

055001

Prospect 600

MICROFILMED

CSR LIMITED - MINERALS DIVISION
EXPLORATION GROUP

ANOMALOUS GEOCHEMICAL AND GEOPHYSICAL
TARGET ZONES : STANLEY REWARD GRID,
E.L. 53/70 STANLEY RIVER, WEST TASMANIA

EMR 59/80

OPEN FILE

ZEEHAN
August, 1980

P.M. MACNAMARA

80-1471

DISTRIBUTION

	<u>Copy</u>
LIBRARY	Original
TASMANIAN DEPARTMENT OF MINES	1 ✓
J.T. IRVING	2
J.H. RATTIGAN	3
P.G. MILLER	
P.M. MACNAMARA	4
ZEEHAN OFFICE	5
SPARE	6

CONTENTS

	<u>PAGE NO.</u>
1. INTRODUCTION	1
2. SUMMARY	3
3. GEOLOGY AND POTENTIAL TARGETS	4
4. RECENT EXPLORATION PROGRAMMES	6
5. SOIL GEOCHEMICAL RESULTS	7
6. RECENT DIAMOND DRILLING RESULTS	8
7. MAGNETIC TRENDS	10
8. INDUCED POLARISATION SURVEY	11
9. RECOMMENDED DRILL HOLES	13
10. REFERENCES	14

APPENDICES

- I CHEMICAL ANALYSES : GRID SOIL SAMPLING
 LINES 3800N TO 4900N, STANLEY REWARD GRID
- II CHEMICAL ANALYSES : SOILS (-80 MESH FRACTION)
 LINES 3800N TO 4900N, STANLEY REWARD GRID

LIST OF ILLUSTRATIONS

<u>FIGURES</u>		<u>FACING PAGE NO.</u>
1	LOCATION MAP, E.L. 53/70, STANLEY RIVER, TASMANIA	1
2	GEOLOGY, E.L. 53/70, STANLEY RIVER	2
3	STANLEY REWARD GRID, E.L. 53/70, STANLEY RIVER	3
4	TIN - I.P.-MAGNETIC ANOMALIES, E.L. 53/70, STANLEY REWARD, TASMANIA	4
5	TIN DISTRIBUTION, STANLEY REWARD, 1980, E.L. 53/70, TASMANIA	7
6	CU IN SOIL (-80 MESH), E.L. 53/70, STANLEY REWARD, TASMANIA	7
7	ZN IN SOIL (-80 MESH), E.L. 53/70, STANLEY REWARD, TASMANIA	7
8	PB IN SOIL (-80 MESH), E.L. 53/70, STANLEY REWARD, TASMANIA	7

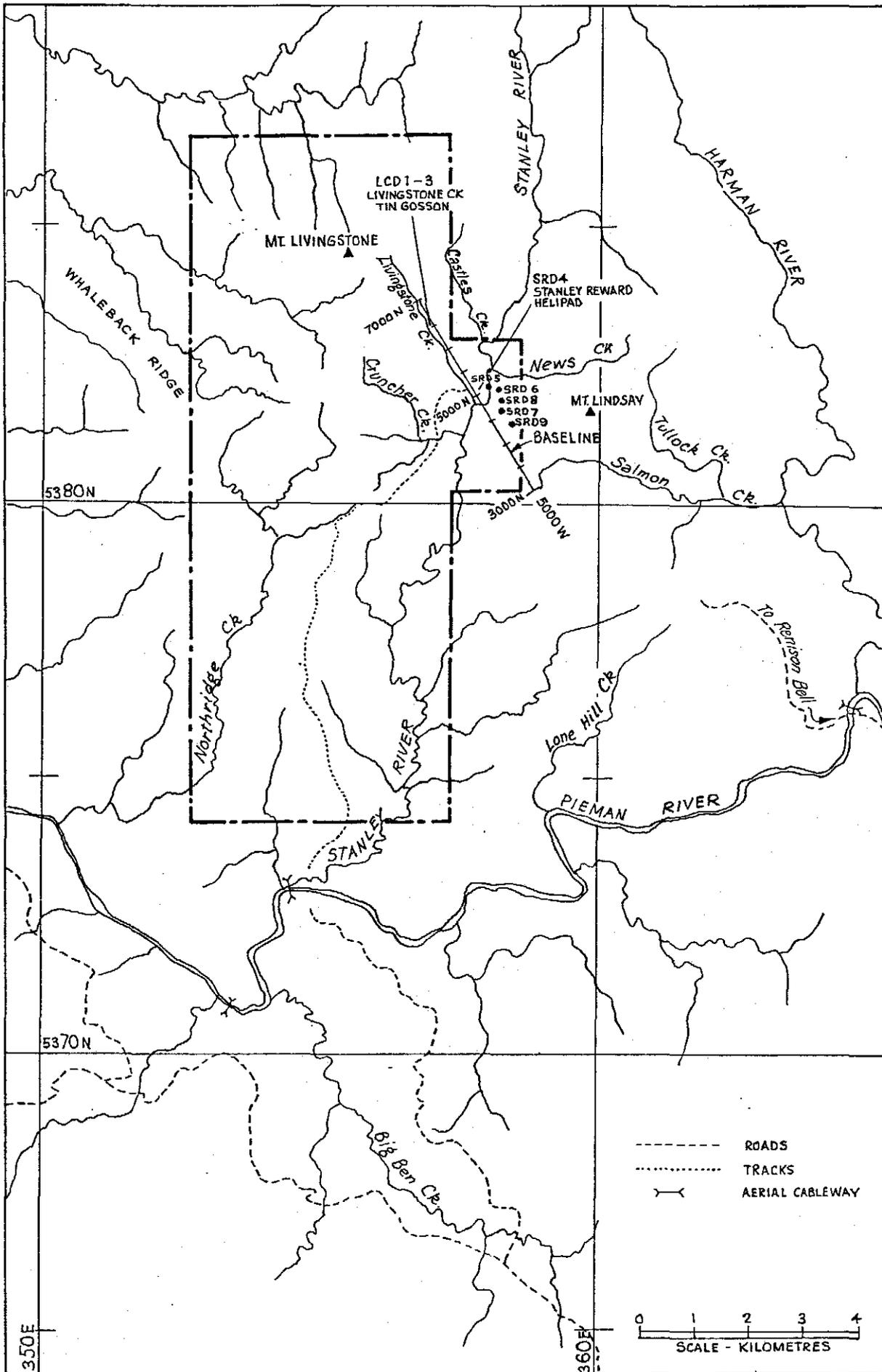
PLANS (IN POCKET)

<u>DWG NO.</u>		<u>SCALE</u>
K553-13	STANLEY REWARD GRID 34N-41N, SOIL GEOCHEMISTRY (Sn, Cu, Zn, Pb, Bi)	1:1,000
K553-14	STANLEY REWARD GRID 41N-48N, SOIL GEOCHEMISTRY (Sn, Cu, Zn, Pb, Bi)	1:1,000

KEYWORDS

9EL 53/70
TASMANIA
EXPLORATION
8SK 55-03
MINERALISATION
1978
1979
SOIL
MAGNETIC
INDUCED POLARISATION

TIN
COPPER
ZINC
LEAD
SILVER
BISMUTH
GEOCHEMISTRY
GEOPHYSICS
DRILLING
ELECTROMAGNETIC



**FIG. 1 LOCATION MAP E.L. 53/70
STANLEY RIVER — ZEEHAN AREA
TASMANIA**

5 cm

1. INTRODUCTION

1.1 The dolomitic "Renison horizon" which hosts the massive stanniferous pyrrhotite-sulphide orebodies at Renison Bell extends northwestwards into E.L. 53/70, Stanley River, West Tasmania (Figure 1).

Within E.L. 53/70, this easterly dipping dolomitic horizon is approximately 3 km long and is terminated at its northern end by the intrusive, cross-cutting and partially underlying Meredith Granite. The carbonate horizon itself occurs beneath a gravel covered topographic depression between two more strongly out-cropping units. These are the stratigraphically underlying Oonah Quartzite and Slate to the west and the overlying Crimson Creek Formation to the east (Figure 2).

1.2 Prospecting of the horizon has been carried out by CSR Limited in recent years using the Stanley Reward Grid. This comprises a baseline along the entire length of the dolomite horizon within E.L. 53/70 and cross-lines at right angles to the baseline every 50 or 100 m. The baseline trends 315° M (grid north) and has been designated as grid 5000mW.

1.3 In the 1978-79 period, special attention was paid to the southern section of the dolomitic horizon with the object of locating signs of tin mineralisation showing up as geochemical anomalies and/or conductors and/or magnetic bodies, i.e. the expected signatures of stanniferous bodies possibly containing sulphides and/or magnetic minerals such as pyrrhotite and magnetite.

Potential targets along the horizon included Renison Bell-type replacement stanniferous-pyrrhotite-sulphide bodies, plus associated feeder structure ore (Federal-Bassett type of Renison Bell); replacement skarn sulphides; and (possibly) large disseminated/"crackle" breccia types.

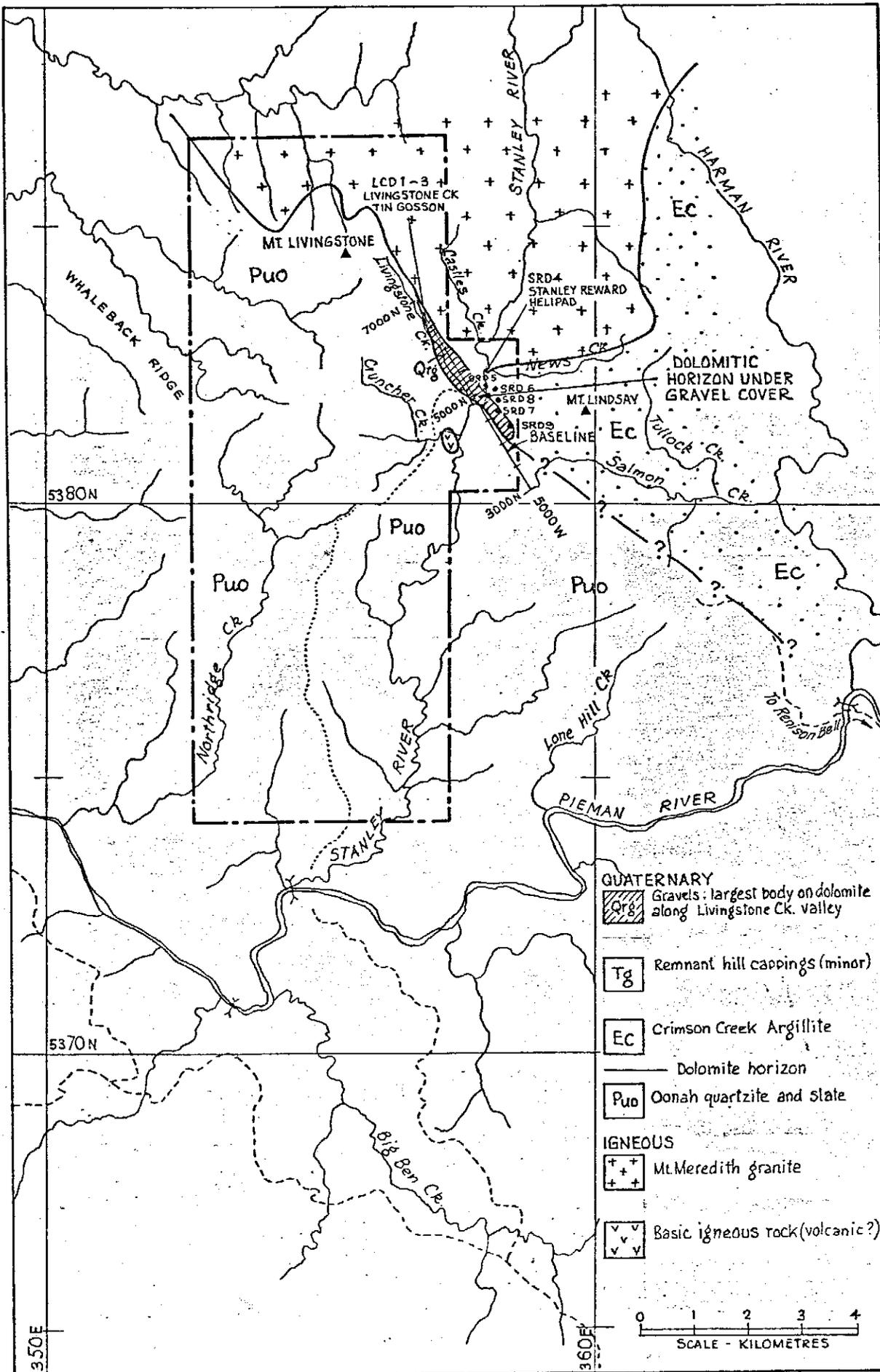


FIG. 2 GEOLOGY EL. 53/70 STANLEY RIVER TASMANIA

5 cm

1.4 The dolomitic horizon within the gridded area is concealed by a 1 m to (?)5 m thickness of gravels and mud cover over its entire length. Persistent attempts at augering through the gravel-cover over the dolomite were successful during this period and resulted in extending the limits of the known tin anomalies southwards from 4300N (see Macnamara, 1978) to approximately 3950N (Figures 5 to 8). I.P./resistivity, VLF-EM and magnetic surveys were also carried out over the grid at close spacings during this period.

1.5 This report outlines some of the more important results obtained to date on that section of the Stanley Reward Grid south of CSR's drilling of recent years. It recommends further drilling to test targets outlined by the 1978-1979 programmes.

The report, in particular, gives details of the results of geochemical prospecting south of line 5000N. This comprises the main part of the soil augering programme of the 1978-1979 period.

1.6 A subsequent report will cover details of geophysical surveys conducted over the grid in the 1975-1980 period.

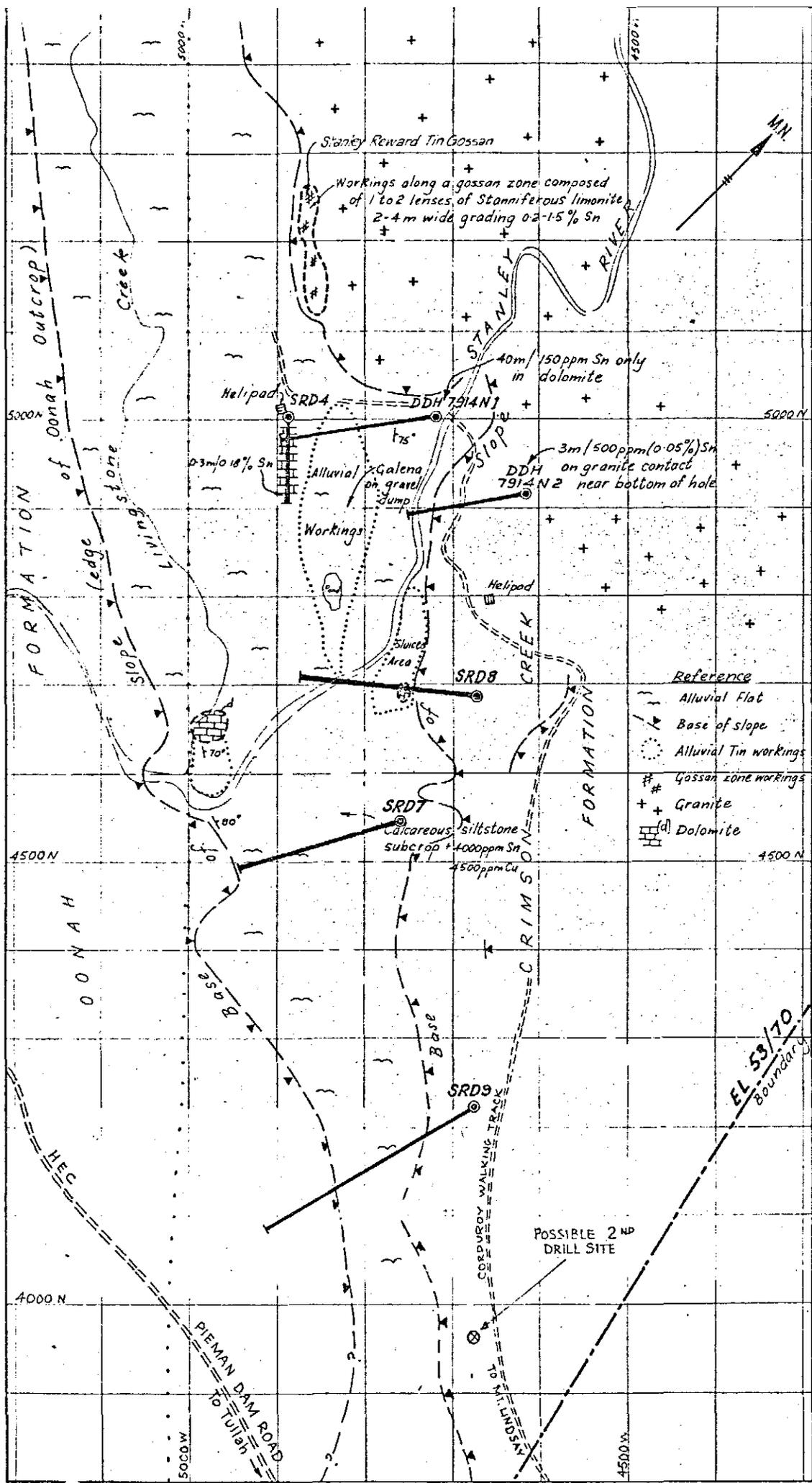


FIG. 3.

STANLEY REWARD GRID
EL. 53/70 STANLEY RIVER

2. SUMMARY

2.1 Sulphide bodies containing tin mineralisation could be expected to yield I.P./resistivity responses while any associated pyrrhotite and/or magnetite would give a magnetic response. Tin itself would probably be associated with elevated values of Cu, Zn, Pb and Bi. Figure 4 summarises the more important tin geochemical, I.P. and magnetic "highs" located to date along the dolomitic horizon. Figures 5, 6, 7 and 8 illustrate the distribution of tin, copper, zinc and lead in soils from augered holes.

2.2 Anomalous geochemical and geophysical "highs" indicated between 4300N and 4500N (Figure 4) appear interesting as potential drill targets. However, SRD 8 (Figure 3) near 4700N intersected granite 100 m below the surface while strong hornfelsing was encountered in SRD 7. Granite may therefore occur at relatively shallow depths and limit plunge potential of any replacement body in the zone north of (say) 4300N.

2.3 South of line 4300N a tin geochemical/I.P. anomaly near 4150N/4800W plus the cross-feature ("dislocation") immediately to the north are recommended as drilling targets. A diamond drill hole collared near 4250N/4650W and directed at -45° plunge to grid south-west is recommended to check these targets at depth.

2.4 If results from this hole are favourable, and granite is not intersected further drilling to the north (and the south) could be considered.

3. GEOLOGY AND POTENTIAL TARGETS

3.1 Results from augering along grid lines plus drill hole data and sparse outcrop have confirmed the presence of a dolomitic horizon dipping eastwards adjacent to the 5000W baseline (Figure 2). Its stratigraphic position is discussed briefly in the Introduction (Section 1) of this report and is illustrated on Figure 2.

3.2 Magnetic profiles along grid lines south of 4300N have indicated the presence of magnetic marker horizons (Macnamara, 1977a). Profile form is similar to those shown at South Renison (Newnham, 1975), and the "Marker Sequence" comprising an upper and lower magnetic chert member is presumed to be present (Figure 4). Outcrop along the marker horizon is almost non-existent.

3.3 Between the lower magnetic marker and the strongly outcropping Onah Quartzite and Slate in the west, fragments of white siliceous rock with black oolites were located in auger holes in the dolomitic horizon. Such oolitic beds are not unusual elsewhere, especially towards the base of the ^{dolerite} dolerite sequence.

3.4 To the N.E. of the gridded area, the Meredith Granite crops out strongly. It was intersected at 110 m depth in DDH SRD8, suggesting an approximate 25° slope to the contact in this area. However, in the Livingstone Creek Gossan zone around 6500N/5000W, almost 2 km to the north, drilling indicated the contact here was probably almost horizontal.

Augering and drilling have indicated the entire dolomitic horizon within E.L. 53/70 has been thermally metamorphosed. Calc-silicate minerals were formed in the carbonate rocks and red brown biotite in the more argillaceous sediments. The bottom of DDH SRD7 showed strong biotitic thermal metamorphism along fractures in quartzitic siltstones.

3.5 Potential targets in the general area of the Stanley Reward grid include :-

3.5.1 Renison Bell-type replacement bodies of magnetic stanniferous pyrrhotite/sulphide associated with and outwards from cross-fracture feeder zones for (say) 100 m each side.

3.5.2 Feeder structure ore (i.e. Federal-Bassett type of Renison Bell). Mineralogy would be similar to 3.5.1.

3.5.3 Contact skarn bodies of massive stanniferous sulphide with pyrrhotite-magnetite. These small tonnage bodies are represented on the grid by the Livingstone Creek and Stanley Reward stanniferous limonite bodies. These may be limited at depth by a granite "floor", but this has yet to be demonstrated fully by drilling.

3.5.4 Other stanniferous targets such as large disseminated and/or "crackle" breccia types, greisens, etc., have not been recognised within the dolomitic horizon to date. However, they are worth checking for on the grid and in the Meredith Granite and along the News Creek granite contact zone to the NE of the gridded area. In the past alluvial tin was recovered in the granite and along the granite contact in the New Creek area.

4. RECENT EXPLORATION PROGRAMMES

During the 1978-1979 period, the following work was completed on the Stanley Reward Grid :-

4.1 Line cutting and surveying to expand the grid in the north and give closer coverage in the south.

4.2 DDH's SRD 7 and 8 were completed.

4.3 Soil augering, especially south of line 5000N, plus drainage and soil sampling at the northern end of the 5000W baseline. Preliminary results were discussed in Macnamara (1978a).

4.4 I.P./resistivity, VLF-EM and ground magnetometer surveys at close spaced intervals over much of the grid. The results of this work will be reported separately, but a summary of some results is shown on Figure 4 of this report.

