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Prospect 600

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PACMINEX PTY. LIMITED

GEOCHEMICAL SAMPLING, 1978

E.L. 53/70

STANLEY RIVER

WEST TASMANIA

PMR 103/78

SYDNEY

November, 1978

P.M. MACNAMARA

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LIST OF ILLUSTRATIONS

PLANS (IN POCKET) No plans / no pocket ?

KEYWORDS

TASMANIA	GEOCHEMISTRY
SOIL	SEDIMENT
TIN	COPPER
LEAD	ZINC
BISMUTH	ELECTROMAGNETIC
1978	9EL 53/70
1977	8SK 55-03

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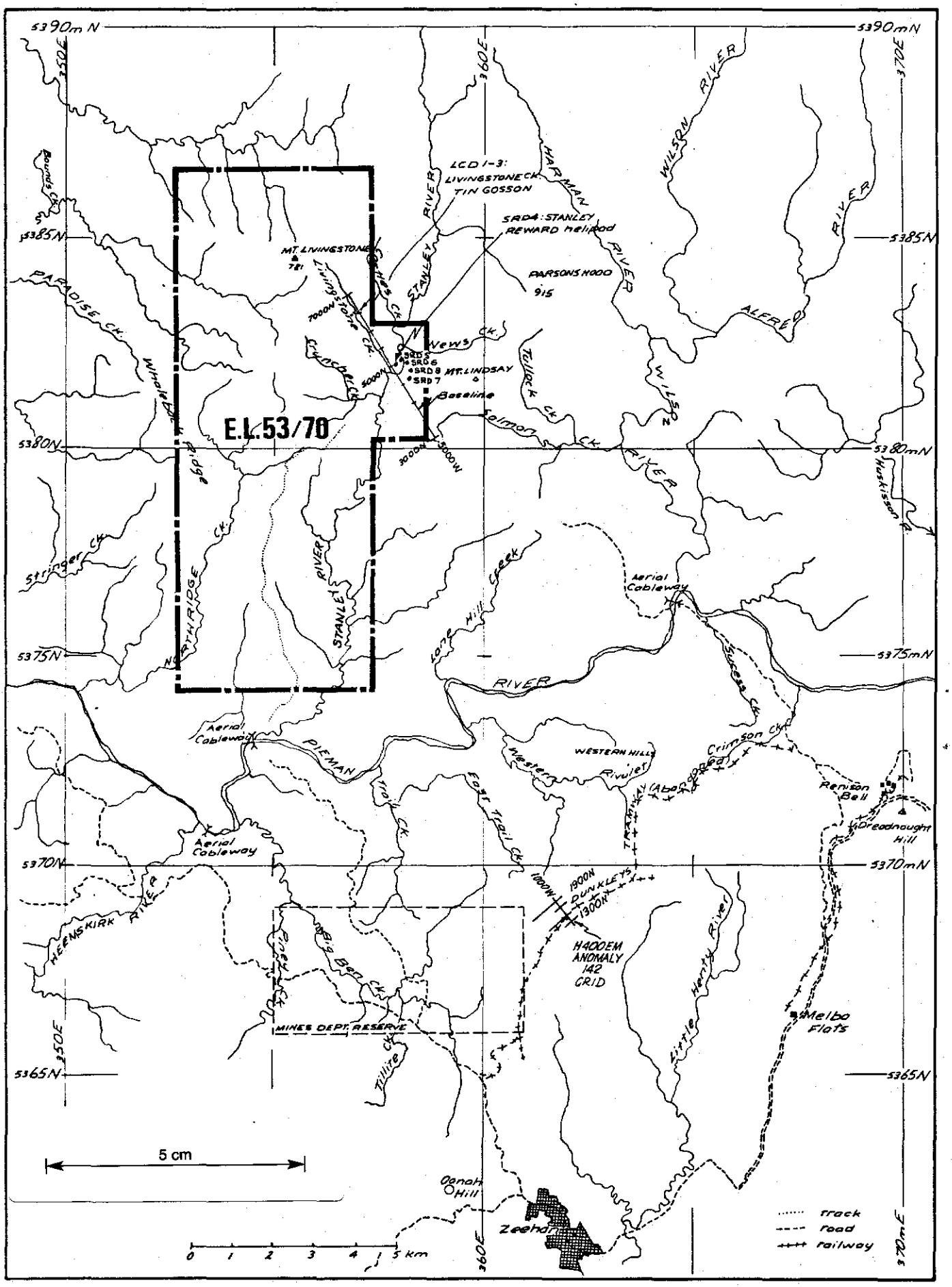

FIG. 1 LOCATION MAP E.L. 53/70 STANLEY REWARD AREA TASMANIA

1. INTRODUCTION

1.1 In the period January to April 1978, Pacminex conducted a programme of ground exploration over the northern part of E.L. 53/70, Stanley River, West Tasmania (Figure 1).

1.2 Most of the work consisted of intensive soil auger testing of the gravel covered Stanley Reward dolomite zone south of line 5000N (Figure 2). This was aimed at locating any extensions of the "45N/48W" tin-copper soil geochemical anomaly south of line 4400N, and at defining it more closely in the north. Auger probing down to 2 m depth was persisted with in order to obtain penetration of the gravels to bedrock where possible. Most of the augering was along new lines intermediate to the main cross-lines. These were cut in early 1978 when 6.5 km of additional grid lines were made.

1.3 An extension northwards of the 5000W base line enabled access to an upper section of Livingstone Creek above the Livingstone Creek Tin Gossan. This area was drainage sampled (Figure 4).

1.4 1.5 km to the west of the Livingstone Creek Tin Gossan is an area which includes airborne E.M. Anomaly 019. Nearby is an earlier located tin drainage anomaly which was confirmed as 240 ppm Sn in 1974. This area also was checked further by drainage and soil sampling.

1.5 In mid 1977 an orientation group of soil samples were selected from the main batch augered in early 1977 on the Stanley Reward Grid. These indicated that the -20 mesh size soil fraction defined tin anomalies more strongly than the -80 mesh fraction. (On the other hand, mobile elements such as Cu, Zn, Bi etc. report more strongly in the -80 mesh fraction). The remainder of the 1977 batch of samples were sieved to -20 mesh and chemically analysed in November, 1977.

1.6 This report covers the results of chemical analyses of -20 mesh fractions of samples collected in the 1978 programme. The remainder of the 1977 results mentioned above are incorporated also.

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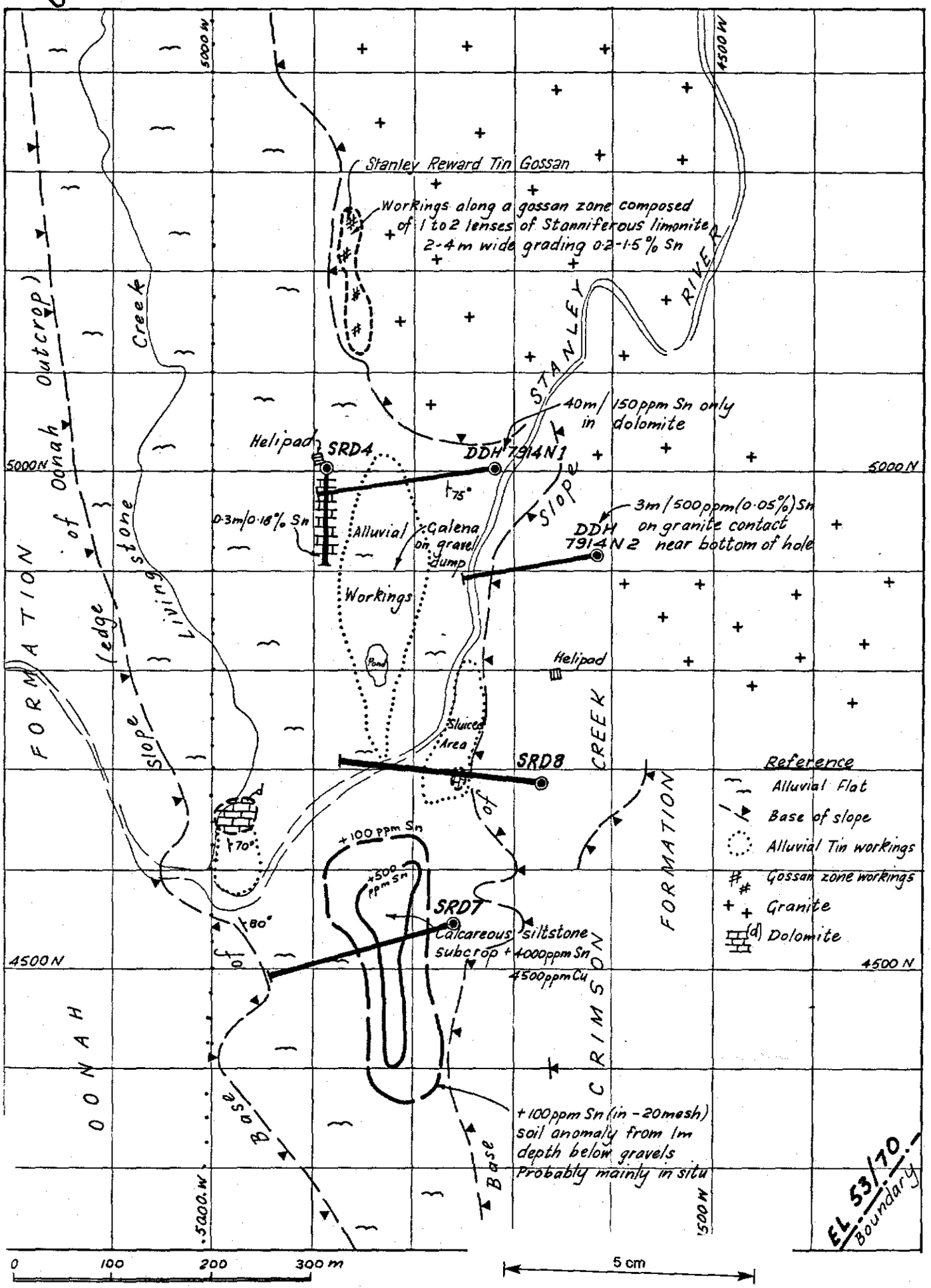

FIG. 2. TIN OCCURRENCES STANLEY REWARD AREA

E. L. 53/70 TASMANIA

2. SUMMARY

2.1 Soil sampling on the Stanley Reward Grid to date has extended the "45N/48W" tin-copper soil anomaly southwards to line 4000N (Figure 3). This is an additional 400 m of strike length compared with the October, 1977 data (Figure 2).

Down dip testing by drilling of this anomaly for strong mineralisation appears warranted.

A considerable body of geological, geochemical and geophysical data exists from 1978 and prior surveys of the grid. This should be assessed to determine structure prior to drill site selection. The study should particularly aim at detecting the attitude of conductors and geochemical anomalies and the presence of any cross-fracture feeder channels controlling mineralisation distribution.

2.2 A geochemical soil anomaly with values to 300 ppm Sn occurs in the vicinity of 44N/58W, in Oonah Quartzite and Slate. Values to 1,000 ppm Zn, 200 ppm Cu, 100 ppm Bi, 10 ppm Mo and 5 ppm Ag occur in various adjacent samples. Some of the higher values are associated with a (?) basic igneous rock, which may be a dyke or an extrusive. An airborne aeromagnetic high paralleling regional trends occurs 100 to 150 m to the east.

Some follow-up work is suggested to check the geochemical anomaly and any analogies with Zeehan-type mineralisation which occurs near the top of the Oonah Quartzite and Slate in the vicinity of basic volcanics near Zeehan.

2.3 A 30 ppm Sn drainage value in the upper section of Livingstone Creek, above Livingstone Creek Tin Gossan, is apparently anomalous (Figure 4). Further checking is recommended.

2.4 A 240 ppm Sn anomaly confirmed in 1974 1.5 km west of Livingstone Creek was not re-confirmed by 1978 check sampling. Further orientation work on drainage samples from anomalous areas appears to be required to establish a sampling medium and technique which give repeatable results in anomalous situations. It would be desirable to establish such techniques before prospecting granite terrains such as the Mount Meredith Granite in the northern part of the E.L.

3. BACKGROUND

3.1 In the Stanley Reward-Livingstone Creek area, the topographically low dolomite horizon at the top of the Oonah Quartzite and Slate is prospective for tin mineralisation and consequently has been gridded.

Prospectiveness was originally suggested by the presence of the Renison Bell tin mine apparently in the same horizon 16 km to the south-east. It was confirmed by the presence of two stanniferous limonite bodies, apparently weathered skarns, within the gridded area. These two "gossans" are the only exposures of mineralisation on the grid and occur on the edges of a strike valley (Livingstone Creek). The prospective dolomite was inferred to underlie gravels which cover the strike valley floor and a topographically low extension along strike to the south.

3.2 Late in the 1976 field programme attempts were made with a soil auger to forcefully penetrate the gravels near root zones of large standing and overturned trees in the hope of obtaining geochemical response originating from the dolomite horizon below. Using the -80 mesh soil fraction, this augering located two strong tin-copper anomalous samples, one each on two lines (4500N, 4550N) 50 m apart near 4825W. Chemical analyses of soft dolomitic shaley rubble brought up in the roots of an overturned tree at one of these sample sites indicated a residual origin to the tin-copper anomaly.

Still using the -80 mesh fraction of all samples collected, the 1977 augering programme extended the length of the anomaly. A number of samples straddling the resultant -80 mesh tin-copper anomaly were subsequently sieved to -20 mesh and chemically analysed for the usual metals (Sn, Cu, Zn, Pb, Bi). Results indicated tin values report more strongly in the -20 mesh soil fraction, but the more chemically mobile elements (Cu, Zn, Bi) are revealed more strongly in the -80 mesh fraction.

The -80 mesh fraction copper and zinc values appear to provide very useful support to -20 mesh fraction tin anomaly trends. High Cu and Zn values normally occur associated with high Sn values, and are reasonably reproduceable in this fraction. On the other hand, -20 mesh fraction Sn values in anomalous samples are poorly reproduceable. This is probably due to the "spotty" distribution of cassiterite grains in the sample plus the hardness of cassiterite inhibiting homogenization during sample preparation. Close spaced sampling offsets this erratic reporting of Sn values to some extent.

3.3 The anomaly as defined to October 1977 is shown on Figure 2 and reported on by Macnamara (1977b).

3.4 In November, 1977 chemical analyses were performed on the -20 mesh fraction of the remainder of those 1977 samples whose -20 mesh fraction had not been tested to that date. Results are shown in Appendix II of this report. They indicate that the "45N/48W" geochemical anomaly extends southwards to at least 4,300N.

3.5 Results of the 1978 augering on the Stanley Reward Grid are summarized on Figure 3. Detailed analyses are shown in Appendix I and on drawings attached to this report.

3.5 The results of drainage sampling of the upper reaches of Livingstone Creek are shown on Figures 4 and 5 and in Appendix I (sample numbers 600 1243 to 600 1256).

3.7 The results of drainage and soil sampling of the airborne H400 E.M. Anomaly 019 area are shown on Figure 5 and in Appendix III.

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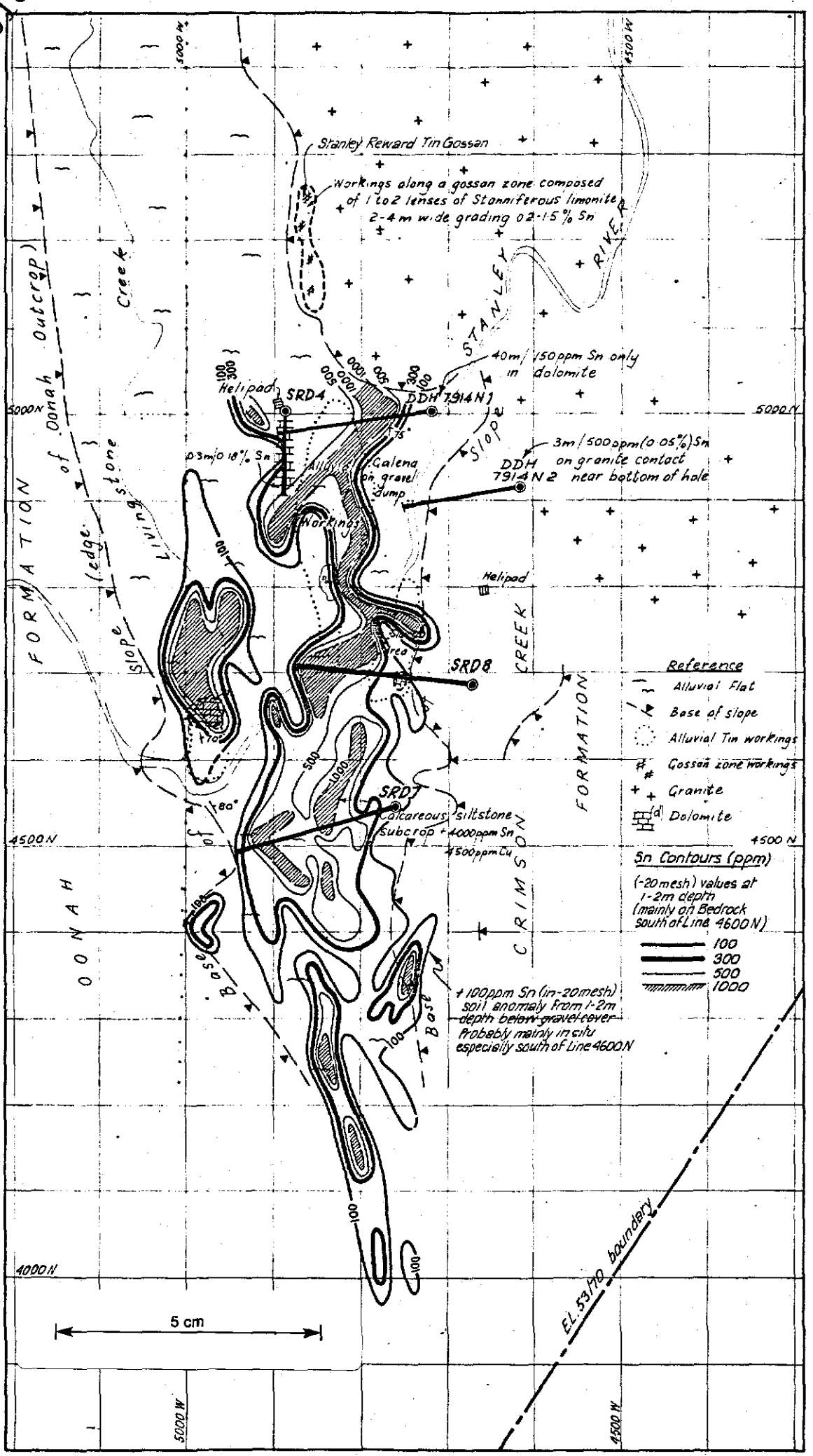

FIG. 3. TIN DISTRIBUTION, STANLEY REWARD, 1978 - E.L. 53/70 TAS.

