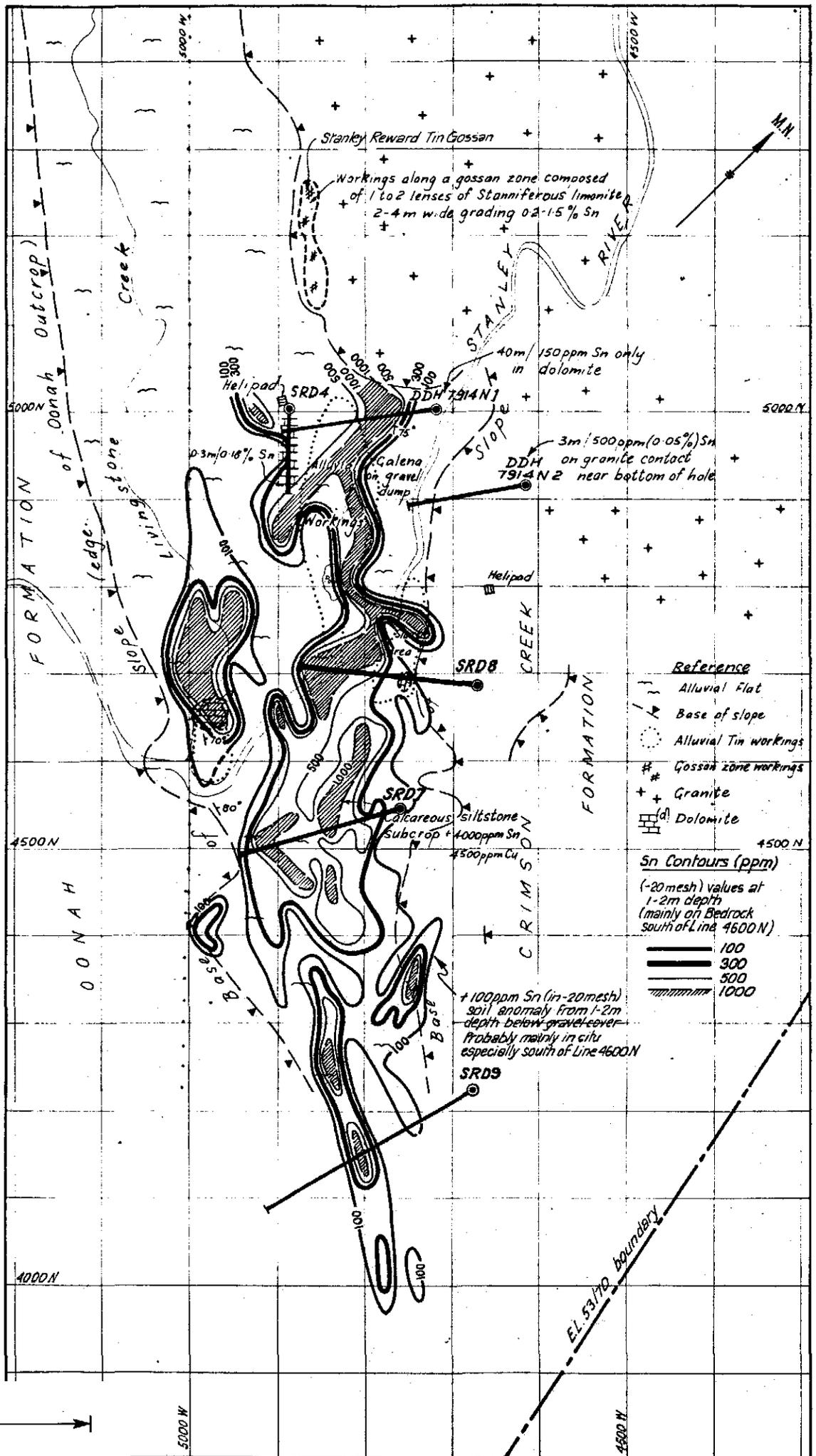
## 7. CURRENT EXPLORATION

### 7.1 Regional

A detailed regional stream geochemistry programme was undertaken in the 1981/82 summer field season.

This programme involved collection of 1.5 kg samples of the active stream sediments from as many of the stream intersections as possible. Each stream was sampled about 15-20 m above the junctions (depending on stream size and flow, stream grades and obvious flood levels). The samples were dried and sieved on 20 and 80 mesh screens. The -20 +80 mesh fractions were then despatched for Sn and W analysis while the -80 mesh fraction was analysed for Cu, Pb, Zn, Ni, Co, Bi and Ag and the -20 mesh combined fraction was analysed for Au.

A heavy mineral sample was also taken from good to excellent active sample traps. In most cases about 40 to 50 kg of sediment (including cobbles and pebbles) were obtained and put through a 6 mm screen. Oversize material was discarded. The -6 mm +2 mm fraction was jigged and the "thrown" centre of supposedly heavy minerals was sampled. The -2 mm fraction (about 3 medium sized [14"] gold pans full) was then "panned" to approximately 500 gm. Both heavy mineral subsamples (panned and -6 +2 mm) were then held until the results of the stream sediment analyses were known. The heavy mineral samples were combined to give composite samples for drainage systems with no anomalous stream sediment samples. Heavy mineral samples from locations with anomalous sediment analyses were not composited. The heavy minerals in the heavy mineral samples (both composite and original) were then carefully concentrated by double "panning". Initially a gold wheel was used but this did not separate the very fine, heavy minerals.



- Reference**
- - - Alluvial Flat
  - ▲- Base of slope
  - Alluvial Tin workings
  - ⊕ Gossan zone workings
  - ⊕ Granite
  - ⊕<sup>(d)</sup> Dolomite
- Sn Contours (ppm)**  
 (-20 mesh) values at 1-2m depth (mainly on Bedrock south of Line 4600N)
- 100
  - 300
  - 500
  - 1000

5 cm

FIG. 2. TIN DISTRIBUTION, STANLEY REWARD, 1978 - E.L. 53/70 TAS.

These heavy mineral concentrates will be weighed, stereoscopically examined and chemically analysed.

## 7.2 Soil Augering

Past soil geochemistry ceased in the vicinity of 5000N (Figure 2) due to the increased thickness of the alluvial boulder cover towards the north. To the south alluvial working for tin and gold have removed much of the boulder cover enabling in situ soil (weathered bedrock) samples to be obtained by hand auger. Attempts to penetrate the boulder cover using hand augers and hand-held mechanical power augers have failed.

Recently a Muskeg type Bombardier with a rear mounted modified Jacro 250 rotary drilling rig became available. This has been used successfully to penetrate boulder horizons elsewhere in Tasmania and was employed to obtain weathered bedrock samples from beneath the boulders in the Livingstone Creek area.

Attempts were made to penetrate the boulder cover on each of the old grid lines (spaced at 100 m intervals) from grid 5000N to 6300N (the line intersecting the Livingstone Creek gossan outcrop). The holes were at 25 m intervals along each line. The boulder horizon thickness at each site was noted. Up to four attempts to penetrate the boulders were made at each location. On penetrating the boulders a further 1 m (at least) was drilled before a sample was taken from the material around the auger bit.

Samples were dried and screened at 20 mesh. The -20 mesh fraction was subsampled for Sn and W analysis. The remaining -20 mesh material was screened at 80 mesh and the -80 mesh material analysed for Cu, Pb, Zn, Bi, Ni, Ag and Co. This method of screening and analysis was to make possible a comparison with the geochemical results from the hand augering in the southern part of the area.

Further comparisons of past and present results was achieved when several holes were drilled on old sample sites along line 4700N.

## 8. RESULTS

### 8.1 Regional

548 stream sediment samples were collected from just upstream of many of the major stream intersections. Special attention was paid to areas of previously noted geochemical and/or airborne electromagnetic anomalies (DRG No. K553-43).

No anomalous cobalt, silver, tungsten or bismuth values were obtained. Only one sample (A120439) showed anomalous lead (85 ppm). Samples upstream and downstream from this anomalous sample point showed no anomalies.

Copper, gold, tin, nickel and zinc all showed marked anomalies (Appendix I). Apart from anomalous values around the Stanley Reward/Livingstone Creek gossans the only anomalous tin values were at isolated sites (A120402 at 220 ppm, A118536 at 210 ppm, A118409 at 55 ppm and A118269 at 95 ppm). The latter anomaly (DRG No. K553-40) was on the contact of the Meredith Granite and Oonah Formation. The other three anomalies were in the southern portion of the Licence where small patches of high level glacials have been noted. None of these anomalies justify follow-up. In the Livingstone Creek/Stanley Reward area, the anomalous tin values were expected. However, several samples need rechecking, e.g. A118554 at 730 ppm was higher than expected while A118553 at 4 ppm was far lower than expected.

Anomalous copper (DRG No. K553-38), zinc (DRG No. K553-39), nickel (DRG No. K553-41) and gold (DRG No. K553-42) appeared to be generally coincident. The main anomalous area is that containing samples A120463-A120483. In this area almost every sample is anomalous with up to 240 ppm Cu, 40 ppb Au, 55 ppm Ni and 140 ppm Zn. A second area of generally anomalous values was that portion of Northridge Creek containing some of the samples between A120430 and

A120496. In this area values of up to 175 ppm Cu, 50 ppb Au, 46 ppm Ni and 95 ppm Zn were obtained.

The Paradise River/Meredith Creek area (previously covered by copper/gold mining leases) showed only isolated anomalous values to 125 ppm Cu, 50 ppb Au and 50 ppm Ni. Very few of the samples were anomalous in more than one element. Past soil geochemistry in this area located a southwest trending anomaly.

The only other anomalous geochemistry was in the northeastern corner of the Licence where copper peaked at 195 ppm and zinc at 140 ppm over the Meredith Granite outcrop where small groups of localised anomalies with no downstream continuity suggest the presence of small mineralised veins.

## 8.2 Soil Augering

116 holes penetrated the boulder cover in the northern portion of the Livingstone Creek valley. 122 soil samples were taken and despatched for analysis. No analyses have been received.

Observations during drilling suggest that in the northern part of the valley (in the vicinity of grid lines 5600N-5700N) the granite (outcropping to the east of the valley) has been faulted in excess of 200 m to the west across the valley. Thus between 5700N and 6300N (the Livingstone Creek Gossan), there is only a very narrow strip in which dolomitic Success Creek Group sediments may occur.

