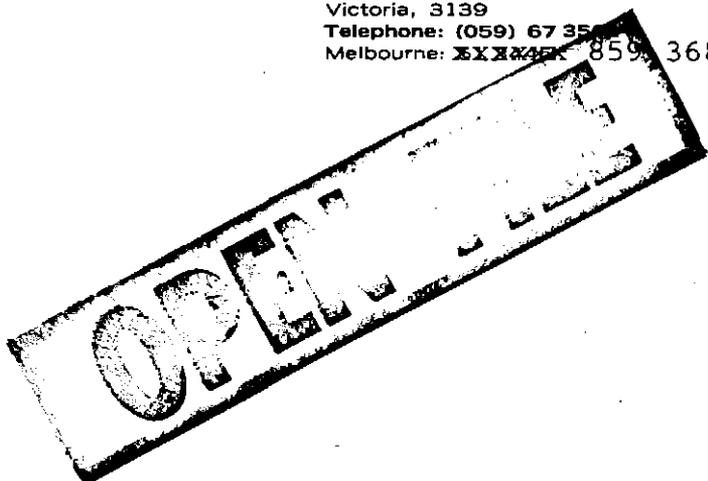


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28th July, 1988

Mr. B.T. Irving,  
Irving Corporation Pty. Ltd.,  
2nd Floor, 461 Bourke Street,  
MELBOURNE. Vic. 3000



Dear Sir,

The following report, proposed application for mining lease, in respect of exploration licence 53/70 and mining leases 29/M-31M/85 outlines the basic principals for the application.

It is obvious that the existing lease (29/M-31M/85) configurations, do not adequately cover the outlined area of colluvium.

It is considered that a tin grade of 2LB SN02 would be marginally above cut of grade considering a plant capacity of 10 M<sup>3</sup> per hour.

Tin grades of excess of three LB SN per M<sup>3</sup> have been outlined by previous companies as in map three this report.

Prior to treatment plant installation, a number of back hoe cuts are recommended to check results of previous work, evaluate the nature of the ground to be treated and undertake metallurgical work on concentrates.

Yours faithfully,

T. SLOGGETT, M, ~~MR~~ IMM.

88-2897 RF

<b>MINES</b>	
File Ref.	29M/85-31M/85
- 4 AUG 1988	
Doc. Ref.	
Action Officer	Initials
LETTER	
2. 8. '88	
REFERS	
DO	DO.
Resubmit to	Date



## PROPOSED APPLICATION FOR MINING LEASE

Within the area under application the geology is complex, the granite contact zone being obscured by colluvium.

Work by previous companies has outlined the following tin reserves in the overlying colluvium.

## Probable:

992,000 tonnes containing 3,333,120 LB SN //  
144,000 tonnes containing 835,200 LB SN //

It is to be noted that the above tin reserves are stated as possible, not proven reserves, the tin reserves in part are outlined on map three this report, auger drill logs are appended.

A detailed study of diamond drill logs indicates that granite host rocks and alteration zone rocks contain amounts of heavy minerals, ilmenite, rutile and in particular, radio-active zircon.

It is considered that the colluviums have potential for heavy minerals and in particular, rare earths (radio-active zircons).

To re auger drill the area to a proven tin reserve, and to evaluate heavy mineral reserves (close interval drilling) would entail an expenditure in excess of \$90,000.

An alternative evaluation method (with a similar cost structure) would be to install a small scale production treatment plant complete with a back hoe, to handle depths in excess of five metres. (previous auger drilling not bottomed at 2.5 metres).

It is considered that much of the tin value (as outlined map 3 this report) is virtually in situ as emplaced directly over or in close proximity to underlying lode zones.

It is indicated that stripping of such zones would produce amounts of high grade tin wash, together with sufficient heavy mineral as to allow proper determination of that product.

Stripping of the wash would have the added advantage of revealing basement in critical lode zones, and this in turn would greatly assist geological (structural) interpretation.

Considering current tin price of around \$11,000 per tonne SN or \$8,700 per 70% SN concentrates = \$4.35 per LB, it is indicated that at a plant capacity of 10 cubic metres per hour and tin grade of 2LBSN02 (\$8.70 per hour) would be required to justify the installation of a 10 cubic metre per hour mining plant.

Previous auger drilling has indicated tin values in excess of 2LB SN 02 in sufficient tonnages.