4. STANLEY REWARD GRID SOIL GEOCHEMISTRY

4.1 Forceful and repeated probing with a soil auger to 1 to 2 m depth in gravels has outlined the anomaly shown in Figure 3. Detailed chemical analyses and auger hole positions are shown in DWGs K553-13, 14 and 15.

4.2 North of line 4750N, forceful augering has not been done to date on most lines. Shallow testing with a mattock and using the -80 mesh fraction has been reported on by Macnamara (1977a). Much of the area is probably covered by large cobble and gravel material too thick and too closely packed to be penetrated by hand augering. However, some thinner zones of gravels may occur and be amenable to penetration to bedrock by forceful augering.

The overall shape of the anomaly north of line 4750N, as shown on Figure 3, reflects the lack of deep augering and the fact that many (most?) anomalous results are probably from gravel horizons above bedrock. However, the anomaly in on the same general line as the Stanley Reward Gossan to the north and the residual Sn-Cu anomaly at 4550N/4825W to the south. It therefore probably reflects an in-situ geochemical anomaly beneath the gravel cover.

4.3 A pit was blasted and then deepened to 2.4 m in gravels at 4985N/4935W in early 1978. This yielded 1,000 ppm Sn (-20 mesh) in the interval 1.4 to 2.4 m depth (samples 600 1237 to 600 1238). The hole was not bottomed.

Gravels extend up the valley to at least 6600N. Testing for alluvial tin is desirable but without road access available techniques are primitive and crude and restricted to a few metres from the surface.

4.4 DWG K553-14 shows that south of line 4750N the thickness of gravel cover decreases generally towards line 4500N. Penetration by persistent augering becomes increasingly less difficult over wider areas in this direction, except for

thick gravels adjacent to the Stanley River.

4.5 South of line 4500N, gravels are thinnest - probably only 1 to 2 m thick over much of the main central part of the dolomite horizon.

4.6 Slope scree (colluvials) from the higher ground of the Oonah Quartzite and Slate immediately to the west covers part of the western margin of the dolomite horizon south of line 4550N. This scree cover is in the general vicinity of line 4900W.

4.7 To the east of the dolomite flat, the Crimson Creek Formation forms steep slopes covered by deeply weathered dense clayey soil of fairly uniform appearance. Very little original rock fabric is recognisable in these soils and it is difficult to establish on the flatter areas where the soil is particularly thick whether the soil is residual or slope wash (colluvial).

A base-of-slope "terrace" composed of Crimson Creek Formation clayey soil occurs between (approximately) 4650W and 4725W. It is several metres above the mud/gravel covered dolomite flat to the west of 4725W. It is difficult to establish whether this terrace is composed of soils or of slope wash. Much of it could be colluvial material formed by slope wash or slumping of soils off the steep slopes east of the walking track near 4600W. If so, even deep augering of the terrace and lower slopes between 4725W and 4600W is suspect to some extent due to uncertainty about the residual nature of the soils sampled. On the other hand, there is little solid evidence to indicate that concealed geochemical anomalies are probable in this zone.

4.8 Appendix I illustrates that augering in 1978 commenced in the south, on line ML 18 and thence progressed northwards along cut lines. The first appearance of calc-silicate material in an auger hole (sample 600 875) occurred

on line 4000N at 4754W and coincided with the first strong tin response. Closer spaced augering to the south is required to determine whether the dolomite thins out (facies) or whether a structure offsets it (fault, plunging fpld, squeezing, etc.) or some similar factor is operative. Chemical analyses of the -80 mesh fraction of soil samples is desirable as an anomaly extension southwards of line 4000N may manifest itself as a copper or zinc anomaly or halo.

4.9 Between 4000N and 4400N, soil augering has defined a linear anomaly straddling the 4800W line. Values in places exceed 1000 ppm Sn. A weak 100 ppm Sn anomaly is intermittently developed to the east straddling 4750W.

4.10 North of 4300N, the anomalous zone widens out and becomes larger and stronger in places. This may be related to a widening of the primary bedrock anomaly and/or redistribution of soil values over a larger area by alluvial action. There is a possibility that additional mineralised bedrock occurs associated with the soil auger anomalies near the 5000W line at 4400N and from 4600N to 4900N.

4.11 Future testing of the area will involve drilling for strong mineralisation down dip of the geochemical tin anomaly in the zone 4000N to 4550N (Figure 3).

It is intended to make a detailed study of all available data aimed at optimizing drill hole potential. This will aim at detecting mineralised cross-features ("feeders"), structures within the dolomite sequence and down-dip attitudes of conductors and geochemical anomalies. Detailed geological, geochemical, ground magnetic, I.P., resistivity and VLF-E.M. survey data has been obtained on the grid over the past few years and will facilitate this study. The extended 1978 field programme was particularly aimed at this problem.

5. THE "44N/58W" GEOCHEMICAL ANOMALY

5.1 A number of high tin values in the -20 mesh fractions of soil samples occur in the general vicinity of 4400N/5800W. Two samples contained 300 ppm Sn.

The relevant block of samples is 600 646 to 600 664 (Appendix II). Locations and -80 mesh fraction chemical analyses are listed by Macnamara (1977b).

5.2 Some of the Sn-anomalous samples occur associated with a (?) basic igneous rock which may be a dyke or the first appearance of volcanics towards the top of the Oonah Quartzite and Slate . By analogy with the Zeehan type of mineralisation with which volcanics (spilites) are spatially associated, the horizon deserves further attention.

5.3 In the block of samples 600 646 to 600 664, values to 300 ppm Sn, 1000 ppm Zn, 200 ppm Cu, 100 ppm Bi, 10 ppm Mo, 5 ppm Ag were detected in the -20 mesh fraction of various samples by emission spectrograph. The initial determinations were done on the -80 mesh fraction of these samples by A.A.S. in mid-1977. Sn, Cu, Zn, Pb, Bi, Ag results seemed high for samples from the Oonah Quartzite and Slate but not exceptionally high if, for instance, black shales were involved.

5.4 The area and the horizon warrant further checking.

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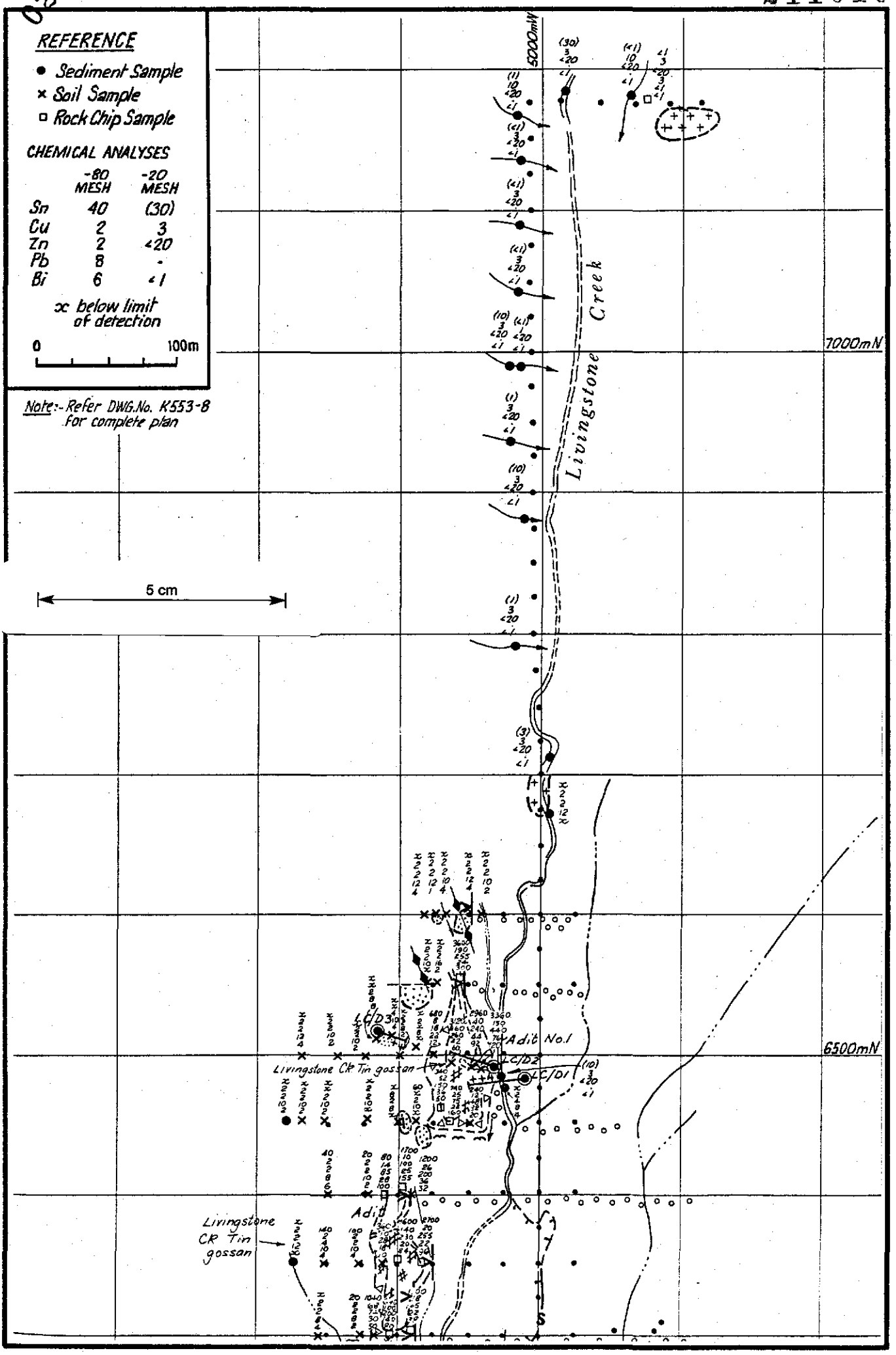

FIG.4. GEOCHEMICAL DRAINAGE SAMPLING, UPPER LIVINGSTONE CK, GOSSAN ZONE E.L. 53/70 STANLEY RIVER, TASMANIA

6. UPPER LIVINGSTONE CREEK DRAINAGE SAMPLING

6.1 In early 1978, the 5000W base line was extended northwards of the Livingstone Creek Tin Gossan to assist an I.P. survey. The extensions were from 6650N to 7175N and a short cross-line was cut eastwards of 5000W at 7175N.

Drainages along the baseline extension and the cross-line were sampled. Results of -20 mesh fraction determinations are shown on Figures 4 and 5, and sample descriptions (600 1243 to 600 1256) listed in Appendix I.

6.2 The strongest value obtained was 30 ppm Sn in a sample from the highest point of Livingstone Creek sampled to date (600 1245). The value does not appear especially strong when compared with -20 mesh fraction soil values obtained on the Stanley Reward Grid. However it is much stronger than values obtained from Livingstone Creek immediately adjacent to Livingstone Creek Tin Gossan (10 ppm in 600 1256), and those obtained from drainages between these two sample points (Figure 4). The value is also much stronger than those encountered in drainage and soil samples in the vicinity of E.M. Anomaly 019 (see Section 7 and Appendix III).

6.3 Thus the value needs to be verified and probably followed up with detailed drainage sampling. The anomalous site is in granite, or on the contact, and could be suitable for orientation sampling to select the best medium for testing granitic terrains by drainage geochemistry.

This is important for assessing the rugged granite country in the northern part of E.L. 53/70 where drainage testing appears to be the only feasible method of initial assessment.

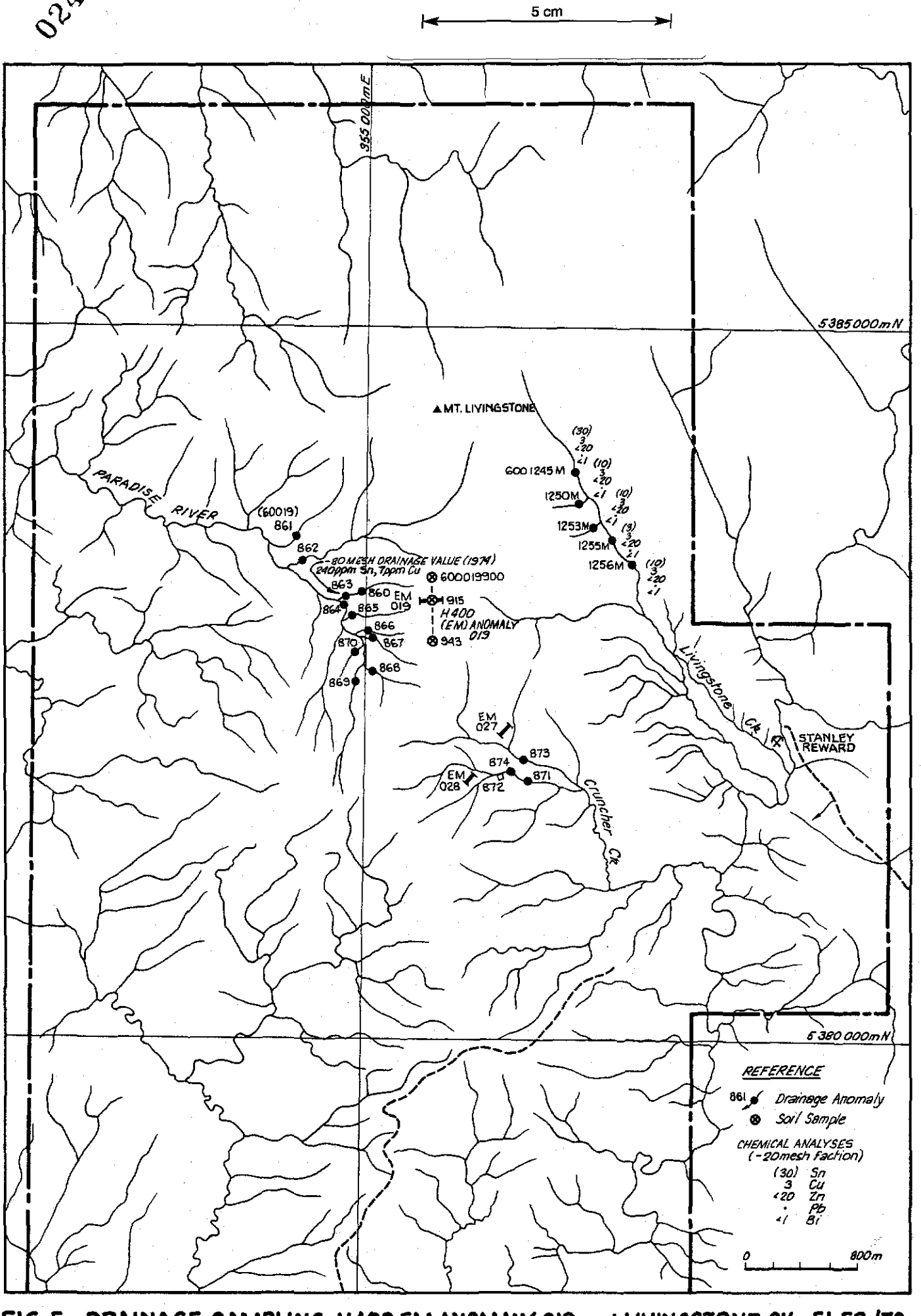

FIG. 5. DRAINAGE SAMPLING H400 EM ANOMALY 019 and LIVINGSTONE CK - EL 53/70

7. AIRBORNE E.M. ANOMALY 019

7.1 The 1975 airborne McPhar H400 E.M. Survey located an E.M. anomaly numbered 019 lying 1.5 km to the west of Livingstone Creek and 1.4 km south of Mount Livingstone. The E.M. anomaly is upslope from a 240 ppm Sn drainage anomaly confirmed on -80 mesh material the previous year (Figure 5).

7.2 In 1978, the general area was drainage sampled and a soil sampling line was run across the E.M. anomaly. Sample locations are shown on Figure 5. Chemical analyses and descriptions of samples collected are listed in Appendix III. Drainage sample numbers are 600 019860 to 874. Soil samples are numbered 600 019900 to 943.

7.3 On the soil sample traverse across E.M. Anomaly 019 a single value of 100 ppm Sn (sample 600 019929) was the highest value recorded, in a "medium grey silty soil". All other samples on the traverse analysed no higher than 10 ppm Sn. The single 100 ppm value could be due to a black shale. It is unlikely to be an indication of mineralisation.

7.4 Sample numbers 600 019860 to 863 tested the creek in which 240 ppm Sn had been detected in 1974 in the -80 mesh fraction. Both samples yielded low values (less than 5 ppm Sn).

The results indicate the erratic nature of detrital tin distribution in the drainage. Orientation work may indicate a different size fraction other than the -20 or -80 mesh more suitable for obtaining consistent and reliable results.

7.5 At present there appears to be no strong reason for further follow-up work in this area. It could be included in any future programme designed to check the drainages off the Mount Meredith Granite which occurs upslope. Such a programme would require orientation work to select the best sampling medium.