## 9. CONCLUSIONS

The regional stream sediment geochemistry programme showed two major areas of coincident anomalous copper, gold, nickel and zinc. These two areas require further follow-up consisting of soil sampling and magnetometer surveys. Two grids about 2 x 1 km with 100 m spaced lines should cover the anomalous areas. No grid cutting will be required.

Several other anomalies (copper, gold, zinc and/or nickel) do not warrant further follow-up due to the "spotty" nature of the anomalies.

The only tin anomalies are the Stanley Reward/Livingstone Creek area.

Observations on forced auger samples suggest a skarn-type mineralisation is more likely than a replacement style deposit in the northern portion of the valley. Dolomites with sulphides were observed during the augering.

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APPENDIX I

RESULTS OF THE REGIONAL STREAM  
SEDIMENT SAMPLING PROGRAMME - 1981/82





State TASMANIA Project STANLEY RIVER Prospect No. 600 Locality REGIONAL EL  
 CSR Order No. 30589 Date Sampled NOV 81 Sampler P.D.E./A.B./M.C.I  
 Date Despatched 14/12/81 Despatcher P.D. Ellis Despatched per TAA  
 Type of Sample STREAM SEDIMENT - 80 MESH 9 - 20 + 80 MESH FRACTIONS  
 Lab. Name COMLABS

Sample Number Co-ordinates	From	To	Chemical Analyses (ppm or %)							Remarks		
	E/W	N/S	Cu	Pb	Zn	Co	Ni	Bi	Ag	Sn	Au (cb)	
A120320	354840	5380550	22	16	24	4	30	8	<1	<4	15	<5
21	354870	5380560	16	<4	24	<4	12	8	<1	8	20	<5
22	354970	5380520	36	<4	26	4	40	8	<1	6	15	5
23	354960	5380510	10	<4	8	<4	8	8	<1	6	10	<5
24	354980	5380420	14	<4	10	<4	16	4	<1	8	15	<5
25	354970	5380430	16	6	14	<4	16	4	<1	10	15	<5
26	355170	5380400	14	<4	12	<4	18	4	<1	10	<10	<5
27	355155	5380400	8	<4	6	<4	8	8	<1	14	<10	<5
28	354945	5381200	10	<4	6	<4	8	4	<1	4	15	<5
29	355005	5381200	6	<4	6	<4	4	8	<1	<4	15	5
A120330	354900	538740	12	<4	16	<4	12	8	<1	<4	10	<5
31	354920	538690	14	<4	24	4	12	4	<1	<4	15	20
32	354770	5374680	10	<4	16	<4	12	4	<1	<4	10	<5
33	354760	5374690	10	<4	14	<4	8	6	<1	4	10	<5
34	354770	5374780	6	<4	4	<4	4	6	<1	6	<10	<5
35	354760	5374780	12	<4	14	<4	8	4	<1	<4	10	<5
36	355280	5375380	6	<4	6	<4	8	<4	<1	<4	<10	<5
37	355280	5375400	6	<4	6	<4	4	<4	<1	<4	20	<5
38	354295	5380720	12	<4	10	<4	16	<4	<1	4	15	<5
39	354305	5380720	6	<4	4	<4	4	<4	<1	<4	15	<5
A120340	354600	5374120	12	8	14	<4	16	<4	<1	<4	15	<5
41	354610	5374110	8	<4	10	<4	8	<4	<1	4	<10	5
42	354700	5374160	6	<4	6	<4	8	4	<1	4	15	<5
43	354870	5374230	10	<4	20	<4	10	<4	<1	10	10	<5
44	354880	5374220	14	<4	20	4	20	<4	<1	<4	10	<5
45	355020	5374280	8	<4	10	<4	8	<4	<1	8	15	<5
46	355030	5374270	6	<4	6	<4	8	<4	<1	<4	<10	<5
47	353910	5374370	16	4	34	<4	20	<4	<1	<4	<10	<5
48	353890	5474360	8	4	14	<4	12	<4	<1	10	10	<5
49	354040	5474200	6	<4	6	<4	4	<4	<1	14	10	<5
A120350	354060	5474210	10	<4	12	<4	12	<4	<1	<4	15	<5
51	354390	5380250	10	<4	14	<4	8	<4	<1	6	15	<5
52	354380	5380230	6	<4	4	<4	4	<4	<1	4	10	<5
53	354610	5380000	10	<4	8	<4	8	<4	<1	6	10	<5
54	354595	5380000	26	<4	18	<4	40	<4	<1	10	15	<5
55	354120	5380000	22	<4	26	<4	20	<4	<1	4	20	<5
56	354100	5380000	16	<4	8	<4	20	<4	<1	<4	<10	<5
57	353760	5379690	20	<4	20	<4	16	<4	<1	<4	<10	<5
58	353780	5379700	22	<4	12	<4	24	<4	<1	<4	<10	<5
A120358	352720	5381810	8	<4	4	<4	4	<4	<1	10	10	10

Instructions to Analyst: ANALYSE - 20+80 MESH for Bi, Sn, W by XRF-1  
 ANALYSE - 80 MESH for Bi, Co, Cu, Ni, Pb, Zn by AAS-1  
 and for Ag by AAS-3  
 Combine - 90 MESH + -20+80 MESH 9. ANALYSE by Au by AAS-5 using carbon pad

Results to: RESULTS & INVOICE to CSR LTD MINERALS DIVISION GPO Box 493 SYDNEY NSW 2001

DISBURSEMENT Pink - To Chief Geologist Sydney White - To Assay Lab with Order Green - Dispatch with Samples  
 Yellow - Field Copy RESULTS TO CSR LTD 6 WILLIAM ST SYDNEY TAS 7000

## FIELD SAMPLE DESPATCH SHEET

13001

State TASMANIA Project STANLEY RIVER Prospect No. 600 Locality RESEARCH LEASING  
 CSR Order No. 30584 Date Sampled NOV 81 Sampler PDE/AB/ME  
 Date Despatched 14/12/81 Despatcher P. D. ELLIS Despatched per TAA  
 Type of Sample STRONG SEDIMENT - 30 MESH - 20180 MESH FRACTIONS  
 Lab. Name COMLABS

Sample Number Co-ordinates	From	To	Chemical Analyses (ppm or %)					Remarks				
	EW	N/S	Cu	Pb	Zn	Co	Ni	Pi	Ag	Se	W	Au/Ag
A120360	352740	5381800	6	4	2	4	4	4	1	8	15	45
361	352840	5381710	6	4	2	4	4	4	1	4	<10	5
362	352820	5381700	6	4	2	4	4	4	1	4	<10	45
363	555900	5381580	8	4	4	4	4	4	1	4	15	45
364	355890	5381590	6	4	4	4	8	4	1	6	<10	45
365	355810	5381780	12	4	12	4	12	4	1	6	10	45
366	355800	5381780	12	4	10	4	16	4	1	4	10	45
367	355900	5381870	16	4	14	4	16	4	1	4	<10	10
368	355400	5381860	14	4	22	4	16	4	1	4	15	45
369	355730	5382140	12	4	10	4	10	4	1	6	10	45
A120370	355740	5382130	8	4	6	4	8	4	1	10	<10	45
371	355990	5382060	14	4	14	4	8	4	1	4	10	45
372	356010	5382060	6	4	4	4	8	4	1	4	<10	45
373	356200	5381620	6	4	2	4	4	4	1	4	15	45
374	356210	5381600	10	4	10	4	8	4	1	4	<10	45
375	356660	5381410	6	4	4	4	4	4	1	4	15	45
376	356570	5381640	6	4	4	4	4	4	2	14	10	45
377	356580	5381660	8	4	10	4	4	4	1	6	15	45
378	356510	5381810	16	4	14	4	12	4	1	10	10	45
379	356530	5381780	10	4	8	4	8	4	1	4	<10	40
A120380	356370	5381790	10	4	8	4	8	4	1	4	10	45
381	356370	5381770	8	4	8	4	6	4	1	8	10	35
382	355880	5381020	8	4	4	4	12	4	1	4	10	15
383	355880	5381140	8	4	4	4	8	4	1	4	15	5
384	356000	5381080	10	4	8	4	10	4	1	4	10	45
385	356080	5380300	6	4	8	4	6	4	1	6	<10	45
386	356060	5380300	8	4	8	4	10	4	1	10	10	45
387	356100	5380480	4	4	2	4	4	4	1	4	25	45
388	356080	5380500	6	4	8	4	10	4	1	6	10	10
389	357710	5381400	6	4	2	4	4	4	1	12	<10	45
A120390	357660	5381400	22	16	16	4	16	4	1	6	10	10
391	355090	5376370	10	4	8	4	10	4	1	8	15	35
392	355020	5376370	8	4	4	4	10	4	1	4	<10	25
393	355090	5376420	6	4	2	4	4	4	1	4	15	35
394	355250	5376230	8	4	4	4	12	4	1	14	15	45
395	355070	5376480	6	4	2	4	6	4	1	4	<10	45
396	355080	5376480	4	4	2	4	4	4	1	10	10	45
397	355370	5376330	6	4	2	4	4	4	1	4	15	45
398	355380	5376320	4	4	2	4	4	4	1	4	10	10
A120399	355480	5376200	8	4	6	4	6	4	1	6	15	5

Instructions to Analyst: See Field Sample Despatch Sheet No 10300

Results to:

DISBURSEMENT Pink - To Chief Geologist Sydney White - To Assay Lab with Order Green - Despatch with Samples  
 Yellow - Field Copy



# FIELD SAMPLE DESPATCH SHEET

13002

State TASMANIA Project STANLEY RIVER Prospect No. 600 Locality ...  
 CSR Order No. 30584 Date Sampled NOV 81 Sampler PDE/AB/MC  
 Date Despatched 14/12/81 Despatcher P.D. Ellis Despatched per TAA  
 Type of Sample STREAM SEDIMENT -20 + 80 MESH + - 80 MESH FRACTIONS  
 Lab. Name COALS