It is noted that Livingstone Creek is ideally situated as to tin concentration potential, at the headwaters of Livingstone Creek, extensive tin scarning is reported (zone 5 previous report) allowing for potential tin concentration from that point southwards. (previous attempts to hand auger along the course of Livingstone Creek have been unsuccessful).

#### RECOMMENDATIONS

It is recommended that a 10 cubic metre per hour alluvial tin treatment plant be costed and commissioned provided that the following preliminary assessments are satisfactorily undertaken.

(1) A  $\frac{1}{2}$  cubic metre track mounted back-hoe be utilised within the area, and back hoe cuts be placed in positions as outlined map 3 this report. Material from back hoe cuts should be hand concentrated, (screened and dish concentrated) the concentrates should be tested for:-

- (a) Tin grade evaluation (to test grades as in previous reports).
- (b) Metallurgical evaluation (SN, ZR, TI, etc.)
- (c) Concentration potential (grain size etc.)

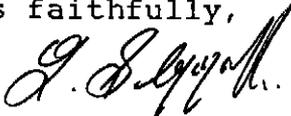
(2) A mining method programme be documented.

(3) An environmental study be undertaken.

(4) A market study be undertaken as to contracts for sale of cassiterite concentrates.

Cost estimates as to stage (1) this report are enclosed under separate cover.

Yours faithfully,



T. SLOGGETT, M.I.M.M.

REFERENCES

- MacNamara P.M. Dec 1977. Basic data on augering Stanley Reward: EL 53/70. Grid soil geochemistry 1975 - 77. PMR 168/77. TCR 77-1241.
- MacNamara P.M. AUG 1977. Basic Data on Soils Stanley Reward: EL 53/70. West Tasmania. Report on Exploration 1975 - 77. (Drilling, Geochemical & Magnetic Surveys) PMR 153/77; TCR 77-1227.
- MacNamara P.M. NOV 1978. Geochemical sampling 1978 EL 53/70. Stanley River West Tasmania. PMR 103/78, TCR 78-1315.

APPENDIX I

CHEMICAL ANALYSES - AUGERED SOIL SAMPLES  
AND ROCK CHIP SAMPLES (1977)

Note: All soil/drainage results are from the -80 mesh fraction unless -20 is specified in the sample number column.

-80 mesh results by A.A.S.

-20 mesh results by Emission Spectrograph

<u>LINE</u>	<u>PAGE</u>
4300N	7
4400N	6, 10
4400N (west)	8, 11
5800W	8
4500N	1-2
4550N	2-3
4600N	3-4, 10
4700N	5
4750N	5
4800N	5
5200N	10
5250N	9
5300N	9
6600N - 6200N	8, 10