8. REFERENCES

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

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

APPENDIX I

CHEMICAL ANALYSES, 1978 AUGERED SOIL SAMPLES
-20 MESH FRACTION, STANLEY REWARD GRID

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

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AREA EL 53/76 STANLEY River PROSPECT NUMBER 600
STATE TAS LOCATION STANLEY REWARD 1:100,000 SHEET 7914 Pieman

DATE SAMPLED 9.1.78
SAMPLER P. MACNAMARA

LABORATORY
REPORT NO.
ANALYTICAL METHOD

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

ADDITIONAL 028
A = Crimson Ck. Argillite

SAMPLE NUMBER	SAMPLE TYPE	APERTURE MESH (MICRONS)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	Ag	SUMMARY DESCRIPTION	LOCATION N/S	LOCATION LINE
600750	S	-20	<1	30	20		<1		0-0.7m Khaki clayey soil - Crimson Ck Fm - in situ? (A)	180N	ML18
		-80									
600751	S	-20	<1	300	30		<1		0-0.5m wd. khaki clay soil ē gr. blk horfelsed g/wacke sst. frags. - in situ. (A)	162N	ML18
		-80									
600752	S	-20	<1	100	30		3		0-0.7m As for 600751 (A)	141N	ML18
		-80									
600753	S	-20	<1	100	<20		<1		0.5m : xalline hornfels ē pyrite - g/wacke or basalt? plus Khaki shy. wd. rk - residual? (A)	115N	ML18
		-80									
600754	S	-20	<1	100	<20		<1		0.6m : A - mauve clay shale - base of main slope. - residual.	90N	ML18
		-80									
600755	S	-20	<1	300	<20		<1		1.7m : residual Pale white - yellow clay shale, overlain by khaki clay	65N	ML18
		-80									
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									
600757	S	-20	<1	100	<20		<1		1.5m : residual white-red brown silty clay soil (A?)	15N	ML18
		-80									
600758	S	-20	<1	1000	<20		<1		1.3m : Crimson Ck. Fm clay (Khaki) - A	14S	ML18
		-80									
600759	S	-20	<1	300	30		<1		0.6m : khaki A clay, broken rock at bottom.	30S	ML18
		-80									
600760	S	-20	<1	300	<20		<1		1.2m Khaki clay (A) - on flat at 55 S	60S	ML18
		-80									
600761	S	-20	30	100	<20		<1		1.9m - mud flat (horizontal scrub); black oolitic chert fragments at 1.9m (Ooc)	78S	ML18
		-80									
600762	S	-20	<1	30	<20		<1		0.6m : limonitic clay, ? black sh; oolitic chert fragments - top of? chert "ridge" at 106 S	93S	ML18
		-80									
600763	S	-20	<1	10	<20		<1		0.4m : d.grey to grey black shale	113S	ML18
		-80									
600764	S	-20	30	300	<20		<1		0.2m : hard bottom - clay + broken fragments	143S	ML18
		-80									
600765	S	-20	<1	100	<20		<1		0.2m : hard Pale grey, slightly limonitic shale	152S	ML18
		-80									
600766	S	-20	<1	3	<20		<1		0.7m : Pale limon. brown silty sh or slst.	172S	ML18
		-80									
600767	S	-20	30	300	30		<1		white clay, Pale yellow brown in places - No calc-silicate minerals seen. (check Ca)	203S	ML18
		-80									
600768	S	-20	<1	1	<20		<1		Pale cream clay, limonite patches - Sh.	227S	ML18
		-80									
600769	S	-20	<1	30	<20		<1		Pale grey slst - Sh., Pale clay soil	257S	ML18
		-80									
600770	S	-20	100	100	<20		<1		black Shale fragments - in situ? - base of slope.	283S	ML18
		-80									

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

AREA EL53/70 STANLEY River PROSPECT NUMBER 600 DATE SAMPLED JAN. 78 LABORATORY REPORT NO. ____

STATE TAS LOCATION STANLEY REWARD 1:100,000 SHEET 7914 Pieman SAMPLER P. MACNAMARA ANALYTICAL METHOD ____

NOTATIONS: SAMPLE TYPE – M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock

ANALYSES: Please state element

ADDITIONAL: Ns - Oonah Qzit S - quartzitic slst.

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (SIEVE/MICRONS)	Sn	Cu	Zn	Pb	Bi				SUMMARY DESCRIPTION	LOCATION E/W	ML18, 19 LINES
											Oonah Quartzite and Slate scree – qtzitic slst (Ns)		
600771	S	-20 -80	<1	100	<20		<1					304S	ML18
600772	S	-20 -80	<1	100	<20		<1				0.6m : Oonah soil, Ns fragments – grey Ns soil	328S	ML18
600773	S	-20 -80	<1	100	<20		<1				0.5m . Ns soil – Ns fragments (in situ?)	355S	ML18
600774	S	-20 -80	1	300	<20		<1				1.0m – bedrock Oonah, grey silty shale (Nsh), Ns scree 0–1m.	332S	ML19
600775	S	-20 -80	1	300	<20		<1				0.7m – Nsh – black shale, Ns scree 0–0.7m	310S	ML19
600776	S	-20 -80	1	100	<20		<1				0.3m : grey Ns scree	293S	ML19
600777	S	-20 -80	10	30	<20		<1				0.2m Ns soil on hard base (N?) – mud Flat Area.	267S	ML19
600778	S	-20 -80	3	100	<20		<1				0.3m : yell. br. limonitic Nsh or Ns (sampled) under Ns scree	253S	ML19
600779	S	-20 -80	<1	10	<20		<1				0.4m : red br. clay (sh?), Ns scree 0–0.4m.	235S	ML19
600780	S	-20 -80	<1	100	<20		<1				0.3m : blue grey–black shaley slst (Nsh) – black slst; pyritic.	222S	ML19
600781	S	-20 -80	<1	100	30		<1				0.5m : med. brown clay (= sh?) – residual?	210S	ML19
600782	S	-20 -80	<1	100	<20		<1				0.4m : grey silty sh, overlain by gr. br. silty sh. soil.	198S	ML19
600783	S	-20 -80	<1	100	<20		<1				0.4m : pale gr. sh, wd to limon. - Mn stained pale gr. br. clay	185S	ML19
600784	S	-20 -80	<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
600785	S	-20 -80	<1	100	<20		<1				0.3m : brown clay (sh) base, sl. limon.	158S	ML19
600786	S	-20 -80	<1	30	<20		<1				0.3m : f.g. granular rock – dolomitic slst? (check Ca)	145S	ML19
600787	S	-20 -80	<1	30	<20		<1				0.4m : med to dark grey sh, white soft bands – residual	130S	ML19
600788	S	-20 -80	<1	30	<20		<1				0.4m : pale fawn colored clay (sh)	116S	ML19
600789	S	-20 -80	<1	100	<20		<1				0.6m : brown limon clay (sh), grey sh nearby	105S	ML19
600790	S	-20 -80	<1	100	<20		<1				1.0m : pale grey brown slst (≈ Ns type?) – check Ca.	92S	ML19

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

211027 030

AREA EL 53/76 STANLEY RIVER PROSPECT NUMBER 600 DATE SAMPLED JAN 78 LABORATORY REPORT NO. ANALYTICAL METHOD

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

ADDITIONAL A = Crimson Ck Argillite

STATE TAS LOCATION Stanley Reward 1:100,000 SHEET 7914 Pieman SAMPLER P.M.M.

SAMPLE NUMBER	SAMPLE TYPE	APERTURE (MESH / MICRONS)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	Ag	SUMMARY DESCRIPTION	LOCATION E/W	LOCATION LINE
600791	S	-20	10	100	<20		<1		0·6m: blue b shale – base of slope	80S	ML19
		-80									
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 (bk. Sh?). brown chert fragments.	70S	ML19
		-80									
600793	S	-20	<1	30	<20		<1		1–1·6m. red br. limon. clay (A?) overlain by dk grn. blue bk sist + hornfels frags. – base of slope.	64S	ML19
		-80									
600794	S	-20	<1	100	30		<1		0·5m: ? slumped scree – A type clay ± limon "pebbles".	50S	ML19
		-80									
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									
600796	S	-20	<1	100	<20		1		1·2m colluvial? slumped? A clay + rock fragments	23S	ML19
		-80									
600797	S	-20	<1	100	<20		<1		As for 600796? 1·3m depth · (15m N of line) – roots of tree	20S	ML19
		-80									
600798	S	-20	<1	100	<20		<1		1·2m: A clay + rock frags · – slump colluvial?	6S	ML19
		-80									
600799	S	-20	<1	300	<20		<1		0·3m: pale brown Donah Q and S. clay – Nsh?	343S	ML20
		-80									
600800	S	-20	<1	30	<20		<1		0·2m: Ns; Nscree to 0·2m.	335S	ML20
		-80									
600801	S	-20	<1	30	<20		<1		0·3m limonitic greenish silty clay (= Nsh?)	315S	ML20
		-80									
600802	S	-20	3	300	1000		3		0·5m dark green grey silty Sh, fine pyrite.	296S	ML20
		-80									
600803	S	-20	1	100	<20		<1		0·4m lustreous (graphitic?) black silty sh.	278S	ML20
		-80									
600804	S	-20	1	100	<20		<1		0·5m depth: dark blue grey Sh.	267S	ML20
		-80									
600805	S	-20	<1	300	<20		1		0·6m brown limon. silty clayey Sh.	245S	ML20
		-80									
600806	S	-20	<1	30	<20		<1		0·1m black shale	236S	ML20
		-80									
600807	S	-20	1	100	300		<1		1·2m wd. sh – Pale cream clay, darker bands.	224S	ML20
		-80									
600808	S	-20	<1	100	<20		<1		0·2m: black Sh s/st (0–0·2m mud/scree)	210S	ML20
		-80									
600809	S	-20	<1	100	<20		<1		0·3m: wd. dark brown clay (0–0·3m mud/scree on flat)	197S	ML20
		-80									
600810	S	-20	<1	100	100		<1		0·4m: As for 600807 – wd, pale cream clay (sh) ± green grey bands 0–0·4m – mud flat scree.	185S	ML20
		-80									
600811	S	-20	<1	30	<20		<1		0–0·5m: mud flat scree – not penetrated.	176S	ML20
		-80									
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									

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

211028

031

AREA EL53/70 STANLEY R. PROSPECT NUMBER 600 DATE SAMPLED Jan 78 LABORATORY REPORT NO. ANALYTICAL METHOD

STATE TAS LOCATION STAN. Reward 1:100,000 SHEET 7914 Pieman SAMPLER P.M.M.

NOTATIONS: 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 (SIEVE) MICRONS	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	SUMMARY DESCRIPTION	LOCATION E/W	N/S LINE
600813	SA	-20	<1	30	<20		<1	0.2m depth : dark brown limonitic - Mn stained clay (Sh.)	1555	ML20
		-80								
600814	SA	-20	10	30	<20		<1	0.2m bedrock - Pale cream br. Sh (sampled mainly scree on top).	1465	ML20
		-80								
600815	SA	-20	<1	10	<20		<1	0.3m white slst subcrop (check Ca) - base of slope	1405	ML20
		-80								
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.	1325	ML20
		-80								
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.	1205	ML20
		-80								
600818	SA	-20	<1	100	300		<1	1.3m : Cream - green khaki clay (A Sh?); 0-1.3 A clay - mud flat.	1085	ML20
		-80								
600819	SA	-20	3	1,000	300		<1	0.3m : dark blue bk. sandy clay ± cream bands - residual?	985	ML20
		-80								
600820	SA	-20	<1	100	<20		<1	Khaki grey or green khaki clay ± rock frags (A?) - possibly colluvial slump.	895	ML20
		-80								
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.	805	ML20
		-80								
600822	SA	-20	<1	30	<20		<1	0.7m ; brown khaki clay ± red sh, red br. and blue rock frags (A)	655	ML20
		-80								
600823	SA	-20	<1	30	<20		<1	0.5m : Khaki clay ± variegated red, khaki, black rk. frags	445	ML20
		-80								
600824	SA	-20	<1	30	<20		<1	1.1m : Khaki clay ± rock frags - A colluvial slump?	155	ML20
		-80								
										LINE 38N
600825	SA	-20	<1	300	<20		<1	0.2-0.5m : med grey shale (Nsh?) 0-0.2 rubble	4835W	3800N
		-80								
600826	SA	-20	<1	100	<20		<1	0.3m : As for 600 825	4818W	3800N
		-80								
600827	SA	-20	<1	100	<20		<1	0.2m : As for 600825	4797W	3800N
		-80								
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								
600829	SA	-20	<1	100	<20		<1	0.2-1.5m : d. blue black shy slst, pyritic ; 0-0.2 organics	4767W	3800N
		-80								
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								
600831	SA	-20	<1	30	<20		<1	0.2-0.5m Pale cream brown silty clay (= Sh.), 0-0.2 organics	4735W	3800N
		-80								
600832	SA	-20	<1	30	<20		<1	0.2-0.5m wd. sl. limon pale y. and y. br. grey clay (= Sh) 0-0.2m - Swamp.	4721W	3800N
		-80								
600833	SA	-20	<1	30	<20		<1	0.2-1.5m : Pale cream br. silty clay - As for 600831-832 : Slst.	4703W	3800N
		-80								
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								

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AREA E 153/10 Stanley River | PROSPECT NUMBER 600 | DATE SAMPLED JAN '78 | LABORATORY REPORT NO. | ANALYTICAL METHOD | NOTATIONS: SAMPLE TYPE – M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock | ANALYSES: Please state element | 211029 | ADDITIONAL 032

STATE TAS | LOCATION STANLEY REWARD | 1:100,000 SHEET 7914 Pieman | SAMPLER P.M.M. | hA - hornfels Crimson Ck

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (SIEVE) / DEPTH(S)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	SUMMARY DESCRIPTION	LOCATION E/W	LINE
600835	SA	-20	<1	30	<20		<1	0-7m light grey Shaley slst.	4671W	3800N
		-80								
600836	SA	-20	<1	100	<20		<1	0·3-1·3m grey clay - as for 600835, light grey Sh.	4655W	3800N
		-80								
600837	SA	-20	<1	100	30		<1	0-0·3m Alluvium + frags. hA	4641W	3800N
		-80								
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								
600839	SA	-20	<1	100	30		<1	0-0·5m : hA gravels - not to bedrock	4614W	3800N
		-80								
600840	SA	-20	<1	100	30		<1	0·4-0·5m blue gr. Sh (as for 600838); 0-0·4m slope wash hA scree.	4598W	3800N
		-80								
600841	SA	-20	3	30	30		<1	0·5m : cream br. and br clays = A?, ē stone frags - scree?	4585W	3800N
		-80								
600842	M	-20	<1	100	30		<1	gulley draining A: hA rubble incl. (10m N of line)	4545W	3810N
		-80								
600843	SA	-20	<1	30	30		<1	0·4m : yell. br. clay, rock frags. (A)	4623W	3908N
		-80								
600844	SA	-20	<1	100	30		<1	0·2-1·2m : Y. br. clay ē small stone frags - colluvial? A.	4650W	3910N
		-80								
600845	SA	-20	<1	100	30		<1	0-1·0m as for 600844 (45m/153°M to gulley bank		
		-80								
600846	SA	-20		100	30		<1	" as for 600844 in large tree roots.	4682W	3905N
		-80								
600847	SA	-20	<1	100	30		<1	1·3m : khaki-grey clay (Ash?); kh. clay ē rock frags 0-1·3m	4690W	3900N
		-80								
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								
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								
600850	SA	-20	3	30	<20		<1	0·2-0·3m wd. and light grey hard clay = Sh.	4723W	3900N
		-80								
600851	SA	-20	10	30	<20		<1	0·1-0·3m hard cherty f.g. banded light grey q/tzitic Sh.	4735W	3900N
		-80								
600852	SA	-20	3	100	<20		<1	0·2-0·4m : d. green q/wacke Slst, wd. to d. br. mangan. clay; 0-0·2 mud flat Alluvs.	4747W	3900N
		-80								
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								
600854	SA	-20	<1	100	<20		<1	0·2-0·3m : dk. br. Mn - strongly limonitic clay = Sh; 0-0·2 m all. mud flat.	4772W	3900N
		-80								
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								
600856	SA	-20	<1	100	<20		<1	0·2-0·4m : wd. brown clay (= Sh); 0-0·2m organics/alluv. mud.	4801W	3900N
		-80								

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

AREA EL53/10, Stanley River PROSPECT NUMBER 600 DATE SAMPLED JAN '78 LABORATORY REPORT NO. NOTATIONS: SAMPLE TYPE – 211030
STATE TAS. LOCATION Stanley Reward 1:100,000 SHEET 7914 Pieman SAMPLER P.M.M. ANALYTICAL METHOD ANALYSES:

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 SIZE (METRES) (MICRONES)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	SUMMARY DESCRIPTION	LOCATION E/W	LOCATION 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								
600858	SA	-20	3	100	<20		<1	0·1-1·2m Ns scree, Nclay/sand	4823W	3900N
		-80								
600859	SA	-20	<1	30	<20		<1	0·2-0·6m : scree ± grey clay (sh?) towards base; 0-0·2 mud flat.	4835W	3900N
		-80								
600860	SA	-20	<1	30	<20		<1	0·5-0·7 d/R. blue grey Slty Sh or Slst ("black Sh"), 0-0·5m Ns scree	4855W	3900N
		-80								
600861	SA	-20	<1	30	<20		<1	0·7m : Ns scree, Pale gr. br clayey slt.	4880W	3900N
		-80								
600862	SA	-20	1	30	<20		<1	0·2-0·3m - light grey brown clay (= Sh); 0-0·2m Ns scree	4932W	4000N
		-80								
600863	SA	-20	<1	10	<20		<1	0·2-0·5m blue black Shale, 0-0·2m alluv./organics.	4911W	4000
		-80								
600864	SA	-20	30	30	<20		<1	0·1-0·3m: d. grey clayey silt (Ns)	4894W	4000N
		-80								
600865	SA	-20	<1	30	<20		<1	0·1-0·4m: d. grey to black micaceous Siltst. (Ns)	4883W	4000N
		-80								
600866	SA	-20	<1	10	<20		<1	0·1-0·3m limon. yell. and grey clay (= Nsh?)	4868W	4000N
		-80								
600867	SA	-20	<1	30	<20		<1	0·1-0·5m: grey clay, yell. brown limon. wd. (= sh)	4853W	4000N
		-80								
600868	SA	-20	<1	30	<20		<1	0·2-0·7m: as for 600 867	4837W	4000N
		-80								
600869	SA	-20	1	30	<20		<1	0·2-0·3m: pale br. gr. clay (= Sh); black shiny xals = biotite?	4821W	4000N
		-80								
600870	SA	-20	<1	100	<20		<1	0·3-1·0m: light gr. br. and limon. dk. br. clay (= Sh)	4807W	4000N
		-80								
600871	SA	-20	1	30	<20		<1	0·2-0·8m: pale y. br. grey clay (= Sh); black ? h Nsh scree 0-0·2m. - check horn felsing?	4796W	4000N
		-80								
600872	SA	-20	1	30	<20		<1	0·2-0·4m: grey clay (= Sh); 0-0·2m = organics/mud flat	4787W	4000N
		-80								
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								
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								
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								
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								
600877	SA	-20	100	30	<20		<1	0-0·9m: mud, rock frags incl. black oolite white chert - not bottomed.	4747W	4000N
		-80								

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

211031

034

AREA EL53/70 Stanley River | PROSPECT NUMBER 600 | DATE SAMPLED JAN 78 | LABORATORY REPORT NO. | ANALYTICAL METHOD

STATE TAS | LOCATION Stanley Reward | 1:100,000 SHEET 7914 Pieman | SAMPLER P.M.M.