Sample Number Co-ordinates	From		To		Chemical Analyses (ppm on dwt)							Remarks	Au (ppb)
	E/W	N/S	Ca	Pb	Zn	Co	Ni	Bi	Ag	Sn			
A120400	355440	5376190	10	<4	10	<4	8	<4	<1	<4	15	<5	
401	357130	5380980	6	<4	4	<4	<4	<4	<1	12	10	<5	
402	357140	5380980	14	<4	4	<4	4	<4	<1	220	<10	<5	
403	357160	5381200	8	<4	4	<4	6	<4	<1	4	15	<5	
404	357150	5381220	20	6	12	<4	20	<4	<1	<4	10	<5	
405	356960	5381100	10	<4	8	<4	6	<4	<1	<4	<10	<5	
406	356960	5381110	10	4	8	<4	6	<4	<1	<4	10	<5	
407	356720	5381060	10	<4	10	<4	8	<4	<1	14	10	<5	
408	356140	5374210	12	10	40	12	16	<4	<1	<4	<10	<5	
409	356180	5374200	8	8	12	<4	4	<4	<1	44	<10	<5	
A120410	356580	5374220	14	12	12	<4	12	<4	<1	<4	<10	<5	
411	356590	5374320	24	12	24	<4	12	<4	<1	4	10	<5	
412	356600	5374770	22	14	28	<4	20	<4	<1	<4	10	<5	
413	356480	5376940	14	6	26	<4	8	<4	<1	4	10	<5	
414	356650	5375095	12	6	14	<4	8	<4	<1	<4	20	10	
415	356950	5375180	10	6	14	<4	4	<4	<1	4	10	<5	
416	356950	5375200	8	8	8	<4	6	<4	<1	6	10	<5	
417	355900	5376030	4	<4	4	<4	<4	<4	<1	<4	10	<5	
418	355910	5376030	4	<4	4	<4	<4	<4	<1	<4	15	<5	
419	355940	5375950	6	<4	10	<4	4	<4	<1	8	15	15	
A120420	356130	5375910	6	<4	6	<4	8	<4	<1	<4	<10	<5	
421	356140	5375890	4	<4	6	<4	<4	<4	<1	<4	10	<5	
422	356410	5375940	10	8	22	<4	12	<4	<1	4	10	5	
423	356400	5375930	8	<4	8	<4	4	<4	<1	8	<10	<5	
424	357000	5375870	6	<4	4	<4	<4	<4	<1	<4	10	<5	
425	356710	5375710	4	<4	6	<4	<4	<4	<1	6	10	<5	
426	354620	5375570	16	<4	16	<4	8	<4	<1	<4	15	<5	
427	354620	5375560	6	<4	6	<4	<4	<4	<1	<4	10	<5	
428	354150	5378380	24	<4	16	<4	14	<4	<1	<4	<10	<5	
429	354150	5378360	18	<4	18	<4	8	<4	<1	4	10	<5	
A120430	354070	5378840	135	8	80	4	8	<4	<1	8	10	5	
431	354060	5378850	175	4	60	4	40	<4	<1	<4	<10	<5	
432	354110	5379020	80	<4	36	<4	20	<4	<1	6	10	<5	
433	354095	5379030	36	<4	19	<4	20	<4	<1	6	<10	5	
434	352190	5379330	145	<4	85	4	40	<4	<1	<4	20	<5	
A120435	354180	5379340	38	<4	22	<4	18	<4	<1	<4	10	<5	
A120448	354110	5379290	110	6	65	<4	20	<4	<1	<4	10	<5	
A120450	355320	5376040	46	6	30	<4	24	<4	<1	6	10	<5	
A120451	355300	5376050	85	<4	50	<4	16	<4	<1	12	10	<5	
A120452	355430	5374860	10	<4	6	<4	4	<4	<1	12	15	5	

Instructions to Analyst: See Field Sample Despatch Sheet No 10300

Results to:

# FIELD SAMPLE DESPATCH SHEET

13003

State TASMANIA Project STANLEY ROCK Prospect No. 600 Locality AL... L 53/70  
 CSR Order No. 30584 Date Sampled NOV 81 Sampler PDE/MC/MP  
 Date Despatched 12/12/81 Despatcher P D Ellis Despatched per TAA  
 Type of Sample STREAM SEDIMENT - -20+80 MESH \* - 80 MESH FRACTIONS  
 Lab. Name COMLABS

Sample Number Co-ordinates	From	To	Chemical Analyses (ppm $\mu\text{g/g}$ )							Remarks		
	E/W	N/S	Cu	Pb	Zn	Co	Ni	Bi	Ag	Sn	W	A/W (ppm)
A120453	355417	5374580	10	4	8	4	4	4	4	4	4	25
A120454	355390	5374970	16	4	12	4	10	4	4	4	20	25
A120456	355780	5374600	18	4	16	4	8	4	4	12	10	25
A120457	355900	5374720	32	8	30	4	16	4	4	10	10	25
A120458	356060	5375120	80	8	65	4	20	4	4	4	4	25
A120459	356010	5375170	28	6	26	4	16	4	4	4	2	25
A120462	355570	5375000	48	4	38	4	12	4	4	4	15	25
A120476	355740	5379150	30	4	18	4	12	4	4	10	10	25
A120480	355910	5379050	44	4	26	4	12	4	4	6	4	25
A120482	355940	5374780	40	4	22	4	18	4	4	4	4	25
A120484	353140	5376640	42	4	28	4	8	4	4	10	10	25
A120486	353460	5376680	24	4	16	4	6	4	4	4	4	25
A120487	353460	5376710	16	4	8	4	14	4	4	4	15	30
A120490	353380	5377140	10	4	6	4	6	4	4	4	4	10
A120492	353340	5377410	22	4	24	4	20	4	4	4	10	25
A120493	353280	5377470	12	4	8	4	8	4	4	6	4	25

Instructions to Analyst: See Field Sample Despatch Sheet No 10300



# FIELD SAMPLE DESPATCH SHEET

13004

State TASMANIA Project STANLEY RIVER Prospect No. 603 Locality LAUNCESTON  
 CSR Order No. 30593 Date Sampled NOV 81 Sampler PDE/AB/MC  
 Date Despatched 29/12/81 Despatcher P.D. ELLIS Despatched per TAA  
 Type of Sample STREAM SEDIMENT - 80 mesh & -20+80 MESH FRACTIONS  
 Lab. Name COMLAB

Sample Number Co-ordinates	From E/W	To N/S	Chemical Analyses (ppm or %)							Remarks	Au (ppb)	
			Cu	Pb	Zn	Co	Ni	Bi	Ag			Sn
A118260	352910	5382290	16	8	4	4	14	4	4	14	<10	<5
261	352795	5382290	28	4	18	4	18	4	4	4	<10	20
262	352880	5386530	10	4	4	4	6	4	4	4	10	5
263	352995	5386520	44	8	30	4	22	4	4	22	40	<5
264	353090	5386520	14	4	4	4	16	4	4	4	<10	10
265	353380	5386360	10	4	2	4	6	4	4	4	10	40
266	353360	5386360	60	4	38	6	38	4	4	28	10	<5
267	353190	5386000	8	6	4	4	4	4	4	6	10	<5
268	353140	5385960	12	4	6	4	14	4	4	22	10	<5
269	353160	5385950	10	4	4	4	10	4	4	25	20	<5
A118270	353760	5385420	16	4	8	4	14	4	4	6	10	30
271	353770	5385410	24	4	12	4	20	4	4	8	<10	50
272	353720	5385240	10	4	4	4	10	4	4	6	<10	<5
273	353730	5385230	12	4	4	4	12	4	4	6	<10	30
274	353730	5385200	8	4	4	4	8	4	4	6	<10	<5
A118275	353710	5385180	14	4	10	4	14	4	4	6	15	20
A118277	353540	5382400	12	4	2	4	16	4	4	6	10	10
278	353540	5382370	16	4	4	4	16	4	4	6	<10	<5
279	353510	5382710	38	4	24	6	26	4	4	4	<10	5
A118280	353495	5381710	22	4	10	4	16	4	4	24	40	<5
281	353440	5382810	14	4	2	4	12	4	4	4	10	<5
282	353470	5382800	55	4	30	6	28	4	4	4	<10	20
283	353380	5382760	10	4	2	4	8	4	4	4	<10	10
284	353390	5382610	16	4	4	4	14	4	4	6	<10	<5
285	353420	5382620	10	4	4	4	8	4	4	4	<10	<5
286	353470	5382490	10	4	2	4	10	4	4	4	<10	<5
287	353470	5382470	12	4	4	4	12	4	4	4	<10	<5
288	354420	5382290	34	4	22	4	18	4	4	4	<10	10
289	354410	5382260	28	4	14	4	18	4	4	4	40	<5
A118290	354430	5382740	16	4	4	4	14	4	4	6	<10	<5
A118291	354130	5382750	14	4	4	4	10	4	4	4	<10	<5
A118300	353890	5386520	8	4	4	4	6	4	4	4	10	20
301	353830	5386370	12	4	2	4	10	4	4	4	<10	<5
302	353840	5386370	24	4	14	8	20	4	4	26	<10	20
303	353860	5385970	6	4	4	4	8	4	4	6	<10	<5
304	353870	5385970	16	4	6	4	14	4	4	8	<10	10
305	353090	5385090	6	4	4	4	6	4	4	10	10	<5
306	353090	5385110	8	4	4	4	10	4	4	6	10	<5
307	352995	5385110	6	4	4	4	10	4	4	4	10	<5
A118308	353010	5385120	20	4	12	4	24	4	4	10	<10	<5

Instructions to Analyst: ANALYSE 4X1000 MESH FOR Sn AND Bi BY XRF-1  
 ANALYSE -20 MESH FOR Bi, Co, Cu, Ni, Pb, Zn BY AAS-2 (no) and for Ag by AAS-3  
 Coarse -20 MESH & -20+80 MESH ANALYSE FOR Au BY AAS-5 USING RUBBER FOIL