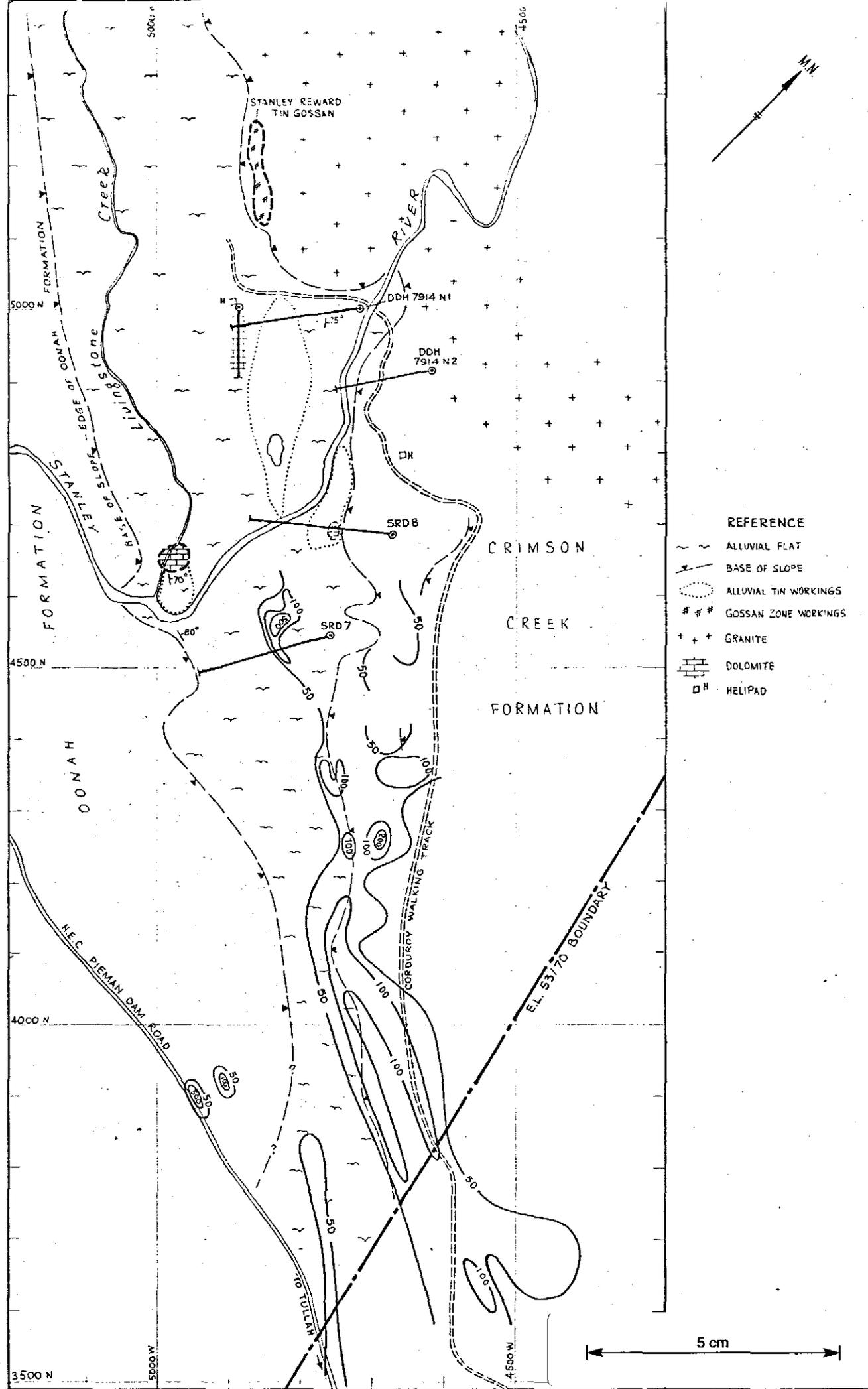


FIG. 6. Cu IN SOIL - 80 MESH
EL. 53/70 STANLEY REWARD TASMANIA

055018

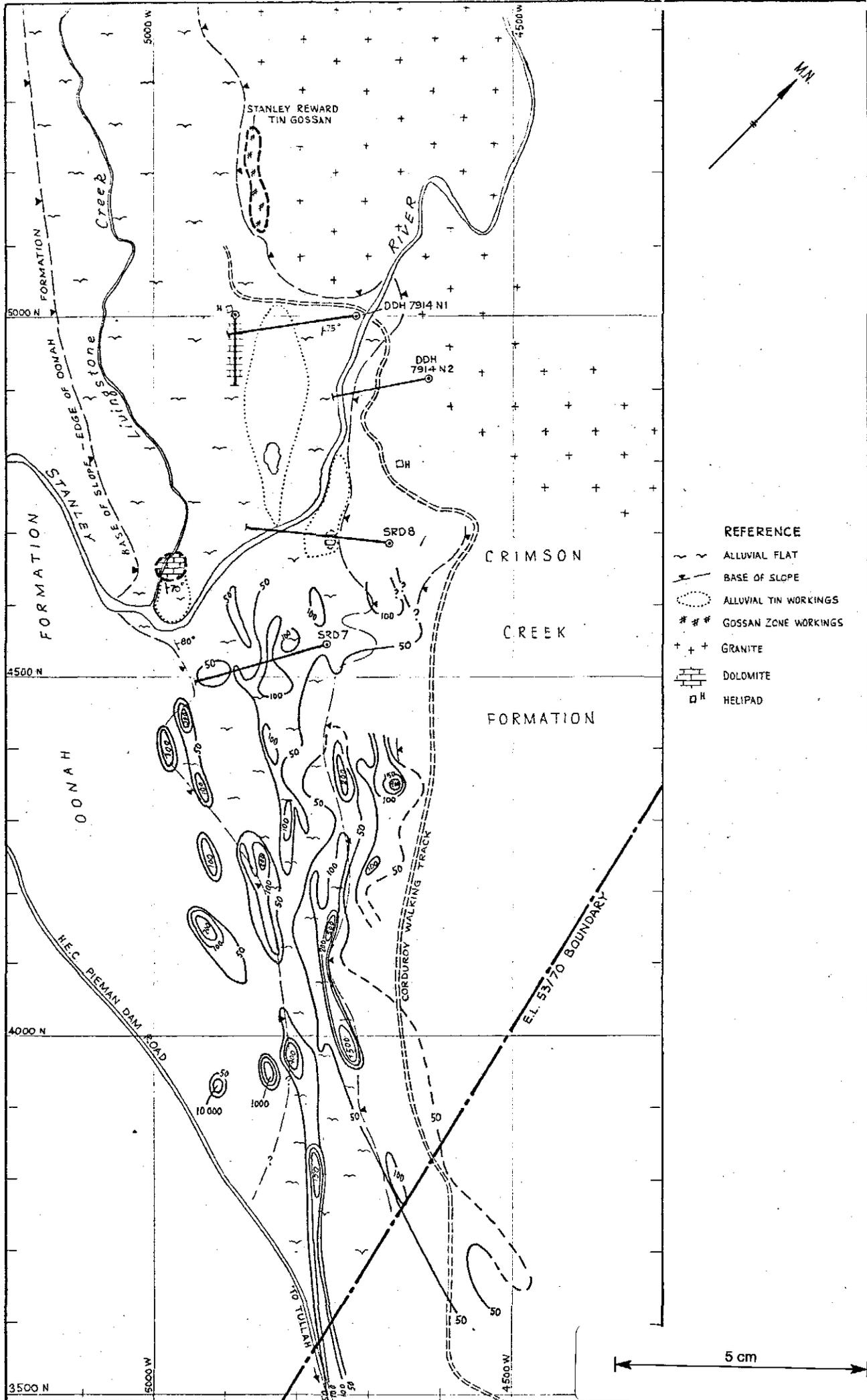


FIG. 7. Zn IN SOIL -80 MESH
E.L. 53/70 STANLEY REWARD TASMANIA

055019

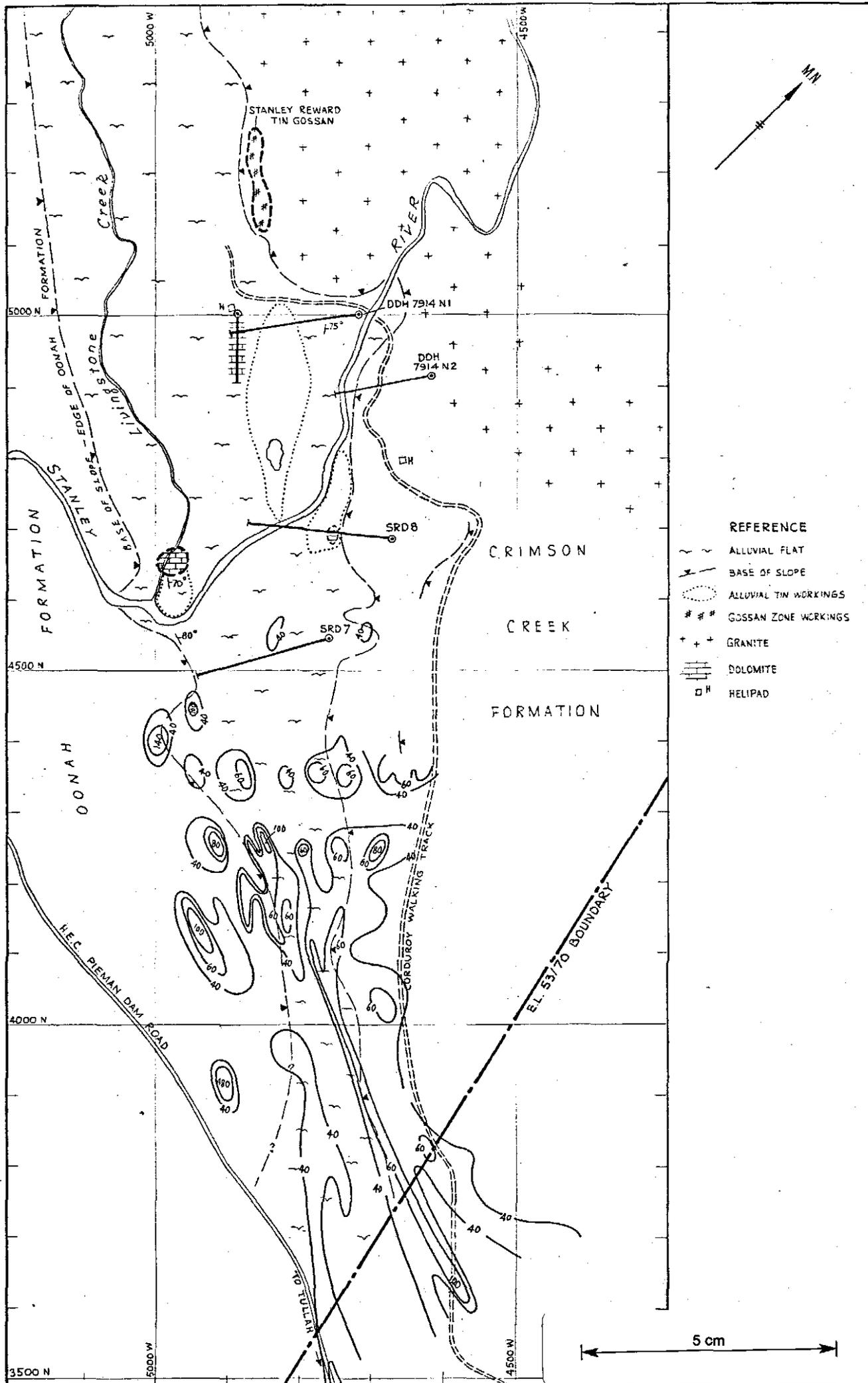


FIG. 8. Pb IN SOIL -80 MESH
EL. 53/70 STANLEY REWARD TASMANIA

5. SOIL GEOCHEMICAL RESULTS

5.1 Intensive, close spaced soil augering was carried out on the Stanley Reward Grid during 1978, especially in the zone south of line 4500N.

Where possible, augering penetrated the gravel cover to the top of the underlying dolomitic horizon. The samples were sieved to -20 mesh, chemically analysed and results reported by Macnamara (1978a). This work was successful in extending the tin anomaly overlying the dolomitic horizon, southwards from line 4300N to 3950N.

5.2 Subsequently, some check and filling-in sampling was carried out, but this did not change significantly the tin distribution pattern revealed by the previous work, and illustrated in this present report on Figure 5.

5.3 In addition, the -80 mesh fraction of the augered samples were subsequently analysed for Sn, Cu, Zn, Pb, Bi and Ag. Results are listed in Appendices I and II. Contoured values of Cu, Zn and Pb are illustrated on Figures 6, 7 and 8.

5.4 Distribution patterns for Cu, Zn and Pb are crudely similar. The higher Cu, Zn and Pb values parallel the anomalous tin zone (Figure 5) and extend weakly southwards of 3950N. This suggests that the stanniferous horizon may possibly also extend southwards of 3950N at depth but the concept is fairly speculative.

6. RECENT DIAMOND DRILLING RESULTS

Set out below is a brief resume of results from diamond drill holes SRD 4 to SRD 8 (Figure 3). These holes (plus three to the north) were drilled between 1974 and 1978. Results have been reported in detail in past reports (Macnamara, 1974, 1976 and 1978).

6.1 DDH SRD 4 inclined at -45° southwards, intersected skarned dolomite only. The strongest mineralisation was 0.3 m of 0.18% Sn near the bottom of the hole at 139 m. No granite was encountered.

6.2 DDH 7914N1 (= SRD 5) at -45° westwards was collared in Crimson Creek Formation and passed through a skarned sequence of pale dolomites and darker biotitic dolomitic siltstones. No granite was intersected. The widest stanniferous zone was at 104 m depth where 40 m of 150 ppm Sn was cored in pyritic dolomite.

6.3 DDH 7914N2 (= SRD 6) collared in granite at -45° passed westwards into dark biotitised siltstone hornfels between 58 to 89 m, and then into dolomite and with black siltstone interbeds to 176 m and then back into granite. On the dolomite/granite contact at 176 m, 3 m of 0.05% Sn were encountered.

6.4 SRD 8 inclined at -38° westwards encountered greywacke and calc-silicate rocks to 62 m, pale skarned dolomite 62 m to 186 m and granite 186 m to the bottom at 250 m.

Minor sporadic tin to 300 ppm was encountered plus 0.4 m of 0.3% Sn at the granite/dolomite contact.

6.5 SRD 7 inclined at -39° westwards is the most southern hole drilled to date. It encountered calc-silicates/dolomite to 234 m, and then passed into the underlying Donah Quartzite and Slate which showed strong

biotitic alteration inwards from fractures, i.e. hornfelsing. This strong contact metamorphism of quartzite siltstones indicates granite could occur at depth within a few hundred metres.

6.6 Except for the known stanniferous limonite bodies at Stanley Reward (5200N) and on Livingstone Creek (6500N) extensive tin mineralisation has not yet been found directly on the dolomite/granite contact. These two occurrences appear to be contact metasomatic replacements of carbonate rocks. The Livingstone Creek limonite body bottoms on granite at shallow depth at its northern end. The southern part of this body and the Stanley Reward body may also bottom shallowly on granite, although this remains to be conclusively demonstrated. As the granite below these bodies is unlikely to be mineralised, overall tonnage could be limited. Therefore, although such bodies could occur in the zone northwards of SRD 7 (i.e. north of 4500N), they may bottom on granite at shallow depth. This would restrict plunge potential and therefore tonnage potential of individual bodies.

6.7 Thus the dolomitic zone 4500N to 3950N appears to offer the best possibility of intersecting tin mineralisation with plunge potential. The zone is within the Meredith Granite's contact aureole but is possibly far enough away from the granite contact, especially passing southwards, to offer some chance of down dip, tonnage potential to any replacement bodies in the dolomitic host rocks.

7. MAGNETIC TRENDS

7.1 The magnetic "Marker Sequence" mentioned previously comprises a lower (H1) and upper (Hu) magnetic chert horizon with an intervening dolomitic member. The magnetic low shown on Figure 4 as "-L-L-L-" is the western and stratigraphically lower boundary of the "Marker Sequence". Between the "Marker Sequence" and the line marked "base of slope" to the west occurs the swampy gravel-covered main dolomite zone referred to previously. This zone is apparently the equivalent of the No. 2 Carbonate and No. 3 Carbonate replacement horizons of the Renison Bell Mines. Augering has indicated that white chert with black oolites occurs near its base in places.

Strongly outcropping Oonah Quartzite and Slate occur to the west again on the west side of the line on Figure 4 marked "base of slope".

7.2 A weak 10-20 gamma magnetic high occurs just west of line 4800W between 4300N and 4450N. This may be a southward offshoot of the 50 to 200 gamma anomalous high between 4500N/4850W and 4600N/4900W checked partially by DDH SRD 7 in 1978. Between lines 3950N and 4500N and west of the lower chert marker band (H1) it represents the only marked magnetic high in that section of the dolomitic sequence in which the tin anomaly occurs. It subparallels an I.P. anomaly and the tin anomaly. It could therefore be a drill target but strong hornfelsing in SRD 7 core and the granite intersected in SRD 8 suggest granite may occur within a few hundred metres of the surface in this area. For this reason it is recommended as a possible secondary drill target only at this stage.

8. INDUCED POLARISATION SURVEY

8.1 Howland-Rose (1978) of Scintrex conducted an I.P. and resistivity survey over the Stanley Reward Grid in 1978. Electrical I.P. anomalies Nn (north) and Ns (south), T, U, V and W have been plotted from this data onto Figure 4. They represent the more important non-"formational" I.P. highs which he considered might be related to mineralisation because of their E.I.P. character.

8.2 Anomaly U straddling 4300N at 4720W was considered by Howland-Rose to be the most significant in the area with a source indicated at 20 m depth which is both chargeable and conductive. It lies along the lower magnetic chert marker (H1). However, anomaly W to the south was considered to be of secondary priority as the zone could be formational. (Comment: W may be the southern extension of U?).

8.3 Anomaly T (4300N to 4400N/4940W) and the south part of anomaly N (4350N/4800W to 4500N/4900W) are considered by Scintrex to be of prime interest although of moderate I.P. response only. They occur in the vicinity of tin geochemical anomalies and E.I.P. "dislocations" which may represent faults or possible mineralisation feeder zones. A weak magnetic high at 4825W occurs in the vicinity of Ns. A constraint on these favourable factors is the possibility indicated by drill hole SRD 7 that granite may occur within a few hundred metres of the ground surface and limit plunge potential of any mineralisation.

8.4 Howland-Rose (1978) considered E.I.P. anomaly V to be of prime geophysical interest at 4800W on line 4150N at 30 m depth. Elsewhere between 4200N and 3900N anomaly V was considered to be of secondary, possibly formational, interest. However, the coincidence of Anomaly V and a

tin geochemical anomaly tends to upgrade this zone which straddles 4800W between 4200N and 3900N. Anomaly V's close association with the tin anomaly and the E.I.P. dislocation through 4200N/4800W (a possible "feeder" zone) are other favourable factors.

This target is recommended for the first drill hole.

9. RECOMMENDED DRILL HOLES

9.1 Collar between 4250N and 4300N at 4650W and direct the drill hole at -45° grid SW to pass below the tin-E.I.P. anomaly at 4150N/4800W - say 350 m long.

This hole is recommended first.

9.2 Other holes aimed at checking tin geochemical and I.P. anomalies in the zone south of 4500N should be sited when results of the first hole are known. At this stage, a steep hole near 4050N/4650W is a possibility.

Provided granite is not intersected in the first hole, a hole collared in the vicinity of 4400N/4625W to be drilled (say) -45° grid SW is worth considering.

10. REFERENCES

- .. HOWLAND-ROSE, A.W. (1978).
A Report on Electrical Induced Polarisation Gradient
Array Reconnaissance Survey over Stanley River Prospect,
E.L. 53/70, Tasmania, on behalf of Pacminex Pty. Limited.
PMR 37/78.

- .. MACNAMARA, P.M. (1974)
Progress Report on Exploration and Drilling to May, 1974,
on E.L. 53/70, Tasmania.
Pacminex Report PMR 60/74.

- .. MACNAMARA, P.M. (1977a).
Report on Exploration 1975-1977 (Drilling, Geochemical
and Magnetic Surveys), Stanley Reward, E.L. 53/70.
Pacminex Report PMR 153/77.

- .. MACNAMARA, P.M. (1977b).
Stanley Reward, E.L. 53/70 Grid Soil Geochemistry 1975-
1977.
Pacminex Report PMR 168/77.

- .. MACNAMARA, P.M. (1978a).
Stanley Reward Drilling 1978, E.L. 53/70, Stanley River
West Tasmania.
Pacminex Report PMR 97/78.

- .. MACNAMARA, P.M. (1978b).
Geochemical Sampling 1978, E.L. 53/70, Stanley River,
West Tasmania.
Pacminex Report PMR 103/78.

- .. NEWMHAM, L.A. (1975).
A Lower Cambrian Marker Sequence in the Renison-Mt. Lindsay
Area. Lower Palaeozoic Geology of West Tasmsnia.
Symposium, Geol. Society of Australia, Queenstown 1975.

APPENDIX I

CHEMICAL ANALYSES : GRID SOIL SAMPLING
LINES 3800N TO 4900N, STANLEY REWARD GRID

SAMPLE NUMBER	HARDY TYPE	APPROXIMATE DEPTH (METERS)	CHEMICAL ANALYSES (ppm)														SUMMARY DESCRIPTION	LOCATION		
			Sn	Cu	Zn	Pb	Bi	Ag										ENT N/S	HTS LINE	
600754	S	-20	<1	30	20		<1											0-0.7m khaki clayey soil - crimson ck fm - in situ? (A)	180N	ML18
		-80	<1	90	40	40	<20	<2												
600751	S	-20	<1	300	30		<1											0-0.5m wd. khaki clay soil & gr. blk hornfelsed gwacke sot. frags. - in situ. (A)	162N	ML18
		-80	<1	60	30	40	<20	<2												
600752	S	-20	<1	100	30		3											0-0.7m Aa for 600751 (A)	141N	ML18
		-80	<1	60	40	40	<20	<2												
600753	S	-20	<1	100	<20		<1											0.5m: xaline hornfels & pyrite - gwacke or basalt? plus khaki shy. wd. ck - residual? (A)	115N	ML18
		-80	<1	120	80	40	<20	<2												
600754	S	-20	<1	100	<20		<1											0.6m: A - mauve clay shale - base of main slope. - residual.	90N	ML18
		-80		50	20	20	<20	<2												
600755	S	-20	<1	300	<20		<1											1.7m: residual pale white - yellow clay shale, overlain by khaki clay	65N	ML18
		-80	<1	30	30	20	<20	<2												
600756	S	-20	<1	300	<20		<1											1.1m: residual dk. gr. med. grained greywacke overlain by ? hornfelsed med. grey cherty banded sh. frags	40N	ML18
		-80	<1	110	70	20	<20	<2												
600757	S	-20	<1	100	<20		<1											1.5m: residual white - red brown silty clay soil (A?)	15N	ML18
		-80		90	50	120	<20	<2												
600758	S	-20	<1	1000	<20		<1											1-3m: crimson ck. fm clay (khaki) - A	14S	ML18
		-80		70	40	20	<20	<2												
600759	S	-20	<1	300	30		<1											0.6m: khaki A clay, broken rock at bottom.	30S	ML18
		-80	<1	50	30	40	<20	<2												
600760	S	-20	<1	300	<20		<1											1.2m khaki clay (A) - on flat at 55 S	60S	ML18
		-80		40	40	20	<20	<2												
600761	S	-20	30	100	<20		<1											1.9m - mud flat (horizontal scrub); black oolitic chert fragments at 1.9m (Ooc)	78S	ML18
		-80	<1	20	30	20	<20	<2												
600762	S	-20	<1	30	<20		<1											0.6m: limonitic clay, ? black sh. oolitic chert fragments - top of chert "ridge" at 10.6 S	93S	ML18
		-80		30	20	<20	<20	<2												
600763	S	-20	<1	10	<20		<1											0.4m: d. grey to grey black shale	113S	ML18
		-80	<1	10	<2	<20	<20	<2												
600764	S	-20	30	300	<20		<1											0.2m: hard bottom - clay + broken fragments	143S	ML18
		-80	<1	10	70	<20	<20	<2												
600765	S	-20	<1	100	<20		<1											0.2m: hard pale grey, slightly limonitic shale	152S	ML18
		-80	<1	10	<2	<20	<20	<2												
600766	S	-20	<1	3	<20		<1											0.7m: pale limon. brown silty sh or slst.	172S	ML18
		-80	<1	10	30	40	<20	<2												
600767	S	-20	30	300	30		<1											white clay, pale yellow brown in places - no calc-silicate minerals seen. (check Ca)	203S	ML18
		-80	<1	60	100	60	<20	<2												
600768	S	-20	<1	1	<20		<1											pale cream clay, limonite patches - sh.	227S	ML18
		-80		10	10	20	<20	<2												
600769	S	-20	<1	30	<20		<1											pale grey slst - sh., pale clay soil	257S	ML18
		-80		10	<2	<20	<20	<2												
600770	S	-20	100	100	<20		<1											black shale fragments - in situ? - base of slope.	283S	ML18
		-80		<2	10	<20	<20	<2												

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

AREA EL53/70 Stanley River
 STATE TAS LOCATION STANLEY
REWARD

PROSPECT NUMBER 600
 1:100,000 SHEET 7914 Pieman

DATE SAMPLED JAN. 78
 SAMPLER P. MACNAMARA

LABORATORY REPORT NO. _____
 ANALYTICAL METHOD _____

CONDITIONS: SAMPLE TYPE — M - Creek mud, S - Soil
 SA - Soil Auger, RC - Drill Core,
 RP - Percussion Chips
 R - Rock
 ANALYSES: Please state element

ADDITIONAL Ns - Oonah Qand S. -
quartzitic slst.