NOTATIONS: 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 SIZE (MESH/MICRONS)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	SUMMARY DESCRIPTION	LOCATION E/W	LOCATION 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.	4744W	4000N
		-80								
600879		-20	30	100	<20		1	0·2–1·3m green/grey mud/clay, rock frags – Alluv. – mud flat.	4733W	4000N
		-80								
600880		-20	30	30	100		<1	0·2–1·0m As for 600879 – Possible micac. slst (Ca–Si ?) base.	4727W	4000N
		-80								
600881		-20	100	30	300		<1	0–1·5m: Khaki clay then gr. blk. & Rh. clay, trace fibrous Ca–Si	4719W	4006N
		-80								
600882		-20	1	30	30		<1	1·2–1·4m red br. – yellow clay, stone frags, Nil Ca–Si ?; 0–1·2m dk. gr. & Rh. clay ± rounded stone frags.	4702W	3988N
		-80								
600883		-20	<1	100	30		<1	0·5–1·3m deep red clay, rock frags – colluvia ?; 0–0·5m Rh clay in gulley bed.	4675W	3988N
		-80								
600884		-20	<1	30	30		<1	0–1·4m Rh. clay (A)	4683W	4100N
		-80								
600885		-20	<1	30	30		<1	0–1·4m A – Rh. clay + rock frags – colluv. or in situ ?	4731W	4100N
		-80								
600886		-20	<1	30	30		<1	0–1·1m gr. Rh. clay.; 1·1–1·5m yell. br. limon clay, fine rk. frags. (colluv. or in situ ?)	4743W	4100N
		-80								
600887		-20	1	30	30		<1	0–1·0m dk. gr. RH clay, rock frags. hard base.	4749W	4100N
		-80								
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								
600889		-20	100	30	<20		<1	0–0·6m d. gr. Rh. clay/sand + gr. kh. clay. Alluv. flat. hard base	4763W	4100N
		-80								
600890		-20	1	30	<20		<1	0–0·6m d. gr. Rh. mud ± white streaks near hard base (Ca–Si slst ?)	4770W	4100N
		-80								
600891		-20	100	10	<20		<1	0–0·2m Alluv. brown sand/mud + gravel; Ca–Si micac. slst – base ?	4777W	4100N
		-80								
600892		-20	10	10	<20		<1	0–0·4m alluv. mud; 0·4–1·0m mixed Alluvs + fine white micac. silt (Ca–Si ?)	4785W	4100N
		-80								
600893		-20	1	10	<20		<1	0–0·5m Alluv. flat, rock frags). hard base	4792W	4100N
		-80								
600894		-20	<1	10	<20		<1	0–0·7m alluvials – br. clay + rock frags	4799W	4102N
		-80								
600895		-20	1	10	<20		<1	0–0·2m organic/clay; 0·2–1·7m qtz rubble ± Ns soil – not bottomed	4807W	4100N
		-80								
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								
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								
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								
600899		-20	<1	10	<20		<1	0–0·2m: organic/herbs · scrub · 0·2–0·5m Ns + soil – in situ ?	4831W	4106N
		-80								

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

211032

035

AREA STANLEY River | PROSPECT NUMBER 600 | DATE SAMPLED JAN '78 | LABORATORY REPORT NO. | ANALYTICAL METHOD | NOTATIONS: SAMPLE TYPE – M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock | ANALYSES: Please state element | ADDITIONAL

STATE TAS | LOCATION Stanley Reward | 1:100,000 SHEET 7914 Pieman | SAMPLER P.M.M.

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (MICRONS)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	Ag	SUMMARY DESCRIPTION	LOCATION E/W	LOCATION LINE
600900	SA	-20	<1	10	<20		<1		0-0.2m tree roots/horez · 0.2m-0.6m Ns soil + dk yell br clay (=Sh) base	4930W	4087N
		-80									
600901	SA	-20	1	10	<20		<1		0-0.2m org/horez scrub; 0.2-0.4m Ns soil (light br gr slt.) 12m/210° from 600900S		
		-80									
600902	SA	-20	1	10	<20		<1		0-0.2m org/horez; 0.2-0.5m light gr. br. Ns soil	4850W	4090N
		-80									
600903	SA	-20	<1	10	<20		<1		0-0.1m org/horez scrub; 0.1-1.0m pale limon. gr silty Sh (Nsh?)	4862W	4100N
		-80									
600904	SA	-20	<1	10	<20		<1		0-0.2m org/horez scrub; 0.2-0.4m limon br silty clay (Nsh?)	4877W	4100N
		-80									
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									
600906	SA	-20	<1	10	<20		<1		0.2m limon. cream Sh.	4922W	4100N
		-80									
600907	SA	-20	<1	3	100		<1		0-0.3m Ns scree/horez scrub; 0.3-0.5m cream br clay (=Sh)	4930W	4150N
		-80									
600908	SA	-20	<1	10	<20		<1		0-0.2 organic mud/horez scrub; 0.2-0.4m pale cream grey clay =Sh.	4910W	4150N
		-80									
600909	SA	-20	<1	10	<20		<1		0.1m: light cream br. clay (=Sh).	4895W	4150N
		-80									
600910	SA	-20	30	10	<20		<1		as for 600909	4880W	4150N
		-80									
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)	4856W	4150N
		-80									
600912	SA	-20	10	10	<20		<1		0-0.3m Ns scree - not to bedrock.	4845W	4150N
		-80									
600913	SA	-20	<1	10	<20		<1		as for 600912	4837W	4154N
		-80									
600914	SA	-20	<1	30	<20		<1		0-1m organics/qtz rubble; 1.0 - yellow silty clay as for 600911?	4831W	4148N
		-80									
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									
600916	SA	-20	<1	30	<20		<1		0-0.2m mud, then hard base - pale cream br. Slst (check Ca)	4815W	4152N
		-80									
600917	SA	-20	<1	10	<20		<1		0-0.3m org/horez. scrub · 0.3-0.4m hard base - as for 600916 (Ca-Slst?)	4804W	4150N
		-80									
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									
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									

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

211033 036

AREA EL53/70, Stanley River PROSPECT NUMBER 600 DATE SAMPLED JAN 78 LABORATORY REPORT NO.

STATE TAS LOCATION Stanley Reward 1:100,000 SHEET 7914 Pieman SAMPLER P.M.M. ANALYTICAL METHOD

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

ADDITIONAL: Ns – Oonah qtzitic Slst; OC – black oolite white Ch

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (SIEVE) (MICRONS)	Sn	Cu	Zn	Pb	Bi				SUMMARY DESCRIPTION	E/W	LINE
600920	SA	-20 / -80	10.0	30	<20		<1				0-1.0 Kh. clay (colluvial?), 1.0m fibrous Ca-Si in blue grey clay	4769W	4150N
600921	SA	-20 / -80	30	30	<20		1.0				0-0.4m Khaki clay on flat (colluv. slump?)	4759W	4150N
600922	SA	-20 / -80	<1	3	<20		<1				0-0.4m Kh. clay - colluv. slump?; 0.4m - white Slst (Ca-Si?), traces Ca-Si fibres above 0.4m	4750W	4152N
600923	SA	-20 / -80	30	30	<20		<1				0-1.8m Kh. clay over white soft (Ca-Si) Slst. - as for 600916.	4740W	4150N
600924	SA	-20 / -80	1	100	20		<1				As for 600923	4730W	4150N
600925	SA	-20 / -80	<1	100	30		<1				0-0.2 Kh. clay, 0.2-2m blue grey clay, Ca-Si fragments in places - not to a hard base?	4719W	4153N
600926	SA	-20 / -80	<1	30	<20		<1				0-2m Kh. clay, blue in places. red clay at base (A); no Ca-Si seen; frags. black sh; slump?	4709W	4150N
600927	SA	-20 / -80	<1	30	<20		<1				0-0.5m Kh. clay; 0.5m deep red + Kh. clay c̄ fine rock frags (A)	4685W	4150N
600928	SA	-20 / -80	<1	10	<20		<1				0-0.5m mottled red-yellow br. clay - A: colluvial or in situ?	4667W	4160N
600929	SA	-20 / -80	<1	3	<20		<1				0-0.1 organics. 0.1-0.3m Ns soil - pale br. gr. silt.	4889W	4200N
600930	SA	-20 / -80	1.0	3	<20		<1				0-0.2m org./horoz. scrub/Ns scree; 0.2-0.3 qtz, Ns frags + black oolite (OC) white chert - near in situ?	4871W	4200N
600931	SA	-20 / -80	<1	10	<20		<1				0-0.6m: horoz. scrub/frags black oolite white chert (OC); 0.6-1.0m white clay sh (Nsh? - check Ca)	4858W	4200N
600932	SA	-20 / -80	<1	3	<20		<1				0-0.6m: horoz. scrub/mudflat. 0.6-1.0m band br. and white silty clay (check Ca-Si slst?)	4848W	4210N
600933	SA	-20 / -80	<1	30	<20		<1				0-1.0m: mud flat/horoz. 1-1.2m wd. white and Kh to br. silty clay (as for 600932 and elsewhere to S. of this Wasting: Check Ca-Si	4836W	4200N
600934	SA	-20 / -80	1	10	<20		<1				0-0.5m: mud flat/horoz., 0.5-0.6m bedrock - white Slst (as for 600932)	4823W	4200N
600935	SA	-20 / -80	1	10	<20		<1				0-0.4m: mud flat - ditto; 0.4m-0.5m white and br. soft slst as for 600932 Ca-Si?	4813W	4200N
600936	SA	-20 / -80	300	30	<20		<1				0-0.3m: mud flat; 0.3-0.4m - bedrock - white Slst as above.	4803W	4200N
600937	SA	-20 / -80	100	10	<20		<1				0-0.2m mud flat; 0.2- hard base - as above (Ca-Si?) white silty clay.	4790W	4200N
600938	SA	-20 / -80	1	3	<20		<1				0-0.3 mud then soft white Slst. (as above - CaSi?)	4778W	4200N
600939	SA	-20 / -80	<1	10	<20		<1				Sub outcrop Chert - CaSi - rubble	4768W	4200N
600940	SA	-20 / -80	30	10	<20		<1				Chert - Ca-Si rubble rise, limonitic; little soil.	4760W	4200N
600941	SA	-20 / -80	10	10	<20		<1				0-0.3m limon. br. Ca-Si rock c̄ fibrous CaSi minerals	4754W	4200N

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

AREA STANLEY River EL 53/70 PROSPECT NUMBER 600 DATE SAMPLED JAN 78 LABORATORY REPORT NO. 211034 NOTATIONS: SAMPLE TYPE — M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock, Please state element ADDITIONAL 037

STATE TAS LOCATION STANLEY / REWARD 1:100,000 SHEET 7914 Pieman SAMPLER P.M.M + D.J.Crossing ANALYTICAL METHOD ANALYSES:

A = Crimson CK Argillite
Ns - qtzitic Donah slst

SAMPLE NUMBER	SAMPLE TYPE	ABERRATION (SIEVE) MICRONS	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	Ag			SUMMARY DESCRIPTION	LOCATION E/W	LOCATION N/S LINE
600942	SA	-20	30	30	<20		3				0-0.2m mud flat; 0.2- hard base - CaSi radiating xals.	4742W	4200N
		-80											
600943	SA	-20	100	100	30		<1				0-1.5m mud, gr. kh ± rk. frags; 1.5m hard base - white ? CaSi ± d. green grey banded slst.	4733W	4200N
		-80											
600944	SA	-20	100	30	<20		<1				0-0.3m : mud/rk frags/ horoz. Scrub; 0.3- bedrock : dk. green grey and cream/ fibrous CaSi slst. (as for 600943)	4722W	4200N
		-80											
600945	SA	-20	<1	30	<20		<1				0-1.3m : kh. clay, rk. frags; 1.3-1.5m : grey black clay.	4713W	4200N
		-80											
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											
600947	SA	-20	<1	3	<20		<1				0-0.8m, yell. clay, limon blebs; Ns qtzite (scree ?) from 0.5m	4936W	4250N
		-80											
600948	SA	-20	1	10	<20		<1				0-0.5m : mud flat/ horoz. Scrub: Ns qtzitic (scree ?/ bedrock ?)	4918W	4250N
		-80											
600949	SA	-20	30	10	30		<1				0-0.5m : qtz, Ns rubble; Ns and black pyr. Nsh bedrock.	4906W	4250N
		-80											
600950	SA	-20	<1	30	<20		<1				0-0.3 : mud/gravel; 0.3-0.6m : brown shaley slst ?	4894W	4250N
		-80											
600951	SA	-20	<1	10	<20		<1				0.6m : mud/qtzitic Ns rubble over br. slst - bedrock ?, traces mica.	4883W	4250N
		-80											
600952	SA	-20	10	10	30		<1				mud to 0.4m, then white soft silty Sh.	4871W	4250N
		-80											
600953	SA	-20	<1	3	<20		<1				0.1m	4856W	4250N
		-80											
600954	SA	-20	10	30	<20		<1				0.5m bedrock (?)	4846W	4250N
		-80											
600955	SA	-20	3	10	300		<1					4837W	4250N
		-80											
600956	SA	-20	1000	10	<20		<1				1.0m of mud/ qtzite, black sh frags, to pyritic veined slst	4827W	4250N
		-80											
600957	SA	-20	3000	30	<20		<1				0.4m med. gr. qtz + sand on white slst (CaSi slst ?)	4818W	4250N
		-80											
600958	SA	-20	10	30	<20		<1				0.6m : as for 600957.	4807W	4250N
		-80											
600959	SA	-20	10	30	<20		<1				1.0m of clay/ sand on white, Pyritic? slst?	4798W	4250N
		-80											
600960	SA	-20	10	30	<20		<1				1m : as for 600957	4786W	4250N
		-80											
600961	SA	-20	100	30	<20		<1				0.4m dark mud ± white clay/ silt blebs (CaSi slst ?)	4767W	4250N
		-80											

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

211035

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

NOTATIONS: SAMPLE TYPE – M - Creekmud, 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 SIZE (MICRONS)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi				SUMMARY DESCRIPTION	LOCATION E/W	LOCATION LINE
600962	SA	-20	1	1.0	<20		<1				0.5m of mudflat gravels, incl CaSi frags on white slst (as for 600957)	4758W	4250N
		-80											
600963	SA	-20	30	30	<20		<1				0.5m rk frags / mud on yell./white f.g. slst ± CaSi. fibres.	4750W	4250N
		-80											
600964	SA	-20	10	30	<20		<1				0.5m As for 600 963.	4740W	4250N
		-80											
600965	SA	-20	<1	10	<20		1				0.4m : As for 600963 – bedrock not sampled.	4733W	4250N
		-80											
600966	SA	-20	<1	30	<20		<1				To 0.5m, yellow clay ± horfels frags; 0.5–1m yellow gr. clay, ± white frags ? CaSi, blue frags; 1–1.4m yellow clay, gr. br. lenses (just above flat) – A?	4721W	4250N
		-80											
600967	SA	-20	<1	30	<20		<1				1.3m red limonitic (laterite?), hA frags, to a stony layer.	4711W	4250N
		-80											
600968	SA	-20	<1	100	<20		1				1.4m yellow br. clay, hA frags – colluvial?	4686W	4245N
		-80											
600969	SA	-20	<1	100	30		<1				1.5m, in gulley : 0–1.1m Rh. and bl. grey clay; 1.1–1.5m light and dk. bl. layered clay. Possibly residual.	4670W	4255N
		-80											
600970	SA	-20	<1	30	<20		<1				1.5m, in gulley, Rh. clay ± frags blue and green.	4653W	4255N
		-80											
600971	SA	-20	<1	30	<20		<1				1.5m, in gulley, Rh. clay ± dk. bl. lenses, and small blebs of white and green chips.	4640W	4257N
		-80											

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

211036

039

AREA EL53/76 Stanley River | PROSPECT NUMBER 600 | DATE SAMPLED Feb 78 | LABORATORY REPORT NO. | ANALYTICAL METHOD

STATE TAS | LOCATION Stanley Reward | 1:100,000 SHEET 7914 Pieman | SAMPLER D.J. Crossing