SAMPLE NO.	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	SAMPLE DESCRIPTION
600 500S*	10	65	84	60	10	1.0						4502N/5000W - residual soil - Oonah Quartzite and Slate (N) shaley siltstone, weathered limonitic. Close to hornfelsed siltstone o/c.
600 501S	x	15	44	27	10	0.8						In depression; 0-0.5 m grey-brown alluvial N silt; 0.5-1.3 m yellow-brown weathered limonitic siltstone. (as for 600 500S) - residual. (4495N/4972W).
600 502S	10	12	12	30	8	0.8						Weakly limonitic light to medium brown clay with white clay patches with crenulations = N shale (as for 600 500S) - residual (4500N/4965W).
600 503S	x	6	8	15	8	0.8						Pale grey-brown Oonah (N) quartzose siltstone equivalent to occurrence of N at 4600N/5000W in Stanley River. Residual (4500N/4945W).
600 504S	10	23	56	14	10	0.6						Alluvial; black mud flat soil; organic (4500N/4935W).
600 505S	10	16	68	20	4	0.6						Alluvial; grey-brown mud flat soil (as for 600 504) (4500N/4925W).
600 506S	80	34	60	15	8	0.8						Alluvial; fine gravels, quartz (granitic) detritus, 3 mm pebbles fibrous (?) wollastonite calc-silicate (4500N/4912W).
600 507S	60	32	54	20	12	0.8						? Alluvial; pale micaceous siltstone fragments, minor brown chert fragments; (?) boulder at 1.5 m depth (4500N/4900W).
600 508S	200	1100	22	28	20	1.6						Alluvial flat; pyrite on hard bottom at 1.2 m under alluvials - in-situ? or on boulder; carbonate fragments plus chlorite-pyrite lumps (4500N/4887W).
600 509S	20	16	50	22	6	0.6						Alluvial; some small dark limonitic clayey pebbles in khaki brown (not Crimson Creek Formation) clay; on (?) gravel bedrock (4500N/4877W).
600 510S	10	18	42	13	4	0.6						Alluvial; mud-leaf debris, minor limonite ?, gravels bedrock 1.5 m depth (4500N/4860W).
600 511S	30	22	104	18	6	0.6						0-1.0 m alluvials - bottomed on (?) gravels; fibrous (?) wollastonite plus red chert fragments in sample (4490N/4854W).
600 512S	x	27	90	20	6	0.8						Alluvial; light khaki brown clay with limonitic pebbles; fine gravels to 1.0 m depth - ? gravel base. (4500N/4853W).
600 513S	x	22	72	14	8	0.6						0-1.0 m mud, dark organic with some light khaki (shale) lumps; bedrock boulder (4500N/4847W).
600 514S	x	34	108	19	6	1.0						Alluvial; light brown to light khaki clay with pebbles greywacke siltstone and limonitic shale to 1 m depth (4495N/4840W).
-20**	200	5	<20	<1	50	0.3	0.07	5	30	<20	300	
600 515S	340	51	170	25	12	1.4						0-1.0 m black mud then gravels; fragments of vein/geode quartz, limonitic shale and quartzose siltstone (4515N/4830W).
-20	1000	10	<20	3	30	0.2	0.095	5	<5	30	1000	
600 516S	290	24	145	20	12	1.0						0-1.0 m mud, then fine gravels (lifted by tree roots ?); fibrous quartz and limonitic shale fragments (4514N/4845W).
-20	500	5	<20	3	50	0.5	0.04	5	<5	30	300	
600 517S	50	35	190	22	8	1.0						0-1.0 m mud, then fine gravels including fibrous quartz, medium yellow-brown limonitic siltstone in dark grey-brown organic alluvial soil (4495N/4825W).
-20	500	10	<20	5	30	0.3	0.04	10	<5	30	50	
600 518S	20	14	64	18	12	1.0						Black organic mud flat soil with light brown cherty and quartz fragments - alluvial (4505N/4810W).
-20	3	3	<20	<1	10	<0.1	0.2	5	<5	30	5000	
600 519S	x	30	68	21	14	1.2						0-1.0 m mud; 1-1.5 m fine gravels with very fine crystalline quartz (siltstone ?) fragments (4500N/4810W).
-20	50	5	<20	<1	50	0.2	<3	5	<5	<20	300	

\* -80 mesh soil/drainage sample fraction by AAS

\*\* -20 mesh soil/drainage sample fraction by Emission Spec.