Results to: Results & Invoice by CSIRO MINERALS DIVISION (4/1/82) 22/1/82



CSR Limited Minerals Division

FIELD SAMPLE DESPATCH SHEET

13005

State TASMANIA Project STANLEY RIVER Prospect No. 600 Locality E  
 CSR Order No. 30593 Date Sampled NOV 81 Sampler FSE/AB/MC  
 Date Despatched 29/12/81 Despatched by P.D. ELLIS Despatched per TMA  
 Type of Sample SILICATE MINERAL - QUARTZ + DISSOLVED FRACTIONS  
 Lab. Name COMLABS

Sample Number Co-ordinates	From To		Chemical Analyses (ppm or %)					Remarks				
	E/W	N/S	Cu	Pb	Zn	Co	Ni	Bi	Ag	Sn	W	Au (ppb)
A118 309	352800	5382840	24	44	12	44	16	44	41	4	410	45
A118 310	352870	5382990	16	44	4	44	16	44	1	44	410	45
311	352890	5382990	20	44	10	6	22	44	1	14	410	45
312	352920	5382960	6	44	42	44	8	44	41	4	410	45
313	353430	5382980	6	44	42	44	8	44	41	4	410	45
314	353450	5382980	8	44	42	44	8	44	41	6	410	45
315	354990	5382620	8	44	2	44	8	44	41	4	10	45
316	355000	5382610	10	44	4	44	10	44	4	4	410	45
317	354970	5382820	10	44	4	44	10	44	4	4	410	45
318	354950	5382830	12	44	6	44	16	44	41	6	10	45
118 319	352840	5382990	6	44	42	44	8	44	41	4	410	45
A120 436	354240	5377330	60	8	40	44	32	44	41	4	410	45
437	353890	5377500	40	32	22	44	28	44	41	4	410	45
438	353890	5377510	28	4	14	44	20	44	41	4	410	45
A120 439	353930	5377670	16	85	8	44	16	44	41	4	410	45
440	353840	5377680	130	12	80	8	40	44	41	10	410	45
441	354105	5377650	18	6	12	44	16	44	41	4	10	45
442	354105	5377670	75	8	50	6	32	44	41	4	410	45
443	352055	5377995	60	8	42	6	36	44	41	4	410	45
444	352055	5378085	22	6	18	44	18	44	41	44	410	45
445	354360	5378190	28	44	22	44	22	44	41	6	410	5
446	352360	5378200	24	6	20	44	20	44	41	44	410	45
A120 447	353620	5379280	135	6	80	10	46	44	41	6	410	50
A120 455	355770	5374620	40	8	32	4	23	44	41	4	410	20
A120 460	355470	5375150	29	10	22	44	8	44	41	6	410	45
A120 461	355450	5375150	28	4	20	44	10	44	41	6	10	45
A120 463	355720	5377870	22	44	14	44	10	44	41	44	410	45
464	355730	5377860	16	44	12	44	6	44	41	4	10	45
465	355880	5377970	90	8	55	4	32	44	41	8	10	45
466	355570	5377960	80	6	55	8	36	44	41	4	410	45
467	355620	5378280	48	6	32	44	24	44	41	4	410	45
468	355660	5378290	210	14	120	8	55	44	41	4	410	45
A120 469	355600	5378610	46	44	30	44	22	44	41	4	410	10
A120 470	355620	5378610	40	44	26	44	14	44	41	4	410	30
471	355710	5378730	20	44	12	44	18	44	41	6	410	20
472	355830	5378780	22	44	12	4	20	44	41	4	410	45
473	355520	5377870	70	6	26	4	22	44	41	16	10	40
474	355520	5377860	30	44	24	44	18	44	41	6	410	45
A120 475	355770	5378070	26	4	26	44	14	44	41	4	410	45
A120 477	355780	5378040	240	16	140	8	40	44	41	6	410	45

# FIELD SAMPLE DESPATCH SHEET

13006

State TASMANIA Project STANLEY RIVER Prospect No. 600 Locality Stanley River  
 CSR Order No. 30593 Date Sampled NOV 81 Sampler PDE / AG / MC  
 Date Despatched 29/12/81 Despatcher P.D. ELLIS Despatched per TAA  
 Type of Sample STREAM SEDIMENT - 80 meal or - 20+80 meal FRACTIONS  
 Lab. Name COMLABS

Sample Number Co-ordinates	From	To	Chemical Analyses (ppm or %)					Remarks				
	E/W	N/S	Cu	Pb	Zn	Co	Ni	Bi	Ag	Sn	W	Au (ppb)
A120478	355800	5379000	32	6	22	44	12	4	<1	4	<10	30
A120479	355890	5379070	65	6	44	44	14	4	<1	4	<10	30
A120481	355820	5379280	140	10	75	6	32	8	<1	4	<10	45
A120483	356020	5379310	22	4	16	44	8	8	<1	4	<10	45
A120485	353130	5376670	42	4	26	44	20	8	<1	4	<10	45
A120488	353190	5376980	34	4	26	44	14	4	<1	4	<10	10
A120489	353250	5377090	160	10	95	4	32	4	<1	6	<10	45
A120491	353380	5377160	70	8	48	4	20	4	<1	4	<10	20
A120494	353260	5377440	110	8	70	6	34	4	<1	4	<10	40
A120495	353230	5377440	115	12	75	6	32	4	<1	6	<10	10
A120496	353240	5377400	65	6	44	4	22	4	<1	6	<10	50
A120497	352820	5382330	32	4	24	44	10	4	<1	4	<10	50
A120498	352815	5381520	19	<4	12	44	6	4	<1	4	<10	20
A120499	352825	5381520	55	4	40	44	22	4	<1	4	<10	45
A120500	354030	5386540	140	16	80	4	32	4	1	4	<10	45
A118276	353470	5382400	40	4	20	44	16	4	1	4	10	20

Instructions to Analyst: SEE FIELD SAMPLE DESPATCH SHEET  
NO 1 2009

State TASMANIA Project STANLEY RIVER Prospect No. 600 Locality P. 4. 8001  
 CSR Order No. 30617 Date Sampled DEC 81 Sampler P. DE/MC/AB/JP/JS  
 Date Despatched 2/2/82 Despatcher P. DILLIS Despatched per T.M.  
 Type of Sample STREAM SEDIMENT - 80 MESH 9 - 20 + 80 MESH FRACTIONS  
 Lab. Name COMLABS

Sample Number Co-ordinates	From To		Chemical Analyses (ppm or %)								Remarks	Au (ppb)
	EW	NIS	Cu	Pb	Zn	Ni	Co	Bi	Ag	Sn		
A118251	356225	5374915	24	4	14	16	4	4	4	4	15	45
252	356085	5375195	22	4	16	19	4	4	4	4	10	45
253	356030	5375330	20	8	38	14	4	4	4	4	10	45
254	355985	5375365	19	4	24	16	4	4	4	4	15	45
255	355925	5375390	14	6	16	10	4	4	4	4	15	45
256	355940	5375435	16	4	18	14	4	4	4	4	10	45
257	355780	5375475	16	4	16	12	4	4	4	4	10	45
258	355750	5375520	19	4	12	22	4	4	4	4	10	45
A118259	355755	5375530	26	4	24	32	4	4	4	4	10	45
A118292	354460	5384900	16	4	8	16	4	4	4	6	15	45
293	354440	5384900	16	4	8	16	4	4	4	4	15	45
294	354360	5385000	12	4	4	6	4	4	4	4	10	45
295	354360	5384990	28	4	16	38	4	4	4	6	10	45
296	354190	5385080	20	4	10	36	4	4	4	10	20	45
297	354185	5385070	12	4	6	8	4	4	4	4	10	45
298	354205	5384900	12	4	6	16	4	4	4	8	10	45
A118299	354195	5384900	10	4	4	6	4	4	4	4	20	45
A118320	354020	5385770	14	4	6	16	4	4	4	6	20	45
321	354005	5385770	12	4	2	6	4	4	4	4	10	45
322	354020	5385840	12	4	4	8	4	4	4	4	10	45
323	354085	5385555	16	4	6	26	4	4	4	4	15	45
324	354105	5385555	12	4	6	10	4	4	4	4	15	45
325	354380	5382555	12	4	6	10	4	4	4	4	10	45
326	355190	5382550	14	4	6	6	4	4	4	6	15	45
327	354895	5382910	12	4	4	16	4	4	4	4	15	45
328	354265	5382915	12	4	4	8	4	4	4	4	10	45
329	354270	5382910	12	4	4	14	4	4	4	6	10	45
330	354085	5382970	12	4	6	8	4	4	4	4	15	45
331	354090	5382910	12	4	4	8	4	4	4	6	20	45
332	353915	5382915	12	4	6	6	4	4	4	4	15	45
333	353915	5382905	19	4	22	12	4	4	4	4	15	45
334	356340	5380630	19	4	14	24	6	4	4	4	15	45
335	356345	5380670	16	4	12	26	6	4	4	6	15	45
336	356655	5380700	16	4	6	20	6	4	4	4	15	45
337	356665	5380705	22	4	20	28	6	4	4	4	15	45
338	356475	5381210	16	4	4	12	4	4	4	4	15	45
339	356525	5381040	20	4	14	24	8	4	4	4	10	45
340	354855	5386115	14	4	22	22	4	4	4	4	15	45
341	356865	5386125	16	16	18	24	6	4	4	30	15	45
A118362	353745	5383430	12	4	22	14	4	4	4	4	10	45

Instructions to Analyst: ANALYSE + 80 - 20 MESH FOR Sn, W by KRF-1  
 ANALYSE - 80 MESH for Bi, Co, Cu, Ni, Pb, Zn by AAS-1 and for Ag by AAS-3  
 COMBINE - 80 MESH 9 - 20 + 80 MESH FRACTIONS - ANALYSE for Au by AAS-5 using Carbon  
 rod to 5006

Results to: ROBERT S. INCHICE TO CSR LTD MINERALS DIVISION - 6/PO BOX 83 SYDNEY NSW 2001

DISBURSEMENT Pink - To Chief Geologist Sydney White - To Assay Lab with Order Green - Despatch with Sample  
 Yellow - Field Copy RESULTS TO CSR LTD 6 WILLIAM ST WEST HOBART TAS 7000