NOTATIONS: 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 SIZE (MICRONS)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	SUMMARY DESCRIPTION	LOCATION E/W	LOCATION ~~N/S~~ LINE
600972	SA	-20	<1	30	<20		<1	0·4m, in base of overturned tree ; yellow br. clay	4613W	4350N
		-80								
600973	SA	-20	<1	30	<20		<1	1·5m, in gulley : yell. br. clay, hA fragments (colluvial?) on khaki clay (residual?)	4650W	4360N
		-80								
600974	SA	-20	<1	10	<20		<1	1·5m yell. br. clay + hA frags – colluvial?	4665W	4350N
		-80								
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 blebs; to 1·5m yell. clay/gravels ± orange chert frags.	4680W	4350N
		-80								
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 – unbottomed.	4689W	4350N
		-80								
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 and green clay – residual?	4710W	4350N
		-80								
600978	SA	-20	<1	30	30		<1	0-1m : kh./blue clay ; 1-1·5m blue & br clay.	4722W	4350N
		-80								
600979	SA	-20	1,000	30	<20		<1	1·5m blue and yellow kh. clay.	4728W	4350N
		-80								
600980	SA	-20	<1	30	<20		<1	0-1·5m kh & blue clay, ± CaSi fragments at 0·9m.	4740W	4350N
		-80								
600981A	SA		30	10	<20		<1	0-0·9m br. mud; 0·9-1·4m mud/gravel ± CaSi fragments, qtz vein frags; 1·4-1·5m blue/kh clay ± pale blue inclusions.	4751W	4350N
600981B			30	30	<20		<1			
600982	SA	-20	1	30	30		<1	0-1·5m soft clay, CaSi fragments; bottom dark grilly clay ± CaSi fibres.	4760W	4350N
		-80								
600983	SA	-20	100	30	<20		<1	0-1m clay ± brown "semi fibrous" rock frags, gravels; white/grey f.g. bedrock (CaSi s/st?).	4773W	4350N
		-80								
600984	SA	-20	100	10	<20		<1	0·6m – as for 600983	4782W	4350N
		-80								
600985	SA	-20	<1	10	<20		<1	0·8m Sandy clay ± pyritic sh/s/st; bedrock pyr. black sh.	4797W	4350N
		-80								
600986	SA	-20	<1	10	<20		<1	1·3m clay/br. white ? CaSi "semi fibrous"; bedrock brown/orange s/st.	4806W	4350N
		-80								
600987	SA	-20	30	30	<20		<1	1·2m bedrock orange qtzite overlain by grey clay.	4816W	4350N
		-80								
600988	SA	-20	30	10	<20		<1	0·8m grey clay, qtzite frags over white/orange qtzite.	4829W	4350N
		-80								
600989	SA	-20	300	10	<20		<1	0·8m clay, 0·8-0·9m white sand; bedrock white qtzite.	4840W	4350N
		-80								
600990	SA	-20	100	10	<20		<1	0·9m clay then qtz sand + frags qtzite, sh; bedrock white qtzite.	4852W	4350N
		-80								
600991	SA	-20	10	3	<20		<1	0·8m clay, then qtzite gravel; bedrock white qtzite.	4864W	4350N
		-80								
600992	SA	-20	<1	3	<20		<1	0·3m sand, clay qtzite frags; white s/st at 0·3m.	4876W	4350N
		-80								

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

AREA EL 53/79, 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. 211037
ANALYTICAL METHOD
NOTATIONS: 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 SIZE (SIEVE) MICRONS	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	SUMMARY DESCRIPTION	LOCATION E/W	LOCATION LINE
600993	SA	-20	100	10	<20		<1	0.7m sand/clay, qtzite/sh. gravel on white qtzite.	4888W	4350N
		-80								
600994	SA	-20	30	10	<20		<1	clay to 0.3, then qtz gravel to 0.5m, then orange, white qtzite.	4901W	4350N
		-80								
600995	SA	-20	30	10	<20		<1	clay, sand to 0.5m, then qtz gravel to 0.7m, then white radicting Ca-Si - bedrock.	4912W	4350N
		-80								
600996	SA	-20	<1	3	30		<1	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
		-80								
600997	SA	-20	<1	3	<20		<1	sandy clay to 0.7m, then sl t; unbottomed at 1.6m in fine gr. white Slst. (CaSi?)	4937W	4350N
		-80								
600998	SA	-20	<1	3	<20		<1	1.6m clay, qtzite frags to grey clay ē frags of (?) black Sh + red soil	4950W	4350N
		-80								
600999	SA	-20	10	10	<20		<1	0.6m qtz, qtzite and black oolite white chert scree	4962W	4350N
		-80								

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

211038 041

AREA EL5470 Stanley River | PROSPECT NUMBER 600 | DATE SAMPLED Feb 78 | LABORATORY REPORT NO. | ANALYTICAL METHOD

STATE TAS | LOCATION Stanley Reward | 1:100,000 SHEET 7914 Pieman | SAMPLER D. Crossing

NOTATIONS: 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 SIZE (microns)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi				SUMMARY DESCRIPTION	LOCATION E/W	LOCATION ~~N/S~~ LINE
6001000	SA	-20	1	3	100		<1				0.9m white/pale orange Slst. bedrock; overlain by Scree.	4950W	4450N
		-80											
6001001	SA	-20	30	3	<20		<1				0.9m to white/orange qtzite, overlain by qtzite frags, sand, gr. clay	4936W	4450N
		-80											
6001002	SA	-20	300	10	<20		<1				0.7m As for 600 1000.	4925W	4450N
		-80											
6001003	SA	-20	300	30	<20		<1				1.0m As for 600 1000.	4912W	4450N
		-80											
6001004	SA	-20	300	30	<20		<1				0.9m clay ± Shale frags; bedrock orange qtzite.	4900W	4450N
		-80											
6001005	SA	-20	100	30	<20		<1				1m gr. br. clay on white qtzite.	4887W	4450N
		-80											
6001006	SA	-20	1000	10	<20		<1				0.6m gr. clay on white qtzite.	4875W	4450N
		-80											
6001007	SA	-20	1000	30	<20		3				0.9m gr. br. clay on white/orange slst.	4862W	4450N
		-80											
6001008	SA	-20	30	30	<20		<1				0-0.5m br. clay, 0.5-1.5m pure white and orange qtz sand	4850W	4450N
		-80											
6001009	SA	-20	1000	30	<20		<1				1.6m grey clay; qtzite frag. at 1.0m.	4835W	4450N
		-80											
6001010	SA	-20	30	10	<20		<1				1.6m clay, slst frags, unbottomed in orange silt.	4828W	4450N
		-80											
6001011	SA	-20	30	30	30		10				1m clay to orange/brown rock.	4819W	4450N
		-80											
6001012	SA	-20	3	30	30		10				1.5m – As for 600 1011	4810W	4450N
		-80											
6001013	SA	-20	300	10	<20		<1				1.3m Ca-Si bedrock? overlain by Ca-Si gravels, mud.	4801W	4450N
		-80											
6001014	SA	-20	100	30	<20		<1				1.5m brown mud ± frags limon. slst & dolomite?	4785W	4450N
		-80											
6001015	SA	-20	30	30	<20		<1				0.5m d. br. mud/gravels to sugarey (?) dolomite bedrock.	4775W	4450N
		-80											
6001016	SA	-20	100	100	30		<1				1.4m in grey stecky clay (unbottomed)	4765W	4450N
		-80											
6001017	SA	-20	<1	100	<20		1				1.5m to blue clay ± green lenses; residual? base of Mt. Lindsay slope.	4755W	4450N
		-80											
6001018	SA	-20	<1	30	<20		<1				1.5m, unbottomed in blue, red, orange & yellow clay	4742W	4450N
		-80											
6001019	SA	-20	<1	100	<20		<1				1.5m unbottomed in red hematitic clay ± yell. and kh. patches.	4727W	4450N
		-80											
6001020	SA	-20	<1	100	<20		<1				1.5m as for 600 1019.	4707W	4450N
		-80											
6001021	SA	-20	10	100	30		<1				1.5m in sugary white fine sst(?) in orange clay ± white mica throughout.	4684W	4450N
		-80											

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

211039

042

AREA EL53/70 Stanley River | PROSPECT NUMBER 600 | DATE SAMPLED Feb/78 | LABORATORY REPORT NO. | ANALYTICAL METHOD

STATE TAS | LOCATION Stanley Reward | 1:100,000 SHEET 7914 Pieman | SAMPLER DJ Crossing

NOTATIONS: 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 (SIEVE MESH/MICRONS)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi				SUMMARY DESCRIPTION	LOCATION E/W	LOCATION LINE
6001022	SA	-20	3	100	<20		<1				1.5m unbottomed in dense orange/yell. clay/gravel ± limon. pebbles	4665W	4450N
		-80											
6001023	SA	-20	<1	100	<20		<1				1m yellow clay, hornfels frags (hA ?)	4639W	4450N
		-80											
6001024	SA	-20	<1	100	<20		<1				1.5m in khaki clay, unbottomed.	4616W	4450N
		-80											
6001025	SA	-20	<1	10	<20		<1				1.5m – as for 6001024	4627W	4550N
		-80											
6001026	SA	-20	<1	100	<20		<1				In gulley, 1.5m to grey blue clay overlain by yellow clay ± hA frags.	4647W	4555N
		-80											
6001027	SA	-20	<1	100	30		<1				1.5m khaki clay.	4665W	4550N
		-80											
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	4550N
		-80											
6001029	SA	-20	<1	30	20		<1				1.5m brown clay, hA "pebbles."	4686W	4550N
		-80											
6001030	SA	-20	<1	10	<20		<1				1.5m As for 6001029.	4698W	4550N
		-80											
6001031	SA	-20	1	10	<20		<1				In gulley. 1.5m blue grey khaki clay.	4698W	4546N
		-80											
6001032	SA	-20	<1	30	<20		1				1.5m Pebbly clay As for 6001029.	4717W	4550N
		-80											

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

211040 043

AREA EL53/70 Stanley River | PROSPECT NUMBER 600 | DATE SAMPLED Feb '78 | LABORATORY REPORT NO. | NOTATIONS: SAMPLE TYPE — M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock | ADDITIONAL

STATE TAS | LOCATION Stanley Reward | 1:100,000 SHEET 7914 Pieman | SAMPLER D. Crossing | METHOD | ANALYSES: Please state element

SAMPLE NUMBER	SAMPLE TYPE	APERTURE (SIEVE) MICRONS	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	SUMMARY DESCRIPTION	LOCATION E/W	LOCATION N/S LINE
6001033	SA	-20	<1	30	<20		<1	0-1.1m kh. clay, 1.1-1.7m orange, black and brown streaked clay ē limon. (A)	4625W	4650N
		-80								
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
		-80								
6001035	SA	-20	<1	10	<20		<1	1.7m. As for 6001034.	4652W	4650N
		-80								
6001036	SA	-20	<1	10	30		<1	1.7m grey clay, brown patches (=sh) - A	4664W	4650N
		-80								
6001037	SA	-20	<1	30	30		<1	1.7m blue grey clay (= A sh?) overlain by green/grey/blue clay.	4681	4650N
		-80								
6001038	SA	-20	10	10	100		3	1.7m grey green clay ē black, brown patches, white specks overlain by orange br. clay.	4692W	4650N
		-80								
6001039	SA	-20	3	30	30		3	1.7m. light gr. clay ± grey slst (As).	4713W	4650N
		-80								
6001040	SA	-20	1	30	30		<1	1.7m grey clay, white slst at 1.0m.	4724W	4650N
		-80								
6001041	SA	-20	100	30	30		<1	0.7m white/orange CaSi slst. overlain by gravel	4734W	4650N
		-80								
6001042	SA	-20	10	30	30		1	1.5m CaSi slst overlain by black mud, qtz frags.	4743W	4650N
		-80								
6001043	SA	-20	30	10	<20		<1	0.9m dolomite bedrock overlain by green grey mud, dolom. boulders.	4753W	4650N
		-80								
6001044	SA	-20	100	10	<20		<1	1.0m dolomite bedrock overlain by black mud, qtz & CaSi fragments.	4763W	4650N
		-80								
6001045	SA	-20	30	30	30		<1	1.6m unbottomed, on granitic sand? (not bedrock?), overlain by mud, granite and qtzite gravels.	4774W	4650N
		-80								
6001046	SA	-20	100	30	30		<1	1.6m unbottomed, black mud + (?) dolomite frags, overlain by granite gravels.	4786W	4650N
		-80								
6001047	SA	-20	300	10	30		<1	0.9m: boulder base or bedrock? under black mud, granitic gravels.	4797W	4650N
		-80								
6001048	SA	-20	30	30	30		<1	1.1m? bedrock white "arenite" (as for 6001045, 1047?), overlain by granitic gravels/mud.	4812W	4650N
		-80								
6001049	SA	-20	300	10	<20		<1	0.6m - bottomed in granitic gravels etc.	4824W	4650N
		-80								
6001050	SA	-20	100	10	30		<1	1.3m bedrock of white slst overlain by mud, gravels incl granitic.	4835W	4650N
		-80								
6001051	SA	-20	100	3	<20		<1	1.4 m in (?) boulders?, overlain by granitic sand, grvls etc - old sluicing area?	4841W	4650N
		-80								
6001052	SA	-20	1,000	10	<20		<1	1.6 to? bedrock white? slst, overlain by granite grvls and mud; sluiced?	4850W	4663N
		-80								
6001053	SA	-20	1,000	30	100		10	Sluiced? 1.7m in grey clay ± bands white sandy soil (slst?), pyrite in clay; granite grvls + mica above in grvls.	4862W	4670N
		-80								

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211041

044

AREA EL53/70 Stanley River | PROSPECT NUMBER 600 | DATE SAMPLED Feb '78 | LABORATORY REPORT NO. | ANALYTICAL METHOD

STATE TAS | LOCATION STANLEY Reward | 1:100,000 SHEET 7914 Pieman | SAMPLER D. CROSSING

NOTATIONS: 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 (SIEVE/MICRONS)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	SUMMARY DESCRIPTION	LOCATION E/W	LOCATION LINE
6001054	SA	-20	10	1	<20		<1	1.4m granitic boulders overlain by granite+qtzite grvls+clay	4990W	4650N
		-80								
6001055	SA	-20	10	1	<20		<1	1.7m in c.g. granitic sand, overlain by grey silts and clay.	4982W	4650N
		-80								
6001056	SA	-20	1000	1	<20		<1	1.7m in. granitic sand, gran. +qtzite grvls. overlain by black silt+grvls.	4968W	4650N
		-80								
6001057	SA	-20	300	10	30		<1	1.7m As for 600 1056.	4957W	4650N
		-80								
6001058	SA	-20	10	3	<20		<1	1.7m unbottomed, in white, sl. silty clay (1m) overlain by grey clay	4943W	4650N
		-80								
6001059	SA	-20	3	3	<20		<1	1.7m unbottomed in orange/grey clay (0.6m) overlain by grey clay	4931W	4650N
		-80								
6001060	SA	-20	10	1	<20		<1	1.7m unbottomed in grey sandy clay overlain by orange and grey silty clay	4918W	4650N
		-80								
6001061	SA	-20	1000	10	<20		<1	1.7m unbottomed in coarse granitic sand under m.g. granitic Sand in Stanley R. bank.	4906W	4650N
		-80								
6001062	SA	-20	300	3	<20		<1	1.6m unbottomed in alluv. granite grvls, Shale overlain by ferrug. orange & br. clay under grey silty clay	4892W	4650N
		-80								
6001063	SA	-30	10	1	<20		<1	1.7m unbottomed in grey/light brown silty. clay under grey clay	4884W	4650N
		-80								
6001064	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
		-80								
6001065	SA	-20	300	10	<20		<1	1.7m unbottomed in black mud overlain by orange sand, granite+ qtzite grvls – base sample.	4868W	4650N
		-80								
6001065B								0.5-1.6m – gravels, sand. overlain by 0.5m boulder horizon		

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

211042 045

AREA EL53/70 Stanley River | PROSPECT NUMBER 600 | DATE SAMPLED Feb 78 | LABORATORY REPORT NO. | ANALYTICAL METHOD | NOTATIONS: SAMPLE TYPE – M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock | ANALYSES: Please state element | ADDITIONAL

STATE TAS | LOCATION Stanley Reward | 1:100,000 SHEET 7914 Pieman | SAMPLER D. Crossing

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (MICRONS)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	SUMMARY DESCRIPTION	LOCATION E/W	N/S LINE
600 1066	SA	-20	<1	10	<20		<1	0-0.8 black mud, 0.8-1.2m grvls; 1.2-1.7m black mud – unbottomed.	5025W	4700N
		-80								
600 1067	SA	-20	1000	10	30		<1	1.2m ?bedrock white slst ± green xals (Ca-Si?), overlain by fine grvls (granitic) + mud.	5012W	4700N
		-80								
600 1068	SA	-20	3000	30	<20		<1	0.7m ?bedrock brown ?qtzite or Ca-Si slst, overlain by granitic + qtzite grvls in black mud.	4988W	4700N
		-80								
600 1069	SA	-20	1000	10	<20		<1	0.7m : grvls – slst, qtzite, granite	4976W	4700N
		-80								
600 1070	SA	-20	300	10	<20		<1	1.7m unbottomed in black mud, Narrow clay band.	4964W	4700N
		-80								
600 1071	SA	-20	10	10	<20		<1	1.7m unbottomed in med/f. angular qtz, qtzite under 1.5m Sandy clay	4951W	4700N
		-80								
600 1072	SA	-20	3	1	<20		<1	1.7m unbottomed in mud ± frags br/grey slst – near bedrock?	4941W	4700N
		-80								
600 1073	SA	-20	100	10	<20		<1	1.7m – bedrock? white slst under 0.3m dark grey slst frags under 0.5m clay under mud.	4927W	4700N
		-80								
600 1074	SA	-20	10	10	<20		<1	1.7m unbottomed in grey clay (0.8m) under mud.	4916W	4700N
		-80								
600 1075	SA	-20	3	3	<20		<1	1.7m unbottomed in light grey fine sand (0.4m) under grey silty clay	4903W	4700N
		-80								
600 1076	SA	-20	3	3	<20		<1	1.7m unbottomed in light orange/grey clay under 0.9m grey clay, mud.	4895W	4700N
		-80								
600 1077	SA	-20	3000	1	<20		<1	2.7m (in pit) unbottomed in fine grey sand (1m), under clay/mud.	4885W	4706N
		-80								
600 1078	SA	-20	300	10	<20		<1	2.6m (bank of Stanley R) below ground : coarse qtz, granite sand in grey silt.	4878W	4700N
		-80								
600 1079	SA	-20	100	3	30		<1	2.5m pit gravel incl qtz, slst, Ca Si ± FeS2, granite.	4895W	4970N
		-80								
600 10	R							As for 600 1079 SA – Ca Si frags ?.		
600 1080	SA		300	3	30		<1	2.8m – As for 600 1079.	4895W	4970N
600 1081	SA	-20	10000	3	30		1	1.7m unbottomed in grey qtz sand (0.8m) overlain by granite grvls, Sand (in pit).	4860W	4700N
		-80								
600 1082	SA	-20	1000	1	<20		<1	1.7m unbottomed in grey qtz sand (0.4m) overlain by 0.6m light orange silt/sand overlain by 0.7m grey silty clay.	4548W	4698N
		-80								
600 1083	SA	-20	3000	3	<20		<1	0.6m unbottomed in granite, qtzite grvls – matrix brown/orange sand Sampled (in 0.8m pit).	4840W	4700N
		-80								
600 1084	SA	-20	10000	10	30		30	0.5m unbottomed – as for 600 1083	4831W	4700N
		-80								
600 1085	SA	-20	3000	10	30		3	0.6m unbottomed – as for 600 1083 – Sluiced area?	4820W	4700N
		-80								
600 1086	SA	-20	300	10	<20		1	1.2 unbottomed - As for 600 1083 (0-0.6 granite blders, 0.6-1.1 orange br qtz Sand, mica; 1.1-1.2m alluv. granite grvls.	4809W	4700N
		-80								