600

SAMPLE NO.	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	SAMPLE DESCRIPTION
600 520S -20	x 300	24 5	90 <20	19 3	10 50	0.8 0.2	<3	10	<5	30	100	0-1.0 black mud, then mud plus soft yellow siltstone; possible calc-silicate (??) and fibrous quartz fragments (4500N/4807W).
600 521S -20	120 500	31 10	76 <20	13 3	8 50	2.0 0.3	<3	20	<5	50	300	0-1.0 m mud, then fine gravels with fine grained greywacke siltstone (Crimson Creek Formation ?) in dark brown organic alluvial mud (4500N/4798W).
600 522S -20	x 100	48 10	44 <20	16 <1	10 50	1.4 0.3	<3	50	<5	20	300	0-1.3 m mud; 1.3-1.5 m fine gravels in dirty green grey khaki clayey organic soil with fragments of greywacke siltstone, and yellow-brown limonitic shale (4520N/4787W).
600 523S -20	x 10	18 5	22 <20	10 <1	10 30	0.6 0.3	<3	<3	<5	<20	300	0-1.5 m mud; at 1.5 m organic dark brown-black alluvial clay plus f.g. grey hornfels shale and white micaceous shale fragments (4500N/4775W).
600 524S -20	10 20	32 20	46 <20	13 3	10 50	1.0 0.2	<3	<3	<5	<20	100	At 1.5 m purplish brown, mauve and grey-brown clay; limonitic shale pebbles, first appearance of Crimson Creek Formation on this traverse (4500N/4768W).
600 525S -20	30 30	42 10	38 <20	16 <1	10 50	1.0 0.3	<3	5	<5	<20	300	0-1.5 m in khaki clayey sand with fragments of limonitic clayey siltstone at base = Crimson Creek Formation (4500N/4762W).
600 526S	x	65	48	20	16	1.0						Khaki clay with fragments of pinkish brown (hornfels?) chert (4515N/4753W).
600 527S	x	65	48	22	10	1.0						At 1.5 m subangular ferruginous gravel, black limonitic "pebbles" and grey-blue and khaki silty shale = Crimson Creek Formation (4500N/4750W).
600 528S	x	90	52	25	16	1.0						Base of slope; 0-1.5 m khaki clay (Crimson Creek Formation); at 1.5 m friable black granular material in clay plus yellow and blue-grey shaley siltstone fragments (4500N/4740W).
600 529S	x	57	28	26	12	1.0						Yellow brown limonitic clayey siltstone (Crimson Creek Formation), lump of goethite-limonite (4500N/4730W).
600 530S	x	75	40	27	12	1.0						Brown-khaki siltstone - fine greywacke sandstone, purplish siltstone pieces - in-situ ? Crimson Creek Formation (4500N/4712W).
600 531S	x	58	40	21	6	0.8						In gully - North bank, drains west; Crimson Creek Formation clay, quartz grains, creamy brown chert fragments - alluvial ? (4547N/4706W).
600 532S	x	75	58	24	14	1.0						South banks at 1.5 m depth : Crimson Creek Formation - yellow-brown clay, grey siltstone fragments, residual ? or hill slump ? (4537N/4710W).
600 533S	x	55	38	24	10	0.8						? Slumped Crimson Creek Formation ? At 1.2 m khaki to yellow-brown clay (Crimson Creek Formation) with fragments of gritty quartz (G ?), chert ??, purple clayey sand, grey mudstone (4550N/4743W).
600 534S	x	48	44	19	8	0.8						At 1.5 m purple-brown (Crimson Creek Formation) clay with fragments blue-grey shale, cherty black (?) hornfels-? Alluvial (4556N/4758W).
600 535S	x	60	460	40	24	1.0						Base of slope (flats to west). At 1.5 m radiating calc-silicate (wollastonite ?) plus mica and Mn staining - altered calc-shales ? (4550N/4765W).
600 536S	x	55	52	23	8	1.0						0-1.5 m - no gravels; dark greenish-khaki clayey sand alluvial (4550N/4777W).
600 537S	x	70	90	27	12	1.2						At 1.0 m - basement (or gravels); dark green-khaki silty clay. Soft altered micaceous (?) pelite with white and green-brown "bands" (4532N/4778W).
600 538S	x	50	36	19	6	0.6						At 1.5 m brown-khaki and medium brown clay with (?) wollastonite (radiating white calc-silicate), pebbles of G (quartz-tourmaline). Alluvial ? Basement ?
600 539S	x	75	56	25	8	1.2						? Alluvial: At 1.5 m green to yellow-brown clayey silt at roots of tree; minor pebbles of grey siltstone (A?) (4520N/4810W).
600 540S	x	100	60	32	8	1.0						Red limonitic patches in khaki clayey siltstone, grey-blue siltstone fragments - residual ? (4560N/4803W).