# FIELD SAMPLE DESPATCH SHEET

13008

State TAS Project STANLEY RIVER Prospect No. 600 Locality REGIONAL  
 CSR Order No. 20612 Date Sampled DEC 81 / JAN 82 Sampler P.D.C. / A.B./M.C.  
 Date Despatched 2/2/82 Despatcher P.D.C.L.L. Despatched per T.M.  
 Type of Sample STREAM SEDIMENT - 80 9 - 20.80 MESH FRACTIONS  
 Lab. Name CDMLABS

Sample Number Co-ordinates	From	To	Chemical Analyses (ppm or %)								Remarks		Au(ppm)
	EW	N/S	Cu	Pb	Zn	Ni	Co	Bi	Ag	Sr	wt		
A118 343	353740	5383425	12	<4	<2	8	6	<4	<1	22	<10	<5	
344	353665	5383590	12	<4	<2	20	4	<4	<1	12	10	<5	
<del>345</del>	353665	5383600	10	<4	3	16	<4	<4	<1	11	10	<5	
346	353870	5383620	12	<4	2	14	<4	<4	<1	<4	15	<5	
347	353920	5383590	12	<4	<2	16	<4	<4	<1	10	10	<5	
348	353925	5383595	10	<4	<2	12	<4	<4	<1	10	15	<5	
349	354125	5383995	8	<4	<2	10	<4	<4	<1	06	10	<5	
A118 350	352800	5384045	18	4	12	24	<4	<4	<1	106	15	05	
351	352870	5384070	14	<4	<2	14	<4	<4	<1	16	110	<5	
352	352970	5384055	135	<4	34	50	4	<4	<1	60	20	<5	
353	353045	5383945	50	<4	<2	22	<4	<4	<1	16	<10	<5	
354	353040	5383970	24	<4	2	20	<4	<4	<1	<4	20	<5	
355	353350	5383735	80	<4	6	28	<4	<4	<1	76	15	<5	
356	353340	5383730	12	<4	<2	9	<4	<4	<1	<4	10	<5	
357	353510	5383725	18	<4	<2	12	6	<4	<1	<4	10	<5	
358	353505	5383720	40	<4	4	42	6	<4	<1	4	10	<5	
359	354760	5382450	12	<4	<2	14	6	<4	<1	<4	10	<5	
360	354750	5382450	18	<4	8	16	6	<4	<1	8	<10	<5	
361	354845	5383085	28	<4	10	26	4	<4	<1	<4	10	<5	
362	354845	5383095	16	<4	6	14	6	<4	<1	<4	10	<5	
363	354725	5383125	12	<4	2	12	<4	<4	<1	<4	10	<5	
364	354720	5383125	60	<4	48	38	6	<4	<1	<4	10	<5	
365	354515	5383280	12	<4	6	8	<4	<4	<1	6	20	<5	
366	355050	5383530	20	<4	16	24	6	<4	<1	<4	15	<5	
367	355050	5383520	14	<4	8	16	<4	<4	<1	16	15	<5	
368	354955	5383510	48	4	34	60	8	<4	<1	<4	<10	<5	
369	354570	5383300	24	<4	14	24	6	<4	<1	6	25	<5	
370	354385	5383465	14	<4	4	28	6	<4	<1	<4	10	<5	
371	354390	5383470	10	<4	2	12	<4	<4	<1	18	20	<5	
372	354230	5383580	10	<4	2	10	<4	<4	<1	4	10	<5	
373	354235	5383680	10	<4	2	14	6	<4	<1	6	15	<5	
374	354225	5383680	8	<4	<2	10	<4	<4	<1	4	25	<5	
375	353575	5384485	8	<4	<2	10	<4	<4	<1	14	20	<5	
376	353570	5384495	6	<4	<2	8	<4	<4	<1	<4	20	<5	
377	353475	5384395	34	4	30	44	6	<4	<1	4	20	<5	
378	353465	5384395	8	<4	4	8	<4	<4	<1	4	15	<5	
379	353215	5384205	8	<4	<2	16	<4	<4	<1	<4	10	<5	
380	353210	5384205	16	<4	10	24	6	<4	<1	4	15	<5	
381	353215	5384165	10	<4	4	26	6	<4	<1	<4	25	<5	
A118 381 A118 381	358020	5380270	12	12	36	16	6	<4	<1	<4	<10	<5	

Instructions to Analyst: SEE FIELD SAMPLE DESPATCH SHEET NO 13007

Results to:

ISBURSEMENT Pink - To Chief Geologist Sydney White - To Assay Lab with Order Green - Despatch with Samples  
 Yellow - Field Copy

# FIELD SAMPLE DESPATCH SHEET

13009

State TAS Project STANLEY RIVER Prospect No. 600 Locality REGIONAL  
 CSR Order No. 30612 Date Sampled JUN 82 Sampler P.D.E/MC/AB  
 Date Despatched 2/2/82 Despatcher P.D. ELLIS Despatched per TA A  
 Type of Sample STREAM SED -20+80 & -80 # FRACTIONS  
 Lab. Name COMLABS

Sample Number Co-ordinates	From		To		Chemical Analyses (ppm or %)							
	E/W	N/S	Cu	Pb	Zn	Ni	Co	Bi	Ag	Sn	Remarks	Au (ppb)
A1184 01	354440	5374435	8	4	6	10	6	44	4	44	15	45
402	354470	5374715	8	8	14	8	44	44	4	44	10	45
403	354465	5374720	14	8	22	8	44	44	4	44	15	45
404	354400	5374450	24	12	18	26	6	44	4	10	10	45
405	355445	5375470	12	4	4	18	6	44	4	44	20	45
406	355445	5375480	8	44	42	6	44	44	4	44	20	45
407	356030	5374270	8	4	4	16	4	44	4	44	10	45
408	356035	5374275	8	8	16	16	4	44	4	44	10	45
409	356640	5374275	18	12	30	28	44	44	4	55	20	45
410	357130	5374285	8	4	4	10	44	44	4	8	10	45
411	357120	5374240	8	4	10	12	4	44	4	44	10	45
412	356655	5374360	18	4	24	24	6	44	4	6	15	45
413	356655	5374800	10	4	4	4	44	44	4	44	15	45
414	356450	5375765	8	44	2	44	44	44	4	44	15	45
415	356465	5375760	8	44	6	8	44	44	4	44	10	45
416	356635	5375855	10	44	8	10	44	44	4	6	10	45
417	356635	5375865	14	44	10	16	44	44	4	6	15	45
418	356935	5376130	10	44	4	12	44	44	4	6	10	45
A118 419	357000	5376285	8	44	4	6	44	44	4	8	15	45

Instructions to Analyst: SEE SAMPLE DESPATCH SHEET 13007

# FIELD SAMPLE DESPATCH SHEET

13010

State TASMANIA Project STANLEY RIVER Prospect No. 600 Locality REGIONAL  
 CSR Order No. 30620 Date Sampled JAN/FEB 82 Sampler PDE/MC/AB  
 Date Despatched 15/2/82 Despatcher PDEllis Despatched per TAA  
 Type of Sample STREAM SEDIMENT -20+80 9-80 MESH FRACTIONS  
 Lab. Name COMLABS

Sample Number Co-ordinates	From To		Chemical Analyses (ppm)					Remarks			Ag(ppb)	
	E/W	N/S	Cu	Pb	Zn	Ni	Co	Bi	Ag	Sn		W
A118352	353575	5374410	12	4	6	8	24	24	21	4	<10	<5
383	353565	5374410	12	4	8	6	24	24	21	4	10	<5
384	353650	5374255	19	12	38	16	4	24	21	6	15	<5
385	353650	5374265	16	4	12	16	24	24	21	4	<10	<5
386	353250	5374675	7	4	3	24	24	24	21	4	10	<5
387	353250	5374680	10	4	4	10	24	24	21	6	10	<5
388	352850	5374725	10	4	10	6	24	24	21	12	<10	5
389	352790	5374960	32	4	16	20	24	24	21	6	<10	<5
390	353065	5375310	20	4	10	14	24	24	21	8	<10	5
391	353055	5375310	18	4	9	16	24	24	21	6	10	20
392	353085	5375225	14	4	9	16	24	24	21	4	10	20
393	353075	5375225	22	4	10	22	24	24	21	4	15	<5
394	353665	5375285	10	4	6	10	24	24	21	12	10	<5
395	353660	5375290	10	4	7	6	24	24	21	4	10	30
396	353425	5375255	12	4	5	10	24	24	21	6	<10	<5
397	353490	5375235	10	4	5	10	24	24	21	4	10	<5
398	353055	5375535	40	8	28	22	24	24	21	4	10	10
A118399	353065	5375535	18	4	8	20	24	24	21	4	<10	<5
A118400	357075	5376600	20	8	14	14	24	24	21	4	10	<5
A118420	357075	5376605	32	6	22	20	24	24	21	4	<10	<5
421	357185	5376760	32	4	26	16	24	24	21	4	<10	<5
422	357235	5376920	32	6	20	12	24	24	21	4	10	<5
423	357225	5376925	26	4	16	10	24	24	21	4	15	85
424	357250	5377280	14	4	7	6	24	24	21	4	10	10
425	357215	5377115	14	4	9	4	24	24	21	4	<10	<5
426	357225	5377120	65	8	40	16	24	24	21	4	10	<5
427	357275	5377030	26	6	16	14	24	24	21	6	10	<5
428	356970	5376335	26	4	16	16	24	24	21	4	10	<5
429	356915	5376430	38	10	32	20	24	24	21	4	10	<5
430	356730	5376565	50	12	34	16	24	24	21	4	<10	<5
431	356885	5376765	32	6	20	8	24	24	21	8	10	10
432	356780	5376905	20	6	14	6	24	24	21	4	<10	<5
433	356790	5376905	38	10	26	14	24	24	21	4	<10	<5
434	356325	5376760	46	14	26	18	24	24	21	4	<10	<5
435	356425	5377190	34	8	24	10	24	24	21	4	10	<5
436	356180	5377175	26	6	22	10	24	24	21	4	<10	<5
437	356175	5377170	85	12	65	26	24	24	21	6	<10	<5
438	356070	5377085	18	8	12	12	24	24	21	4	<10	<5
439	356355	5377765	48	4	30	16	24	24	21	4	10	<5
A118440	356465	5377790	26	4	16	12	24	24	21	4	10	<5