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

211043

046

AREA EL53/70 Stanley River PROSPECT NUMBER 600 DATE SAMPLED Feb 78 LABORATORY REPORT NO. ANALYTICAL METHOD

STATE TAS LOCATION Stanley Reward 1:100,000 SHEET 7914 Pieman SAMPLER D Crossing

NOTATIONS: 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 SIZE (MESH/MICRONS)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi				SUMMARY DESCRIPTION	LOCATION E/W	LOCATION N/S LINE
6001087	SA	-20	1,000	10	<20		1				1·7m - unbottomed in fine grey sand (0·5m) under granitic grvl (0·2m) overlain by grey clay, sand, mud.	4797W	4700N
		-80											
6001087B		-20	1000	30	30		1				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	300	30	<20		<1				1·7m unbottomed in fine grey sand (0·5m)	4788W	4700N
		-80											
6001088B		-20	1,000	30	<20		1				0-0·6m mud, 0·6-0·9m granite etc grvls; 0·9 - 1·7m fine grey sand (6001088A); 0·6-0·9m = 6001088B; sluiced area adjacent		
		-80											
6001089	SA	-20	1,000	10	<20		<1				1·5m unbottomed in brown sand ± gran. grvls + s/st: 0-0·6m mud 0·6-1m grvl in gr. clay, 1-1·2 clay, 1·2-1·5m br. sd. ± granite, fyr. sh grvls. Hole on edge of sluiced pond.	4782W	4694N
		-80											
6001090	SA	-20	3	3	<20		<1				1·6m unbottomed in grey clay 0-1·6m: adjacent to pond.	4768W	4712N
		-80											
6001091	SA	-20	100	3	<20		<1				1·7m unbottomed in dk. br. clay ± black blebs, minor granite grvls: 0-0·3m mud, 0·3-0·9m grey clay, 0·9-1·7 br. clay, minor gran grvls.	4758W	4708N
		-80											
6001092	SA	-20	<1	3	100		<1				1·7m unbottomed in dk. gr. clay ± orange/brown limon. blebs ± frags Ca-Si ± fyr., minor granite grvls; overlain by mud.	4747W	4702N
		0											
6001093	SA		<1	30	<20		<1				0·9m bedrock dolomite, grey overlain by orange sand, mud on top.	4739W	4696N
		-80											
6001094	SA	-20	10	100	<20		<1				1·7m unbottomed in variegated clay - br., kh, gr/grn, purple ± frags dolomite, mica layers. Overlain by granite grvls, then mud.	4730W	4700N
		-80											

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

211044 047

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

NOTATIONS: 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) Sn	Cu	Zn	Pb	Bi	SUMMARY DESCRIPTION	LOCATION E/W	LOCATION N/S 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
		-80								
6001096	SA	-20	100	3	<20		<1	0-0.8m mud, 0.8-1.6m granitic sand (sampled); unbottomed - granite boulder base. (nr. Stanley R.)	4736W	4750N
		-80								
6001097	SA	-20	3000	10	<20		<1	0-0.6m mud; 0.6-1.2m grey clay & granite grvls - unbottomed on boulders (nr. Stanley R.)	4750W	4750N
		-80								
6001098	SA	-20	10	1	<20		<1	0-1.7m c.g. granite sand, unbottomed. (nr. Stanley R.)	4780W	4750N
		-80								
6001099	SA	-20	1000	1	<20		<1	0.7m silt on granite boulders - unbottomed.	4787W	4750N
		-80								
6001100	SA	-20	300	1	<20		<1	1.7m unbottomed in m.g. white qtz sand (1m) overlain by mud. Nr. 2nd Stanley R. branch.	4820W	4750N
		-80								
6001101	SA	-20	10	3	<20		<1	1.7m unbottomed in grey sandy silt (0.6m), overlain by brown silt - adjacent to Stanley R.	4841W	4750N
		-80								
6001102	SA	-20	10	1	<20		<1	1.7m unbottomed in grey sdy silt. (1m), overlain by 0.2m white sand then granite bldrs + grvls.	4851W	4747N
		-80								
6001103	SA	-20	10	1	<20		<1	1.7m unbottomed in light grey clay (0.7m) under 1m dk. gr. silt - located in sluiced channel.	4865W	4743N
		-80								
6001104A	SA	-20	30	3	<20		<1	1.7m, unbottomed in dk. grey clay	4874W	4745N
		-80								
6001104B		-20	1000	30	30		<1	0-1m fragments granite, qtzite & limonite patches, 1-1.1m dk. grey clay: sample 0-1.1m. Hole in sluiced Channel.		
		-80								
6001105A	SA	-20	1	1	<20		<1	1.7m, unbottomed in dk. grey clay (0.6m)	4882W	4750N
		-80								
6001105B		-20	100	10	<20		<1	0-1.1m grvl, coarse sand, granite + qtzite pebbles (600 1105B); 1.1m-1.7m dk. grey clay. Hole nr. sluiced mound of bboulders.		
		-80								
6001106A	SA	-20	1	1	<20		<1	1.7m unbottomed in black muddy clay (1.2m)	4893W	4750N
		-80								
6001106B		-20	30	10	<20		<1	0-0.3m grey coarse sand, 0.3-0.5 orange limonitic sand (600 1106B); 0.5-1.7m black muddy clay		
		-80								
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
		-80								
6001108A	SA	-20	<1	10	<20		<1	1.7m, unbottomed in gr./dk. grey silty clay on c.g. sand/clay (1.4m)	4919W	4750N
		-80								
6001108B		-20	300	10	30		<1	0-0.3m c.g. orange sand, granitic (600 1108B); 0.3-1.7m gr/dk. grey silty clay.		
		-80								
6001109	SA	-20	1	1	<20		<1	1.7m, unbottomed on black silty mud (1.4m) overlain by 0.3m sand (as for 600 1108)	4928W	4750N
		-80								
6001110	SA	-20	1000	3	<20		<1	1.0m bedrock? light grey slst (dolomitic?), overlain by 0.4m granite grvl, overlain by light grey med. gr. sand.	4943W	4750N
		-80								
6001111	SA	-20	1000	3	<20		<1	0.7m unbottomed in granite bldrs + qtz grvls, under mud.	4957W	4750N
		-80								
6001112	SA	-20	30	1	<20		<1	0.7m? bedrock/light grey slst horizon under granite, slst grvls (As for 600 1110S slst).	4968W	4750N
		-80								

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

211045 048

AREA Stanley River EL53/70 PROSPECT NUMBER 600 DATE SAMPLED Feb 78 LABORATORY REPORT NO. ANALYTICAL METHOD

STATE TAS LOCATION STANLEY Reward. 1:100,000 SHEET 7914 Pieman SAMPLER D Crossing

NOTATIONS: 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 SIZE (MICRONS)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	Ag	W	SUMMARY DESCRIPTION	LOCATION E/W	LOCATION N/S LINE
600.1.1.13	SA	-20	300	3	<20		<1			1.5m bedrock? light gr/br slst (as for 600 1110) under 0.4m granite, slst grvls under mud.	4981W	4750N
		-80										
600.1.1.14	SA	-20	1000	10	<20		<1			0.7m granite + slst gravel, unbottomed	4993W	4750N
		-80										
600.1.1.15	SA	-20	10	100	30		<1			1m blast pit – bottomed on white dolomite, dsm pyrite, speck dark mineral, purple stained frs. ē pyrite. Sample from clay immediately above bedrock.	4829W	4550N
		-80										
	R		3	30		<1	<1	<1				
600.1.1.16	SA	-20	1	3	<20		<1	<1		1m. As for 600 1115 – f.g. micritic dolomite.	4837W	4550N
		-80										
	R		<1	30		3	<1	<1				
600.1.1.17	SA	-20	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
		-80										
600.1.1.18	SA	-20	1000	10	<20		<1			1m blast pit - bedrock med. grey dolomite ē dk minerals along microfractures overlain by granitic gravels + mud.	5010W	4700N
		-80										
			<1	3		<1	<1	<1				
600 1119	SA	-20	1000	3	<20		<1			2.3m: Pit blasted 1m, augered to 2.3m to granite boulders – unbottomed.	4941W	4700N
		-80										

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

211046

049

AREA EL53/70 Stanley River | PROSPECT NUMBER 600 | DATE SAMPLED Feb 78 | LABORATORY REPORT NO. | ANALYTICAL METHOD

STATE TAS | LOCATION Stanley Reward | 1:100,000 SHEET 7914 Pieman | SAMPLER D. Crossing

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

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

211047

AREA EL53/70, Stanley River PROSPECT NUMBER 600 DATE SAMPLED Feb 78 LABORATORY REPORT NO. NOTATIONS: SAMPLE TYPE – M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock ADDITIONAL 050

STATE TAS LOCATION Stanley Reward 1:100,000 SHEET 7914 Pieman SAMPLER D.Crossing LABORATORY ANALYTICAL METHOD ANALYSES: Please state element

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (SIEVE/MICRONS)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi				SUMMARY DESCRIPTION	LOCATION E/W	LOCATION 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) undermud	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 undermud.	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 + limenitic sand.	4813W	4900N
		-80											
6001146		-20	1000	3	<20		<1				1.7m unbottomed in c.g. sand, granite pebbles (0.6m) under 0.6m white sand under "laterite" sand + silt.	4798W	4847N

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

211048

051

AREA EL 53/70 Stanley River PROSPECT NUMBER 600 DATE SAMPLED MAR. 78 LABORATORY REPORT NO. NOTATIONS: SAMPLE TYPE – M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock ADDITIONAL A = Crimsen Ck. Argillite

STATE TAS LOCATION Stanley Rewinard 1:100,000 SHEET 7914 Pieman SAMPLER P. MACNAMARA ANALYTICAL METHOD ANALYSES: Please state element

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (SIEVE/MICRONS)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	SUMMARY DESCRIPTION	LOCATION LINE ~~ENE~~	N/S
600 1150	SA	-20	<1	30	<20		<1	0-1.2m kh. and yell. kh. Crimsen Ck. Argillite clay (A) - ?residual or Colluvial?	4700W	4097N
		-80								
600 1151	SA	-20	1	30	<20		1	As for 600 1150	4700W	4112N
		-80								
600 1152	SA	-20	<1	10	<20		<1	As for 600 1150	4704W	4125N
		-80								
600 1153	SA	-20	<1	10	<20		<1	0-0.7m kh clay (A), deep red at bottom · 0.7-0.8m yellow wd. e.g. or grey wacke rock (or volcanic?)	4700W	4137N
		-80								
600 1154	SA	-20	<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. g/wacke s/st?)	4700W	4150N
		-80								
600 1155	SA	-20	<1	10	<20		<1	0-1.2m kh. clay : at 1.2m red clay + ? g/wacke s/st? frags – colluvial?	4700W	4162N
		-80								
600 1156	SA	-20	<1	10	<20		<1	0-1.2m kh. clay + blue grey s/st frags + patches red clay – residual or colluvial?	4700W	4175N
		-80								
600 1157	SA	-20	<1	10	<20		<1	0-0.4m kh. clay ± limon. frags, blue grey clay frags (sh?)	4700W	4201N
		-80								
600 1158	SA	-20	<1	100	<20		<1	0-1.1m kh. clay – hard limonite near top.	4700W	4212N
		-80								
600 1159	SA	-20	<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
		-80								
600 1160	SA	-20	<1	30	<20		<1	0-1.0m As for 600 1159 – some red "lateritic" patches.	4700W	4237N
		-80								
600 1161	SA	-20	<1	10	<20		<1	0-1.0m kh. clay, hard. limon patches – sh and g/wacke frags – hard limonite (?) base.	4700W	4251N
		-80								
600 1162	SA	-20	<1	30	<20		<1	1.0 blue grey banded (g/wacke?) s/st.	4700W	4262N
		-80								
600 1163	M	-20	<1	3	<20		<1	gulley – wide drainage.	4695W	4260N
		-80								
600 1164	SA	-20	<1	3	<20		<1	0-1.3m kh. soil, limonite + rock frags – colluvial?	4700W	4276N
		-80								
600 1165	SA	-20	<1	30	<20		<1	1.5m – as for 600 1164	4700W	4287N
		-80								
600 1166	SA	-20	<1	10	<20		<1	1.4m kh. clay; limonite, qtz, Ark. frags.	4700W	4300N
		-80								
600 1167	SA	-20	<1	10	<20		<1	0-1.7m kh clay, Ark. frags.	4700W	4312N
		-80								
600 1168	SA	-20	<1	30	30		<1	0-1.7m As for 600 1167	4700W	4325N
		-80								
600 1169	SA	-20	<1	3	<20		<1	0-1.5m kh. clay (A), shale? (in situ Ash?)	4700W	4337N
		-80								
600 1170	M	-20	<1	10	<20		<1	gulley	4700W	4341N
		-80								
600 1171	SA	-20	<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
		-80								

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

211049 052

AREA EL53/70 Stanley River | PROSPECT NUMBER 600 | DATE SAMPLED Mar. 78 | LABORATORY REPORT NO. | NOTATIONS: SAMPLE TYPE – M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock | ADDITIONAL

STATE TAS | LOCATION Stanley Reward | 1:100,000 SHEET 7914 Pieman | SAMPLER P. MACNAMARA | ANALYTICAL METHOD | ANALYSES: Please state element

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (sieve, microns)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	SUMMARY DESCRIPTION	LOCATION E/W LINE	N/S
600 1172	SA	-20	<1	30	30		<1	0-1.5m dk. br. yellow A clay on flat area.	4700W	4362N
		-80								
600 1173	SA	-20	<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 sist or dolomite, qtz, qtzite frags.	4700W	4375N
		-80								
600 1174	SA	-20	30	30	<20		<1	0-1.3m As for 600 1173 ± red br. clay at bottom (check acid tuff?).	4700W	4387N
		-80								
600 1175	SA	-20	<1	3	<20		<1	0-1.3 kh. clay (A); 1.3-1.5m pale cream clay, qtz.	4700W	4412N
		-80								
600 1176	SA	-20	<1	30	<20		<1	0-1.6m kh. clay + greenish kh. glwacke slst frags.	4700W	4425N
		-80								
600 1177	SA	-20	<1	10	<20		<1	0-1.5m kh. grn. clay, qtz + glwacke slst frags. finished in kh-red-d. grey grn. clay	4700W	4437N
		-80								
600 1178	SA	-20	<1	3	<20		<1	0-1.2m yell. br. kh. clay - hard bottom.	4700W	4450N
		-80								
600 1179	SA	-20	<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	4462N
		-80								
600 1180	SA	-20	<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?	4700N	4475N
		-80								
600 1181	SA	-20	<1	10	<20		<1	0-1.2m kh, slightly red br. clay.	4700W	4487N
		-80								
600 1182	SA	-20	<1	10	<20		<1	0-1.5m banded cream and yell. br. clay at 1.5m. (= sh?)	4700W	4500N
		-80								
600 1183	SA	-20	<1	10	<20		<1	0-1.4m kh. clay, frags dk. grey green glwacke slst	4700W	4525N
		-80								
600 1184	SA	-20	<1	1	<20		<1	0-1.5m kh. clay: at 1.5m frags. of red shale, blue blk. (MnO_2?) patches, grey shale.	4700W	4537N
		-80								
600 1185	SA	-20	<1	3	<20		<1	0-1.5m kh. clay ± tuff. or glwacke slst frags.	4700W	4548N
		-80								
600 1186	M	-20	30	10	<20		<1	gulley sample drains W.	4700W	4550N
		-80								
600 1187	SA	-20	<1	3	<20		<1	1.5m grn. kh. clay - bank of gulley.	4700W	4562N
		-80								
600 1188	SA	-20	<1	10	<20		<1	0-1.0m rk. frags (blacksh? - hAsh) + kh clay: residual or colluvial	4700W	4575N
		-80								
600 1189	SA	-20	<1	3	<20		<1	1.5m kh. clay - in gulley.	4700W	4574N
		-80								
600 1190	M	-20	10	3	<20		<1	gulley drains N.W.	4700W	4587N
		-80								
600 1191	SA	-20	<1	30	30		<1	0-1.5m blue grey silt + rock frags.	4700W	4600N
		-80								
600 1192	SA	-20	<1	30	<20		<1	0-1.5m kh. clay over blue grey silt (or insitu wd. A?).	4700W	4600N
		-80								

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

211050 053

AREA EL 53/70 Stanley River | PROSPECT NUMBER 600 | DATE SAMPLED March '78 | LABORATORY REPORT NO. | ANALYTICAL METHOD

STATE TAS | LOCATION Stanley Reward | 1:100,000 SHEET 7914 Pieman | SAMPLER P. MacNAMARA

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

ADDITIONAL hA = hornfels Crimson Ck Argillite

SAMPLE NUMBER	SAMPLE TYPE	APERTURE (BSS) (INCHES) MICRONS	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	SUMMARY DESCRIPTION	LOCATION NW LINE	N/S
6001193	SA	-20	<1	30	30		<1	On flat: 0-2 m d. greenish kh. silt, rk. frags.	4700W	4612N
		-80								
6001194	SA	-20	30	30	<20		<1	0-1m clay - bottom hard clay shale (? blue grey Sh?)	4696W	4625N
		-80								
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
		-80								
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 xtals. (Ca-Si or hornfels chlorite?); hA sh, blue grey and white banded.	4700W	4650N
		-80								
6001197	SA	-20	1	10	100		<1	0-1m: rk. frags incl. white (?) slst; 1-1.5m As for 600 1196 - micaceous d. blue black - greenish white banded clay = hA (possibly dolomitic) — ≈ collar rks SRD 8?	4700W	4662N
		-80								
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?) = 600 1197.	4700W	4675N
		-80								
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
		-80								
6001200	SA	-20	10	30	100		<1	1.2m As for 600 1199 - dolomitic? green clay = oolites?	4700W	4700N
		-80								
6001201	SA	-20	<1	30	100		1	1.5m dk grn. and black clay ± pale white bands (as above), "breccia" appearance.	4700W	4712N
		-80								
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
		-80								
6001203	SA	-20	10	30	<20		1	limonitic dk. grey green clay (= hSh, as above)	4700W	4737N
		-80								
6001204	SA	-20	<1	100	<20		<1	med. br. limon. clay	4700W	4754N
		-80								
6001205	SA	-20	<1	100	30		<1	1.5m dark blue grey slty clay. - residual??	4677W	4550N
		-80								
6001206	SA	-20	30	30	<20		<1	1.5m d. greenish kh. clay	4686W	4550N
		-80								
6001207	SA	-20	<1	100	<20		<1	1.5m dk. grn. kh. slty clay ± blue black patches + rk. frags - residual.	4698W	4549N
		-80								
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
		-80								
6001209	SA	-20	10	30	<20		<1	1.5m finely banded cream-y. br-orange clayey (?) sh (or tuff?)	4648W	4540N
		-80								