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SAMPLE NO.	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	SAMPLE DESCRIPTION
600 541S -20	x 20	75 10	74 <20	30 <1	14 20	1.6 0.2	0.08	5	<5	<20	300	Grey siltstone plus quartz-tourmaline (G) pebbles - alluvial (4555N/4815W).
600 452S -20	160 1000	75 10	64 <20	25 <1	12 30	1.4 <0.1	0.06	<3	<5	<20	1000	Alluvial; 0-1.0 m "bedrock" gravels, greenish-khaki sandy clay, pebbles quartz-tourmaline and calc-silicate (?wollastonite) fragments (4552N/4824W).
600 543S -20	>4000 2000	6500 300	300 50	40 41	10 50	13 5	0.1	5	30	<20	100	Alluvial ? dark yellow-brown soil, patches limonitic goethite and pieces greywacke siltstone (4562N/4826W).
600 544S -20	>4000 3000	2300 300	240 50	40 5	12 50	3.4 3	0.09	5	30	<20	300	In roots of old tree - former 4000 ppm Sn and Cu site. Bright red limonitic and brown goethitic clayey soil; pyrite and small euhedral brown-black cassiterite crystals panned. No pyrrhotite ? In-situ ? (4543N/4833W)
600 545S -20	>4000 3000	1500 300	102 50	65 30	12 50	2.2 5	0.09	<3	30	<20	50	As for 600 544 at 1.1 m depth - pyritic khaki clayey soil; pieces of crystalline carbonate (calcite ?) "gossanous" limonite and hornfelsic cherty shale fragments (4543N/4833W).
600 546S -20	900 1000	145 30	76 <20	25 3	8 30	1.0 0.5	0.13	5	10	20	300	At 1.4 m depth fine gravels on (?) gravel base, dark greenish khaki clay with radiating (?) wollastonite + quartz-tourmaline + white cherty fragments (4553N/4840W).
600 547S -20	320 500	90 30	74 <20	25 5	10 30	1.0 0.5	0.09	<3	<5	<20	100	Alluvial, gravels to 1.5 m - dark grey-khaki clayey silt with fragments white wollastonite and quartz-tourmaline pebbles (4565N/4848W).
600 548S -20	60 100	18 5	38 <20	24 5	6 20	0.4 <0.1	0.03	5	5	30	300	Mud flat dark brown-grey alluvial soil with quartzose gravels to 1.5 m (4553N/4865W).
600 549S -20	70 300	18 10	46 <20	14 3	6 30	0.4 <0.1	<3	5	45	30	500	Alluvial to 1.5 m - medium grey-brown clayey sand, no gravels - swamp mud (4558N/4877W).
600 550S -20	10 500	27 10	28 <20	15 5	6 20	0.4 <0.1	<3	<3	<5	<20	200	Alluvial (?) to 1.5 m medium grey-brown clayey sand, gravelly. Cream cherty shale fragments (4555N/4886W).
600 551S -20	10 1000	4 5	5 <20	9 5	12 30	x <0.1	<3	<3	<5	<20	500	0-0.7 m rounded gravels near Stanley River (4540N/4890W).
600 552S	10	7	10	12	12	0.6						0-1.0 m gravel base; light grey and light brown clayey soil with gravels of mixed shales, quartz-tourmaline, quartz etc. (4550N/4906W).
600 553S	x	11	14	18	14	0.6						Rounded gravels at 1.2 m base. Pale grey brown silty clay, hornfels-shale fragments (4548N/4927W).
600 554S	x	6	12	10	6	0.2						In tree roots - base of slope 5 m to west. At 1.5 m - alluvials; organic, light grey-brown (?) Oonah silt and shale soil (as in last 5 or 6 samples). (4525N/4947W).
600 555S	x	2	4	5	6	0.2						?Alluvial light clayey "washed" sand to 1.3 m (4600N/4984W).
600 556S	x	2	4	6	4	0.4						Pale grey-brown clayey silt (Oonah ?) at 1.5 m - no gravels - residual ? (Ns soil in fallen tree roots at 4600N/4980W). (4604N/4973W).
600 557S	x	4	6	14	4	0.4						Alluvial - pale grey and grey-brown clayey Ns (Oonah siltstone), quartz fragments (4600N/4910W).
600 558S	30	5	8	9	6	0.6						Fine gravels at base (1.5 m) of Ns type soil (see 557) with fragments of quartz, hornfels siltstone, quartz-tourmaline (4604N/4903W).
600 559S	140	29	52	14	6	0.6						Alluvial. Fine gravels at 1.3 m beneath dark organic mud (4597N/4885W).
600 560S	150	7	20	7	32	0.4						Alluvial - root of fallen tree - rounded gravels. Fine gravels to 1 m then grey-brown (alluvial ?) sand (4615N/4874W).