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (MICRONS)	CHEMICAL ANALYSES (ppm)										SUMMARY DESCRIPTION	LOCATION		
			Sn	Cu	Zn	Pb	Bi	Ag						E/W	MLIB, 19 LINES	
600.771	S	-20	<1	1.0	<20	<1								Oonah Quartzite and Slate scree - quartzitic slst (Ns)	304S	ML18
		-80	<1	1.0	<20	<20	<2									
600.772	S	-20	<1	1.0	<20	<1								0.6m: Oonah soil, Ns fragments - grey Ns soil	328S	ML18
		-80	<1	1.0	<20	<20	<2									
600.773	S	-20	<1	1.0	<20	<1								0.5m: Ns soil - Ns fragments (in situ?)	355S	ML18
		-80	<1	1.0	<2	<20	<20	<2								
600.774	S	-20	<1	3.0	<20	<1								1.0m - bedrock Oonah, grey silty shale (Nsh), Ns scree 0-1m.	332S	ML19
		-80	<1	1.0	<20	<20	<2									
600.775	S	-20	<1	3.0	<20	<1								0.7m - Nsh - black shale, Ns scree 0-0.7m	310S	ML19
		-80	<1	1.0	<20	<20	<2									
600.776	S	-20	<1	1.0	<20	<1								0.3m: grey Ns scree	293S	ML19
		-80	<1	<2	20	<20	<20	<2								
600.777	S	-20	10	30	<20	<1								0.2m Ns soil on hard base (N?) - mud flat area.	267S	ML19
		-80	<1	<2	10	<20	<20	<2								
600.778	S	-20	3	100	<20	<1								0.3m: yell. br. limonitic Nsh or Ns (sampled) under Ns scree	253S	ML19
		-80	<1	40	40	<20	<20	<2								
600.779	S	-20	<1	1.0	<20	<1								0.4m: red br. clay (sh?), Ns scree 0-0.4m.	235S	ML19
		-80	<1	20	10	20	<20	<2								
600.780	S	-20	<1	1.0	<20	<1								0.3m: blue grey-black shaley slst (Nsh) - black slst; argitic.	222S	ML19
		-80	<1	40	110	40	<20	<2								
600.781	S	-20	<1	1.0	30	<1								0.5m: med. brown clay (= sh?) - residual?	210S	ML19
		-80	<1	50	20	<20	<20	<2								
600.782	S	-20	<1	1.0	<20	<1								0.4m: grey silty sh, overlain by gr. br. silty sh. soil.	198S	ML19
		-80	<1	20	20	<20	<20	<2								
600.783	S	-20	<1	1.0	<20	<1								0.4m: pale gr sh, wd to limon. - Mn stained pale gr. br. clay	185S	ML19
		-80	<1	20	<2	20	<20	<2								
600.784	S	-20	<1	30	<20	<1								0.6m: white to cream shale (check Ca%), 0-0.6 alluvials, qtz, frags of white hard "Porcellanite" slst sh.	171S	ML19
		-80	<1	1.0	10	<20	<20	<2								
600.785	S	-20	<1	1.0	<20	<1								0.3m: brown clay (sh) base, sl limon.	158S	ML19
		-80	<1	30	30	40	<20	<2								
600.786	S	-20	<1	30	<20	<1								0.3m: f.g. granular rock - dolomitic slst? (check Ca)	145S	ML19
		-80	<1	20	10	<20	<20	<2								
600.787	S	-20	<1	30	<20	<1								0.4m: med to dark grey sh, white soft bands - residual	130S	ML19
		-80	<1	<2	10	<20	<20	<2								
600.788	S	-20	<1	30	<20	<1								0.4m: pale fawn colored clay (sh)	116S	ML19
		-80	<1	10	<2	<20	<20	<2								
600.789	S	-20	<1	1.0	<20	<1								0.6m: brown limon. clay (sh), grey sh nearby	105S	ML19
		-80	<1	1.0	<2	<20	<20	<2								
600.790	S	-20	<1	1.0	<20	<1								1.0m: pale grey brown slst (≈ Ns type?) - check Ca.	92S	ML19
		-80	<1	1.0	10	40	<20	<2								

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

AREA EL53/7c Stanley River
 STATE TAS LOCATION Stanley River

PROSPECT NUMBER 600
 SHEET 7914 Pieman

DATE SAMPLED JAN 78
 SAMPLER P.M.M.

LABORATORY REPORT NO. _____
 ANALYTICAL METHOD _____

CONDITIONS: SAMPLE TYPE — M - Creek mud, S - Soil
SA - Soil Auger, RC - Drill Core,
RP - Percussion Chips
R - Rock
 ANALYSES: _____
 Please state element

ADDITIONAL _____
A = Crimson CK. Argillite

SAMPLE NUMBER	SAMPLE TYPE	APERTURE (mm) (1/16" - 1/8")	CHEMICAL ANALYSES (ppm)																SUMMARY DESCRIPTION	LOCATION	
			Sn	Cu	Zn	Pb	Bi	Ag												E/W	LINE
600791	S	-20	10	100	<20		<1												0.6m: blue b shale - base of slope	80S	ML19
		-80	3	10	10	40	<20	<2													
600792	S	-20	<1	100	30		<1												1.2m-1.5m: red and br. silty sh; dk. blue green sh ± khaki wd. at 0.3m (br. sh?). brown chert fragments.	70S	ML19
		-80	<1	90	80	60	<20	<2													
600793	S	-20	<1	30	<20		<1												1-1.6m: red br. limon. clay (A?) overlain by dk. grn. blue bk silt + hornfels frags. - base of slope.	64S	ML19
		-80	<1	100	100	40	<20	<2													
600794	S	-20	<1	100	30		<1												0.5m: ? slumped scree - A type clay ± limon. "pebbles".	50S	ML19
		-80	<1	80	70	40	<20	<2													
600795	S	-20	<1	100	30		<1												0.4m: white speckled (phenocrysts?) pale blue grey shale, ? brecciated. 0-0.4m green br. clay (A)	37S	ML19
		-80	1	60	60	40	<20	<2													
600796	S	-20	<1	100	<20		1												1.2m colluvial? slumped? A clay + rock fragments	23S	ML19
		-80	1	60	40	40	<20	<2													
600797	S	-20	<1	100	<20		<1												As for 600796? 1.3m depth. (15m N of line) - roots of tree	20S	ML19
		-80	<1	100	70	60	<20	<2													
600798	S	-20	<1	100	<20		<1												1.2m: A clay + rock frags. - slump colluvial?	6S	ML19
		-80	<1	80	60	40	<20	<2													
600799	S	-20	<1	300	<20		<1												0.3m: pale brown Donah Q and S. clay - Nsh?	343S	ML20
		-80	10	900	20	40	<20	<2													
600800	S	-20	<1	30	<20		<1												0.2m: Ns; Nscrees to 0.2m.	335S	ML20
		-80	3	10	20	<20	<20	<2													
600801	S	-20	<1	30	<20		<1												0.3m limonitic greenish silty clay (= Nsh?)	315S	ML20
		-80	1	10	10	<20	<20	<2													
600802	S	-20	3	300	1000		3												0.5m dark green grey silty sh, fine pyrite.	296S	ML20
		-80	100	130	10000	1480	<20	10													
600803	S	-20	1	100	<20		<1												0.4m lustrous (graphitic?) black silty sh.	278S	ML20
		-80	10	10	40	40	<20	<2													
600804	S	-20	1	100	<20		<1												0.5m depth: dark blue grey sh.	267S	ML20
		-80	3	10	10	20	<20	<2													
600805	S	-20	<1	300	<20		1												0.6m brown limon. silty clayey sh.	245S	ML20
		-80	<1	20	20	40	<20	<2													
600806	S	-20	<1	30	<20		<1												0.1m black shale	236S	ML20
		-80	10	10	<2	<20	<20	<2													
600807	S	-20	1	100	300		<1												1.2m wd. sh - pale cream clay, darker bands.	224S	ML20
		-80	3	40	1000	<20	<20	<2													
600808	S	-20	<1	100	<20		<1												0.2m: black sh silt (0-0.2m mud/scree)	210S	ML20
		-80	1	20	30	40	<20	<2													
600809	S	-20	<1	100	<20		<1												0.3m: wd. dark brown clay (0-0.3m mud/scree on flat)	197S	ML20
		-80	<1	30	30	40	<20	<2													
600810	S	-20	<1	100	100		<1												0.4m: As for 600807 - wd. pale cream clay (sh) ± greengrey bands 0-0.4m - mud flat scree.	185S	ML20
		-80	3	20	400	40	<20	<2													
600811	S	-20	<1	30	<20		<1												0-0.5m: mud flat scree - not penetrated.	176S	ML20
		-80	10	10	80	40	<20	<2													
600812	S	-20	<1	100	<20		1												0.5m: Soft cream to light grey pyritic clay (= Sh) ± pale green (chloritic?) bands - check Cu.	160S	ML20
		-80	1	20	50	20	<20	<2													

055031

PACMINEX PTY LTD. — SAMPLE DATA SHEET

AREA EL53/70 STANLEY R. PROSPECT NUMBER 600
 STATE TAS LOCATION STAN. Reward SHEET 7914 Pieman

DATE SAMPLED Jan 78
 SAMPLER P.M.M.

LABORATORY REPORT NO. _____
 ANALYTICAL METHOD _____

CONDITIONS: SAMPLE TYPE — M - Creek mud, S - Soil
 SA - Soil Auger, RC - Drill Core,
 RP - Percussion Chips
 R - Rock
 Please state element

ADDITIONAL _____

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (MICRONS)	CHEMICAL ANALYSES (ppm)																SUMMARY DESCRIPTION	LOCATION	
			Sn	Cu	Zn	Pb	Bi	Ag												E/W	LINE
600813	SA	-20	<1	30	<20		<1												0.2m depth : dark brown limonitic-Mn stained clay (sh.)	155S	ML20
		-80	<1	10	10	20	<20	<2													
600814	SA	-20	10	30	<20		<1												0.2m bedrock - pale cream br. sh (sampled mainly scree on top).	146S	ML20
		-80	1	10	10	<20	<20	<2													
600815	SA	-20	<1	10	<20		<1												0.3m white slst subcrop (check Ca) - base of slope	140S	ML20
		-80	<1	10	10	20	<20	<2													
600816	SA	-20	<1	30	<20		<1												1.0m : med. grey and limon. br. clayey soil ± harder limonite frags. - slump colluvial or in situ? - A? or near A.	132S	ML20
		-80	<1	10	30	60	<20	<2													
600817	SA	-20	<1	300	<20		<1												1.2m : Khaki - blue - yellow - brown - khaki clay (A?); 0-1.2m khaki clay ± black sh, hornfels frags.	120S	ML20
		-80	<1	140	80	40	<20	<2													
600818	SA	-20	<1	100	300		<1												1.3m : Cream - green khaki clay (A sh?); 0-1.3 A clay - mud flat.	108S	ML20
		-80	<1	90	1250	100	<20	<2													
600819	SA	-20	3	1000	300		<1												0.3m : dark blue br. sandy clay ± cream bands - residual?	98S	ML20
		-80	<1	200	550	40	<20	<2													
600820	SA	-20	<1	100	<20		<1												Khaki grey or green khaki clay ± rock frags. (A?) - possibly colluvial slump.	89S	ML20
		-80	<1	90	40	40	<20	<2													
600821	SA	-20	10	30	<20		<1												1.3m yellow orange clay, khaki clay, blue grey sh frags. - base of A slope to the east.	80S	ML20
		-80	500	80	30	40	<20	<2													
600822	SA	-20	<1	30	<20		<1												0.7m : brown khaki clay ± red sh, red br. and blue rock frags. (A)	65S	ML20
		-80	<1	100	60	40	<20	<2													
600823	SA	-20	<1	30	<20		<1												0.5m : Khaki clay ± variegated red, khaki, black rk. frags.	44S	ML20
		-80	<1	130	70	60	<20	<2													
600824	SA	-20	<1	30	<20		<1												1.1m : khaki clay ± rock frags - A colluvial slump?	15S	ML20
		-80	<1	70	60	40	<20	<2													
600825	SA	-20	<1	300	<20		<1												0.2-0.5m : med grey shale (Nsh?) 0-0.2 rubble	4835W	3800N
		-80	3	10	<2	<20	<20	<2													
600826	SA	-20	<1	100	<20		<1												0.3m : As for 600825.	4818W	3800N
		-80	3	10	<2	<20	<20	<2													
600827	SA	-20	<1	100	<20		<1												0.2m : As for 600825	4797W	3800N
		-80	30	<2	10	20	<20	<2													
600828	SA	-20	<1	30	<20		<1												0.2-0.6m : d. grey sh - Nsh - as for 600825; 0-0.2m rubble.	4782W	3800N
		-80	3	10	<2	<20	<20	<2													
600829	SA	-20	<1	100	<20		<1												0.2-1.5m : d. blue black shy slst, pyritic; 0-0.2 organics.	4767W	3800N
		-80	1	60	20	40	<20	<2													
600830	SA	-20	1	100	<20		<1												0.5-1m : d. brown limon clay (Sh?), wd 600829?; 0-0.5 alluv sds.	4752W	3800N
		-80	3	50	190	40	<20	<2													
600831	SA	-20	<1	30	<20		<1												0.2-0.5m pale cream brown silty clay (=Sh.), 0-0.2 organics	4735W	3800N
		-80	3	10	10	40	<20	<2													
600832	SA	-20	<1	30	<20		<1												0.2-0.5m wd. bl. limon pale y. and y. br. grey clay (=Sh) 0-0.2m - Swamp.	4721W	3800N
		-80	<1	10	20	40	<20	<2													
600833	SA	-20	<1	30	<20		<1												0.2-1.5m : pale cream br. silty clay - As for 600831-832 : slst.	4703W	3800N
		-80	<1	10	10	20	<20	<2													
600834	SA	-20	<1	30	<20		<1												0.2-0.3m : Med. to light brown sh, limonitic (check Ca); 0-0.2m horizontal scrub/Alluvials.	4688W	3800N
		-80	1	20	20	<20	<20	<2													

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

AREA E 153/70 Stanley River PROSPECT NUMBER 600
 STATE TAS LOCATION STANLEY REWARD SHEET 7914 Reman

DATE SAMPLED JAN '78
 SAMPLER P.M.M.

LABORATORY REPORT NO. _____
 ANALYTICAL METHOD _____

CONDITIONS: SAMPLE TYPE — M - Creek mud, S - Soil
SA - Soil Auger, RC - Drill Core,
RP - Percussion Chips
 ANALYSES: R - Rock
 Please state element

ADDITIONAL hA - hornfels, Crimson CK.

SAMPLE NUMBER	SAMPLE TYPE	DEPTH (meters)	CHEMICAL ANALYSES (ppm)														SUMMARY DESCRIPTION	LOCATION		
			Sn	Cu	Zn	Pb	Bi	Ag										E/W	LINE	
600835	SA	-20	<1	30	<20		<1											0.7m light grey shaley slst.	4671W	3800N
		-80	1	10	10	<20	<20	<2												
600836	SA	-20	<1	100	<20		<1											0.3-1.3m grey clay - as for 600835, light grey sh.	4655W	3800N
		-80	<1	40	20	20	<20	<2												
600837	SA	-20	<1	100	30		<1											0-0.3m Alluvium + frags. hA	4641W	3800N
		-80	<1	110	110	60	<20	<2												
600838	SA	-20	<1	100	30		<1											0.5-1.2m blue gr. and blue black sh., brecciated?; 0-0.5 alluv.	4629W	3800N
		-80	1	90	100	40	<20	<2												
600839	SA	-20	<1	100	30		<1											0-0.5m hA gravels - not to bedrock	4614W	3800N
		-80	<1	40	80	<20	<20	<2												
600840	SA	-20	<1	100	30		<1											0.4-0.8m blue gr. sh (as for 600838); 0-0.4m slope wash hA scree.	4598W	3800N
		-80	<1	60	50	40	<20	<2												
600841	SA	-20	3	30	30		<1											0.5m: cream br. and br. clays = A?; \bar{z} stone frags - scree?	4585W	3800N
		-80	<1	50	80	40	<20	<2												
600842	M	-20	<1	100	30		<1											gully draining A: hA rubble inek. (10m N of line)	4545W	3810N
		-80	<1	40	80	40	<20	<2												
600843	SA	-20	<1	30	30		<1											0.4m: yell. br. clay, rock frags. (A)	4623W	3908N
		-80	<1	100	70	20	<20	<2												
600844	SA	-20	<1	100	30		<1											0.2-1.2m: y. br. clay \bar{z} small stone frags - colluvial? A.	4650W	3910N
		-80	<1	80	70	40	<20	<2												
600845	SA	-20	<1	100	30		<1											0-1.0m as for 600844 (45m/153°M to gully bank)		
		-80	<1	170	70	60	<20	<2												
600846	SA	-20	<1	100	30		<1											as for 600844 in large tree roots.	4682W	3905N
		-80	<1	100	80	60	<20	<2												
600847	SA	-20	<1	100	30		<1											1.3m: khaki-grey clay (Ash?); kh. clay \bar{z} rock frags 0-1.3m	4690W	3900N
		-80	<1	70	50	40	<20	<2												
600848	SA	-20	<1	100	30		<1											0.4-1.3m pale green grey - blue grey - purple grey banded clay (= sh?); 0-0.4m mud flat scree.	4697W	3900N
		-80	<1	50	80	<20	<20	<2												
600849	SA	-20	1	100	<20		<1											0.2-0.3m d. br. to choc. clay - hard sh base; 0-0.2 mud/alluv.	4710W	3900N
		-80	1	10	20	20	<20	<2												
600850	SA	-20	3	30	<20		<1											0.2-0.3m wd. and light grey hard clay = sh.	4723W	3900N
		-80	<1	10	50	<20	<20	<2												
600851	SA	-20	10	30	<20		<1											0.1-0.3m hard cherty fig. banded light grey qtzitic sh.	4735W	3900N
		-80	<1	10	30	<20	<20	<2												
600852	SA	-20	3	100	<20		<1											0.2-0.4m: d. green g/wacke slst, wd. to d. br. mangan. clay; 0-0.2 mud flat alluv.	4747W	3900N
		-80	<1	20	20	20	<20	<2												
600853	SA	-20	1	100	<20		<1											0.2-0.3m: dk. brown Mn clay sh (as for 600852); 0-0.2 mud flat	4760W	3900N
		-80	<1	20	60	40	<20	<2												
600854	SA	-20	<1	100	<20		<1											0.2-0.3m: dk. br. Mn - strongly limonitic clay = sh; 0-0.2m all. mud flat.	4772W	3900N
		-80	<1	10	30	20	<20	<2												
600855	SA	-20	1	100	<20		<1											0.2-0.4m limon. light grey br. to pale gr. clay = sh; 0-0.2 alluv. mud flat.	4785W	3900N
		-80	<1	20	40	<20	<20	<2												
600856	SA	-20	<1	100	<20		<1											0.2-0.4m: wd. brown clay (= sh); 0-0.2m organics/alluv. mud.	4801W	3900N
		-80	<1	<2	10	<20	<20	<2												

PACMINEX PTX LTD. — SAMPLE DATA SHEET

AREA EL5370, Stanley River
 STATE TAS LOCATION Stanley Reward

PROSPECT NUMBER 600
 SHEET 7914 Pieman

DATE SAMPLED JAN 78
 SAMPLER P.M.M.

LABORATORY REPORT NO. _____
 ANALYTICAL METHOD _____

CONDITIONS: SAMPLE TYPE — M - Creek mud, S - Soil
SA - Soil Auger, RC - Drill Core,
RP - Percussion Chips
R - Rock
 ANALYSES: Please state element

ADDITIONAL _____

SAMPLE NUMBER	SAMPLE TYPE	APERTURE (mm)	CHEMICAL ANALYSES (ppm)														SUMMARY DESCRIPTION	LOCATION		
			Sn	Cu	Zn	Pb	Bi	Ag										E/W	LINE	
600857	SA	-20	1	100	100		<1											0.2-0.6m wd. light grey br. clay (= Sh); 0-0.2m organics/scree	4812W	3900N
		-80	1	10	20	20	<20	<2												
600858	SA	-20	3	100	<20		<1											0.1-1.2m Ns scree, Nclay/sand	4823W	3900N
		-80	3	<2	20	20	<20	<2												
600859	SA	-20	<1	30	<20		<1											0.2-0.6m : scree ± grey clay (sh?) towards base; 0-0.2m mud flat.	4835W	3900N
		-80	<1	10	10	20	<20	<2												
600860	SA	-20	<1	30	<20		<1											0.5-0.7 dR. blue grey silty Sh or slst ("black Sh"); 0-0.5m Ns scree	4855W	3900N
		-80	1	10	10	20	<20	<2												
600861	SA	-20	<1	30	<20		<1											0.7m : Ns scree, pale gr. br clayey slt.	4880W	3900N
		-80	1	20	40	20	<20	<2												
600862	SA	-20	1	30	<20		<1											0.2-0.3m - light grey brown clay (= Sh); 0-0.2m Ns scree	4932W	4000N
		-80	1	10	30	20	<20	<2												
600863	SA	-20	<1	10	<20		<1											0.2-0.5m blue black Shale ; 0-0.2m alluv./organics.	4911W	4000N
		-80	1	<2	<2	20	<20	<2												
600864	SA	-20	30	30	<20		<1											0.1-0.3m : d. grey clayey silt. (Ns)	4894W	4000N
		-80	1	<2	<2	<20	<20	<2												
600865	SA	-20	<1	30	<20		<1											0.1-0.4m : d. grey to black micaceous siltst. (Ns)	4883W	4000N
		-80	1	<2	10	20	<20	<2												
600866	SA	-20	<1	10	<20		<1											0.1-0.3m limon. yell. and grey clay (= Nsh?)	4868W	4000N
		-80	1	<2	10	<20	<20	<2												
600867	SA	-20	<1	30	<20		<1											0.1-0.5m : grey clay, yell. brown limon. wd. (= Sh)	4853W	4000N
		-80	1	10	10	20	<20	<2												
600868	SA	-20	<1	30	<20		<1											0.2-0.7m : as for 600 867	4837W	4000N
		-80	3	20	40	20	<20	<2												
600869	SA	-20	1	30	<20		<1											0.2-0.3m : pale br. gr. clay (= Sh); black shiny xals = biotite?	4821W	4000N
		-80	3	10	<2	<20	<20	<2												
600870	SA	-20	<1	100	<20		<1											0.3-1.0m : light gr. br. and limon. dk. br. clay (= Sh)	4807W	4000N
		-80	1	10	20	20	<20	<2												
600871	SA	-20	1	30	<20		<1											0.2-0.8m : pale y. br. grey clay (= Sh); black ? h Nsh scree 0-0.2m.	4796W	4000N
		-80	1	10	30	<20	<20	<2										- check hornfelsing.		
600872	SA	-20	1	30	<20		<1											0.2-0.4m : grey clay (= Sh); 0-0.2m = organics/mud flat.	4787W	4000N
		-80	3	10	60	<20	<20	<2												
600873	SA	-20	1	30	<20		<1											0.2-0.3m brown to limon. clay (= Sh?); 0-0.2 = alluv/mud flat.	4777W	4000N
		-80	1	10	40	<20	<20	<2												
600874	SA	-20	3	30	<20		<1											0.2-0.3 d. br. and limon. wd. Sh. ; 0-0.2m mud flat.	4765W	4000N
		-80	1	10	20	20	<20	<2												
600875	SA	-20	300	100	<20		<1											0.6 Calc-silicate Pebbles, brown clay - Int appearance (none seen on ML18-20, 3800N, 3900N but check Ca%). 0-0.6m mud/scree	4754W	4000N
		-80	3	20	20	20	<20	<2												
600876	SA	-20	100	30	<20		<1											0.2-0.4m : scree + d. br. limon. clay (= Sh) at base, 0-0.2m mud	4760W	4000N
		-80	1	10	20	<20	<20	<2												
600877	SA	-20	100	30	<20		<1											0-0.9m : mud, rock frags incl. black oolite white chert	4747W	4000N
		-80	1	20	60	20	<20	<2										- Not bottomed.		

PACMINEX PTX LTD. — SAMPLE DATA SHEET

AREA EL53/70 Stanley River
 STATE TAS LOCATION Stanley Reward

PROSPECT NUMBER 600
 1:100,000 SHEET 7914 Pieman

DATE SAMPLED JAN 78
 SAMPLER P.M.M.