Instructions to Analyst: ANALYSE +80-20 MESH for Sn, W by XRF-1 ANALYSE -80 MESH for Bi, Co, Ni  
 Cu, Pb, Zn by AAS-1 and for Ag by AAS-3 COMBINE -80 MESH + -20+80 MESH fractions  
 and Analyse for Au by AAS-5 using carbon rod to SPAB

RESULTS + INVOICE to CSR LTD MINERALS DIV GPO BOX 483 SYDNEY, NSW, 2001

Results to: RESULTS TO CSR LTD 6 WILLIAM ST WEST HOBART TAS 7000



FIELD SAMPLE DESPATCH SHEET

13012

State TASMANIA Project STANLEY RIVER Prospect No. 600 Locality REGIONAL  
 CSR Order No. 30420 Date Sampled JAN/FEB 82 Sampler PDE/MC/118  
 Date Despatched 15/12/82 Despatcher P.D. Ellis Despatched per TAA  
 Type of Sample STRATUM SEDIMENT -20+80 T-80 MESH FRACTIONS  
 Lab. Name COMLABS

Sample Number Co-ordinates	From To		Chemical Analyses (ppm or %)					Remarks			Au(ppb)	
	EW	N/S	Cu	Pb	Zn	Ni	Co	Bi	Ag	Sn		W
A118481	356605	5379310	14	<4	8	10	<4	<4	<1	<4	10	10
482	356605	5379320	30	<4	16	8	<4	<4	<1	<4	10	25
483	356595	5378885	30	<4	26	6	<4	<4	<1	4	10	25
484	356590	5378880	24	4	24	8	<4	<4	<1	6	10	25
485	356585	5378065	26	4	18	6	<4	<4	<1	8	10	25
486	356485	5378135	8	4	4	10	<4	<4	<1	<4	10	10
487	356475	5378210	8	<4	4	24	<4	<4	<1	<4	10	5
488	356480	5378580	12	8	12	10	<4	<4	<1	<4	10	10
489	356860	5378560	12	4	5	14	<4	<4	<1	<4	10	30
490	357120	5378620	8	<4	3	10	<4	<4	<1	<4	10	10
491	357155	5378600	10	8	6	12	<4	<4	<1	<4	15	10
492	357170	5378760	7	4	3	10	<4	<4	<1	<4	10	10
493	356985	5378185	8	<4	2	10	<4	<4	<1	<4	10	25
494	354060	5378995	14	4	9	28	<4	<4	<1	6	15	25
495	354055	5378990	7	<4	5	8	<4	<4	<1	<4	10	25
496	354195	5375225	8	4	7	14	<4	<4	<1	<4	10	25
497	354185	5375230	10	4	7	10	<4	<4	<1	<4	10	25
498	354240	5375485	9	<4	3	10	<4	<4	<1	2	10	25
A118499	354245	5375485	7	<4	4	10	<4	<4	<1	4	15	10
A118350	352800	5384045	18	4	12	24	<4	<4	<1	6	15	5
A118345	353650	5383595	10	<4	3	16	<4	<4	<1	12	10	25
A118500	354310	5375805	7	<4	8	14	<4	<4	<1	<4	10	25
501	354305	5375805	14	<4	8	18	<4	<4	<1	6	10	25
502	354715	5376000	5	<4	4	10	<4	<4	<1	<4	10	25
503	354710	5376000	6	4	2	10	<4	<4	<1	<4	10	25
504	354725	5375980	4	<4	5	4	<4	<4	<1	<4	15	25
505	354435	5375330	10	<4	12	16	<4	<4	<1	6	10	25
506	354435	5375320	8	<4	5	10	<4	<4	<1	<4	15	25
507	354675	5375205	6	<4	5	8	<4	<4	<1	6	15	25
508	354675	5375195	5	<4	4	8	<4	<4	<1	<4	10	25
509	354685	5375485	6	<4	7	8	<4	<4	<1	6	10	25
510	354685	5375495	8	<4	6	12	<4	<4	<1	6	10	25
511	354680	5375500	9	<4	8	12	<4	<4	<1	<4	10	25
512	354395	5376650	4	<4	2	24	<4	<4	<1	<4	15	5
513	354405	5376645	5	<4	4	4	<4	<4	<1	6	15	25
514	354385	5376340	9	<4	5	16	<4	<4	<1	<4	10	25
515	354395	5376340	4	<4	3	6	<4	<4	<1	4	10	25
516	355345	5377480	12	<4	6	14	<4	<4	<1	<4	15	25
517	355395	5377470	14	4	9	18	<4	<4	<1	<4	15	25
518	355435	5377475	6	4	5	8	<4	<4	<1	10	10	25

Instructions to Analyst: SEE SAMPLE DESPATCH SHEET NO 13010

State TASMANIA Project STANLEY RIVER Prospect No. 600 Locality REGIONAL  
 CSR Order No. 30620 Date Sampled JAN/FEB 82 Sampler PRL/MC/LAR  
 Date Despatched 15/2/82 Dispatcher P.P. ELLIS Despatched per TNA  
 Type of Sample STREAM SEDIMENT - -20 + 80 & -90 MESH FRACTIONS  
 Lab. Name CCMLTHS

Sn -20#

Sample Number Co-ordinates	From E/W	To N/S	Chemical Analyses (ppm or %)							Bi	Ag	Sn	Remarks	Au (ppb)
			Cu	Pb	Zn	Ni	Co	Fe	Mn					
A118519	354985	5377115	10	<4	4	14	<4	<4	<4	<4	<10	5		
520	355120	5377090	10	4	<2	20	4	<4	<4	10	20	<5		
521	355400	5376960	9	<4	<2	10	<4	<4	<4	6	10	<5		
522	355520	5376980	7	<4	3	12	<4	<4	<4	4	15	<5		
523	355525	5377085	9	<4	4	12	<4	<4	<4	4	10	10		
524	355725	5376980	7	<4	4	12	<4	<4	<4	6	15	<5		
525	355730	5376965	6	<4	2	8	<4	<4	<4	4	10	<5		
526	355935	5377105	10	8	10	18	4	<4	<4	4	10	<5		
527	355930	5377100	9	<4	4	14	<4	<4	<4	6	10	<5		
528	355785	5376825	7	<4	6	8	<4	<4	<4	4	<10	<5		
529	355765	5376825	5	<4	2	8	<4	<4	<4	8	<10	<5		
530	354810	5379415	9	<4	3	14	<4	<4	<4	4	<10	<5		
531	354810	5379425	8	<4	3	10	4	<4	<4	4	10	<5		
532	353220	5375845	4	<4	2	6	<4	<4	<4	4	<10	<5		
533	353275	5375950	14	<4	4	20	4	<4	<4	4	<10	10		
534	353280	5375945	10	<4	5	14	<4	<4	<4	4	<10	10		
535	353510	5375760	10	<4	4	14	<4	<4	<4	4	<10	<5		
536	353515	5375755	10	<4	4	10	<4	<4	<4	318	10	20		
537	353670	5376350	10	4	4	14	<4	<4	<4	6	15	<5		
538	353675	5376345	9	4	4	12	<4	<4	<4	4	<10	<5		
539	353470	5376040	10	<4	3	12	<4	<4	<4	14	<10	<5		
540	353470	5376050	6	<4	5	12	<4	<4	<4	4	<10	<5		
541	353185	5376090	6	<4	3	8	<4	<4	<4	4	<10	<5		
542	353190	5376100	6	<4	2	10	<4	<4	<4	14	<10	<5		
543	353115	5376335	12	<4	5	18	4	<4	<4	4	10	<5		
544	353115	5376345	8	<4	2	14	<4	<4	<4	4	10	<5		
545	357135	5382955	6	6	5	8	<4	<4	<4	36	10	<5		
546	357120	5382955	19	6	12	26	<4	<4	<4	22	10	<5		
547	357260	5382795	10	4	4	19	<4	<4	<4	1000	15	<5		
548	357250	5382785	4	<4	4	6	<4	<4	<4	22	15	<5		
549	357635	5381845	6	<4	5	6	<4	<4	<4	14	10	<5		
550	357635	5381840	10	4	6	6	<4	<4	<4	4	<10	<5		
551	357690	5381795	10	6	6	6	<4	<4	<4	220	10	<5		
552	358015	5381680	12	10	8	14	<4	<4	<4	16	20	<5		
553	357970	5381715	14	6	9	14	<4	<4	<4	4	10	10		
554	358080	5381965	12	12	20	12	4	<4	<4	730	35	<5		
555	358075	5381980	46	18	36	14	<4	16	<4	950	65	<5		
556	358180	5382690	12	6	16	14	<4	<4	<4	4	10	10		