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

211051 054

AREA EL53/70 Stanley River | PROSPECT NUMBER 600 | DATE SAMPLED April 78 | LABORATORY REPORT NO. | NOTATIONS: SAMPLE TYPE – M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock | ADDITIONAL

STATE TAS | LOCATION Stanley Reward | 1:100,000 SHEET 7914 Pieman | SAMPLER P MACNAMARA | ANALYTICAL METHOD | ANALYSES: Please state element

SAMPLE NUMBER	SAMPLE TYPE	APERTURE (SIEVE/MICRONS)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	Ag	W	SUMMARY DESCRIPTION	LOCATION E/W	LOCATION N/LINE
												3800N(X)
6001210	M	-20	1	10	<20		<1			gulley – Mn stnd. hA grvls.	4473W	38X
		-80										
6001211	SA	-20	<1	1	<20		<1			orange yell. br. limon. banded clay (= hAsh?)	4475W	38X
		-80										
6001212	SA	-20	<1	10	<20		<1			0.6m banded white and cream clay	4487W	38X
		-80										
6001213	SA	-20	<1	10	<20		<1			0–0.7m grey br. clayey soil; 0.7m+ grey Sh.	4500W	38X
		-80										
6001214	SA	-20	<1	10	<20		<1			o/crop med. grey silty sh (g/wacke sh?) 150°/70°NEdip.	4512W	38X
		-80										
6001215	SA	-20	1	10	<20		<1			Over red Chert sub o/crop – (Marker sequence? and/or hornfelsed Sh?	4500W	38X
		-80										
6001216	SA	-20	<1	10	<20		<1			Scree of dolerite. 1.5m med br ± red Tinge A clay, Shand sist fragment, trace mica (hornfelsing?).	4600W	4250N
		-80										
6001217	SA	-20	<1	10	<20		<1			0–1.5m kh. clay / rk. frags.	4610W	4250N
		-80										
6001218	SA	-20	<1	30	<20		<1			0–0.9m kh. clay (roots of large tree).	4622W	4245N
		-80										
6001219	SA	-20	<1	30	<20		<1			0–1.5m kh. clay + rk. frags.	4631W	4255N
		-80										
6001220	SA	-20	<1	30	<20		<1			base of bank: 0–1.2m Rh clay + rk frags = colluvial?; 1.2–1.5m dk. blue black silty Sh ± white clay patches.	4637W	4265N
		-80										
6001221	R		3	30		<1	<1	<1		white to cream "micritic" dolomite ± fyrite + hairline dark fractures	4837W	4400N
6001222	R		<1	1		<1	<1	<1		As for 600 1221R – dissem. pyrite.	4780W	4400N
6001223	R		1	100	<20	3	<1	1		dk. black brown cherty rk – hornfels or "Red Rock Member"?	4525W	3800N

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

211052

055

AREA EL 53/70 Stanley River PROSPECT NUMBER 600 DATE SAMPLED April 78 LABORATORY REPORT NO.

STATE TAS LOCATION Stanley Rewards 1:100,000 SHEET 7914 Pieman SAMPLER P MACNAMARA ANALYTICAL METHOD

NOTATIONS: SAMPLE TYPE — M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock ADDITIONAL

ANALYSES: Please state element

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (microns)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	Ag	W	SUMMARY DESCRIPTION	LOCATION E/W	LOCATION N/S LINE
6001230	SA	-20	<1	10	<20		<1			1.0 into alluvial flat.	5185W	5000N
6001231	SA	-20	<1	10	<20		<1			As for 600 1230	5163W	5000N
6001232	SA	-20	1	3	<20		<1			As for 600 1230	5137W	5000N
6001233	SA	-20	3	10	<20		<1			As for 6001230	5112W	5000N
6001234	SA	-20	<1	3	<20		<1			As for 600 1230	5087W	5000N
6001235	SA	-20	1	10	<20		<1			As for 600 1230	5062W	5000N
6001236	SA	-20	<1	10	<20		<1			As for 600 1230	5037W	5000N
6001237	SA	-20	300	10	<20		<1			0 - 1.3 N/S ; 1.3 - 1.6m : gravels on button grass flat under organic mud/gravels. (in pit)	4935W	4985N
6001238	SA	-20	1000	10	<20		<1			1.4 - 2.4m - pit in gravels	4935W	4985N
6001239	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, limenitic. No grvl or cobbles.	4780W	4400N
6001240	SA	-20	300	10	30		<1			As for 600 1239 R : dark silt + dolomite frags (limenitic) + minor grvls.	4780W	4400N
6001241	R		3000	10	30	1	<1	<1		dk. gr. br. soil + Ca-Si frags.	4837W	4800N
6001242	SA	-20	1	30	30		<1			As for 600 1241		

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

211053

056

AREA EL53/70 Stanley River | PROSPECT NUMBER 600 | DATE SAMPLED JAN '78 | LABORATORY REPORT NO. | NOTATIONS: SAMPLE TYPE – M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock | ADDITIONAL

STATE TAS | LOCATION Stanley Reward. | 1:100,000 SHEET 7914 Pieman | SAMPLER P.MACNAMARA | ANALYTICAL METHOD | ANALYSES: Please state element

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (microns)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	Ag	W	SUMMARY DESCRIPTION	LOCATION E/W	N/S
6001243	R		<1	3	<20	3	<1	<1		granite boulder (o/crop?) + soil on hill slope E of Livingstone Ck. C.g. (1-15mm) 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 Ck (= contact?).	4975W	7175N
6001246	M	-20	1	10	<20		<1			gulley – no o/crop – Ns soil?	5000W	7162N
6001247	M	-20	<1	3	<20		<1			gulley – no o/crop – 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 6001251S); 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 Ck 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 Ck sample; granitic sediment in ck; outcrop of altered granite – sediment contact, possibly including ? Calc-silicates? – ie large xals of Fe/Mg or Ca-Si contact minerals nearby.	5000W	6709N
6001256	M		10	3	<20		<1			Livingstone Ck near northern adit and adjacent to limonitic Sn gossan.		

APPENDIX II

CHEMICAL ANALYSES, 1977 AUGERED SOIL SAMPLES
-20 MESH FRACTION, STANLEY REWARD GRID

211055

058

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

ANALYTICAL RESULTS

Samples from: Pacminex. Pty. LTD.
Area:
Samples of: Sediments.
Preparation: Pulverised.
Batch No.: A 2178 (your O/N 14148)

Sheet No.: 1
Date: 21.11.77

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

Sample Description	Coppm	Crppm	Nippm	Wppm	Mnppm	Moppm	Agppm
600 500	<5	<20	<3	<50	50	<3	0.5
1	<5	30	20	<50	100	<3	0.5
2	<5	20	5	<50	30	<3	0.3
3	<5	20	5	<50	50	<3	0.2
4	<5	20	5	<50	50	<3	0.1
5	<5	20	10	<50	100	<3	0.1
6	<5	30	10	<50	300	<3	0.1
7	<5	30	10	<50	200	<3	0.5
8	<5	20	10	<50	1000	<3	1.0
9	<5	30	5	<50	500	<3	1.0
10	<5	30	30	<50	200	<3	1.0
1	<5	50	30	<50	1000	<3	0.3
2	<5	30	50	<50	2000	<3	0.2
3	<5	50	50	<50	300	<3	0.3
514	<5	30	30	<50	500	<3	0.2
526	<5	30	30	<50	300	<3	0.5
7	<5	30	30	<50	300	<3	0.5
8	<5	30	30	<50	100	<3	0.5
9	<5	50	50	<50	300	<3	1.0
30	<5	30	10	<50	300	<3	0.5
1	<5	50	30	<50	500	<3	1.0
2	<5	30	20	<50	100	<3	0.5
3	<5	30	20	<50	100	<3	0.3
4	<5	30	10	<50	100	<3	1.0
5	10	30	50	<50	200	<3	0.5
6	<5	30	30	<50	100	<3	0.3
7	<5	20	20	<50	100	<3	0.3
8	<5	20	5	<50	100	<3	0.5
9	<5	<20	5	<50	50	<3	1.0
40	<5	<20	30	<50	100	<3	1.0
541	<5	30	3	<50	50	<3	0.3
551	<5	<20	5	<50	300	<3	0.3
2	<5	20	5	<50	300	<3	0.2
3	<5	20	3	<50	100	<3	0.5
4	<5	<20	3	<50	100	<3	0.3
5	<5	<20	5	<50	50	<3	0.2
6	<5	<20	3	<50	100	<3	0.2
7	<5	<20	3	<50	300	<3	0.2
8	<5	<20	5	<50	100	<3	0.3
9	<5	30	30	<50	300	<3	1.0
60	<5	30	5	<50	500	<3	1.0
1	<5	<20	<3	<50	300	<3	0.3
2	<5	<20	30	<50	500	<3	0.5
563	<5	30	10	<50	500	<3	0.3
571	<5	30	10	<50	300	<3	0.3
2	<5	20	30	<50	500	<3	2.0
3	<5	<20	10	<50	500	<3	2.0
4	<5	20	10	<50	500	<3	2.0
5	<5	20	10	<50	300	<3	0.2
600 576	<5	20	100	<50	1000	<3	1.0

ANALYTICAL METHODS:

DISTRIBUTION:

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

ANALYTICAL RESULTS

Samples from: Pacminex. Pty. Ltd.
Area:
Samples of: Sediments.
Preparation: Pulverised.
Batch No.: A2178 (your O/N 14148)

Sheet No.: 2
Date: 21.11.77

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

Sample Description	Coppm	Crppm	Nippm	Wppm	Mnppm	Moppm	Agppm
600 577	<5	30	100	<50	500	<3	0.5
8	<5	<20	30	<50	300	<3	1.0
9	<5	30	30	<50	500	<3	0.5
80	<5	20	30	<50	500	<3	1.0
1	<5	20	30	<50	500	<3	1.0
2	<5	20	5	<50	50	<3	0.5
3	<5	20	50	<50	300	<3	0.2
4	<5	<20	5	<50	300	<3	0.3
5	<5	30	50	<50	500	<3	0.2
6	<5	<20	3	<50	300	<3	0.3
7	<5	30	10	<50	100	<3	<0.1
8	<5	<20	50	<50	300	<3	0.1
9	<5	<20	50	<50	300	<3	0.1
90	<5	<20	30	<50	300	<3	<0.1
1	<5	20	30	<50	300	<3	<0.1
2	<5	20	30	<50	300	<3	<0.1
3	<5	20	30	<50	300	<3	<0.1
4	<5	<20	50	<50	500	<3	1.0
5	<5	<20	50	<50	500	<3	1.0
6	<5	<20	50	<50	300	<3	1.0
7	<5	<20	10	<50	300	<3	1.0
8	<5	30	10	<50	100	<3	0.2
9	<5	20	5	<50	100	<3	0.2
600	<5	20	5	<50	300	<3	5.0
1	<5	20	30	<50	300	<3	3.0
2	<5	<20	100	<50	300	<3	0.5
3	<5	<20	5	<50	300	<3	2.0
4	<5	<20	5	<50	100	<3	<0.1
5	<5	<20	<3	<50	200	<3	0.5
6	<5	30	3	<50	100	<3	0.1
7	<5	30	30	<50	100	<3	0.1
8	<5	<20	20	<50	50	<3	0.1
9	<5	<20	20	<50	100	<3	<0.1
10	<5	20	20	<50	50	<3	<0.1
1	<5	30	20	<50	300	<3	0.1
612	<5	30	20	<50	300	<3	0.1
626	<5	<20	20	<50	500	<3	0.5
7	<5	30	30	<50	500	<3	0.5
8	<5	100	100	<50	200	<3	1.0
9	<5	100	100	<50	300	<3	0.3
30	<5	100	100	<50	500	<3	2.0
1	<5	20	30	<50	300	<3	1.0
2	<5	100	50	<50	500	<3	2.0
3	<5	50	100	<50	300	<3	1.0
4	<5	50	50	<50	500	<3	0.5
5	<5	50	100	<50	300	<3	0.3
6	<5	50	50	<50	500	<3	0.3
7	10	50	50	<50	1000	<3	0.5
8	<5	50	100	<50	500	<3	<0.1
600 639	<5	100	100	<50	500	<3	0.5

ANALYTICAL METHODS:

DISTRIBUTION:

*49217

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060

211057

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

ANALYTICAL RESULTS

Samples from: pacminex. Pty. Ltd.
Area:
Samples of: Sediments.
Preparation: Pulverised.
Batch No.: A 2178

Sheet No.: 3
Date: 21.11.77

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

Sample Description	Coppm	Crppm	Nippm	Wppm	Mnppm	Moppm	Agppm
600 640	<5	50	50	50	500	10	<0.1
1	<5	30	30	<50	300	<3	0.3
2	<5	<20	20	<50	1000	<3	0.2
3	<5	20	20	<50	500	3	<0.1
4	<5	30	30	<50	500	3	<0.1
5	<5	20	30	<50	300	3	<0.1
6	<5	30	30	<50	500	10	<0.1
7	<5	100	30	<50	500	<3	<0.1
8	<5	50	10	<50	300	<3	<0.1
9	<5	20	10	<50	300	3	<0.1
650	<5	100	100	<50	300	5	1.0
652	<5	30	30	<50	200	5	0.3
3	<5	30	20	<50	300	<3	0.3
4	<5	20	20	<50	300	<3	<0.1
5	<5	20	20	<50	300	5	0.2
6	<5	20	30	<50	300	<3	0.1
7	<5	<20	30	<50	300	<3	0.1
8	<5	20	5	<50	200	<3	0.3
9	<5	<20	3	<50	300	<3	<0.1
60	<5	<20	5	<50	200	<3	<0.1
1	<5	<20	5	<50	200	<3	0.3
2	<5	20	10	<50	300	<3	0.3
3	<5	30	20	<50	500	<3	3.0
4	<5	30	30	<50	300	<3	5.0
5	<5	<20	10	<50	300	<3	0.2
6	<5	30	10	<50	300	<3	0.2
7	<5	<20	10	<50	300	<3	0.2
8	<5	30	30	<50	300	<3	0.1
9	<5	20	10	<50	300	<3	<0.1
70	<5	<20	10	<50	200	<3	0.1
1	<5	30	10	<50	300	<3	<0.1
2	<5	30	10	<50	200	<3	<0.1
3	<5	<20	30	<50	300	<3	0.1
4	<5	20	10	<50	100	<3	<0.1
5	<5	20	<3	<50	100	<3	<0.1
6	<5	30	30	<50	500	<3	0.5
7	<5	<20	10	<50	300	<3	0.5
8	<5	50	<3	<50	300	<3	0.3
9	<5	30	10	<50	300	<3	0.2
80	<5	50	30	<50	500	<3	0.5
1	<5	20	10	<50	300	<3	<0.1
2	<5	70	50	<50	1000	<3	5.0
3	<5	<20	5	<50	300	<3	3.0
4	<5	<20	30	<50	500	<3	1.0
5	<5	<20	5	<50	300	<3	1.0
600 686	<5	<20	10	<50	200	<3	0.5

ANALYTICAL METHODS:

DISTRIBUTION:

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

ANALYTICAL RESULTS

Samples from: Pacminex
Area:
Samples of: Sediments.
Preparation: Pulverised.
Batch No.: A 2178

Sheet No.: 4
Date: 21.11.77

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

Sample Description	Auppm	Bippm	Cuppm	Pbppm	Sbppm	Snppm	Znppm
600 500	<3	50	200	100	<30	30	200
1	<3	30	30	30	<30	30	50
2	<3	50	30	50	<30	30	50
3	<3	50	20	50	<30	30	50
4	<3	30	50	50	<30	300	30
5	<3	30	100	50	<30	300	30
6	<3	30	100	30	<30	1000	50
7	<3	50	100	100	<30	300	200
8	<3	30	1000	50	<30	500	500
9	<3	50	50	50	<30	500	30
10	<3	30	50	10	<30	300	<20
1	<3	30	30	50	<30	500	30
2	<3	30	30	30	<30	500	30
3	<3	20	30	50	<30	300	30
514	<3	50	100	50	<30	500	30
526	<3	30	50	20	<30	200	20
7	<3	30	50	30	<30	50	30
8	<3	50	200	30	<30	50	20
9	<3	20	100	30	<30	50	30
30	<3	30	100	30	<30	50	30
1	<3	30	50	30	<30	500	20
2	<3	30	100	10	<30	50	<20
3	<3	30	100	30	<30	100	100
4	<3	30	100	10	<30	100	30
5	<3	30	300	10	<30	200	500
6	<3	30	50	20	<30	300	<20
7	<3	50	100	10	<30	50	300
8	<3	30	100	10	<30	100	300
9	<3	20	200	20	<30	300	100
40	<3	30	200	5	<30	50	100
541	<3	30	200	20	<30	500	30
551	<3	30	30	20	<30	5	30
2	<3	30	50	10	<30	300	50
3	<3	30	50	20	<30	500	30
4	<3	20	30	30	<30	300	30
5	<3	50	30	30	<30	100	20
6	<3	30	30	30	<30	100	20
7	<3	30	30	30	<30	50	<20
8	<3	30	10	30	<30	300	<20
9	<3	50	30	20	<30	300	30
60	<3	50	30	30	<30	500	<20
1	<3	30	20	30	<30	500	<20
2	<3	30	30	10	<30	300	<20
563	<3	30	30	20	<30	300	<20
571	<3	30	10	10	<30	200	<20
2	<3	50	30	5	<30	300	100
3	<3	50	50	5	<30	300	100
4	<3	50	50	<1	<30	300	20
5	<3	30	50	5	<30	1000	<20
600 576	<3	50	100	5	<30	300	20

ANALYTICAL METHODS:

DISTRIBUTION:

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062

211059

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

ANALYTICAL RESULTS

Samples from: Pacminex.
Area:
Samples of: Sediments.
Preparation: Pulverised.
Batch No.: A 2178

Sheet No.: 5
Date: 21.11.77

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

Sample Description	Auppm	Bippm	Cuppm	Pbppm	Sbppm	Snppm	Znppm
600 577	<3	50	100	5	<30	30	<20
8	<3	50	100	<1	<30	10	<20
9	<3	50	100	5	<30	10	<20
80	<3	50	300	<1	<30	10	50
1	<3	50	100	3	<30	30	30
2	<3	30	20	3	<30	300	100
3	<3	30	20	<1	<30	50	<20
4	<3	50	20	<1	<30	30	<20
5	<3	30	20	10	<30	300	<20
6	<3	50	20	5	<30	300	<20
7	<3	20	20	<1	<30	200	<20
8	<3	30	10	5	<30	100	<20
9	<3	30	30	<1	<30	30	<20
90	<3	20	20	<1	<30	10	<20
1	<3	100	30	<1	<30	30	<20
2	<3	20	30	10	<30	5	<20
3	<3	10	300	<1	<30	5	<20
4	<3	30	500	<1	<30	20	<20
5	<3	50	300	<1	<30	10	<20
6	<3	50	300	<1	<30	5	<20
7	<3	50	200	<1	<30	5	<20
8	<3	30	20	<1	<30	20	<20
9	<3	30	20	<1	<30	20	<20
600	<3	50	300	<1	<30	3	<20
1	<3	50	300	<1	<30	10	20
2	<3	30	20	5	<30	10	<20
3	<3	100	50	50	<30	30	30
4	<3	20	30	30	<30	10	<20
5	<3	30	50	100	<30	100	100
6	<3	20	30	50	<30	20	30
7	<3	30	50	10	<30	300	<20
8	<3	30	50	10	<30	300	<20
9	<3	30	50	20	<30	50	300
10	<3	50	50	20	<30	200	<20
1	<3	30	50	20	<30	300	300
612	<3	30	30	30	<30	200	30
626	<3	50	50	5	<30	30	30
7	<3	50	50	5	<30	100	30
8	<3	100	200	10	<30	100	100
9	<3	30	50	20	<30	20	<20
30	<3	100	200	30	<30	100	100
1	<3	30	100	<1	<30	5	<20
2	<3	100	200	10	<30	30	<20
3	<3	100	200	30	<30	100	30
4	<3	50	50	30	<30	300	30
5	<3	50	50	30	<30	200	<20
6	<3	100	100	20	<30	300	30
7	<3	30	200	30	<30	200	300
8	<3	50	100	20	<30	200	30
600 639	<3	30	100	30	<30	200	30

ANALYTICAL METHODS:

DISTRIBUTION:

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063

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

ANALYTICAL RESULTS

Samples from: Pacminex. Pty. Ltd.
Area:
Samples of: Sediments.
Preparation: Pulverised.
Batch No.: A2178

Sheet No.: 6
Date: 21.11.77

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

Sample Description	Auppm	Bippm	Cuppm	Pbppm	Sbppm	Snppm	Znppm
600 636	<3	100	100	20	<30	300	30
7	<3	30	200	30	<30	200	300
8	<3	50	100	20	<30	200	30
9	<3	30	100	30	<30	200	30
40	<3	30	30	10	<30	200	30
1	<3	30	30	10	<30	500	300
2	<3	20	50	20	<30	30	300
3	<3	30	30	5	<30	5	30
4	<3	30	100	30	<30	30	100
5	<3	30	50	30	<30	10	30
6	<3	30	100	30	<30	30	<20
7	<3	30	30	20	<30	10	<20
8	<3	30	20	10	<30	5	<20
9	<3	50	30	5	<30	300	<20
650	<3	100	200	30	<30	10	<20
652	<3	50	50	30	<30	30	<20
3	<3	50	50	50	<30	100	<20
4	<3	30	30	20	<30	5	<20
5	<3	30	20	30	<30	20	<20
6	<3	20	20	50	<30	20	<20
7	<3	30	20	50	<30	50	<20
8	<3	20	20	20	<30	<1	<20
9	<3	30	20	50	<30	30	<20
60	<3	30	100	30	<30	100	<20
1	<3	30	30	30	<30	50	<20
2	<3	30	30	50	<30	50	300
3	<3	100	300	50	<30	300	500
4	<3	100	500	50	<30	200	1000
5	<3	30	30	20	<30	50	50
6	<3	30	30	20	<30	300	30
7	<3	30	20	50	<30	50	30
8	<3	30	30	100	<30	100	50
9	<3	30	30	30	<30	100	50
70	<3	50	30	50	<30	100	50
1	<3	30	30	50	<30	100	30
2	<3	30	30	100	<30	20	<20
3	<3	30	20	50	<30	20	100
4	<3	30	30	50	<30	20	<20
5	<3	30	30	50	<30	20	30
6	<3	50	100	30	<30	300	100
7	<3	50	100	100	<30	50	20
8	<3	30	30	50	<30	20	20
9	<3	30	20	30	<30	30	20
80	<3	50	100	200	<30	100	100
1	<3	30	50	50	<30	500	<20
2	<3	100	100	100	<30	300	300
3	<3	50	100	20	<30	>10000	30
4	<3	50	100	5	<30	50	100
5	<3	50	100	5	<30	300	100
600 686	<3	30	50	20	<30	100	20

LINE 5 550 W

LINE 4 250 N

ANALYTICAL METHODS:

DISTRIBUTION:

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ANALYTICAL RESULTS

Samples from: Pacminex. Pty. Ltd.
Area:
Samples of: Sediments.
Preparation: Pulverised.
Batch No.: A 2178

Sheet No.: 7
Date: 21.11.77

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

Sample Description	Bappm	Cappm	Sample Numbers.	Bappm	Cappm
600 500	30	1000	600 577	100	200
1	50	3000	8	100	100
2	50	300	9	100	100
3	3000	3000	80	100	1000
4	30	3000	1	50	50
5	30	2000	2	200	300
6	30	>10000	3	200	300
7	30	5000	4	100	1000
8	30	>10000	5	200	2000
9	30	2000	6	100	100
10	30	5000	7	50	50
1	30	5000	8	50	100
2	50	3000	9	200	100
3	30	1000	90	50	100
514	30	300	1	300	200
526	30	300	2	200	500
7	30	300	3	<30	200
8	30	>10000	4	200	300
9	30	>10000	5	100	200
30	30	300	6	30	100
1	30	500	7	50	500
2	50	1000	8	100	1000
3	100	>10000	9	30	300
4	30	300	600	<30	50
5	30	>10000	1	100	50
6	100	10000	2	30	50
7	100	10000	3	30	50
8	100	10000	4	50	50
9	200	10000	5	100	500
40	50	300	6	100	300
541	50	1000	7	50	300
551	200	2000	8	50	200
2	500	>10000	9	100	5000
3	500	3000	10	50	300
4	500	3000	1	100	5000
5	500	10000	612	30	5000
6	300	3000	626	<30	30
7	200	>10000	7	<30	50
8	300	500	8	<30	100
9	100	500	9	30	30
60	100	500	30	200	50
1	100	1000	1	<30	30
2	100	1000	2	50	100
563	30	50	3	100	100
571	30	50	4	100	200
2	100	100	5	30	300
3	50	100	6	30	300
4	50	100	7	100	500
5	50	50	8	100	300
600 576	100	200	9	100	500
			600 640	300	3000

ANALYTICAL METHODS:

DISTRIBUTION:

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PHONE: 272 5733

ANALYTICAL RESULTS

Samples from: Pacminex. Pty. Ltd.
Area:
Samples of: Sediments.
Preparation: Pulverised.
Batch No.: A 2178

Sheet No.: 8
Date: 21.11.77

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

Sample Description	Bappm	Cappm
600 641	200	>10000
2	50	>10000
3	300	3000
4	200	5000
5	200	5000
6	500	300
7	1000	200
8	1000	300
9	300	500
650	300	300
652	500	300
3	500	200
4	500	1000
5	500	500
6	500	300
7	30	100
8	300	500
9	200	500
60	200	500
1	300	500
2	100	100
3	<30	100
4	30	50
5	50	100
6	300	300
7	300	300
8	300	300
9	200	300
70	300	500
1	300	500
2	200	300
3	100	300
4	100	300
5	100	300
6	200	200
7	200	300
8	200	300
9	200	300
80	100	200
1	30	200
2	200	1000
3	500	300
4	200	300
5	1000	200
600 686	100	500

ANALYTICAL METHODS: All elements by schemes E.S. 1,2,and3 by emission spectrography.

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APPENDIX III

CHEMICAL ANALYSES, 1978 DRAINAGE/SOIL SAMPLING VICINITY OF E.M. ANOMALY 019

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

Reconnaissance Drainage near EM Anomalies

067

AREA EL 53/70, Stanley River | PROSPECT NUMBER 600 | DATE SAMPLED Jan 78 | LABORATORY REPORT NO. | NOTATIONS: SAMPLE TYPE – M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock | ADDITIONAL hNs = hornfelsed Oonah Q'zite and Sl.

STATE TAS | LOCATION EM Anomaly 019 | 1:100,000 SHEET 7914 Pieman | SAMPLER P.M. MACNAMARA | ANALYTICAL METHOD | ANALYSES: Please state element

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (microns)	Sn	Cu	Zn	Pb	Bi	Ag	W	Sb	SUMMARY DESCRIPTION	LOCATION E/W	LOCATION N/S
			CHEMICAL ANALYSES (ppm)										
600019860	M	-20	<1	3	<20		<1		<5	<10	1.4 km SW of Mt Livingstone at site of drainage anomaly 240ppm		
		-80	<5	5	10	5					Sn, 7ppm Cu (-80 mesh sample 12436 DWG 1879) near		
											airborne EM Anomaly 019 (H400 EM system).		
											1.5m gulley, colluvial bank; Ns outcrop (Oonah Q and S.)		
600019861	M	-20	3	10	<20		<1				CR to N of main CR. off Mt. Livingstone; hornfelsed Ns, red br.		
		-80	5	2	10	5			<5	10	biotite speckling. st 050/dip steep 5th.		
600019862	M	-20	3	10	<20		<1				main CR off Mt. Livingstone, between 860, 861. No outcrop; hNs		
		-80	<5	5	5	5			<5	<10	grvls; no granite boulders seen.		
600019863	M	-20	<1	10	<20		<1				below 600019860; alluvial – Ns on ridges.		
		-80	<5	5	5	5			<5	10			
600019864	M	-20	<1	3	<20		<1				a major ck above 863: hNs boulders, no granite seen; no outcrop.		
		-80	<5	5	2	2			<5	20	?hNs boulders = f.g. Sericitic rock ± black anhedral "spots".		
600019865	M	-20	3	10	<20		<1				Alluvial mud – No outcrop.		
		-80	<5	5	5	2			<5	10			
600019866	M	-20	<1	3	<20		<1				Alluvial/colluvial – no outcrop but Ns nearby		
		-80	<5	5	2	2			<5	10			
600019867	M	-20	<1	3	<20		<1				Alluvial flat.		
		-80	<5	5	5	2			<5	<10			
600019868	M	-20	10	10	<20		<1				1.5m gulley; Ns scree.		
		-80	<5	5	5	2			<5	10			
600019869	M	-20	<1	3	<20		<1				main ck – alluv. banks; no outcrop; 1.5m wide		
		-80	<5	5	10	2			<5	20			
600019870	M	-20	<1	10	<20		<1				Alluvial; no outcrop.		
		-80	10	2	10	5			<5	10			
600019871	M	-20	<1	30	<20		<1				2nd Order ck, draining S.E across divide from		
		-80	<5	2	2	2			5	10	600019860 – 870M; sand and gravel.		
600019872	R		1	10	<20	3	1	1			Spotted dark grey to black slate at site of E.M. anomaly		
											str. 280°/90° dip; Sheared ~260°?		
600019873	M	-20	3	10	<20		<1				2nd Order ck: alluvials – sand, gravels; outcrop qtzite		
		-80	<5	2	2	5			<5	<10	340°/80° dip S		
600019874	M	-20	1	10	<20		<1				Location as for 873 – "C" horizon soil		
		-80	<5	2	2	2			<5	10			

21106A

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

Reconnaissance Soil Traverse.

068

AREA EL53/70 Stanley River | PROSPECT NUMBER 600 | DATE SAMPLED JAN 78 | LABORATORY REPORT NO. | ANALYTICAL METHOD

STATE TAS | LOCATION EM Anomaly 019 | 1:100,000 SHEET Pieman 7914 | SAMPLER A. LEVIDO

NOTATIONS: 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 SIZE (microns)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	Ag	SUMMARY DESCRIPTION	LOCATION E/W	LOCATION N/S
600019900	S	-20	<1	3	<20		<1		Med. grey brown sandy soil with sandstone fragments — Oonah Q and S. (Ns) . 0.3m depth		
		-80		2	2	2					
600019901	S	-20	<1	3	<20		<1		0.1m - little soil on Ns.		
		-80		2	2	2					
902	S	-20	<1	1	<20		<1		0.3m dk gr. brn. clayey soil. (Nsh?)		
		-80		2	2	2					
903	S	-20	1.0	1.0	<20		<1		0.3m light gr. brn to white fine sandy soil (Ns)		
		-80		2	2	2					
904	S	-20	3	1.0	<20		<1		0.2m As for 600 019 900.		
		-80		2	2	5					
905	S	-20	1	1.0	<20		<1		0.2m As for 600 019 900.		
		-80		2	2	2					
906	S	-20	3	30	<20		<1		0.2m med. grey brn. loamy soil		
		-80		5	2	5					
907	S	-20	<1	1.0	<20		<1		0.2m dark grey brn loamy soil.		
		-80		5	2	5					
908	S	-20	<1	1.0	<20		<1		0.2m dk. gr. brn silty-clayey soil.		
		-80		2	2	2					
909	S	-20	<1	3	<20		<1		0.1m on bedrock: dk gr. brn. loam.		
		-80		5	5	1.0					
600019910	S	-20	<1	1	<20		<1		As for 909		
		-80		2	5	5					
911	S	-20	3	10	<20		<1		0.2 med. brn soil.		
		-80		5	2	5					
912	S	-20	1.0	1.0	<20		1		0.3m blue gr orange clay.		
		-80		2	2	10					
913	S	-20	1	1.0	<20		<1		0.3m Khaki silty clay on bedrock.		
		-80		5	5	5					
914	S	-20	<1	1.0	<20		<1		0.1m med. gr brn loamy silt.		
		-80		5	5	5					
915	S	-20	3	1.0	<20		<1		0.1m med gr-brn Sandy soil on Ns (075°/90° dip)		
		-80		2	1.0	5					
916	S	-20	1	1.0	<20		<1		As for 915.		
		-80		2	5	2					
917	S	-20	<1	1.0	<20		<1		0.2m dk. gr. brn loam ; limonitic outcrop (Ns) nearby.		
		-80		2	1.0	5					
918	S	-20	1	1.0	<20		<1		dk. grey br. loamy soil - near cliff.		
		-80		2	2	2					
919	M	-20	<1	1	<20		<1		Gulley sample.		
		-80		5	1.0	5					
600019920	S	-20	<1	1	<20		<1		dk. brn - blk. loamy soil.		
		-80		2	5	5					
921	S	-20	<1	1.0	<20		<1		med. gr. brn loamy soil		
		-80		2	2	2					

2110965

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

AREA EL 53/70 Stanley River | PROSPECT NUMBER 600 | DATE SAMPLED JAN 78 | LABORATORY REPORT NO. | ANALYTICAL METHOD

STATE TAS | LOCATION EM Anomaly 019 | 1:100,000 SHEET 7914 | SAMPLER A. LEVIDO.

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

ADDITIONAL 069

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (SIEVE) (MICRONS)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Ba	Ag	SUMMARY DESCRIPTION	LOCATION E/W	LOCATION N/S
600019922	S	-20	<1	10	<20			<1	0.1m grey brown Sandy Soil - on bedrock		
		-80		2	10	2					
923	S	-20	<1	10	<20			<1	0.1m As for 922, qtz fragments with green stains		
		-80		2	5	5					
924	S	-20	<1	10	<20			<1	0.2m As for 923		
		-80		2	5	5					
925	S	-20	<1	3	<20			<1	As for 923.		
		-80		2	5	5					
926	S	-20	<1	10	<20			<1	0.2m med gr.brn Pebbly clayey Soil.		
		-80		2	5	5					
927	S	-20	<1	10	<20			<1	0.1 med gr. clayey soil.		
		-80		2	5	5					
928	S	-20	<1	3	<20			<1	0.2m dk.gr. brn. clayey soil		
		-80		2	5	5					
929	S	-20	100	100	<20			<1	0.2m med. gr silty soil		
		-80		2	5	10					
930	S	-20	<1	10	<20			<1	0.2m. gr.brn. clayey Soil		
		-80		2	5	10					
931	S	-20	<1	10	<20			<1	As for 930.		
		-80		2	5	10					
932	S	-20	<1	1	<20			<1	0.2m. gr. brn. clayey loam.		
		-80		2	5	5					
933	S	-20	<1	3	<20			<1	As for 932		
		-80		2	2	5					
934	S	-20	<1	3	<20			<1	0.2m. gr. loam.		
		-80		2	5	5					
935	M	-20	<1	3	<20			<1	Gulley - dark grey brn. mud		
		-80		2	5	5					
936	S	-20	<1	3	<20			<1	dk. gr. brn. clayey loam (0.3m)		
		-80		2	5	10					
937	S	-20	<1	10	<20			<1	As for 936 + Pebbles.		
		-80		2	5	5					
938	S	-20	<1	3	<20			<1	0.2m. brn. sandy loam.		
		-80		2	5	5					
939	S	-20	<1	10	<20			<1	As for 937		
		-80		2	5	5					
940	M	-20	<1	10	<20			<1	0.3m gr. brn. loam		
		-80		2	5	5					
941	S	-20	<1	3	<20			<1	0.1m - ridge - Sandy Pebbly loam.		
		-80		2	2	2					
942	S	-20	<1	10	<20			<1	As for 941		
		-80		2	2	2					
943	S	-20	<1	3	<20			<1	grey brown clayey loam (0.1m)		
		-80		2	2	10					

21106