LABORATORY REPORT NO. _____
 ANALYTICAL METHOD _____

CONDITIONS: SAMPLE TYPE — _____
 ANALYSES: _____
 M - Creek mud, S - Soil
 SA - Soil Auger, RC - Drill Core,
 RP - Percussion Chips
 R - Rock
 Please state element

ADDITIONAL _____

SAMPLE NUMBER	SAMPLE TYPE	APERTURE (mm)	CHEMICAL ANALYSES (ppm)																SUMMARY DESCRIPTION	LOCATION	
			Sn	Cu	Zn	Pb	Bi	Ag												EW	LINE
600878	SA	-20	30	30	<20		<1												0.3-1.2m clay incl. green br. micaceous(?) dolom. slst; 0-0.3m organic mud/scree.	4740W	4000N
		-80	10	10	80	20	<20	<2													
600879		-20	30	100	<20		<1												0.2-1.3m green/grey mud/clay, rock frags - Alluv. - mud flat.	4733W	4000N
		-80	1	30	50	20	<20	<2													
600880		-20	30	30	100		<1												0.2-1.0m As for 600879 - Possible micac. slst (Ca-Si?) base.	4727W	4000N
		-80	1	40	160	40	<20	<2													
600881		-20	100	30	300		<1												0-1.5m: khaki clay then gr. blk. & kh. clay, trace fibrous Ca-Si	4719W	4006N
		-80	1	140	500	140	<20	<2													
600882		-20	1	30	30		<1												1.2-1.4m red br. - yellow clay, stone frags, Ni/Ca-Si?; 0-1.2m dk. gr. & kh. clay & rounded stone frags.	4702W	3988N
		-80	<1	100	60	60	<20	<2													
600883		-20	<1	100	30		<1												0.5-1.3m deep red clay, rock frags - colluvial?; 0-0.5m kh. clay in gully bed.	4675W	3988N
		-80	<1	90	30	60	<20	<2													
600884		-20	<1	30	30		<1												0-1.4m kh. clay (A)	4683W	4100N
		-80	<1	30	30	20	<20	<2													
600885		-20	<1	30	30		<1												0-1.4m A - kh. clay + rock frags - colluv. or insitu?	4731W	4100N
		-80	<1	120	70	60	<20	<2													
600886		-20	<1	30	30		<1												0-1.1m gr. kh. clay; 1.1-1.5m yell. br. limon clay, fine rk. frags. (colluv. or insitu?)	4743W	4100N
		-80	<1	130	240	60	<20	<2													
600887		-20	1	30	30		<1												0-1.0m dk. gr. kh. clay, rock frags. hard base.	4749W	4100N
		-80	<1	50	60	40	<20	<2													
600888		-20	100	30	<20		<1												0-0.7m mud flat - d. gr. kh. clay sand. (green white Ca-Si slst forms a hard base?)	4757W	4100N
		-80	<1	10	30	20	<20	<2													
600889		-20	100	30	<20		<1												0-0.6m d. gr. kh. clay/sand + gr. kh. clay. Alluv. flat. hand base.	4763W	4100N
		-80	<1	90	80	60	<20	<2													
600890		-20	1	30	<20		<1												0-0.6m d. gr. kh. mud & white streaks near hard base (Ca-Si slst?)	4770W	4100N
		-80	1	10	50	20	<20	<2													
600891		-20	100	10	<20		<1												0-0.2m Alluv. brown sand/mud+gravel; Ca-Si micac. slst - base?	4777W	4100N
		-80	<1	<2	10	<20	<20	<2													
600892		-20	10	10	<20		<1												0-0.4m alluv. mud; 0.4-1.0m mixed alluv. + fine white micac. silt (Ca-Si?)	4785W	4100N
		-80	1	10	30	40	<20	<2													
600893		-20	1	10	<20		<1												0-0.8m Alluv. flat, rock frags, hard base.	4792W	4100N
		-80	<1	<2	<2	40	<20	<2													
600894		-20	<1	10	<20		<1												0-0.7m alluvials - br. clay + rock frags.	4799W	4102N
		-80	<1	10	20	<20	<20	<2													
600895		-20	1	10	<20		<1												0-0.2m organic/clay; 0.2-1.7m qtz rubble & Ns soil - not bottomed	4807W	4100N
		-80	<1	10	10	<20	<20	<2													
600896		-20	<1	10	<20		<1												0-0.7m: qtz + Ns frags (colluv.); 0.7-1.0m dk. gr. br. blk. micac. silty sh ("black shale")	4812W	4100N
		-80	<1	30	30	20	<20	<2													
600897		-20	1	30	100		<1												0-0.7m qtz + Ns colluvials (on flat) 0.7-0.9m f.g. white slst - brown clay (Ca-Si?)	4804W	4110N
		-80	<1	10	250	40	<20	<2													
600898		-20	10	10	<20		<1												0-0.2m horizontal/organic clay; 0.2-0.8m gr. br. soil + Ns frags - in situ?	4825W	4105N
		-80	<1	<2	10	<20	<20	<2													
600899		-20	<1	10	<20		<1												0-0.2m: organic/horiz. scrub. 0.2-0.5m Ns + soil - in situ?	4831W	4106N
		-80	<1	10	<2	20	<20	<2													

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

AREA STANLEY River
 STATE TAS LOCATION Stanley Reward

PROSPECT NUMBER 600
 SHEET 7914 Pieman

DATE SAMPLED JAN 78
 SAMPLER P.M.M.

LABORATORY REPORT NO. _____
 ANALYTICAL METHOD _____

CONDITIONS: SAMPLE TYPE - M - Creek mud, S - Soil
 SA - Soil Auger, RC - Drill Core,
 RP - Percussion Chips
 R - Rock
 Please state element

ADDITIONAL _____

SAMPLE NUMBER	TYPE	DEPTH (m)	CHEMICAL ANALYSES (ppm)														SUMMARY DESCRIPTION	LOCATION		
			Sn	Cu	Zn	Pb	Bi	Ag										EW	LINE	
600900	SA	-20	<1	10	<20		<1											0-0.2m treeroots/horog; 0.2m-0.6m Ns soil + dk. yell. br clay (=sh) base	4830W	4087N
		-80	1	10	<2	20	<20	<2												
600901	SA	-20	1	10	<20		<1											0-0.2m org/horog scrub; 0.2-0.4m Ns soil (light br. gr. slt.); 12m/210°		
		-80	1	<2	10	<20	<20	<2										from 600900S		
600902	SA	-20	1	10	<20		<1											0-0.2m org/horog; 0.2-0.5m light gr. br. Ns soil.	4850W	4090N
		-80	<1	10	10	<20	<20	<2												
600903	SA	-20	<1	10	<20		<1											0-0.1m org/horog scrub; 0.1-1.0m pale limon. gr. silty sh. (Nsh?)	4862W	4100N
		-80	<1	20	60	40	<20	<2												
600904	SA	-20	<1	10	<20		<1											0-0.2m org./horog scrub; 0.2-0.4m limon br silty clay (Nsh?)	4877W	4100N
		-80	<1	20	80	40	<20	<2												
600905	SA	-20	<1	10	<20		<1											0-0.4m: qtz/Ns scree; 0.4-0.8m grey + cream clay mixed (Nsh?)	4909W	4100N
		-80	<1	20	30	100	<20	<2												
600906	SA	-20	<1	10	<20		<1											0.2m limon. cream sh.	4922W	4100N
		-80	<1	20	40	40	<20	<2												
600907	SA	-20	<1	3	100		<1											0-0.3m Ns scree/horog scrub; 0.3-0.5m cream br. clay (=sh)	4930W	4150N
		-80	<1	10	290	280	<20	<2												
600908	SA	-20	<1	10	<20		<1											0-0.2 organic mud/horog scrub; 0.2-0.4m pale cream grey clay = sh.	4910W	4150N
		-80	<1	10	10	20	<20	<2												
600909	SA	-20	<1	10	<20		<1											0.1m: light cream br. clay (=sh).	4888W	4150N
		-80	<1	10	10	40	<20	<2												
600910	SA	-20	30	10	<20		<1											as for 600909	4880W	4150N
		-80	1	10	10	<20	<20	<2												
600911	SA	-20	10	10	<20		<1											0-0.4m: rock frags incl black oolite white chert (qtz); 0.4-0.7m dk. br. limon - Mn stained silty clay (=sh)	4858W	4150N
		-80	3	10	20	60	<20	<2												
600912	SA	-20	10	10	<20		<1											0-0.3m Ns scree - not to bedrock.	4845W	4150N
		-80	<1	10	10	20	<20	<2												
600913	SA	-20	<1	10	<20		<1											as for 600912	4837W	4154N
		-80	<1	10	<2	<20	<20	<2												
600914	SA	-20	<1	30	<20		<1											0.1m organics/ qtz rubble; 1.0 - yellow silty clay as for 600911?	4831W	4148N
		-80	<1	40	50	80	<20	<2												
600915	SA	-20	<1	30	100		<1											0-0.5m mud/gravels; 0.5-0.8m d. br. limon. Mn stained micac. pyritic silty clay	4822W	4150N
		-80	<1	40	250	60	<20	<2												
600916	SA	-20	<1	30	<20		<1											0-0.2m mud, then hard base - pale cream br. slst (check Ca)	4815W	4152N
		-80	<1	10	50	40	<20	<2												
600917	SA	-20	<1	10	<20		<1											0-0.3m org./horog scrub. 0.3-0.4m hard base - as for 600916 (Ca-slst?)	4804W	4150N
		-80	<1	<2	20	40	<20	<2												
600918	SA	-20	1000	10	<20		<1											0-0.2m mud flat; 0.2-0.9m: white and khaki, silty - as for 600916	4791W	4150N
		-80	<1	10	40	60	<20	<2												
600919	SA	-20	30	30	30		<1											0-0.3m: mud/khaki clay; 0.3-0.5m white & kh. silty clay (as for 600916)	4779W	4150N
		-80	<1	40	90	20	<20	<2												

PACMINEX PTX LTD. — SAMPLE DATA SHEET

AREA EL53/70 Stanley River
 STATE TAS LOCATION Stanley Reward

PROSPECT NUMBER 600
 1:100,000 SHEET 7914 Pieman

DATE SAMPLED JAN 78
 SAMPLER P.M.M.

LABORATORY REPORT NO. _____
 ANALYTICAL METHOD _____

CONDITIONS: SAMPLE TYPE — M - Creek mud, S - Soil
 SA - Soil Auger, RC - Drill Core,
 RP - Percussion Chips
 R - Rock
 Please state element

ADDITIONAL
Ns - Orned gztitic slst.
OC - black oolite white ch.

SAMPLE NUMBER	SAMPLE TYPE	DEPTH (MICROMETERS)	CHEMICAL ANALYSES (ppm)														SUMMARY DESCRIPTION	LOCATION		
			Sn	Cu	Zn	Pb	Bi	Ag											LINE	
600920	SA	-20	100	30	<20		<1											0-1.0 kh. clay (colluvial?); 1.0m fibrous Ca-Si in blue grey clay	4769W	4150N
		-80	<1	60	80	40	<20	<2												
600921	SA	-20	30	30	<20		10											0-0.4m khaki clay on flat (colluv. slump?)	4759W	4150N
		-80	<1	40	60	40	<20	<2												
600922	SA	-20	<1	3	<20		<1											0-0.4m kh. clay - colluv. slump?; 0.4m - white slst (Ca-Si?),	4750W	4152N
		-80	<1	30	30	20	<20	<2										traces Ca-Si fibres above 0.4m		
600923	SA	-20	30	30	<20		<1											0-1.8m kh. clay over white soft (Cu-Si) slst. - as for 600916.	4740W	4150N
		-80	<1	70	120	40	<20	<2												
600924	SA	-20	1	100	20		<1											As for 600923	4730W	4150N
		-80	<1	70	600	180	<20	<2												
600925	SA	-20	<1	100	30		<1											0-0.2 kh. clay, 0.2-2m blue grey clay, Ca-Si fragments in	4719W	4153N
		-80	<1	100	60	40	<20	<2										Places - not to a hard base?		
600926	SA	-20	<1	30	<20		<1											0-2m kh. clay, blue in places; red clay at base (A); no Ca-Si	4709W	4150N
		-80	<1	70	40	60	<20	<2										Seen: frags. black sh; slump?		
600927	SA	-20	<1	30	<20		<1											0-0.5m kh. clay; 0.5m deep red + kh. clay ± fine rock frags (A)	4685W	4150N
		-80	<1	90	30	60	<20	<2												
600928	SA	-20	<1	10	<20		<1											0-0.5m mottled red-yellow br. clay - A: colluvial or in situ?	4667W	4160N
		-80	<1	70	60	100	<20	<2												
600929	SA	-20	<1	3	<20		<1											0-0.1 organics; 0.1-0.3m Ns soil - pale br. gr. silt.	4889W	4200N
		-80	<1	10	<2	<20	<20	<2												
600930	SA	-20	10	3	<20		<1											0-0.2m org./horiz. scrub/Ns scree; 0.2-0.3 gtz, Ns frags + black oolite	4871W	4200N
		-80	<1	<2	10	<20	<20	<2										(OC) white chert - near in situ?		
600931	SA	-20	<1	10	<20		<1											0-0.6m: horiz. scrub frags black oolite white chert (OC); 0.6-1.0m white	4858W	4200N
		-80	<1	20	40	60	<20	<2										clay sh (Nsh? - check Ca)		
600932	SA	-20	<1	3	<20		<1											0-0.6m: horiz. scrub/mudflat: 0.6-1.0m band br. and white silty clay	4848W	4210N
		-80	<1	<2	80	20	<20	<2										(check Ca-Si slst?)		
600933	SA	-20	<1	30	<20		<1											0-1.0m: mud flat/horiz. 1-1.2m wd. white and kh. to br. silty clay (as for	4836W	4200N
		-80	<1	20	120	80	<20	<2										600932 and elsewhere to S. of this Wasting: Check Ca-Si.		
600934	SA	-20	1	10	<20		<1											0-0.5m: mud flat/horiz.; 0.5-0.6m bedrock - white slst (as for	4823W	4200N
		-80	<1	10	70	40	<20	<2										600932)		
600935	SA	-20	1	10	<20		<1											0-0.4m: mud flat-ditto; 0.4m-0.5m white and br. soft slst as for 600932	4813W	4200N
		-80	<1	10	50	40	<20	<2										Ca-Si?		
600936	SA	-20	300	30	<20		<1											0-0.3m: mud flat; 0.3-0.4m - bedrock - white slst as above.	4803W	4200N
		-80	<1	20	20	40	<20	<2												
600937	SA	-20	100	10	<20		<1											0-0.2m mud flat; 0.2- hard base - as above (Ca-Si?) white silty	4790W	4200N
		-80	<1	10	30	40	<20	<2										clay.		
600938	SA	-20	1	3	<20		<1											0-0.3 mud then soft white slst. (as above - Ca-Si?)	4778W	4200N
		-80	<1	10	40	20	<20	<2												
600939	SA	-20	<1	10	<20		<1											Sub outcrop Chert - Ca-Si - rubble	4768W	4200N
		-80	<1	10	60	<20	<20	<2												
600940	SA	-20	30	10	<20		<1											Chert - Ca-Si rubble rise, limonitic; little soil.	4760W	4200N
		-80	<1	10	120	40	<20	<2												
600941	SA	-20	10	10	<20		<1											0-0.3m limon. br. Ca-Si rock ± fibrous Ca-Si minerals	4754W	4200N
		-80	<1	20	50	20	<20	<2												

PACMINEX PTY LTD. — SAMPLE DATA SHEET

AREA STANLEY River EL53/70 PROSPECT NUMBER 600
 STATE TAS LOCATION STANLEY REWARD SHEET 7914 Pieman

DATE SAMPLED JAN 78
 SAMPLER P.M.M. + D.J. Crossing

LABORATORY REPORT NO. _____
 ANALYTICAL METHOD _____

CONDITIONS: SAMPLE TYPE — M - Creek mud, S - Soil
 SA - Soil Auger, RC - Drill Core, RP - Percussion Chips
 ANALYSES: R - Rock Please state element

ADDITIONAL A = Crimson CK Argillite
Ns-qtzitic Donah slst.

SAMPLE NUMBER	SAMPLER TYPE	APERTURE (mm) / SIEVE / MICRONS	CHEMICAL ANALYSES (ppm)														SUMMARY DESCRIPTION	LOCATION		
			Sn	Cu	Zn	Pb	Bi	Ag										E/W	LINE	
600942	SA	-20	30	30	<20		3											0-0.2m mud flat; 0.2-hard base - Ca Si radiating Xals.	4742W	4200N
		-80	<1	20	40	20	<20	<2												
600943	SA	-20	100	100	30		<1											0-1.5m mud, gr. kh ± rk frags; 1.5m hard base - white? Ca Su ± d. green grey banded slst.	4733W	4200N
		-80	<1	80	190	40	<20	<2												
600944	SA	-20	100	30	<20		<1											0-0.3m : mud/rk frags / horoz. scrub; 0.3- bedrock : dk. green. grey and cream / fibrous Ca Su slst. (as for 600943)	4722W	4200N
		-80	<1	40	60	40	<20	<2												
600945	SA	-20	<1	30	<20		<1											0-1.3m : kh. clay, rk frags; 1.3-1.5m : grey black clay.	4713W	4200N
		-80	<1	80	40	40	<20	<2												
600946	SA	-20	<1	100	<20		<1											0-1.5m kh. clay (A); 1.5m kh. clay ± streaks of grey, orange - not bottomed.	4698W	4200N
		-80	<1	50	60	40	<20	<2												
600947	SA	-20	<1	3	<20		<1											0-0.8m, yell. clay, limon blebs; Ns qtzite (scree?) from 0.5m	4936W	4250N
		-80	<1	20	30	40	<20	<2												
600948	SA	-20	1	10	<20		<1											0-0.5m : mud flat / horoz. scrub : Ns qtzitic (scree?) / bedrock?	4918W	4250N
		-80	<1	20	40	40	<20	<2												
600949	SA	-20	30	10	30		<1											0-0.5m : qtz, Ns rubble; Ns and black pyr. Nsh bedrock.	4906W	4250N
		-80	<1	30	140	80	<20	<2												
600950	SA	-20	<1	30	<20		<1											0-0.3 : mud/gravel; 0.3-0.6m : brown shaley slst?	4894W	4250N
		-80	<1	20	30	80	<20	<2												
600951	SA	-20	<1	10	<20		<1											0.6m : mud / qtzitic Ns rubble over br. slst - bedrock?, traces mica.	4883W	4250N
		-80	<1	10	20	<20	<20	<2												
600952	SA	-20	10	10	30		<1											mud to 0.4m, then white soft silty sh.	4871W	4250N
		-80	<1	10	30	20	<20	<2												
600953	SA	-20	<1	3	<20		<1											0.1m	4856W	4250N
		-80	<1	10	110	60	<20	<2												
600954	SA	-20	10	30	<20		<1											0.5m bedrock(?)	4846W	4250N
		-80	<1	10	90	40	<20	<2												
600955	SA	-20	3	10	300		<1												4831W	4250N
		-80	<1	20	950	100	<20	<2												
600956	SA	-20	1000	10	<20		<1											1.0m of mud / qtzite, black sh frags, to pyritic veined slst	4827W	4250N
		-80	2000	20	120	100	<20	<2												
600957	SA	-20	3000	30	<20		<1											0.4m med. gr. qtz + sand on white slst (Ca Su slst?).	4818W	4250N
		-80	<1	10	30	<20	<20	<2												
600958	SA	-20	10	30	<20		<1											0.6m : as for 600957.	4807W	4250N
		-80	<1	10	30	20	<20	<2												
600959	SA	-20	10	30	<20		<1											1.0m of clay / sand on white, pyritic? slst?	4798W	4250N
		-80	<1	20	50	<20	<20	<2												
600960	SA	-20	10	30	<20		<1											1m : as for 600957	4780W	4250N
		-80	<1	10	30	60	<20	<2												
600961	SA	-20	100	30	<20		<1											0.4m dark mud ± white clay / silt blebs (Ca Si slst?)	4767W	4250N
		-80	10	10	30	<20	<20	<2												

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

AREA EL53/70 Stanley River
 STATE TAS LOCATION Stanley Reward

PROSPECT NUMBER 600
 1:100,000 SHEET 7914 Pieman

DATE SAMPLED Feb '78
 SAMPLER D.J. CROSSING

LABORATORY REPORT NO. _____
 ANALYTICAL METHOD _____

CONDITIONS: SAMPLE TYPE — M - Creek mud, S - Soil
 SA - Soil Auger, RC - Drill Core,
 RP - Percussion Chipt
 R - Rock
 ANALYSES: Please state element

ADDITIONAL A - Crimson CK Argillite

SAMPLE NUMBER	SAMPLE TYPE	ANALYTICAL METHOD (NUMBER)	CHEMICAL ANALYSES (ppm)																SUMMARY DESCRIPTION	LOCATION	
			Sn	Cu	Zn	Pb	Bi	Ag										E/W		LINE	
600962	SA		-20	1	10	<20		<1											0.5m of mud flat gravels, incl CaSi frags on white slst (as for 600957)	4758W	4250N
			-80	<1	20	30	20	<20	<2												
600963	SA		-20	30	30	<20		<1											0.5m r&f frags / mud on yell. / white f.g. slst ± CaSi fibres.	4750W	4250N
			-80	<1	20	60	20	<20	<2												
600964	SA		-20	10	30	<20		<1											0.5m as for 600963.	4740W	4250N
			-80	<1	30	90	40	<20	<2												
600965	SA		-20	<1	10	<20		1											0.4m : As for 600963 - bedrock not sampled.	4733W	4250N
			-80	<1	40	80	60	<20	<2												
600966	SA		-20	<1	30	<20		<1											Top 0.5m yellow clay ± horfels frags; 0.5-1m yellow gr. clay, ± white frags	4721W	4250N
			-80	<1	110	170	80	<20	<2										? CaSi, blue frags; 1-1.4m yellow clay, gr. br. lenses (just above flat) - A?		
600967	SA		-20	<1	30	<20		<1											1.3m red limonitic (laterite?), hA frags; to a stony layer.	4711W	4250N
			-80	<1	70	40	40	20	<2												
600968	SA		-20	<1	100	<20		1											1.4m yellow br. clay, hA frags - colluvial?	4686W	4245N
			-80	<1	160	100	60	20	<2												
600969	SA		-20	<1	100	30		<1											1.5m, in gully : 0-1.1m kh. and bl. grey clay; 1.1-1.5m light and dk. bl. layered clay. possibly residual.	4670W	4255N
			-80	<1	230	50	100	<20	<2												
600970	SA		-20	<1	30	<20		<1											1.5m, in gully, kh. clay ± frags. blue and green.	4653W	4255N
			-80	<1	70	80	40	<20	<2												
600971	SA		-20	<1	30	<20		<1											1.5m, in gully, kh. clay ± dk. bl. lenses, and small blebs of white and green chips.	4640W	4251N
			-80	<1	90	80	60	<20	<2												

055039

PACMINEX PTY LTD. — SAMPLE DATA SHEET

AREA EL53/70 Stanley River
 STATE TAS LOCATION Stanley Reward

PROSPECT NUMBER 600
 1:100,000 SHEET 7914 Pieman

DATE SAMPLED Feb 78
 SAMPLER D.J. Crossing

LABORATORY REPORT NO. _____
 ANALYTICAL METHOD _____

IONS: SAMPLE TYPE — M - Creek mud, S - Soil
 SA - Soil Auger, RC - Drill Core,
 RP - Percussion Chips
 R - Rock
 ANALYSES: Please state element

ADDITIONAL _____

SAMPLE NUMBER	SAMPLE TYPE	APERTURE (SERIES/MICROMETER)	CHEMICAL ANALYSES (ppm)																SUMMARY DESCRIPTION	LOCATION	
			Sn	Cu	Zn	Pb	Bi	Ag										E/W		LINE	
600972	SA	-20	<1	30	<20		<1											0.4m, in base of overturned tree; yellow br. clay	4613W	4350N	
		-80	<1	140	70	60	<20	<2													
600973	SA	-20	<1	30	<20		<1											1.5m, in gully: yell. br. clay, hA fragments (colluvial?) on khaki clay.	4650W	4360N	
		-80	<1	190	210	40	<20	<2										(residual?)			
600974	SA	-20	<1	10	<20		<1											1.5m yell. br. clay + hA frags - colluvial?	4665W	4350N	
		-80	<1	140	120	60	<20	<2													
600975	SA	-20	<1	30	<20		<1											To 0.3 yell. clay; To 0.7 kh. clay; To 1.1 kh. clay, blue clay ± orange & white	4680W	4350N	
		-80	<1	140	100	60	<20	<2										blebs; to 1.5m yell. clay/gravels ± orange chert frags.			
600976	SA	-20	<1	10	<20		<1											To 0.7m y. br. clay; To 1.1m kh. & blue clay; to 1.5 y. br. clay + hA frags	4689W	4350N	
		-80	<1	120	90	40	<20	<2										- Un bottomed.			
600977	SA	-20	<1	10	<20		<1											To 0.7 y. br. clay, kh lenses; To 1.2m kh./blue clay; 1.2-1.5m pale blue	4710W	4350N	
		-80	<1	50	110	40	<20	<2										and green clay - residual?			
600978	SA	-20	<1	30	30		<1											0-1m: kh./blue clay; 1-1.5m blue & br. clay.	4722W	4350N	
		-80	<1	90	280	60	<20	<2													
600979	SA	-20	1,000	30	<20		<1											1.5m blue and yellow kh. clay.	4728W	4350N	
		-80	<1	60	50	60	<20	<2													
600980	SA	-20	<1	30	<20		<1											0-1.5m kh & blue clay, ± CaSi fragments at 0.9m.	4740W	4350N	
		-80	<1	130	80	40	<20	<2													
600981A	SA		30	10	<20		<1											0-0.9m br. mud; 0.9-1.4m mud/gravel ± CaSi fragments, qtz vein	4751W	4350N	
			<1	20	30	40	<20	<2										frags; 1.4-1.5m blue/kh clay ± pale blue inclusions.			
600981B			30	30	<20		<1														
			<1	60	50	20	<20	<2													
600982	SA	-20	1	30	30		<1											0-1.5m soft clay, CaSi fragments; bottom dark grilly clay ±	4760W	4350N	
		-80	<1	130	240	60	<20	<2										CaSi fibres.			
600983	SA	-20	100	30	<20		<1											0-1m clay ± brown "semi-fibrous" rock frags, gravels; white/grey	4773W	4350N	
		-80	<1	30	70	60	<20	<2										fg. bedrock (CaSi slst?)			
600984	SA	-20	100	10	<20		<1											0.6m - as for 600983.	4782W	4350N	
		-80	<1	10	20	20	<20	<2													
600985	SA	-20	<1	10	<20		<1											0.8m sandy clay ± pyritic sh/slst; bedrock pyr. black sh.	4797W	4350N	
		-80	<1	20	20	<20	<20	<2													
600986	SA	-20	<1	10	<20		<1											1.3m clay/br. white? CaSi "semi-fibrous"; bedrock brown/orange	4806W	4350N	
		-80	<1	20	70	40	<20	<2										slst.			
600987	SA	-20	30	30	<20		<1											1.2m bedrock orange qtzite overlain by grey clay.	4816W	4350N	
		-80	<1	10	30	20	<20	<2													
600988	SA	-20	30	10	<20		<1											0.8m grey clay, qtzite frags over white/orange qtzite.	4829W	4350N	
		-80	<1	10	40	20	<20	<2													
600989	SA	-20	300	10	<20		<1											0.8m clay, 0.8-0.9m white sand; bedrock white qtzite.	4840W	4350N	
		-80	<1	10	30	20	<20	<2													
600990	SA	-20	100	10	<20		<1											0.9m clay then qtz sand + frags qtzite, sh; bedrock white qtzite.	4852W	4350N	
		-80	<1	10	20	20	<20	<2													
600991	SA	-20	10	3	<20		<1											0.8m clay, then qtzite gravel; bedrock white qtzite.	4864W	4350N	
		-80	<1	10	30	60	<20	<2													
600992	SA	-20	<1	3	<20		<1											0.3m sand, clay qtzite frags; white slst at 0.3m.	4876W	4350N	
		-80	<1	10	40	40	<20	<2													