870

105

12

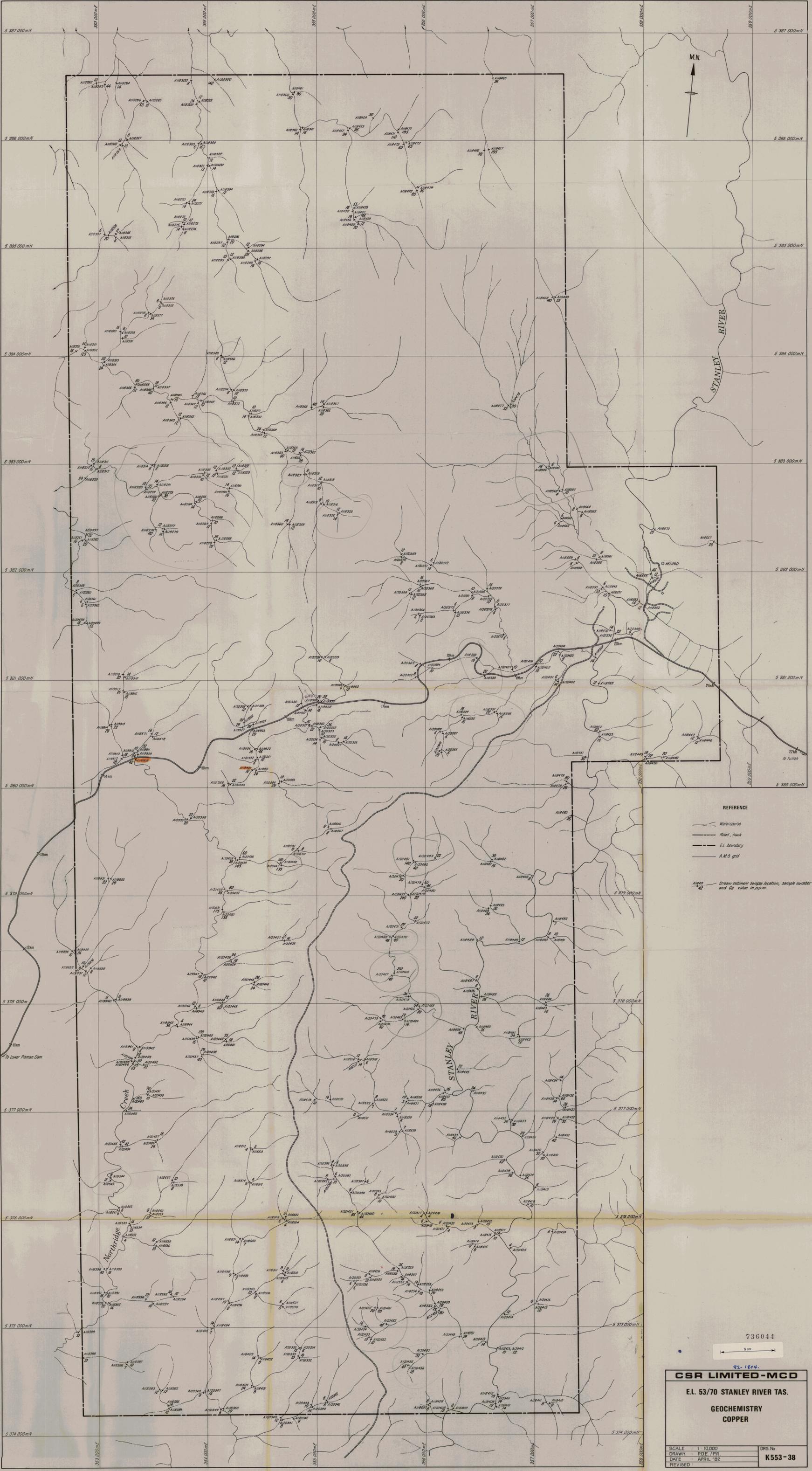
1200

1250

Instructions to Analyst: SEE SAMPLE DISPATCH SHEET NO. 13010

Results to:  
 DISBURSEMENT Pink - To Chief Geologist Sydney White - To Assay Lab with Order Green - Despatch with Samples  
 Yellow - Field Copy





STANLEY RIVER

Northridge Creek

736044  
 92-1804  
**CSR LIMITED-MCD**

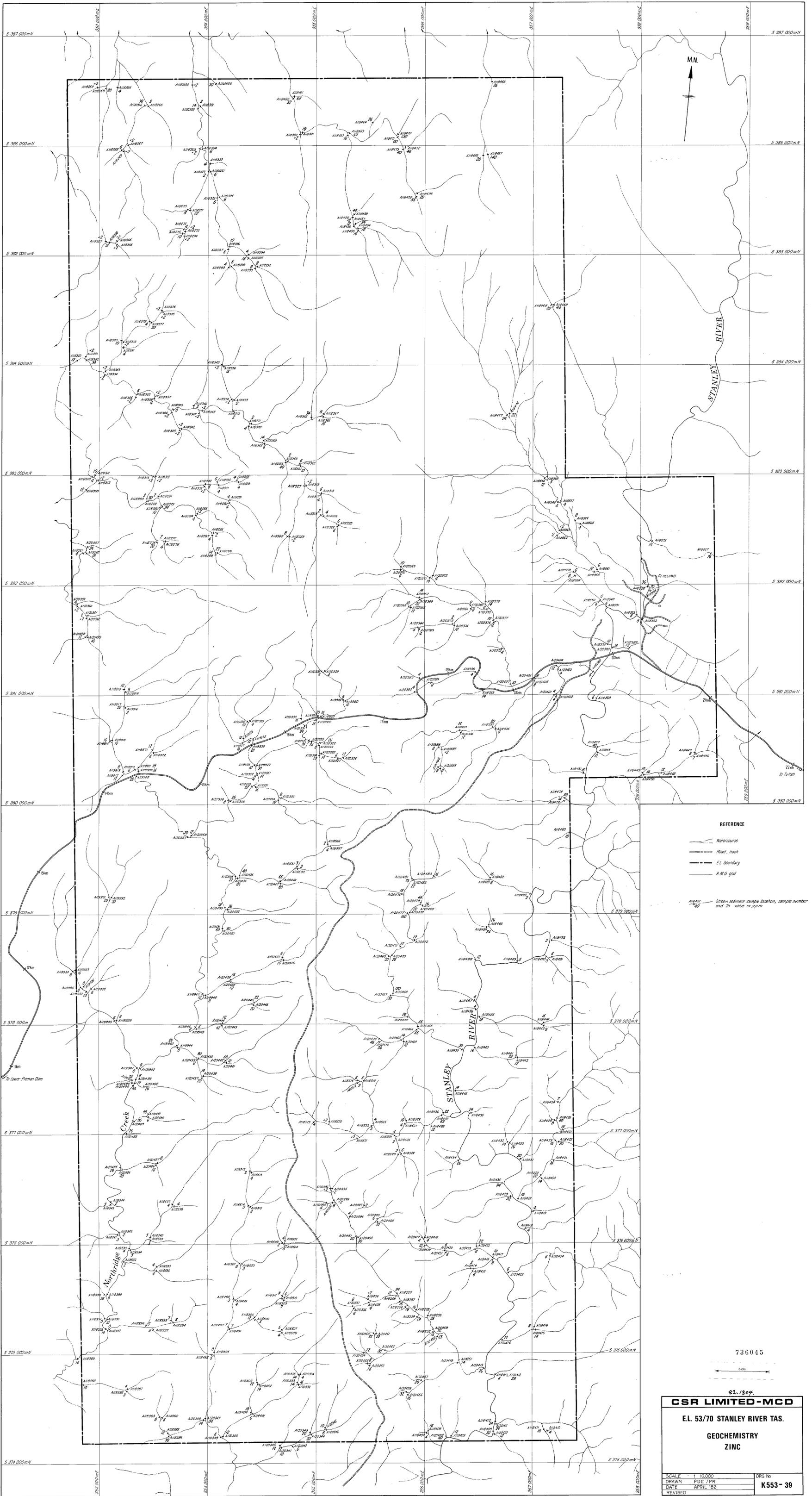
**E.I. 53/70 STANLEY RIVER TAS.**  
**GEOCHEMISTRY**  
**COPPER**

SCALE: 1 : 10,000	DRG No.
DRAWN: PDE / PR	
DATE: APRIL '82	<b>K553-38</b>
REVISED:	

**REFERENCE**

- Watercourse
- Road, track
- - - E.I. boundary
- A.M.G. grid

AIR201 Stream sediment sample location, sample number and Cu value in ppm.



M.N.

REFERENCE

-  Watercourse
-  Road, track
-  EL boundary
-  A.M.G. grid
-  Stream sediment sample location, sample number and Zn value in ppm

736045

5 cm

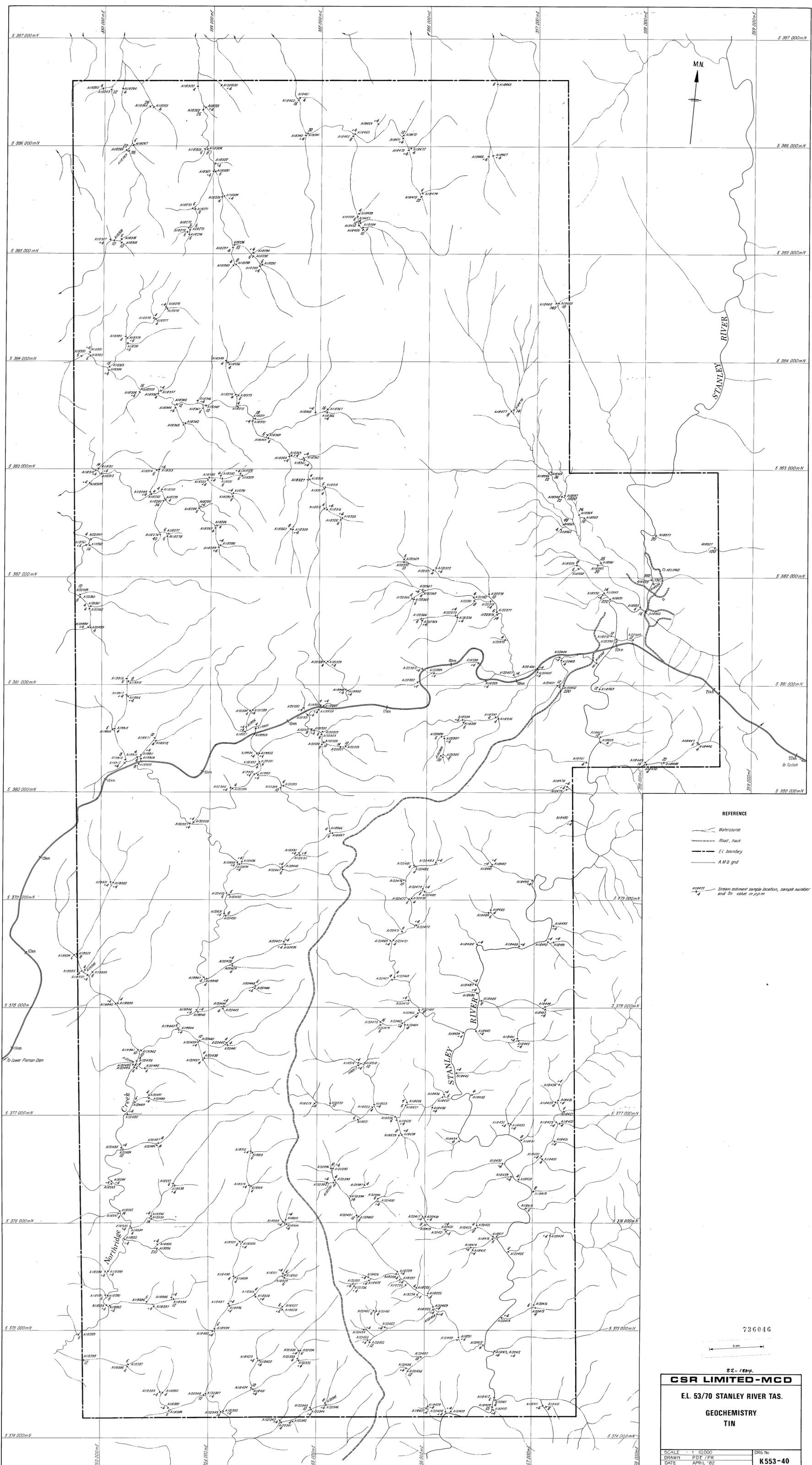
82-1804

**CSR LIMITED-MCD**

**EL. 53/70 STANLEY RIVER TAS.**

**GEOCHEMISTRY  
ZINC**

SCALE	1:10,000	DRG No	
DRAWN	PDE/PR		
DATE	APRIL '82		
REVISED			
		<b>K553-39</b>	



STANLEY RIVER

STANLEY RIVER

- REFERENCE**
- Watercourse
  - Road, track
  - EL boundary
  - A.M.G. grid
  - Stream sediment sample location, sample number and its value in ppm