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SAMPLE NO.	Sn	Cu	Zn	Pb	Bi	As	Au	Ni	Co	Cr	Ca	SAMPLE DESCRIPTION
600 561S	30	12	18	5	6	0.4						0-0.8 m - 5 cm gravels then dark organic mixed alluvial sand (including granitic soil) (4596N/4857W).
600 562S	30	44	52	17	16	0.6						0.5 m old pit in gravels augered to 1.3 m - hard gravel (?) bottom - fine gravels above bottom sampled - dark black-brown organic soil (4590N/4845W).
600 563S	x	25	38	16	6	0.6						Fine gravels at 1.4 m on hard gravel bottom dark black-brown soil (4597N/4841W).
600 564S	20	32	54	10	8	0.6						At 1.3 m - hard (?) gravel base. Dark green-grey-brown clayey silt, fine gravels including, quartz, quartz-tourmaline (4600N/4838W).
-20	300	10	<20	3	30	<0.1	<3	<3	<5	30	300	
600 565S	40	40	64	7	8	0.8						As for 600 564S - Alluvial (4600N/4831W).
-20	100	5	<20	<1	50	0.3	<3	30	<5	<20	500	
600 566S	50	65	48	9	10	1.2						As for 600 564 at 1.3 m; quartz, quartz-tourmaline, mica and shaley fragments - green-brown clay. Roots of tree (4590N/4828W).
-20	20	3	<20	<1	10	<0.1	0.1	5	5	<20	300	
600 567S	110	51	64	17	10	1.2						0-1.3 m - alluvials; hard (gravel ?) base. Dark grey-brown alluvials with quartz, quartz-tourmaline, shale (4596N/4820W).
-20	500	5	<20	<1	30	0.2	0.08	5	5	20	500	
600 568S	x	46	64	12	4	1.0						0-1 m dark organic mud then gravels (base) at roots of a tree (4596N/4814W).
-20	30	5	<20	<1	30	0.2	0.09	<3	5	<20	300	
600 569S	x	49	56	19	8	0.8						0-1.0 m fine gravels then hard bottom; dark grey-khaki soil plus minor fibrous wollastonite fragments, quartz-tourmaline gravels (4603N/4808W).
-20	300	10	<20	<1	0.2	0.2	<3	10	5	<20	300	
600 570S	1200	44	62	10	4	0.8						0-1.3 m then base. Calc-silicate (wollastonite) plus (?) granitic debris ("quartz grit") (4600N/4800W).
-20	1000	20	200	3	50	0.3	0.05	10	30	20	5000	
600 571S	10	28	50	8	8	0.6						Calc-silicate (fibrous wollastonite ?) at 0.5 m on hard (dolomite ?) base (4600N/4785W).
-20	500	10	<20	3	20	0.3	<3	5	<5	30	300	
600 572S	20	50	64	20	6	1.2						In roots of old tree; 1.1 m to hard (gravel ?) base; grey-khaki and khaki clayey soil with quartz grit, khaki shale fragments.
600 573S	20	53	54	22	12	1.2						In remnants of old tree root - quartz grit, white fragments (wollastonite ?) in khaki clay. (4643N/4790W)
600 574S	x	60	46	24	14	1.2						1.5 m depth in old tree roots. Fine gravels in dark khaki clay with white (?) calc-silicate "bands/lenses". (4640N/4775W)
600 575S	10	23	22	10	8	0.4						Remnants of old tree root augered: (?) calc-silicate fragments, cellular cherty fragments, f.g. tourmaline rock (replaced siltstone ?) in dark organic soil.
600 576S	x	40	46	18	8	1.0						0-1.5 m sticky grey-khaki clay. Not bottomed. Some fibrous (?) wollastonite fragments (4600N/4778W).
600 577S	x	75	50	30	16	1.4						Yellow-brown-khaki clay, limonitic, greywacke siltstone (or tuff) fragments (4630N/4795W).
600 578S	x	90	42	30	10	1.2						Yellow-brown clayey soil (Crimson Creek Formation ?) with mottled grey-pink greywacke siltstone, limonitic fragments (4594N/4750W).
600 579S	x	95	64	25	12	1.2						0-1.0 m khaki soil with hornfelsed (?) black shale, grey-pink greywacke siltstone (as for 578), banded greywacke shale/siltstone - slump ? (4600N/4741W).
600 580S	x	65	34	20	10	1.0						Yellow-brown clay with fragments grey siltstone at bottom of auger - residual or slump Crimson Creek Formation ? (4600N/4725W).
600 581S	x	60	40	17	10	1.0						Khaki clay, purple clay at 1.5 m = residual Crimson Creek Formation with grey-blue and yellow-brown shaley fragments and limonite fragments. Black angular (2 mm) cherty pieces as gravel = chert ? (4600N/4715W).