PACMINEX PTX LTD. — SAMPLE DATA SHEET

AREA EL 53/70, Stanley River
 STATE TAS LOCATION STANLEY REWARD

PROSPECT NUMBER 600
 1:100,000 SHEET 7914 Pieman

DATE SAMPLED Feb 78
 SAMPLER D. Crossing

LABORATORY REPORT NO. _____
 ANALYTICAL METHOD _____

CONDITIONS: SAMPLE TYPE — M - Creek mud, S - Soil
SA - Soil Auger, RC - Drill Core,
RP - Percussion Chips
R - Rock
 ANALYSES: Please state element

ADDITIONAL _____

SAMPLE NUMBER	SAMPLE TYPE	APPROXIMATE GRAIN SIZE (MICRONS)	CHEMICAL ANALYSES (ppm)																SUMMARY DESCRIPTION	LOCATION	
			Sn	Cu	Zn	Pb	Bi	Ag										E/W		LINE	
600993	SA	-20 -80	1.00 <1	1.0 1.0	<2.0 5.0		4.0	<2.0	<2									0.7m sand/clay, qtzite/sh. gravel on white qtzite.	4888W	4350N	
600994	SA	-2.0 -8.0	3.0 <1	1.0 1.0	<2.0 2.0		4.0	<2.0	<2									clay to 0.3, then qtz gravel to 0.5m, then orange, white qtzite.	4901W	4350N	
600995	SA	-2.0 -8.0	3.0 <1	1.0 1.0	<2.0 2.0		2.0	<2.0	<2									clay, sand to 0.5m, then qtz gravel to 0.7m, then white radiating Ca-Si - bedrock.	4912W	4350N	
600996	SA	-2.0 -8.0	<1 <1	3 1.0	3.0 1.5		3.0	<2.0	<2									clay, sand to 0.5m, then qtz and talc rk fragments (CaSi) to 1.2m, then calcite + bedrock grey orange rock (qtz in fine white/orange matrix)	4925W	4350N	
600997	SA	-2.0 -8.0	<1 <1	3 1.0	<2.0 2.0		4.0	<2.0	<2									sandy clay to 0.7m, then slt; unbottomed at 1.6m in fine gr. white slt. (CaSi?)	4937W	4350N	
600998	SA	-2.0 -8.0	<1 <1	3 1.0	<2.0 2.0		<2.0	<2.0	<2									1.6m clay, qtzite frags to grey clay + frags of (?) black sh + red soil	4950W	4350N	
600999	SA	-2.0 -8.0	1.0 <1	1.0 1.0	<2.0 3.0		<2.0	<2.0	<2									0.6m qtz, qtzite and black oolite white chert scree	4962W	4350N	

PACMINEX PLY LTD. — SAMPLE DATA SHEET

AREA EL5370 Stanley River
 STATE TAS LOCATION Stanley Reward

PROSPECT NUMBER 600
 SHEET 7914 Pieman

DATE SAMPLED Feb 78
 SAMPLER D. Crossing

LABORATORY REPORT NO. _____
 ANALYTICAL METHOD _____

CONDITIONS: SAMPLE TYPE — M - Creek mud, S - Silt
 SA - Soil Auger, RC - Drill Core,
 RP - Percussion Chips
 R - Rock
 ANALYSES: Please state element

ADDITIONAL _____

SAMPLE NUMBER	SAMPLE TYPE	DEPTH (meters)	CHEMICAL ANALYSES (ppm)														SUMMARY DESCRIPTION	LOCATION		
			Sn	Cu	Zn	Pb	Bi	Ag										EW	N LINE	
600.1000	SA	-20	1	3	100		<1											0.9m white/pale orange slst. bedrock; overlain by scree.	4950W	4450N
		-80	3	20	330	100	<20	<2												
600.1001	SA	-20	30	3	<20		<1											0.9m to white/orange qtzite, overlain by qtzite frags, sand, gr. clay	4936W	4450N
		-80																		
600.1002	SA	-20	300	10	<20		<1											0.7m As for 600.1000.	4925W	4450N
		-80																		
600.1003	SA	-20	300	30	<20		<1											1.0m As for 600.1000.	4912W	4450N
		-80																		
600.1004	SA	-20	300	30	<20		<1											0.9m clay ± shale frags; bedrock orange qtzite.	4900W	4450N
		-80																		
600.1005	SA	-20	100	30	<20		<1											1m gr. br. clay on white qtzite.	4897W	4450N
		-80																		
600.1006	SA	-20	1000	10	<20		<1											0.6m gr. clay on white qtzite.	4875W	4450N
		-80																		
600.1007	SA	-20	1000	30	<20		3											0.9m gr. br. clay on white/orange slst.	4862W	4450N
		-80																		
600.1008	SA	-20	30	30	<20		<1											0-0.5m br. clay, 0.5-1.5m pure white and orange qtz sand	4850W	4450N
		-80																		
600.1009	SA	-20	1000	30	<20		<1											1.6m grey clay; qtzite frag. at 1.0m.	4835W	4450N
		-80																		
600.1010	SA	-20	30	10	<20		<1											1.6m clay, slst frags; unbottomed in orange silt.	4828W	4450N
		-80																		
600.1011	SA	-20	30	30	30		10											1m clay to orange/brown rock.	4819W	4450N
		-80																		
600.1012	SA	-20	3	30	30		10											1.5m - As for 600.1011	4810W	4450N
		-80																		
600.1013	SA	-20	300	10	<20		<1											1.3m Ca-Si bedrock? overlain by Ca-Si gravels, mud.	4801W	4450N
		-80																		
600.1014	SA	-20	100	30	<20		<1											1.5m brown mud ± frags limon. slst & dolomite?	4785W	4450N
		-80																		
600.1015	SA	-20	30	30	<20		<1											0.5m d. br. mud/gravels to sugary (?) dolomite bedrock.	4775W	4450N
		-80																		
600.1016	SA	-20	100	100	30		<1											1.4m in grey sticky clay (unbottomed)	4765W	4450N
		-80																		
600.1017	SA	-20	<1	100	<20		1											1.5m to blue clay ± green lenses; residual? base of Mt. Lindsay slope.	4755W	4450N
		-80																		
600.1018	SA	-20	<1	30	<20		<1											1.5m, unbottomed in blue, red, orange & yellow clay	4742W	4450N
		-80																		
600.1019	SA	-20	<1	100	<20		<1											1.5m unbottomed in red hematitic clay ± yell. and Rh. patches.	4727W	4450N
		-80																		
600.1020	SA	-20	<1	100	<20		<1											1.5m as for 600.1019.	4707W	4450N
		-80																		
600.1021	SA	-20	10	100	30		<1											1.5m in sugary white fine sst(?) in orange clay ± whitemica throughout.	4684W	4450N
		-80																		

055042

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

AREA EL5370 Stanley River
 STATE TAS LOCATION Stanley Reward

PROSPECT NUMBER 600
 1:100,000 SHEET 7914 Pleman

DATE SAMPLED Feb 78
 SAMPLER DJ Crossing

LABORATORY REPORT NO. _____
 ANALYTICAL METHOD _____

NOTATIONS: SAMPLE TYPE — M - Creek mud, S - Soil
 SA - Soil Auger, RC - Drill Core,
 RP - Percussion Chips
 R - Rock
 ANALYSES: Please state element

ADDITIONAL _____

SAMPLE NUMBER	TYPE	DEPTH (m)	CHEMICAL ANALYSES (ppm)														SUMMARY DESCRIPTION	LOCATION		
			Sn	Cu	Zn	Pb	Bi											EW	LINE	
6001022	SA	-20	3	1.00	<20		<1											1.5m unbottomed in dense orange/yell. clay/gravel ± limon. pebbles	4665W	4450N
6001023	SA	-20	<1	1.00	<20		<1											1m yellow clay, horfels frags (hA?)	4639W	4450N
6001024	SA	-20	<1	1.00	<20		<1											1.5m in khaki clay, unbottomed.	4616W	4450N
6001025	SA	-20	<1	1.0	<20		<1											1.5m - as for 6001024	4627W	4450N
6001026	SA	-20	<1	1.00	<20		<1											In gully, 1.5m to grey blue clay overlain by yellow clay ± hA frags.	4647W	4455N
6001027	SA	-20	<1	1.00	30		<1											1.5m khaki clay.	4665W	4450N
6001028	SA	-20	1	30	<20		<1											0-1.2m blue grey gravel, mud; 1.2-1.5m orange, pink & white laminated clay (=Sh)	4676W	4450N
6001029	SA	-20	<1	30	20		<1											1.5m brown clay, hA "pebbles."	4686W	4450N
6001030	SA	-20	<1	1.0	<20		<1											1.5m As for 6001029.	4698W	4450N
6001031	SA	-20	1	1.0	<20		<1											In gully. 1.5m blue grey khaki clay.	4698W	4446N
6001032	SA	-20	<1	30	<20		1											1.5m Pebbly clay As for 6001029.	4717W	4450N

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

AREA EL53/70 Stanley River
 STATE Tas LOCATION Stanley
Reward

PROSPECT NUMBER 600
 1:100,000 SHEET 7914 Pieman

DATE SAMPLED Feb 78
 SAMPLER D. Crossing

LABORATORY REPORT NO. _____
 ANALYTICAL METHOD _____

CONDITIONS: SAMPLE TYPE — M - Creek mud, S - Soil
 SA - Soil Auger, RC - Drill Core,
 RP - Percussion Chips
 R - Rock
 ANALYSES: Please state element

ADDITIONAL _____

SAMPLE NUMBER	SAMPLE TYPE	DEPTH (M)	CHEMICAL ANALYSES (ppm)														SUMMARY DESCRIPTION	LOCATION		
			Sn	Cu	Zn	Pb	Bi											W	N	
6001033	SA	-20	<1	30	<20		<1											0-1.1m kh. clay, 1.1-1.7m orange, black and brown streaked clay ± limon. (A)	4625W	4650N
6001034	SA	-20	<1	10	<20		1											0-1.2 grey clay; 1.2-1.6m orange qtz sand, granite pebbles; 1.6m- unbottomed in white and orange sand, qtz, mica (granitic)	4638W	4650N
6001035	SA	-20	<1	10	<20		<1											1.7m. As for 6001034.	4652W	4650N
6001036	SA	-20	<1	10	30		<1											1.7m grey clay, brown patches (=sh) - A	4664W	4650N
6001037	SA	-20	<1	30	30		<1											1.7m blue grey clay (=Ash?) overlain by green/grey/blue clay.	4681	4650N
6001038	SA	-20	10	10	100		3											1.7m grey green clay ± black, brown patches, white specks overlain by orange br. clay.	4692W	4650N
6001039	SA	-20	3	30	30		3											1.7m light gr. clay ± grey sst (As).	4713W	4650N
6001040	SA	-20	1	30	30		<1											1.7m grey clay, white sst at 1.0m.	4724W	4650N
6001041	SA	-20	100	30	30		<1											0.7m white/orange CaSi sst overlain by gravel	4734W	4650N
6001042	SA	-20	10	30	30		1											1.5m CaSi sst overlain by black mud, qtz frags.	4743W	4650N
6001043	SA	-20	30	10	<20		<1											0.9m dolomite bedrock overlain by green grey mud, dolom. boulders.	4753W	4650N
6001044	SA	-20	100	10	<20		<1											1.0m dolomite bedrock overlain by black mud, qtz & CaSi fragments.	4763W	4650N
6001045	SA	-20	30	30	30		<1											1.6m unbottomed, on granitic sand? (not bedrock?), overlain by mud, granite and qtzite gravels.	4774W	4650N
6001046	SA	-20	100	30	30		<1											1.6m unbottomed, black mud + (?) dolomite frags, overlain by granite gravels.	4786W	4650N
6001047	SA	-20	300	10	30		<1											0.9m: boulder base or bedrock? under black mud, granitic gravels.	4797W	4650N
6001048	SA	-20	30	30	30		<1											1.1m? bedrock white "arenite" (as for 6001045, 1047?), overlain by granitic gravels/mud.	4812W	4650N
6001049	SA	-20	300	10	<20		<1											0.6m - bottomed in granitic gravels etc.	4824W	4650N
6001050	SA	-20	100	10	30		<1											1.3m bedrock of white sst overlain by mud, gravels incl granitic.	4835W	4650N
6001051	SA	-20	100	3	<20		<1											1.4 m in (?) boulders?, overlain by granitic sand, grvls etc - old sluicing area?	4841W	4650N
6001052	SA	-20	1000	10	<20		<1											1.6 to? bedrock white? sst, overlain by granite grvls and mud; sluiced?	4850W	4663N
6001053	SA	-20	1000	30	100		10											Sluiced? 1.7m in grey clay ± bands white sandy soil (sst?), pyrite in clay; granite grvls + mica above in grvls.	4862W	4670N

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

AREA EL53/70 Stanley River

PROSPECT NUMBER 600
 1:100,000 SHEET 7914 Pieman

DATE SAMPLED Feb '78
 SAMPLER D. CROSSING

LABORATORY REPORT NO. _____
 ANALYTICAL METHOD _____

CONDITIONS: SAMPLE TYPE — M - Creekmud, S - Soil
 SA - Soil Auger, RC - Drill Core,
 RP - Percussion Chips
 R - Rock
 ANALYSES: Please state element

ADDITIONAL _____

SAMPLE NUMBER	SAMPLE TYPE	DEPTH (cm)	CHEMICAL ANALYSES (ppm)														SUMMARY DESCRIPTION	LOCATION		
			Sn	Cu	Zn	Pb	Bi											E/W	LINE	
600.1054	SA	-20	1.0	1	<20		<1											1.4m granitic boulders overlain by granite + quartzite grvls + clay	4990W	4650N
600.1055	SA	-20	1.0	1	<20		<1											1.7m in c.g. granitic sand, overlain by grey silts and clay.	4982W	4650N
600.1056	SA	-20	1.000	1	<20		<1											1.7m in granitic sand, gran. + quartzite grvls. overlain by black silt + grvls.	4968W	4650N
600.1057	SA	-20	3.00	1.0	30		<1											1.7m As for 600 1056.	4957W	4650N
600.1058	SA	-20	1.0	3	<20		<1											1.7m unbottomed, in white, sl. silty clay (1m) overlain by grey clay	4943W	4650N
600.1059	SA	-20	3	3	<20		<1											1.7m unbottomed in orange/grey clay (0.6m) overlain by grey clay	4931W	4650N
600.1060	SA	-20	1.0	1	<20		<1											1.7m unbottomed in grey sandy clay overlain by orange and grey silty clay	4918W	4650N
600.1061	SA	-20	1.000	1.0	<20		<1											1.7m unbottomed in coarse granitic sand under m.g. granitic sand in Stanley R. bank.	4906W	4650N
600.1062	SA	-20	3.00	3	<20		<1											1.6m unbottomed in alluv. granite grvls, shete overlain by ferrug. orange br. clay under grey silty clay	4892W	4650N
600.1063	SA	-20	1.0	1	<20		<1											1.7m unbottomed in grey/light brown silty clay under grey clay	4884W	4650N
600.1064	SA	-20	3	1	<20		<1											1.7m unbottomed in grey sandy clay, under 0.2m Alluv. granitic pebbles under black mud/grvls.	4876W	4650N
600.1065	SA	-20	3.00	1.0	<20		<1											1.7m unbottomed in black mud overlain by orange sand, granite + quartzite grvls - base sample.	4868W	4650N
600.1065B																		0.5-1.6m - gravels, sand. overlain by 0.5m boulder horizon		

PACMINEX PTY LTD. — SAMPLE DATA SHEET

AREA EL53/70 Stanley River
 STATE TAS LOCATION Stanley
Reward

PROSPECT NUMBER 600
 SHEET 7914 Pieman

DATE SAMPLED Feb 78
 SAMPLER D. Crossing

LABORATORY REPORT NO. _____
 ANALYTICAL METHOD _____

CONDITIONS: SAMPLE TYPE — M - Creekmud, S - Soil
 SA - Soil Auger, RC - Drill Core,
 RP - Percussion Chips
 R - Rock
 ANALYSES: Please state element

ADDITIONAL _____

SAMPLE NUMBER	SAMPLE TYPE	APERTURE (MESH/MICRONS)	CHEMICAL ANALYSES (ppm)																SUMMARY DESCRIPTION	LOCATION	
			Sn	Cu	Zn	Pb	Bi													EW	LINE
6001066	SA	-20 -80	<1	1.0	<20														0-0.5 black mud, 0.5-1.2m grvls; 1.2-1.7m black mud - unbottomed.	5025W	4700N
6001067	SA	-20 -80	1.000	1.0	30														1.2m ? bedrock white slst & green xals (Ca-Si?), overlain by fine grvls (granitic) + mud.	5012W	4700N
6001068	SA	-20 -80	300.0	3.0	<20														0.7m ? bedrock brown ? qtzite or Ca-Si slst, overlain by granitic + qtzite grvls in black mud.	4988W	4700N
6001069	SA	-20 -80	1.000	1.0	<20														0.7m : grvls - slst, qtzite, granite	4976W	4700N
6001070	SA	-20 -80	300	1.0	<20														1.7m unbottomed in black mud, narrow clay band.	4964W	4700N
6001071	SA	-20 -80	1.0	1.0	<20														1.7m unbottomed in med/f. angular qtz, qtzite under 1.5m sandy clay	4951W	4700N
6001072	SA	-20 -80	3	1	<20														1.7m unbottomed in mud & frags br/grey slst - near bedrock?	4941W	4700N
6001073	SA	-20 -80	100	1.0	<20														1.7m - bedrock? white slst under 0.3m dark grey slst frags under 0.5m clay under mud.	4927W	4700N
6001074	SA	-20 -80	1.0	1.0	<20														1.7m unbottomed in grey clay (0.5m) under mud.	4916W	4700N
6001075	SA	-20 -80	3	3	<20														1.7m unbottomed in light grey fine sand (0.4m) under grey silty clay	4903W	4700N
6001076	SA	-20 -80	3	3	<20														1.7m unbottomed in light orange/grey clay under 0.9m grey clay, mud.	4895W	4700N
6001077	SA	-20 -80	300.0	1	<20														2.7m (in pit) unbottomed in fine grey sand (1m), under clay/mud.	4885W	4700N
6001078	SA	-20 -80	300	1.0	<20														2.6m (bank of Stanley R) below ground: coarse qtz, granite sand in grey silt.	4878W	4700N
6001079	SA	-20 -80	1.00	3	30														2.5m pit gravel incl qtz, slst, Ca Si & Fe ₂ , granite.	4895W	4970N
6001080	R																		As for 6001079 SA - Ca Si frags?		
6001080	SA		300	3	30														2.5m - As for 6001079.	4895W	4970N
6001081	SA	-20 -80	100.00	3	30														1.7m unbottomed in grey qtz sand (0.5m) overlain by granite grvls, sand (in pit).	4860W	4700N
6001082	SA	-20 -80	1.000	1	<20														1.7m unbottomed in grey qtz sand (0.4m) overlain by 0.6m light orange silt/sand overlain by 0.7m grey silty clay.	4848W	4698N
6001083	SA	-20 -80	300.0	3	<20														0.6m unbottomed in granite, qtzite grvls - matrix brown/orange sand sampled (in 0.5m pit).	4840W	4700N
6001084	SA	-20 -80	1.0000	1.0	30														0.5m unbottomed - as for 6001083	4831W	4700N
6001085	SA	-20 -80	300.0	1.0	30														0.6m unbottomed - as for 6001083 - sluiced area?	4820W	4700N
6001086	SA	-20 -80	300	1.0	<20														1.2 unbottomed - As for 6001083 (0-0.6 granite blders; 0.6-1.1 orange br qtz sand, mica; 1.1-1.2m alluv. granite grvls.	4809W	4700N

055046

PACMINEX PTY LTD. — SAMPLE DATA SHEET

AREA EL53/70 Stanley River
 STATE TAS LOCATION Stanley Reward

PROSPECT NUMBER 600
 1:100,000 SHEET 7914 Pleman

DATE SAMPLED Feb 78
 SAMPLER D Crossing

LABORATORY REPORT NO. _____
 ANALYTICAL METHOD _____

CONDITIONS: SAMPLE TYPE — M - Creek mud, S - Soil
 SA - Soil Auger, RC - Drill Core,
 RP - Percussion Chisels
 R - Rock
 ANALYSES: Please state element

ADDITIONAL _____

SAMPLE NUMBER	SAMPLE TYPE	DEPTH (meters)	CHEMICAL ANALYSES (ppm)														SUMMARY DESCRIPTION	LOCATION			
			Sn	Cu	Zn	Pb	Bi												AW	LINE	
6001087	SA	-20	1.00	1.0	<20														1.7m unbottomed in fine grey sand (0.5m) under granitic grvl (0.2m) overlain by grey clay, sand, mud.	4797W	4700N
6001087B		-80																	0-0.4 mud, 0.4-0.8 Cg-qtz sand, 0.8-1.0 grey clay, 1.0-1.2 granitic grvls.		
6001088A	SA	-20	3.0	3.0	<20														1.7m unbottomed in fine grey sand (0.5m)	4788W	4700N
6001088B		-80																	0-0.6m mud, 0.6-0.9m granite etc grvls; 0.9-1.7m fine grey sand (see 1088A); 0.6-0.9m = 6001088B; sluiced area adjacent		
6001089	SA	-20	1.00	1.0	<20														1.5m unbottomed in brown sand ± gran. grvls + sst; 0-0.6m mud 0.6-1m grvl in gr. clay, 1-1.2 clay, 1.2-1.5m br. sd. ± granite, tyr. sh grvls. Hole on edge of sluiced pond.	4782W	4694N
6001090	SA	-20	3	3	<20														1.6m unbottomed in grey clay 0-1.6m: adjacent to pond.	4768W	4712N
6001091	SA	-20	1.00	3	<20														1.7m unbottomed in dk. br. clay ± black blebs, minor granite grvls; 0-0.3m mud 0.3-0.9 grey clay 0.9-1.7 br. clay, minor gran. grvls.	4758W	4708N
6001092	SA	-20	<1	3	1.00														1.7m unbottomed in dk. gr. clay ± orange/brown limon. blebs ± frags Ca-Si ± tyr., minor granite grvls; overlain by mud.	4747W	4702N
6001093	SA	-80	<1	3.0	<20														0.9m bedrock dolomite, grey overlain by orange sand, mud on top.	4739W	4696N
6001094	SA	-20	1.0	1.00	<20														1.7m unbottomed in variegated clay - br. kh, gr/grn, purple ± frags dolomite, mica layers overlain by granite grvls, then mud.	4730W	4700N