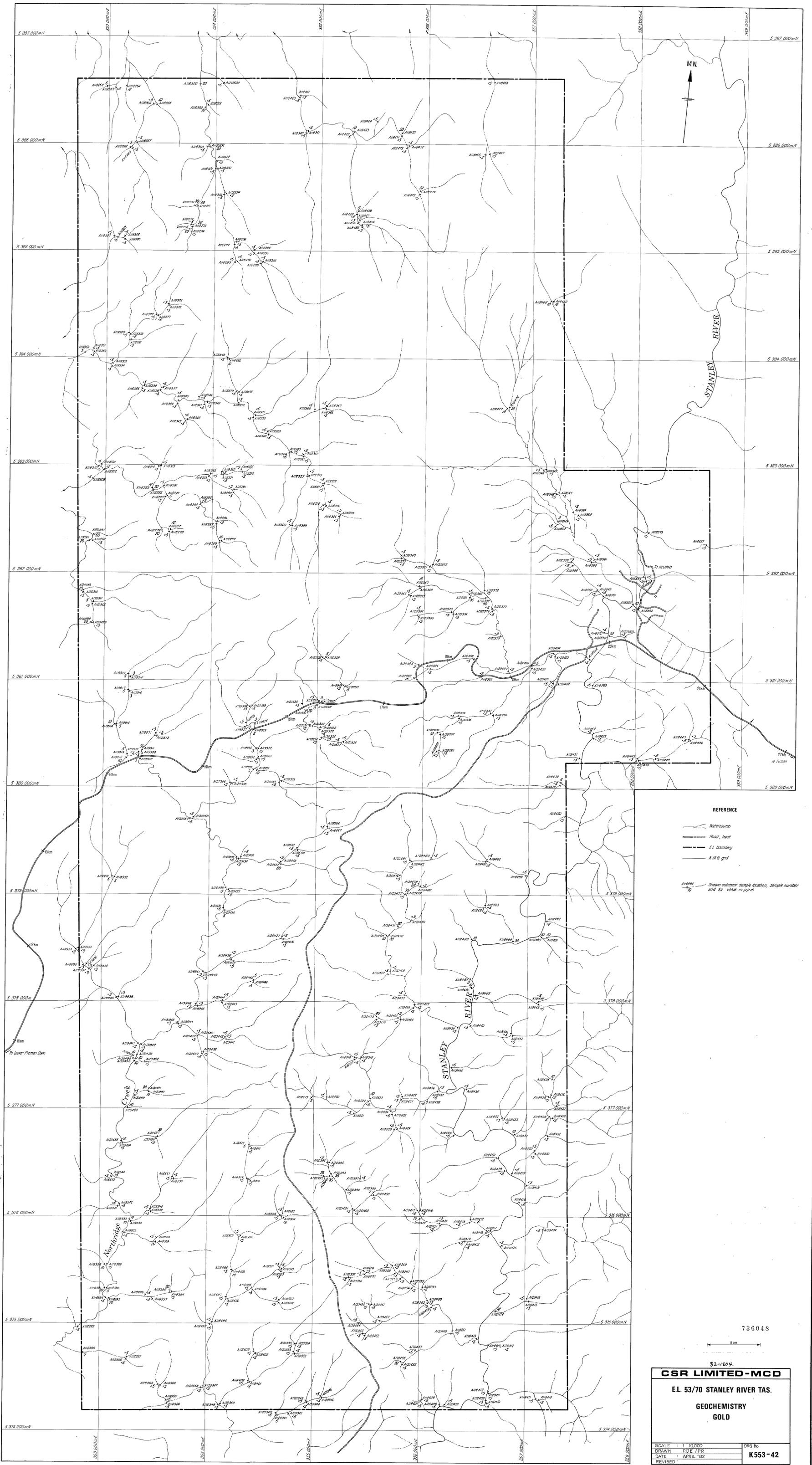
736046



82-1504  
**CSR LIMITED-MCD**  
 E.L. 53/70 STANLEY RIVER TAS.  
 GEOCHEMISTRY  
 TIN

SCALE 1:10,000	DRG No
DRAWN PDE / PR	
DATE APRIL '82	<b>K553-40</b>
REVISED	





STANLEY RIVER

STANLEY RIVER

STANLEY RIVER

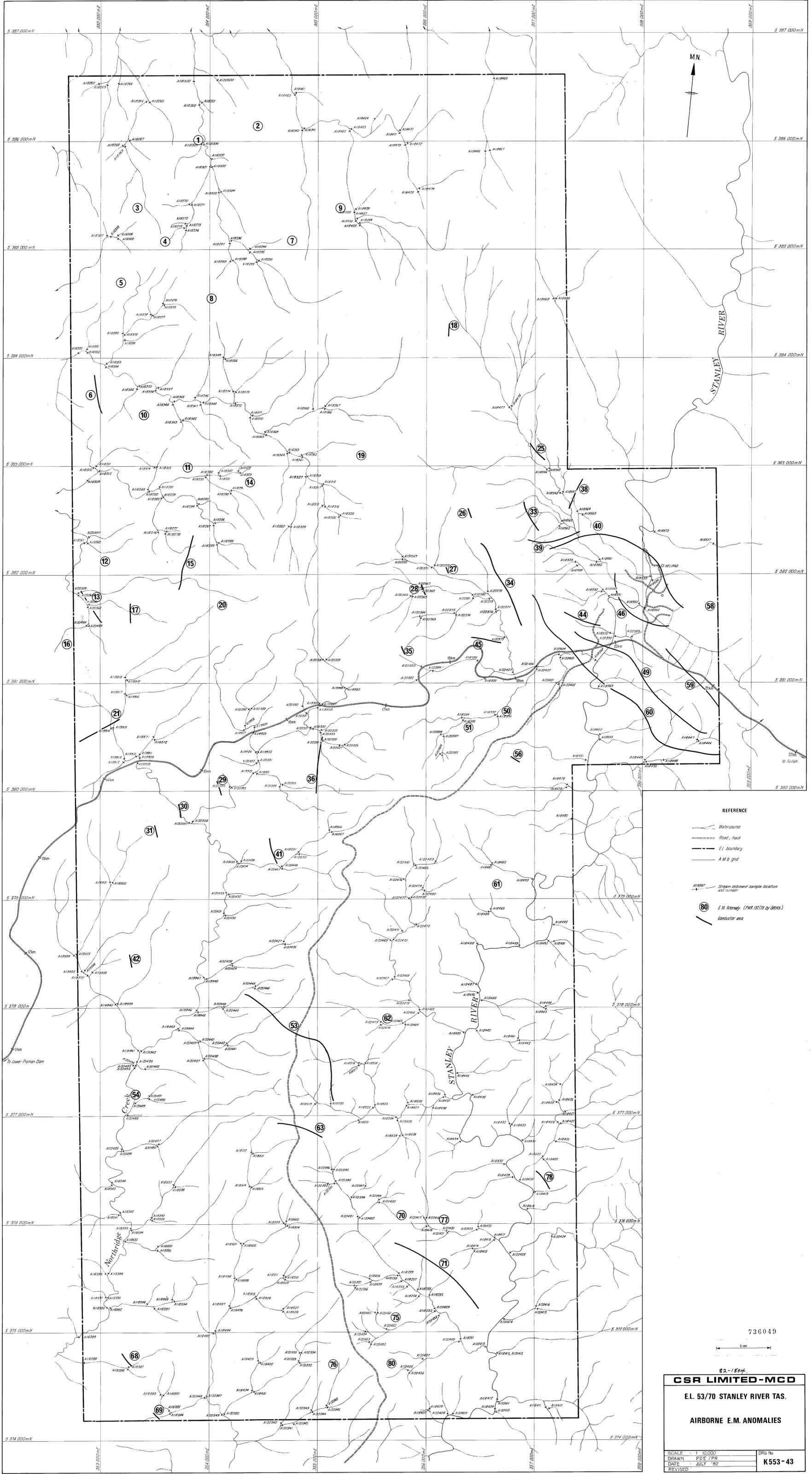
STANLEY RIVER

736048

32-1104  
**CSR LIMITED-MCD**

**E.I. 53/70 STANLEY RIVER TAS.  
 GEOCHEMISTRY  
 GOLD**

SCALE: 1:10,000	DRG No
DRAWN: PDE/PTP	
DATE: APRIL '82	
REVISED:	<b>K553-42</b>



- REFERENCE**
- Watercourse
  - Road, track
  - E.L. boundary
  - A.M.G. grid
  - Stream sediment sample location and number
  - E.M. Anomaly (PKR 131/75 by decex)
  - Conductor axis

736049



82-1504  
**CSR LIMITED-MCD**  
 E.L. 53/70 STANLEY RIVER TAS.  
 AIRBORNE E.M. ANOMALIES

SCALE : 1 : 10000	DRG No
DRAWN : PDE / PR	
DATE : JULY '82	<b>K553-43</b>
REVISED	