055047

PACMINEX PTY LTD. — SAMPLE DATA SHEET

AREA EL53/70 Stanley River
 STATE TAS LOCATION Stanley Reward

PROSPECT NUMBER 600
 1:100,000 SHEET 1914 Pieman

DATE SAMPLED Feb 78
 SAMPLER D CROSSING

LABORATORY REPORT NO. _____
 ANALYTICAL METHOD _____

IONS: SAMPLE TYPE — M - Creek mud, S - Soil
 SA - Soil Auger, RC - Drill Core,
 RP - Percussion Chips
 R - Rock
 Please state element

ADDITIONAL _____

SAMPLE NUMBER	SAMPLE TYPE	DEPTH (meters)	CHEMICAL ANALYSES (ppm)														SUMMARY DESCRIPTION	LOCATION		
			Sn	Cu	Zn	Pb	Bi											LINE	LINE	
6001095	SA	-20	3	3	<20		<1											0-0.6m sandy mud, 0.6-1.7m fine gr. sand, granite grvls - unbottomed	4724W	4750N
6001096	SA	-20	1.00	3	<20		<1											0-0.8m mud, 0.8-1.6m granitic sand (sampled); unbottomed-granite boulder base (nr. Stanley R.)	4736W	4750N
6001097	SA	-20	3000	1.0	<20		<1											0-0.6m mud; 0.6-1.2m grey clay & granite grvls - unbottomed on boulders (nr. Stanley R.)	4750W	4750N
6001098	SA	-20	1.0	1	<20		<1											0-1.7m c.g. granite sand, unbottomed. (nr. Stanley R.)	4780W	4750N
6001099	SA	-20	1.000	1	<20		<1											0.7m silt on granite boulders - unbottomed.	4787W	4750N
6001100	SA	-20	3.00	1	<20		<1											1.7m unbottomed in mg. white qtz sand (1m) overlain by mud. Nr. 2nd Stanley R. branch	4820W	4750N
6001101	SA	-20	1.0	3	<20		<1											1.7m unbottomed in grey sandy silt (0.6m), overlain by brown silt - adjacent to Stanley R.	4841W	4750N
6001102	SA	-20	1.0	1	<20		<1											1.7m unbottomed in grey sdy silt (1m), overlain by 0.2m white sand then granite bldrs + grvls.	4851W	4747N
6001103	SA	-20	1.0	1	<20		<1											1.7m unbottomed in light grey clay (0.7m) under 1m dk. gr. silt - located in sluiced channel.	4865W	4743N
6001104A	SA	-20	30	3	<20		<1											1.7m, unbottomed in dk. grey clay	4874W	4745N
6001104B	SA	-20	1.000	30	30		<1											0-1m fragments granite, qtzite & limonite patches, 1-1.1m dk. grey clay: sample 0-1.1m. Hole in sluiced channel.		
6001105A	SA	-20	1	1	<20		<1											1.7m, unbottomed in dk. grey clay (0.6m)	4882W	4750N
6001105B	SA	-20	1.00	1.0	<20		<1											0-1.1m grvl, coarse sand, granite + qtzite pebbles (6001105B); 1.1m-1.7m dk. grey clay. Hole nr. sluiced mound of boulders.		
6001106A	SA	-20	1	1	<20		<1											1.7m unbottomed in black muddy clay (1.2m)	4893W	4750N
6001106B	SA	-20	3.0	1.0	<20		<1											0-0.3m grey coarse sand, 0.3-0.5 orange limonitic sand (6001106B); 0.5-1.7m black muddy clay		
6001107	SA	-20	<1	1	<20		<1											1.7m unbottomed in grey/dk. grey silty clay (1.4m) under 0.3m orange c.g. sand.	4907W	4750N
6001108A	SA	-20	<1	1.0	<20		<1											1.7m, unbottomed in gr./dk. grey silty clay on c.g. sand/clay (1.4m)	4919W	4750N
6001108B	SA	-20	300	1.0	30		<1											0-0.3m c.g. orange sand, granitic (6001108B); 0.3-1.7m gr./dk. grey silty clay.		
6001109	SA	-20	1	1	<20		<1											1.7m, unbottomed on black silty mud (1.4m) overlain by 0.3m sand (as for 6001108)	4928W	4750N
6001110	SA	-20	1.000	3	<20		<1											1.0m bedrock? light grey slst (dolomitic?), overlain by 0.4m granitic grvl, overlain by light grey med. gr. sand.	4943W	4750N
6001111	SA	-20	1.000	3	<20		<1											0.7m unbottomed in granite blders + qtz grvls, under mud.	4957W	4750N
6001112	SA	-20	3.0	1	<20		<1											0.7m? bedrock/light grey slst horizon under granite, slst grvls (as for 6001105 slst).	4968W	4750N

PACMINEX PTY LTD. — SAMPLE DATA SHEET

AREA Stanley River EL53/70
 STATE TAS LOCATION STANLEY Reward.

PROSPECT NUMBER 600
 SHEET 7914 Pleman

DATE SAMPLED Feb 78
 SAMPLER D. Crossing

LABORATORY REPORT NO. _____
 ANALYTICAL METHOD _____

CONDITIONS: SAMPLE TYPE — M - Creek mud, S - Soil
 SA - Soil Auger, RC - Drill Core,
 RP - Percussion Chips
 R - Rock
 ANALYSES: Please state element

ADDITIONAL _____

SAMPLE NUMBER	SAMPLE TYPE	DEPTH (cm)	CHEMICAL ANALYSES (ppm)										SUMMARY DESCRIPTION	LOCATION	
			Sn	Cu	Zn	Pb	Bi	Ag	W	Fe	NTS LINE				
6001113	SA	-20 -80	300	3	<20		<1						1.5m bedrock? light gr./br slst (as for 6001110) under 0.4m granite slst grvls, under mud.	4981W	4750N
6001114	SA	-20 -80	1000	10	<20		<1						0.7m granite + slst gravel, unbottomed	4993W	4750N
6001115	SA	-20 -80	10	100	30		<1						1m blast pit - bottomed on white dolomite, dsm. pyrite, speck dark mineral, purple stained frs. ± pyrite. Sample from clay immediately above bedrock.	4829W	4550N
	R		3	30		<1	<1	<1							
6001116	SA	-20 -80	1	3	<20		<1	<1					1m - As for 6001115 - f.g. micritic dolomite.	4837W	4550N
	R		<1	30		3	<1	<1							
6001117	SA	-20 -80	300	10	<20		<1						2.7m: pit blasted to 1m, then augered to 2.7m to bedrock white dolomite, overlain by layered clays and boulder (granite) horizons	4848W	4650N
6001118	SA	-20 -80	1000	10	<20		<1						1m blast pit - bedrock med. grey dolomite ± dk minerals along microfractures overlain by granitic gravels + mud.	5010W	4700N
6001119	SA	-20 -80	<1	3		<1	<1	<1					2.3m: Pit blasted 1m, augered to 2.3m to granite boulders - unbottomed.	4941W	4700N

PACMINEX PTY LTD. — SAMPLE DATA SHEET

AREA EL53/70 Stanley River
 STATE TAS LOCATION Stanley Reward

PROSPECT NUMBER 600
 1:100,000 SHEET 7914 Pieman

DATE SAMPLED Feb 78
 SAMPLER D. Crossing

LABORATORY REPORT NO. _____
 ANALYTICAL METHOD _____

CONDITIONS: SAMPLE TYPE — M - Creekmud, S - Soil
 SA - Soil Auger, RC - Drill Core,
 RP - Percussion Chips
 R - Rock
 ANALYSES: Please state element

ADDITIONAL _____

SAMPLE NUMBER	SAMPLE TYPE	ANALYSE DEPTH (meters)	CHEMICAL ANALYSES (ppm)										SUMMARY DESCRIPTION	LOCATION			
			Sn	Cu	Zn	Pb	Bi	Ag	W						1/4N	NIS-LINE	
6001120	SA	-20 -80	<1	1	<20		<1								1.6m, unbottomed in qtzite + black sh scree (0.8m) under mud.	5112W	4900N
6001121	SA	-20 -80	30	1	<20		<1							1.6m ? bedrock? of light br. qtzite, under 0.2m qtzite, granite gravel then sand (0.2m), silt (0.5m) then mud.	5100W	4900N	
6001122	SA	-20 -80	<1	3	<20		<1							0.7m ? bedrock light br. slst under 0.2m sand + light br. dolomite? frags under mud.	5087W	4900N	
6001123	SA	-20 -80	<1	1	<20		<1							1.4m ? bedrock - light br. slst. under 0.3m slst grvls under mud.	5074W	4900N	
6001124	SA	-20 -80	1	10	<20		<1							1.7m unbottomed in 0.3m qtzite, slst, granite grvls under silt.	5061W	4900N	
6001125	SA	-20 -80	30	10	<20		<1							0.6m - as for 6001124.	5050W	4900N	
6001126	SA	-20 -80	30	10	<20		<1							0.8m ? bedrock? light br. slst under slst + minor qtzite, granite grvl. (0.3m) under mud.	5037W	4900N	
6001127	SA	-20 -80	<1	1	<20		<1							0.7m bedrock light brown slst under slst grvls (0.3m) under mud.	5025W	4900N	
6001128	SA	-20 -80	10	3	<20		<1							2.2m (in pit), unbottomed in qtzite, granite sands (0.7m) under mud.	5012W	4900N	
6001129	SA	-20 -80	100	1	<20		<1							0.7m bedrock white slst (dolomitic?) under 0.3m slst, granite grvls under mud.	4990W	4900N	
6001130	SA	-20 -80	1	1	<20		<1							0.6m bedrock?? limonitic slst or dolomite under 0.1m "lateritic" slst. frags. under silt/grvls.	4982W	4900N	
6001131	SA	-20 -80	30	1	<20		<1							0.8m bedrock? "lateritic" slst under 0.3m "lateritic" slst grvl under grey clay.	4971W	4900N	
6001132	SA	-20 -80	30	1	<20		<1							0.9m unbottomed in boulders under 0.3m granite, slst gravels under grey silt.	4961W	4900N	
6001133	SA	-20 -80	10	1	<20		<1							1.7m bedrock light br. (?) calcarenite under 0.3m br/gr. sand & band of qtzite, granite pebbles under limonitic (in places) grey silty clay	4952W	4900N	
6001134	SA	-20 -80	30	3	<20		<1							1.6m bedrock - white slst under 0.2m slst, qtzite, granite grvls under scree, silt.	4941W	4900N	
6001135	SA	-20 -80	10	1	<20		<1							1.6m - ? granitic boulder/clay bottom.	4930W	4900N	
6001135B			10	3	<20		<1							0-0.2m white sand, 0.2-0.6 grey clay. 0.6-1.0m "lateritic" qtz sand (6001135B). 1.0-1.4m br/gr and br. "lateritic" clay			
6001136	SA	-20 -80	100	3	<20		<1							1.4-1.6 granitic grvl. clay. 1.0m ? bedrock? br. ("lateritic") slst. under 0.3m granite, qtzite grvl, under 0.5m grey clay, under white sand.	4919W	4900N	
6001137	SA	-20 -80	1000	3	<20		<1							1.4m ? bedrock ? dolomite under 1.1m grvl (granite) under mud.	4910W	4854N	
6001138	SA	-20 -80	1000	1	<20		3							0.2m dolomite bedrock, under mud. : dolomite ~ 095°/90° dip. ?	4894W	4852N	
6001139	SA	-20 -80	300	3	<20		<1							1.7m unbottomed in boulders under 0.3m grey sand & grvls - ? sluiced area - in swamp.	4885W	4900N	

055050

PACMINEX PTY LTD. — SAMPLE DATA SHEET

AREA EL53/70, Stanley River PROSPECT NUMBER 600
 STATE TAS LOCATION Stanley River SHEET 7914 Pieman

DATE SAMPLED Feb 78
 SAMPLER DCrossing

LABORATORY REPORT NO. _____
 ANALYTICAL METHOD _____

CONDITIONS: SAMPLE TYPE — M - Creekmud, S - Soil
 SA - Soil Auger, RC - Drill Core,
 RP - Percussion Chips
 R - Rock
 ANALYSES: Please state element

ADDITIONAL _____

SAMPLE NUMBER	SAMPLE TYPE	DEPTH (m)	CHEMICAL ANALYSES (ppm)										SUMMARY DESCRIPTION	LOCATION		
			Sn	Cu	Zn	Pb	Bi							EW	LINE	
6001140	SA	-20	300	3	30		<1							0.7m unbottomed in dolomite, granite boulders in swamp	4875W	4900N
		-80														
6001141	SA	-20	300	10	100		1							1.8m unbottomed in dolomite, granite gravels (0.6m) under mud	4865W	4900N
		-80														
6001142	SA	-20	300	10	<20		<1							1.6m bedrock white slst. under c.g. qtz + carbonate sand, minor granite, slst. grvls (0.6m) under mud.	4853W	4900N
		-80														
6001143	SA	-20	300	30	<20		3							0.7m unbottomed in boulders, granite grvls, sand under mud.	4841W	4900N
		-80														
6001144	SA	-20	300	3	<20		1							0.5m granite, slst boulders, grvls. Near sluiced Pond.	4829W	4855N
		-80														
6001145	SA	-20	3000	10	100		<1							0.6m+ boulders on a sluiced mound - mainly granite + limonitic sand.	4813W	4900N
		-80														
6001146		-20	1000	3	<20		<1							1.7m unbottomed in c.g. sand granite pebbles (0.9m) under 0.6m white sand under "lateritic" sand + silt.	4798W	4847N

055051

PACMINEX PTX LTD. — SAMPLE DATA SHEET

AREA EL 53/70 Stanley River PROSPECT NUMBER 600
 STATE TAS LOCATION Stanley River SHEET 7914 Pieman

DATE SAMPLED MAR 78
 SAMPLER P. MACNAMARA

LABORATORY REPORT NO. ANALYTICAL METHOD

CONDITIONS: SAMPLE TYPE — M - Creek mud, S - Soil
 SA - Soil Auger, RC - Drill Core,
 RP - Percussion Chips
 R - Rock
 Please state element

ADDITIONAL A = Crimson Ck. Argillite

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (MICRONS)	CHEMICAL ANALYSES (ppm)														SUMMARY DESCRIPTION	LOCATION			
			Sn	Cu	Zn	Pb	Bi											TRANS LINE	N/S		
6001150	SA	-20 -80	<1	30	<20		<1												0-1.2m kh. and yell. kh. Crimson Ck. Argillite clay (A) - ? residual or colluvial?	4700W	4097N
6001151	SA	-20 -80	1	30	<20		1												As for 6001150	4700W	4112N
6001152	SA	-20 -80	<1	10	<20		<1												As for 6001150	4704W	4125N
6001153	SA	-20 -80	<1	10	<20		<1												0-0.7m kh clay (A), deep red at bottom. 0.7-0.8m yellow wd. c.g. or grey wacke rock (or volcanic?)	4700W	4137N
6001154	SA	-20 -80	<1	30	<20		<1												0-0.5m kh. clay (A). 0.5-0.7m deep red clay + yellow wd. rock chips at base of slope (wd. glwacke slst?)	4700W	4150N
6001155	SA	-20 -80	<1	10	<20		<1												0-1.2m kh. clay: at 1.2m red clay + ? glwacke slst? frags - colluvial?	4700W	4162N
6001156	SA	-20 -80	<1	10	<20		<1												0-1.2m kh. clay + blue grey slst frags + patches red clay - residual or colluvial?	4700W	4175N
6001157	SA	-20 -80	<1	10	<20		<1												0-0.4m kh. clay ± limon. frags, blue grey clay frags (sh?)	4700W	4201N
6001158	SA	-20 -80	<1	100	<20		<1												0-1.1m kh. clay - hard limonite near top.	4700W	4212N
6001159	SA	-20 -80	<1	30	30		<1												0-0.5m kh. clay ± limonite layer; 0.5-1.5m yell. br. clay, minor red limon. patches - not to bedrock	4700W	4225N
6001160	SA	-20 -80	<1	30	<20		<1												0-1.0m as for 6001159 - some red "lateritic" patches.	4700W	4237N
6001161	SA	-20 -80	<1	10	<20		<1												0-1.0m kh. clay, hard. limon. patches - sh and glwacke frags - hard limonite(?) base.	4700W	4251N
6001162	SA	-20 -80	<1	30	<20		<1												1.0 blue grey banded (glwacke?) slst.	4700W	4262N
6001163	M	-20 -80	<1	3	<20		<1												gully - wide drainage.	4695W	4260N
6001164	SA	-20 -80	<1	3	<20		<1												0-1.3m kh. soil, limonite + rock frags - colluvial?	4700W	4276N
6001165	SA	-20 -80	<1	30	<20		<1												1.5m - as for 6001164	4700W	4287N
6001166	SA	-20 -80	<1	10	<20		<1												1.4m kh. clay; limonite, qtz, Ark. frags.	4700W	4300N
6001167	SA	-20 -80	<1	10	<20		<1												0-1.7m kh clay, Ark. frags.	4700W	4312N
6001168	SA	-20 -80	<1	30	30		<1												0-1.7m As for 6001167	4700W	4325N
6001169	SA	-20 -80	<1	3	<20		<1												0-1.5m kh. clay (A), shale? (in situ Ash?)	4700W	4337N
6001170	M	-20 -80	<1	10	<20		<1												gully	4700W	4341N
6001171	SA	-20 -80	<1	30	100		<1												0-1.5 in a depression: dk. green blue black shaley rock - tuff. sh? Adjacent to dk. br. chert scree (Ca-Si? or Marker unit?)	4700W	4350N

055052

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

AREA EL53/70 Stanley River
 STATE TAS LOCATION Stanley Reward

PROSPECT NUMBER 600
 1:100,000 SHEET 7914 Pisman

DATE SAMPLED Mar. 78
 SAMPLER P. MACNAMARA

LABORATORY REPORT NO. _____
 ANALYTICAL METHOD _____

CONDITIONS: SAMPLE TYPE — M - Creek mud, S - Soil
SA - Soil Auger, RC - Drill Core,
RP - Percussion Chips
R - Rock
 ANALYSES: _____
 Please state element

ADDITIONAL _____

SAMPLE NUMBER	SAMPLE TYPE	APERTURE (mm) / (mm) / (microns)	CHEMICAL ANALYSES (ppm)														SUMMARY DESCRIPTION	LOCATION			
			Sn	Cu	Zn	Pb	Bi												GRID LINE	N#	
6001172	SA	-20 -80	<1	30	30		<1												0-1.5m dk. br. yellow A clay on flat area.	4700W	4362N
6001173	SA	-20 -80	<1	30	<20		<1												0-0.2 dk. kh. clay + white chert frags. (see 600 1171); 0.2-1.3m pale yellow, orange brown clay, limonitic orange qtzitic slst or dolomite, qtz, qtzite frags.	4700W	4375N
6001174	SA	-20 -80	30	30	<20		<1												0-1.3m As for 600 1173 ± red br. clay at bottom (check acid tuff?)	4700W	4387N
6001175	SA	-20 -80	<1	3	<20		<1												0-1.3 kh. clay (A); 1.3-1.5m pale cream clay, qtz.		
6001176	SA	-20 -80	<1	30	<20		<1												0-1.6m kh. clay + greenish kh. glwacke slst frags.	4700W	4412N
6001177	SA	-20 -80	<1	10	<20		<1												0-1.5m kh. grn. clay, qtz + glwacke slst frags: finished in kh-red-d. grey grn. clay	4700W	4425N
600 1178	SA	-20 -80	<1	3	<20		<1												0-1.2m yell. br. kh. clay - hard bottom.	4700W	4437N
6001179	SA	-20 -80	<1	3	<20		<1												0-1.2m kh. clay, 1.2-1.5m banded variegated br-mauve-grey grn-cream clay - after glwacke sh? (residual?)	4700W	4450N
6001180	SA	-20 -80	<1	3	<20		<1												As for 600 1179? 0-0.3 kh. clay, 0.3-1.5m bands of yell. br and purple silty clays (glwacke slst?) - residual?	4700W	4462N
600 1181	SA	-20 -80	<1	10	<20		<1												0-1.2m kh, slightly red br. clay.	4700W	4475N
600 1182	SA	-20 -80	<1	10	<20		<1												0-1.5m banded cream and yell. br. clay at 1.5m. (= sh?)	4700W	4487N
600 1183	SA	-20 -80	<1	10	<20		<1												0-1.4m kh. clay, frags dk. grey green glwacke slst	4700W	4500N
6001184	SA	-20 -80	<1	1	<20		<1												0-1.5m kh. clay: at 1.5m frags. of red shale, blue blk. (MnO ₂ ?) patches, grey shale.	4700W	4525N
600 1185	SA	-20 -80	<1	3	<20		<1												0-1.5m kh. clay ± tuff. or glwacke slst frags.	4700W	4537N
600 1186	M	-20 -80	30	10	<20		<1												gully sample drains W.	4700W	4548N
600 1187	SA	-20 -80	<1	3	<20		<1												1.5m grn. kh. clay - bank of gully.	4700W	4550N
600 1188	SA	-20 -80	<1	10	<20		<1												0-1.0m rk. frags (black sh? - h Ash) + kh clay: residual or colluvial	4700W	4562N
600 1189	SA	-20 -80	<1	3	<20		<1												1.5m kh. clay - in gully.	4700W	4575N
600 1190	M	-20 -80	10	3	<20		<1												gully drains N.W.	4700W	4574N
600 1191	SA	-20 -80	<1	30	30		<1												0-1.5m blue grey silt + rock frags.	4700W	4587N
600 1192	SA	-20 -80	<1	30	<20		<1												0-1.5m kh. clay over blue grey silt (or insitu wd. A?)	4700W	4600N

055053

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

AREA EL 53/70 Stanley River
 STATE TAS LOCATION Stanley Reward

PROSPECT NUMBER 600
 1:100,000 SHEET 7914 Pieman

DATE SAMPLED MARCH 78
 SAMPLER P. MACNAMARA

LABORATORY REPORT NO. _____
 ANALYTICAL METHOD _____

CONDITIONS: SAMPLE TYPE — M - Creek mud, S - Soil
 SA - Soil Auger, RC - Drill Core,
 RP - Percussion Chips
 R - Rock
 ANALYSES: Please state element

ADDITIONAL hA = horfels Crimson CR
Argillite

SAMPLE NUMBER	STATE	APERTURE (mm)	CHEMICAL ANALYSES (ppm)														SUMMARY DESCRIPTION	LOCATION			
			Sn	Cu	Zn	Pb	Bi											LINE	N#		
6001193	SA	-20	<1	30	30		<1												On flat: 0-2 m d. greenish kh. silt, rk. frags.	4700W	4612N
6001194	SA	-20	30	30	<20		<1												0-1m clay - bottom hard clay shale (? blue grey sh?)	4696W	4625N
6001195	SA	-20	30	10	<20		<1												0-1.5m grey br. mud ± granite sand, grvl at top, bottomed in mud/clay (= sh/slst?).	4700W	4637N
6001196		-20	1	30	300		<1												0-1m granite grvls/soil; 1-1.5m blue grey and white micaceous slst some dark br. clay ± radiating xals. (Ca-Si or horfels chlorite): hA sh, blue grey and white banded.	4700W	4650N
6001197	SA	-20	1	10	100		<1												0-1m: rk. frags incl. white (?) slst; 1-1.5m As for 6001196 - micaceous d. blue black-greenish white banded clay = hA (possibly dolomitic) - ≈ collar rks SRD8?	4700W	4662N
6001198	SA	-20	1	30	100		<1												0-0.6m: colluvial granite soil, boulders; 0.6-1.4m d. blue green micaceous clay (= wd. slst?) = 6001197.	4700W	4675N
6001199	SA	-20	1	10	100		<1												0-0.8m kh. clay; 0.8-1.5m dk. grn. clay ± white clay patches (dolomitic? felspar?)	4700W	4687N
6001200	SA	-20	10	30	100		<1												1.2m As for 6001199 - dolomitic? green clay "oolites"	4700W	4700N
6001201	SA	-20	<1	30	100		1												1.5m dk. grn. and black clay ± pale white bands (as above), "breccia" appearance.	4700W	4712N
6001202	SA	-20	3	100	30		<1												0-0.5m mud, 0.5-1.5m dk. grn. micaceous clay ± pale patches - mica hornfels. (as above)	4700W	4725N
6001203	SA	-20	10	30	<20		1												limonitic dk. grey green clay (= hsh, as above)	4700W	4737N
6001204	SA	-20	<1	100	<20		<1												med. br. limon. clay	4700W	4754N
6001205	SA	-20	<1	100	30		<1												1.5m dark blue grey silty clay. - residual??	4677W	4550N
6001206	SA	-20	30	30	<20		<1												1.5m d. greenish kh. clay	4686W	4550N
6001207	SA	-20	<1	100	<20		<1												1.5m dk. grn. kh. silty clay ± blue black patches + rk. frags - residual.	4698W	4549N
6001208	SA	-20	100	30	<20		<1												1.5m kh. clay ± rk. frags; orange-white clay at 1.5m (= a distinctive band? - see line 4550N augering).	4655W	4545N
6001209	SA	-20	10	30	<20		<1												1.5m finely banded cream-y. br. orange clayey (?) sh (ortuff?)	4648W	4540N

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

AREA EL53/70 Stanley River
 STATE TAS LOCATION Stanley Reward

PROSPECT NUMBER 600
 1:100,000 SHEET 7914 Pieman

DATE SAMPLED April 78
 SAMPLER P. MACNAMARA

LABORATORY REPORT NO. _____
 ANALYTICAL METHOD _____

CONDITIONS: SAMPLE TYPE -

M - Creek mud, S - Soil
 SA - Soil Auger, RC - Drill Core,
 RP - Percussion Chips
 R - Rock
 Please state element

ADDITIONAL _____

SAMPLE NUMBER	SAMPLE TYPE	DEPTH (m)	CHEMICAL ANALYSES (ppm)														SUMMARY DESCRIPTION	LOCATION			
			Sn	Cu	Zn	Pb	Bi	Ag	W										EW	LINE	
6001210	M	-20	1	1.0	<20		<1												gulley - Mn std. hA grvls.	4473W	3800N(X) 38X
6001211	SA	-20	<1	1	<20		<1												orange yell. br. limon. banded clay (= hAsh?)	4475W	38X
6001212	SA	-20	<1	1.0	<20		<1												0.6m banded white and cream clay	4487W	38X
6001213	SA	-20	<1	1.0	<20		<1												0-0.7m grey br. clayey soil; 0.7m+ grey sh.	4500W	38X
6001214	SA	-20	<1	1.0	<20		<1												o/crop med. grey silty sh (glwacke sh?) 150°/70°NE dip.	4512W	38X
6001215	SA	-20	1	1.0	<20		<1												over red chert sub o/crop - (Marker sequence? and/or hornfelsed sh?)	4500W	38X
6001216	SA	-20	<1	1.0	<20		<1												Scree of dolerite. 1.5m med br ± red tinge A clay, sh and slst fragment, trace mica (hornfelsing?).	4600W	4250N
6001217	SA	-20	<1	1.0	<20		<1												0-1.5m kh. clay / rk. frags.	4610W	4250N
6001218	SA	-20	<1	30	<20		<1												0-0.9m kh. clay (roots of large tree).	4622W	4245N
6001219	SA	-20	<1	30	<20		<1												0-1.5m kh. clay + rk. frags.	4631W	4255N
6001220	SA	-20	<1	30	<20		<1												base of bank: 0-1.2m kh. clay + rk. frags = colluvial?; 1.2-1.5m dk. blue black silty sh ± white clay patches.	4637W	4265N
6001221	R		3	30		<1	<1	<1											white to cream "micritic" dolomite ± pyrite + hairline dark fractures	4837W	4400N
6001222	R		<1	1		<1	<1	<1											As for 6001221R - dissem. pyrite.	4780W	4400N
6001223	R		1	100	<20	3	<1	1											dk. black brown cherty rk - hornfels or "Red Rock Member"?	4525W	3800N

055055

PACMINEX PTX LTD. — SAMPLE DATA SHEET

AREA EL 53/70 Stanley River PROSPECT NUMBER 600
 STATE TAS LOCATION Stanley Rewards SHEET 7914 Pieman

DATE SAMPLED April 78
 SAMPLER P MACNAMARA

LABORATORY REPORT NO. _____
 ANALYTICAL METHOD _____

CONDITIONS: SAMPLE TYPE — M - Creek mud, S - Soil
 SA - Soil Auger, RC - Drill Core,
 RP - Percussion Chips
 R - Rock
 ANALYSES: Please state element

ADDITIONAL _____

SAMPLE NUMBER	SAMPLE TYPE	DEPTH (m)	CHEMICAL ANALYSES (ppm)																SUMMARY DESCRIPTION	LOCATION	
			Sn	Cu	Zn	Pb	Bi	Ag	W									EW		N/LINE	
600.1230	SA	-20	<1	1.0	<20		<1												1.0 mts alluvial flat.	5185W	5000N
600.1231	SA	-20	<1	1.0	<20		<1												As for 600 1230	5163W	5000N
600.1232	SA	-20	1	3	<20		<1												As for 600 1230	5137W	5000N
600.1233	SA	-20	3	1.0	<20		<1												As for 6001230	5112W	5000N
600.1234	SA	-20	<1	3	<20		<1												As for 600 1230	5087W	5000N
600.1235	SA	-20	1	1.0	<20		<1												As for 600 1230	5062W	5000N
600.1236	SA	-20	<1	1.0	<20		<1												As for 600 1230	5037W	5000N
600.1237	SA	-20	300	1.0	<20		<1												0-1.3 N/S ; 1.3-1.6m : gravels on button grass flat under 'organic mud/gravels. (in pit)	4935W	4985N
600.1238	SA	-20	100.0	1.0	<20		<1												1.4-2.4m - pit in gravels	4935W	4985N
600.1239	R		30	30	30	1	1	<1											1.3m "gravels" from base of pit blown in Alluvial flat. No granite grvls. Black silt + dolomite frags, limonitic. No grvl or cobbles.	4780W	4400N
600.1240	SA	-20	300	1.0	30		<1												As for 600 1239 R : dark silt + dolomite frags (limonitic) + minor grvls.	4780W	4400N
600.1241	R		3000	1.0	30	1	<1	<1											dk. gr. br. soil + Ca-Si frags.	4837W	4800N
600.1242	SA	-20	1	30	30		<1												As for 600 1241		

055056

PACMINEX PTX LTD. — SAMPLE DATA SHEET

AREA EL5370 Stanley River
 STATE TAS LOCATION Stanley Reward.

PROSPECT NUMBER 600
 SHEET 7914 Pieman

DATE SAMPLED JAN 78
 SAMPLER P. MACNAMARA

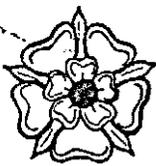
LABORATORY REPORT NO. _____
 ANALYTICAL METHOD _____

CONDITIONS: SAMPLE TYPE — M - Creekmud, S - Soil
 SA - Soil Auger, RC - Drill Core,
 RP - Percussion Chips
 R - Rock
 ANALYSES: Please state element

ADDITIONAL _____

SAMPLE NUMBER	SAMPLE TYPE	ANALYSE TYPE (R, SA, RC, RP, R)	CHEMICAL ANALYSES (ppm)																SUMMARY DESCRIPTION	LOCATION		
			Sn	Cu	Zn	Pb	Bi	Ag	W												E/W	N/S
6001243	R		<1	3	<20	3	<1	<1												granite boulder (outcrop?) + soil on hill slope E of Livingstone Cr. C.g. (1-15 mm) qtz - porphyritic felspar - biotite granite.	4919W	7175N
6001244	M	-20	<1	10	<20		<1													gulley drains to grid SSW - granite wash, few fines only. granite outcrop.	4931W	7175N
6001245	M	-20	30	3	<20		<1													4974-4977W. No outcrop. Mainly granite wash, granite and Ns boulders, few fines. No limonite/gossan float seen. Ns to W of Cr (= contact?).	4975W	7175N
6001246	M	-20	1	10	<20		<1													gulley - no outcrop - Ns soil?	5000W	7162N
6001247	M	-20	<1	3	<20		<1													gulley - no outcrop - Ns soil? (colluvial)	5000W	7132N
6001248	M	-20	<1	3	<20		<1													gulley from west - sand, Ns type. No granite seen.	5000W	7087N
6001249	M	-20	<1	3	<20		<1													Boggy ground, possibly part of 6001248; (?) Ns soil/mud; no outcrop.	5000W	7042N
6001250	M	-20	10	3	<20		<1													gulley from west; granitic detritus in N bank (see 6001251 S); no outcrop.	5000W	6990N
6001251A	S	-20	<1	1	<20		<1													N. wall of gulley: granite debris + limonite.	5000W	6991N
6001252	M	-20	1	3	<20		<1													minor gulley; Ns soil/mud + large qtz fragments (? granite?)	5000W	6931N
6001253	M	-20	10	3	<20		<1													minor gulley - Livingstone Cr 6m only to the E.	5000W	6878N
6001254	M	-20	1	3	<20		<1													minor gulley from W - Ns soil	5000W	6787N
6001255	M	-20	3	3	<20		<1													Livingstone Cr sample; granitic sediment in cr; outcrop of altered granite - sediment contact, possibly including ? Calc-silicates? - ie large xals of FeMg or Ca-Si contact minerals nearby.	5000W	6709N
6001256	M		10	3	<20		<1													Livingstone Cr near northern adit and adjacent to limonitic Sn gossan.		

APPENDIX IICHEMICAL ANALYSES : SOILS (-80 MESH FRACTION)LINES 3800N TO 4900N, STANLEY REWARD GRID



P. M. Stanton

A.C.S. Laboratories Pty. Ltd.
50 MARY STREET
UNLEY, S.A. 5061
P.O. BOX 3
UNLEY, S.A. 5061
PHONE: 272 5733

055059

ANALYTICAL RESULTS

Samples from: C.S.R. Exploration.

Area: Sydney.

Samples of: Soil.

Preparation: None.

Batch No.: A 2951.

O/N 18259.

Sheet No.: 1.

Date: 7/7/79.

SAMPLES WILL BE DISPOSED OF AFTER TWO MONTHS UNLESS WE ARE OTHERWISE ADVISED

Sample Description	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Bi ppm
600750	90	40	40	∞	∞
1	60	40	30	∞	∞
2	60	40	40	∞	∞
3	120	40	80	∞	∞
4	50	20	20	∞	∞
5	30	20	30	∞	∞
6	110	20	70	∞	∞
7	90	120	50	∞	∞
8	70	20	40	∞	∞
9	50	40	30	∞	∞
60	40	20	40	∞	∞
1	20	20	30	∞	∞
2	30	∞	20	∞	∞
3	10	∞	∞	∞	∞
4	10	∞	30	∞	∞
5	10	∞	∞	∞	∞
6	10	40	30	∞	∞
7	60	60	100	∞	∞
8	10	20	10	∞	∞
9	10	∞	∞	∞	∞
70	∞	∞	10	∞	∞
1	10	∞	10	∞	∞
2	10	∞	10	∞	∞
3	10	∞	∞	∞	∞
4	10	∞	10	∞	∞
5	10	∞	10	∞	∞
6	∞	∞	20	∞	∞
7	∞	∞	10	∞	∞
8	40	∞	40	∞	∞
9	20	20	10	∞	∞
80	40	40	110	∞	∞
1	50	∞	20	∞	∞
2	20	∞	20	∞	∞
3	20	20	∞	∞	∞
4	10	∞	10	∞	∞
5	30	40	40	∞	∞
6	20	∞	10	∞	∞
7	∞	∞	10	∞	∞
8	10	∞	∞	∞	∞
9	10	∞	∞	∞	∞
90	10	40	10	∞	∞
1	10	40	10	∞	∞
2	90	60	80	∞	∞
3	100	40	100	∞	∞
4	80	40	70	∞	∞
5	60	40	60	∞	∞
6	60	40	40	∞	∞
7	100	60	70	∞	∞
8	80	40	60	∞	∞
600799	900	40	20	∞	∞

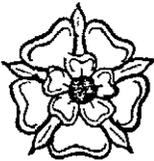
ANALYTICAL METHODS: Cu, Pb, Zn, Ag, Bi by AAS.



DISTRIBUTION: C.S.R. Exploration, Sydney. Signed *P. Stanton*

*03924

This Laboratory is registered by the National Association of Testing Authorities, Australia. The test(s) reported herein have been performed in accordance with its terms of registration. This document shall not be reproduced except in full.



ANALYTICAL RESULTS

Samples from: C.S.R. Exploration.

Area: Sydney.

Samples of: Soil.

Preparation: None.

Batch No.: A 2951.

Sheet No.: 2.

Date: 7/7/79.

SAMPLES WILL BE DISPOSED OF AFTER TWO MONTHS UNLESS WE ARE OTHERWISE ADVISED

Sample Description	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Bi ppm
600800	10	<20	20	<20	<20
1	10	<20	10	<20	<20
2	130	1480	10000	10	<20
3	10	40	40	<20	<20
4	10	20	10	<20	<20
5	20	40	20	<20	<20
6	10	<20	<20	<20	<20
7	40	<20	1000	<20	<20
8	20	40	30	<20	<20
9	30	40	40	<20	<20
10	20	40	400	<20	<20
1	10	40	80	<20	<20
2	20	20	50	<20	<20
3	10	20	10	<20	<20
4	10	<20	10	<20	<20
5	10	20	10	<20	<20
6	10	60	30	<20	<20
7	140	40	80	<20	<20
8	90	100	1250	<20	<20
9	200	40	550	<20	<20
20	90	40	40	<20	<20
1	80	40	30	<20	<20
2	100	40	60	<20	<20
3	130	60	70	<20	<20
4	70	40	60	<20	<20
5	10	<20	<20	<20	<20
6	10	<20	<20	<20	<20
7	<20	20	10	<20	<20
8	10	<20	<20	<20	<20
9	60	40	20	<20	<20
30	50	40	190	<20	<20
1	10	40	10	<20	<20
2	10	40	20	<20	<20
3	10	20	10	<20	<20
4	20	<20	20	<20	<20
5	10	<20	10	<20	<20
6	40	20	20	<20	<20
7	110	60	110	<20	<20
8	90	40	100	<20	<20
9	40	<20	80	<20	<20
40	60	40	50	<20	<20
1	50	40	80	<20	<20
2	40	40	80	<20	<20
3	100	20	70	<20	<20
4	80	40	70	<20	<20
5	170	60	70	<20	<20
6	100	60	80	<20	<20
7	70	40	50	<20	<20
8	50	<20	80	<20	<20
600849	10	20	20	<20	<20

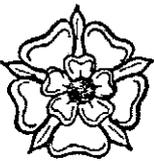
ANALYTICAL METHODS: Cu, Pb, Zn, Ag, Bi by AAS.

DISTRIBUTION: CSR Exploration, Sydney.

Signed *Robertson*



This Laboratory is registered by the National Association of Testing Authorities, Australia. The test(s) reported herein have been performed in accordance with its terms of registration. This document shall not be reproduced except in full.



ANALYTICAL RESULTS

Samples from: C.S.R. Exploration.

Area: Sydney.

Samples of: Soil.

Preparation: None.

Batch No.: A 2951.

Sheet No.: 3.

Date: 7/7/79.

SAMPLES WILL BE DISPOSED OF AFTER TWO MONTHS UNLESS WE ARE OTHERWISE ADVISED

Sample Description	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Bi ppm
600850	10	<20	50	<20	<20
1	10	<20	30	<20	<20
2	20	20	20	<20	<20
3	20	40	60	<20	<20
4	10	20	30	<20	<20
5	20	<20	40	<20	<20
6	<20	<20	10	<20	<20
7	10	20	20	<20	<20
8	<20	20	20	<20	<20
9	10	20	10	<20	<20
60	10	20	10	<20	<20
1	20	20	40	<20	<20
2	10	20	30	<20	<20
3	<20	<20	<20	<20	<20
4	<20	<20	<20	<20	<20
5	<20	20	10	<20	<20
6	<20	<20	10	<20	<20
7	10	20	10	<20	<20
8	20	20	40	<20	<20
9	10	<20	<20	<20	<20
70	10	20	20	<20	<20
1	10	<20	30	<20	<20
2	10	<20	60	<20	<20
3	10	<20	40	<20	<20
4	10	20	20	<20	<20
5	20	20	20	<20	<20
6	10	<20	20	<20	<20
7	20	20	60	<20	<20
8	10	20	80	<20	<20
9	30	20	50	<20	<20
80	40	40	160	<20	<20
1	140	140	500	<20	<20
2	100	60	60	<20	<20
3	90	60	30	<20	<20
4	30	20	30	<20	<20
5	120	60	70	<20	<20
6	130	60	240	<20	<20
7	50	40	60	<20	<20
8	10	20	30	<20	<20
9	90	60	80	<20	<20
90	10	20	50	<20	<20
1	<20	<20	10	<20	<20
2	10	40	30	<20	<20
3	<20	40	<20	<20	<20
4	10	<20	20	<20	<20
5	10	<20	10	<20	<20
6	30	20	30	<20	<20
7	10	40	250	<20	<20
8	<20	<20	10	<20	<20
600899	10	20	<20	<20	<20

ANALYTICAL METHODS: Cu, Pb, Zn, Ag, Bi by AAS.

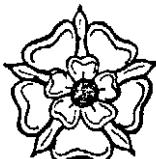


DISTRIBUTION: CSR Exploration, Sydney.

Signed *[Signature]*

*a/3924

This Laboratory is registered by the National Association of Testing Authorities, Australia. The test(s) reported herein have been performed in accordance with its terms of registration. This document shall not be reproduced except in full.



ANALYTICAL RESULTS

Samples from: C.S.R. Exploration.

Area: Sydney.

Samples of: Soil.

Preparation: None.

Batch No.: A 2951.

Sheet No: 4.

Date: 7/7/79.

SAMPLES WILL BE DISPOSED OF AFTER TWO MONTHS UNLESS WE ARE OTHERWISE ADVISED

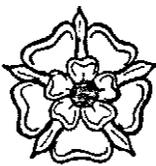
Sample Description	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Bi ppm
600900	10	20	<20	<20	<20
1	<20	<20	10	<20	<20
2	10	<20	10	<20	<20
3	20	40	60	<20	<20
4	20	40	80	<20	<20
5	20	100	30	<20	<20
6	20	40	40	<20	<20
7	10	280	290	<20	<20
8	10	20	10	<20	<20
9	10	40	10	<20	<20
10	10	<20	10	<20	<20
1	10	60	20	<20	<20
2	10	20	10	<20	<20
3	10	<20	<20	<20	<20
4	40	80	50	<20	<20
5	40	60	250	<20	<20
6	10	40	50	<20	<20
7	<20	40	20	<20	<20
8	10	60	40	<20	<20
9	40	20	90	<20	<20
20	60	40	80	<20	<20
1	40	40	60	<20	<20
2	30	20	30	<20	<20
3	70	40	120	<20	<20
4	70	180	600	<20	<20
5	100	40	60	<20	<20
6	70	60	40	<20	<20
7	90	60	30	<20	<20
8	70	100	60	<20	<20
9	10	<20	<20	<20	<20
30	<20	<20	10	<20	<20
1	20	60	40	<20	<20
2	<20	20	80	<20	<20
3	20	80	120	<20	<20
4	10	40	70	<20	<20
5	10	40	50	<20	<20
6	20	40	20	<20	<20
7	10	40	30	<20	<20
8	10	20	40	<20	<20
9	10	<20	60	<20	<20
40	10	40	120	<20	<20
1	20	20	50	<20	<20
2	20	20	40	<20	<20
3	80	40	190	<20	<20
4	40	40	60	<20	<20
5	80	40	40	<20	<20
6	50	40	60	<20	<20
7	20	40	30	<20	<20
8	20	40	40	<20	<20
600949	30	80	140	<20	<20

ANALYTICAL METHODS: Cu, Pb, Zn, Ag, Bi by AAS.



DISTRIBUTION: CSR Exploration, Sydney.

Signed: *[Signature]*



ANALYTICAL RESULTS

Samples from: C.S.R. Exploration.

Area: Sydney.

Samples of: Soil.

Preparation: None.

Batch No.: A 2951.

Sheet No.: 5.

Date: 7/7/79.

SAMPLES WILL BE DISPOSED OF AFTER TWO MONTHS UNLESS WE ARE OTHERWISE ADVISED

Sample Description	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Bi ppm
600950	20	80	30	<20	<20
1	10	<20	20	<20	<20
2	10	20	30	<20	<20
3	10	60	110	<20	<20
4	10	40	90	<20	<20
5	20	100	950	<20	<20
6	20	100	120	<20	<20
7	10	<20	30	<20	<20
8	10	20	30	<20	<20
9	20	<20	50	<20	<20
60	10	60	30	<20	<20
1	10	<20	30	<20	<20
2	20	20	30	<20	<20
3	20	20	60	<20	<20
4	30	40	90	<20	<20
5	40	60	80	<20	<20
6	110	80	170	<20	<20
7	70	40	40	<20	20
8	160	60	100	<20	20
9	230	100	50	<20	<20
70	70	40	80	<20	<20
1	90	60	80	<20	<20
2	140	60	70	<20	<20
3	190	40	210	<20	<20
4	140	60	120	<20	<20
5	140	60	100	<20	<20
6	120	40	90	<20	<20
7	50	40	110	<20	<20
8	90	60	280	<20	<20
9	60	60	50	<20	<20
80	130	40	80	<20	<20
1 A	20	40	30	<20	<20
1 B	60	20	50	<20	<20
2	130	60	240	<20	<20
3	30	60	70	<20	<20
4	10	20	20	<20	<20
5	20	<20	20	<20	<20
6	20	40	70	<20	<20
7	10	20	30	<20	<20
8	10	20	40	<20	<20
9	10	20	30	<20	<20
90	10	20	20	<20	<20
1	10	60	30	<20	<20
2	10	40	40	<20	<20
3	10	40	50	<20	<20
4	10	40	20	<20	<20
5	10	20	20	<20	<20
6	10	40	150	<20	<20
7	10	40	20	<20	<20
600998	10	<20	20	<20	<20

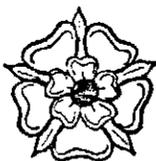
ANALYTICAL METHODS: Cu, Pb, Zn, Ag, Bi by AAS.

DISTRIBUTION: CSR Exploration, Sydney.

Signed



This Laboratory is registered by the National Association of Testing Authorities, Australia. The test(s) reported herein have been performed in accordance with its terms of registration. This document shall not be reproduced except in full.



ANALYTICAL RESULTS

Samples from: C.S.R. Exploration.

Area: Sydney.

Samples of: Soil.

Preparation: None.

Batch No.: A 2951.

Sheet No.: 6.

Date: 7/7/79.

SAMPLES WILL BE DISPOSED OF AFTER TWO MONTHS UNLESS WE ARE OTHERWISE ADVISED

Sample Description	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Bi ppm
600999	10	<20	30	<20	<20
6001000	20	100	330	<20	<20
Repeat and check -					
600751	70	40	40	<20	<20
777	<20	<20	10	<20	<20
820	90	60	40	<20	<20
835	<20	<20	10	<20	<20
855	20	<20	40	<20	<20
876	10	<20	10	<20	<20
906	20	40	40	<20	<20
927	90	60	30	<20	<20
954	10	20	70	<20	<20
976	110	40	80	<20	<20
992	10	40	40	<20	<20

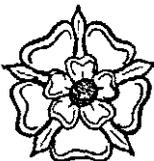
ANALYTICAL METHODS: Cu, Pb, Zn, Ag, Bi by AAS.

DISTRIBUTION: CSR Exploration, Sydney.

Signed *R. Bevan*



This Laboratory is registered by the National Association of Testing Authorities, Australia. The test(s) reported herein have been performed in accordance with its terms of registration. This document shall not be reproduced except in full.



ANALYTICAL RESULTS

Samples from: C.S.R. Exploration.

Area: Sydney.

Samples of: Soil.

Preparation: None.

Batch No.: A 2951.

Sheet No.: 7.

Date: 7/7/79.

SAMPLES WILL BE DISPOSED OF AFTER TWO MONTHS UNLESS WE ARE OTHERWISE ADVISED

Sample Description	Sn ppm	As ppm	Sb ppm	Au ppm
600750	Δ	<50	<30	Δ
1	Δ	<50	<30	Δ
2	Δ	<50	<30	Δ
3	Δ	<50	<30	Δ
4	1	<50	<30	Δ
5	Δ	<50	<30	Δ
6	Δ	<50	<30	Δ
7	1	<50	<30	Δ
8	1	<50	<30	Δ
9	Δ	<50	<30	Δ
60	1	<50	<30	Δ
1	Δ	<50	<30	Δ
2	1	<50	<30	Δ
3	Δ	<50	<30	Δ
4	Δ	<50	<30	Δ
5	Δ	<50	<30	Δ
6	Δ	<50	<30	Δ
7	Δ	<50	<30	Δ
8	1	<50	<30	Δ
9	1	<50	<30	Δ
70	1	<50	<30	Δ
1	1	<50	<30	Δ
2	Δ	<50	<30	Δ
3	Δ	<50	<30	Δ
4	Δ	<50	<30	Δ
5	1	<50	<30	Δ
6	Δ	<50	<30	Δ
7	Δ	<50	<30	Δ
8	Δ	<50	<30	Δ
9	1	<50	<30	Δ
80	Δ	<50	<30	Δ
1	Δ	<50	<30	Δ
2	Δ	<50	<30	Δ
3	Δ	<50	<30	Δ
4	Δ	<50	<30	Δ
5	Δ	<50	<30	Δ
6	Δ	<50	<30	Δ
7	Δ	<50	<30	Δ
8	Δ	<50	<30	Δ
9	Δ	<50	<30	Δ
90	1	<50	<30	Δ
1	3	<50	<30	Δ
2	Δ	<50	<30	Δ
3	Δ	<50	<30	Δ
4	Δ	<50	<30	Δ
5	1	<50	<30	Δ
6	1	<50	<30	Δ
7	Δ	<50	<30	Δ
8	Δ	<50	<30	Δ
600799	10	<50	<30	Δ

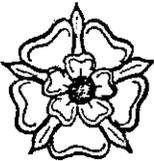
ANALYTICAL METHODS: Sn, As, Sb, Au by ES2.



DISTRIBUTION: CSR Exploration, Sydney.

Signed *R. Lewis*

This Laboratory is registered by the National Association of Testing Authorities, Australia. The test(s) reported herein have been performed in accordance with its terms of registration. This document shall not be reproduced except in full.



ANALYTICAL RESULTS

Samples from: C.S.R. Exploration.

Area: Sydney.

Samples of: Soil.

Preparation: None.

Batch No.: A 2951.

Sheet No.: 8.

Date: 7/7/79.

SAMPLES WILL BE DISPOSED OF AFTER TWO MONTHS UNLESS WE ARE OTHERWISE ADVISED

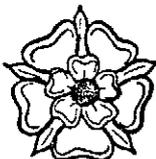
Sample Description	Sn ppm	As ppm	Sb ppm	Au ppm	Sn * ppm
600800	3	<50	<30	<30	
1	1	<50	<30	<30	
2	100	<50	<30	<30	110
3	10	<50	<30	<30	
4	3	<50	<30	<30	
5	<1	<50	<30	<30	
6	10	<50	<30	<30	
7	3	<50	<30	<30	
8	1	<50	<30	<30	
9	<1	<50	<30	<30	
10	3	<50	<30	<30	
1	10	<50	<30	<30	
2	1	<50	<30	<30	
3	<1	<50	<30	<30	
4	1	<50	<30	<30	<20
5	<1	<50	<30	<30	
6	<1	<50	<30	<30	
7	<1	<50	<30	<30	
8	<1	<50	<30	<30	
9	<1	<50	<30	<30	
20	<1	<50	<30	<30	
1	500	<50	<30	<30	480
2	<1	<50	<30	<30	
3	<1	<50	<30	<30	
4	<1	<50	<30	<30	
5	3	<50	<30	<30	
6	3	<50	<30	<30	
7	30	<50	<30	<30	<20
8	3	<50	<30	<30	
9	1	<50	<30	<30	
30	3	<50	<30	<30	
1	3	<50	<30	<30	
2	<1	<50	<30	<30	
3	<1	<50	<30	<30	
4	1	<50	<30	<30	
5	1	<50	<30	<30	
6	<1	<50	<30	<30	
7	<1	<50	<30	<30	
8	1	<50	<30	<30	
9	<1	<50	<30	<30	
40	<1	<50	<30	<30	
1	<1	<50	<30	<30	
2	<1	<50	<30	<30	
3	<1	<50	<30	<30	
4	<1	<50	<30	<30	
5	<1	<50	<30	<30	
6	<1	<50	<30	<30	
7	<1	<50	<30	<30	
8	<1	<50	<30	<30	
600849	1	<50	<30	<30	

ANALYTICAL METHODS: Sn, As, Sb, Au by ESR.
 *Sn by XRF.



DISTRIBUTION: CSR Exploration, Sydney.

Signed *R. Seaman*



ANALYTICAL RESULTS

Samples from: C.S.R. Exploration.

Area: Sydney.

Samples of: Soil.

Preparation: None.

Batch No.: A 2951.

Sheet No.: 9.

Date: 7/7/79.

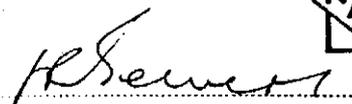
SAMPLES WILL BE DISPOSED OF AFTER TWO MONTHS UNLESS WE ARE OTHERWISE ADVISED

Sample Description	Sn ppm	As ppm	Sb ppm	Au ppm	Sn *
600850	<1	<50	<30	<30	
1	<1	<50	<30	<30	
2	<1	<50	<30	<30	
3	<1	<50	<30	<30	
4	<1	<50	<30	<30	
5	<1	<50	<30	<30	
6	<1	<50	<30	<30	
7	1	<50	<30	<30	
8	3	<50	<30	<30	
9	<1	<50	<30	<30	
60	1	<50	<30	<30	
1	1	<50	<30	<30	
2	1	<50	<30	<30	
3	1	<50	<30	<30	
4	1	<50	<30	<30	
5	1	<50	<30	<30	
6	1	<50	<30	<30	
7	1	<50	<30	<30	
8	3	<50	<30	<30	
9	3	<50	<30	<30	
70	1	<50	<30	<30	
1	1	<50	<30	<30	
2	3	<50	<30	<30	
3	1	<50	<30	<30	
4	1	<50	<30	<30	
5	3	<50	<30	<30	
6	1	<50	<30	<30	
7	1	<50	<30	<30	
8	10	<50	<30	<30	
9	1	<50	<30	<30	
80	1	<50	<30	<30	
1	1	<50	<30	<30	
2	<1	<50	<30	<30	
3	<1	<50	<30	<30	
4	<1	<50	<30	<30	
5	<1	<50	<30	<30	
6	<1	<50	<30	<30	
7	<1	<50	<30	<30	
8	<1	<50	<30	<30	
9	<1	<50	<30	<30	
90	1	<50	<30	<30	
1	<1	<50	<30	<30	
2	1	<50	<30	<30	
3	<1	<50	<30	<30	
4	<1	<50	<30	<30	
5	<1	<50	<30	<30	
6	<1	<50	<30	<30	
7	<1	<50	<30	<30	
8	<1	<50	<30	<30	
600899	<1	<50	<30	<30	

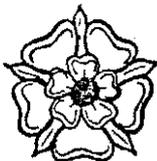
ANALYTICAL METHODS: Sn, As, Sb, Au by ES2.

DISTRIBUTION: CSR Exploration, Sydney.

Signed




This Laboratory is registered by the National Association of Testing Authorities, Australia. The test(s) reported herein have been performed in accordance with its terms of registration. This document shall not be reproduced except in full.



ANALYTICAL RESULTS

Samples from: C.S.R. Exploration.

Area: Sydney.

Samples of: Soil.

Preparation: None.

Batch No.: A 2951.

Sheet No.: 10.

Date: 7/7/79.

SAMPLES WILL BE DISPOSED OF AFTER TWO MONTHS UNLESS WE ARE OTHERWISE ADVISED

Sample Description	Sn ppm	As ppm	Sb ppm	Au ppm
600900	1	<50	<30	<<<
1	1	<50	<30	<<<
2	<<	<50	<30	<<<
3	<<	<50	<30	<<<
4	<<	<50	<30	<<<
5	<<	<50	<30	<<<
6	<<	<50	<30	<<<
7	<<	<50	<30	<<<
8	<<	<50	<30	<<<
9	<<	<50	<30	<<<
10	1	<50	<30	<<<
1	3	<50	<30	<<<
2	<<	<50	<30	<<<
3	<<	<50	<30	<<<
4	<<	<50	<30	<<<
5	<<	<50	<30	<<<
6	<<	<50	<30	<<<
7	<<	<50	<30	<<<
8	<<	<50	<30	<<<
9	<<	<50	<30	<<<
20	<<	<50	<30	<<<
1	<<	<50	<30	<<<
2	<<	<50	<30	<<<
3	<<	<50	<30	<<<
4	<<	<50	<30	<<<
5	<<	<50	<30	<<<
6	<<	<50	<30	<<<
7	<<	<50	<30	<<<
8	<<	<50	<30	<<<
9	<<	<50	<30	<<<
30	<<	<50	<30	<<<
1	<<	<50	<30	<<<
2	<<	<50	<30	<<<
3	<<	<50	<30	<<<
4	<<	<50	<30	<<<
5	<<	<50	<30	<<<
6	<<	<50	<30	<<<
7	<<	<50	<30	<<<
8	<<	<50	<30	<<<
9	<<	<50	<30	<<<
40	<<	<50	<30	<<<
1	<<	<50	<30	<<<
2	<<	<50	<30	<<<
3	<<	<50	<30	<<<
4	<<	<50	<30	<<<
5	<<	<50	<30	<<<
6	<<	<50	<30	<<<
7	<<	<50	<30	<<<
8	<<	<50	<30	<<<
600949	<<	<50	<30	<<<

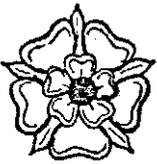
ANALYTICAL METHODS: Sn, As, Sb, Au by ES2.

DISTRIBUTION: CSR Exploration, Sydney.

Signed *[Signature]*



This Laboratory is registered by the National Association of Testing Authorities, Australia. The test(s) reported herein have been performed in accordance with its terms of registration. This document shall not be reproduced except in full.



A.C.S. Laboratories Pty. Ltd.
 50 MARY STREET
 UNLEY, S.A. 5061
 P.O. BOX 3
 UNLEY, S.A. 5061
 PHONE: 272 5733

055069

ANALYTICAL RESULTS

Samples from: C.S.R. Exploration.

Area: Sydney.

Samples of: Soil.

Preparation: None.

Batch No.: A 2951.

Sheet No.: 11.

Date: 7/7/79.

SAMPLES WILL BE DISPOSED OF AFTER TWO MONTHS UNLESS WE ARE OTHERWISE ADVISED

Sample Description	Sn ppm	As ppm	Sb ppm	Au ppm	Sn * ppm
600950	△	△50	△30	△△	
1	△	△50	△30	△△	
2	△	△50	△30	△△	
3	△	△50	△30	△△	
4	△	△50	△30	△△	
5	△	△50	△30	△△	
6	2000	△50	△30	△△	920
7	△	△50	△30	△△	
8	△	△50	△30	△△	
9	△	△50	△30	△△	
60	△	△50	△30	△△	
1	10	△50	△30	△△	
2	△	△50	△30	△△	
3	△	△50	△30	△△	
4	△	△50	△30	△△	
5	△	△50	△30	△△	
6	△	△50	△30	△△	
7	△	△50	△30	△△	
8	△	△50	△30	△△	
9	△	△50	△30	△△	
70	△	△50	△30	△△	
1	△	△50	△30	△△	
2	△	△50	△30	△△	
3	△	△50	△30	△△	
4	△	△50	△30	△△	
5	△	△50	△30	△△	
6	△	△50	△30	△△	
7	△	△50	△30	△△	
8	△	△50	△30	△△	
9	△	△50	△30	△△	
80	△	△50	△30	△△	
1A	△	△50	△30	△△	
1B	△	△50	△30	△△	
2	△	△50	△30	△△	
3	△	△50	△30	△△	
4	△	△50	△30	△△	
5	△	△50	△30	△△	
6	△	△50	△30	△△	
7	△	△50	△30	△△	
8	△	△50	△30	△△	
9	△	△50	△30	△△	
90	△	△50	△30	△△	
1	1	△50	△30	△△	
2	△	△50	△30	△△	
3	△	△50	△30	△△	
4	△	△50	△30	△△	
5	△	△50	△30	△△	
6	△	△50	△30	△△	
7	△	△50	△30	△△	
8	△	△50	△30	△△	
9	△	△50	△30	△△	

ANALYTICAL METHODS: 6001000

Sn, As, Sb, Au by ES2; Sn* by XRF.

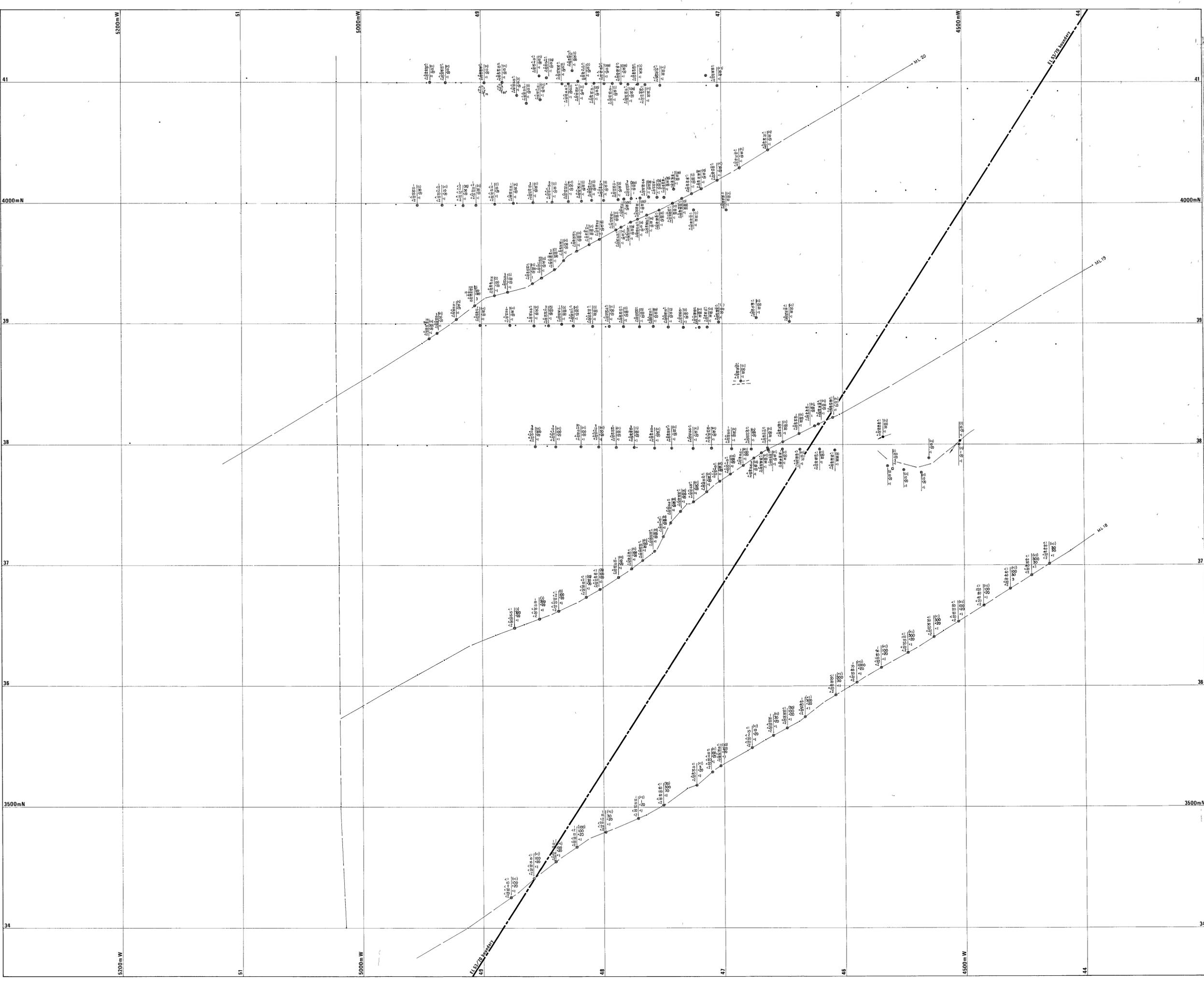


DISTRIBUTION: CSR Exploration, Sydney.

Signed

[Handwritten Signature]

This Laboratory is registered by the National Association of Testing Authorities, Australia. The test(s) reported herein have been performed in accordance with its terms of registration. This document shall not be reproduced except in full.



- REFERENCE**
- River, creek
 - Track
 - Alluvial flats
 - Burton grass flats
 - Ti tree scrub
 - Edge of farmland
 - Ridge top
 - Edge of high level ground (scarp)
 - Strike and dip of bedding
 - Strike and dip of jointing
 - Shaft
 - Mst
 - Drainage, trench
 - Culvert
 - Diamond drill hole
 - Lease boundary
- Reg. 1 Regs not always on rectangular grid lines*

- QUATERNARY**
- Qra Alluvium (i.e. Burton grass flats)
 - Qg Gravels
 - Ql Laminitic bodies - gossium etc
- TERTIARY**
- Tg Gravels
- CAMBRIAN**
- A CRIMSON CREEK ARGILLITE
Thin clay with thin beds of purple mudstone and purple mudstone with thin beds of purple mudstone (111111) AT MARKER SEQUENCE (interbedded)
 - M Locally a 50-100m thick sequence of the magnetic upper and lower chert horizons separated by dolomite. Its base is an unconformity on Cambrian to Argillite. The basal marker is a 100m thick argillite (chert) shale.
 - D Low clay, long thin, interbedded above Cambrian Quaternaries & Slates.
- PROTEROZOIC**
- N QDVA QUANTZITE & SLATES
Thin bedded quartzite with thin beds of purple mudstone. From regions separated by more easily eroded shales or slates. 1" at top base shales.
- DEVONIAN**
- G WEIRDITH GRANITE
Granite (G) with quartz porphyry (Gpp) diorite (Gd) etc phases.

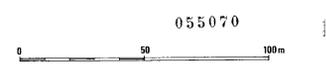
- v Volcanics of the Crumpton Group (e.g. Volcanics)
- g Gneiss etc
- s Silstone quartzite or siltstone (e.g. As)
- sh Shale - black shale
- m Mudstone
- d Dolomitic carbonates
- c Chert - bedded chert
- h Soil (e.g. 111111 granitic soil or slope wash)
- h Horrocks (e.g. WA hornfelsed Crumpton Cr Argillite)

- Stream sediment sample
- Rock chip sample
- Soil sample 1 x 0.3m depth
- Soil sample from auger hole 1.2m depth

CHEMICAL ANALYSES OF SOIL SAMPLE FRACTIONS

PPM	-20 Mesh	-20 Mesh
Sn	(x1)	30
Cu		20
Zn		20
Pb		41
Ag		41

(x below limit of detection)



PACMINEX PTY. LIMITED

E L 53/70, STANLEY RIVER, TASMANIA

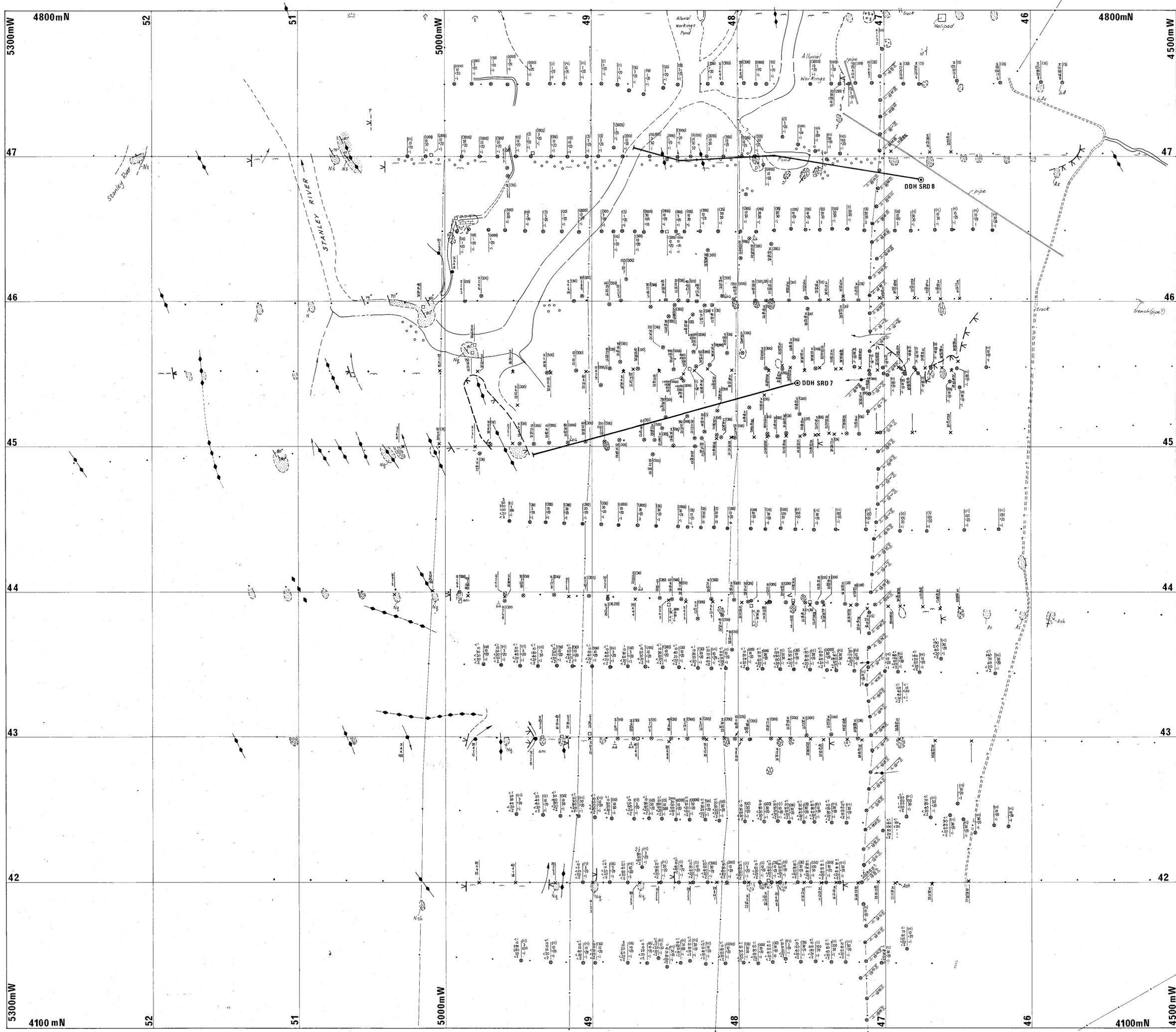
STANLEY REWARD GRID 34N-41N

SOIL GEOCHEMISTRY
(Sn, Cu, Zn, Pb, Bi)

5 cm

SCALE 1:1000	DRG No
DRAWN P.M.M./P.R.	K 553-13
DATE Dec '78	
REVISED	

920-1471



- REFERENCE
- River, creek, track
 - Edge of alluvial flat
 - Ridge top (especially 1st ridge West of Livingstone Cr.)
 - Strike & dip of bedding/jointing
 - Fault

- TERTIARY Gr Gravels
- CAMBRIAN A Crimson Creek Argillite
M Marker Sequence (inferred)
D Dolomitic Sequence: dolomite (Dd), dolomitic siltstone (Dds), shale (Dsh), chert (Dc), etc. Forms a low-lying alluvial covered area immediately overlying the Onah Formation (N)
- ?PROTEROZOIC N Onah Quartzite & Slate: top units are finely bedded sericitic quartzite siltstones (Ng)
- DEVONIAN G Meredith Granite: granite (G) with quartz porphyry (Gq,p), diorite (Gd), etc. phases.

- V Volcanics (ie Av etc.)
- g Greywacke
- q Quartzitic siltstone
- s Siltstone
- sh Shale, black shale
- m Mudstone
- d Dolomite (ie Md, Dd etc.)
- ds Banded green micaceous dolomitic siltstone
- c, oc Chert, black siltite chert
- S₁ S₂ S₃ Soil ie ⁺granitic soil
- A₁ A₂ Silt-clay to slope wash soil (SNS)

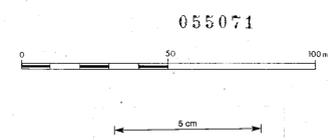
- Auger hole
- Dolomite at depth in auger hole (under alluvials)
- Dolomite fragments (alluvial?) in auger hole ~1m depth

- Stream sediment sample
- Rock chip sample
- Soil sample ± 0.3m depth
- Soil sample from auger hole 1-2m depth

CHEMICAL ANALYSES OF SOIL SAMPLE FACTONS

P.P.M.	- 80 Mesh	- 20 Mesh
Sn	20	(300)
Cu	2	
Zn	4	
Pb	8	
Bi	10	
Ag		

(x below limit of detection)



PACMINEX PTY. LIMITED

E.L.53/70, STANLEY RIVER, TASMANIA
 STANLEY REWARD GRID 41N-48N
 SOIL GEOCHEMISTRY
 (Sn, Cu, Zn, Pb, Bi)

SCALE	1:1000	K 553-14
DRAWN	P.M.M. / P.H.	
DATE	SEPT. 77 N.W.71	
REVISED	DEC. 78	

80-1471