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SAMPLE NO.	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	SAMPLE DESCRIPTION
600 582S	10	45	64	18	12	1.0						0-1.2 m - gravel basement in alluvial mining area. Gravels of quartz, quartz-tourmaline. In roots of overturned tree (4675N/4794W).
600 583S	x	1	2	3	2	0.2						Alluvial; silt above gravels in overturned tree roots on west bank Livingstone Creek : grey-brown silt. (4688N/4957W).
600 584S	x	2	4	3	4	0.2						Alluvial from overturned tree roots west bank of Livingstone Creek : granitic debris (4693N/4957W).
600 585S	x	2	4	4	6	x						1.5 m alluvials on hard (boulder ?) base granitic origin to alluvials (4750N/4810W).
600 586S	20	2	4	8	10	x						1.5 m alluvial sand, including granitic and siltstone debris in mid-creek bank. Check for alluvial Sn (4750N/4795W).
600 587S	20	24	195	16	10	1.0						Alluvial : base of slope and bank on edge of alluvial mined area. Black organic mud with shale and quartz (granite) fragments (4750N/4730W).
600 588S	10	25	4	10	4	0.4						Alluvial or slope wash : dark altered chloritic silicified granite soil plus rounded pebbles (4750N/4720W).
600 589S	10	5	6	8	2	0.4						Alluvial granitic soil (roots of old tree) (4750N/4708W).
600 590S	x	1	2	3	2	0.2						In-situ ? : granitic soil (4775N/4700W).
600 591S	x	27	22	15	10	1.0						Quartz-tourmaline fragments overlying shale hornfels soil (Crimson Creek Formation ?) at 1 m depth (4750N/4607W).
600 592S	x	35	22	15	6	0.8						Yellow-brown fine granitic soil at 1.5 m depth - slump or in-situ - Crimson Creek Formation contamination (4750N/4675W).
600 593S	x	105	30	13	6	1.6						Yellow-brown clay on Crimson Creek Formation (purplish laminated siltstone hornfels) (4700N/4650W).
600 594S	x	58	104	17	6	1.2						Dark contaminated granite - hornfels contact rock (4700N/4620W).
600 595S	x	125	84	20	8	1.4						Khaki clay plus grey hornfelsed greywacke siltstone (Crimson Creek Formation) at 1 m depth (4750N/4593W).
600 596S	x	70	58	18	8	1.2						Crimson Creek Formation hornfelsed argillite - in-situ (4750N/4578W).
600 597S	x	54	18	26	8	1.4						Crimson Creek Formation khaki clay, limonite lumps - in-situ ? (4800N/4550W).
600 598S	x	8	18	19	4	0.8						Granite debris overlying Crimson Creek Formation clay - in-situ shale (4800N/4575W).
600 599S	x	7	4	15	x	0.2						At 1.5 m reddish granitic soil. In-situ ? (4800N/4600W).
600 600S	x	44	20	12	6	0.8						In-situ weathered fine grained blue-grey-green siltstone (Crimson Creek Formation) (4800N/4625W).
600 601S	x	42	104	22	12	1.4						Khaki clayey micaceous soil after hornfelsed siltstone (4800N/4652W).
600 602S	x	16	14	22	12	1.0						Kaolinitic granitic soil to 1.5 m depth - in-situ (4800N/4675W).
600 603S	x	16	37	39	10	1.0						Greenish-grey clayey rock with quartz grains - digested shale in granite ? at contact. Radiating aggregates of kaolin/mica (4800N/4700W).
600 604S	x	22	20	22	10	0.8						At 1.5 m dark brown organic clayey soil after siltstone overlain by granite wash and pebbles (4800N/4725W).
600 605S	10	6	17	20	6	0.4						Dark grey fine micaceous alluvial sand (4800N/4731W).
600 606S	x	4	11	18	4	0.8						1.5 m of alluvial pale grey silt in mid river bank (4800N/4775W ?)

69011

010

SAMPLE NO.	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	SAMPLE DESCRIPTION
600 607S	x	1	6	6	x	x						2-5 mm ovoid black cherty "oolitic" masses in white siliceous groundmass. Possibly silicified oolitic rock. Plus Oonah Formation soil and scree. Alluvial. (4400N/4981W).
600 608S	x	2	6	8	2	x						Oonah Formation soil and silicified Oonah Siltstone fragments; at 0.3 m hard (gravel ?) base. Alluvial. (4396N/4950W).
600 609S	20	5	50	28	32	0.2						0.5 m Oonah silty soil, "columnar" and "geode" quartz fragments in roots of old tree. Alluvial. Ca reported. (4400N/4937W).
600 610S	x	2	17	8	4	0.2						0.5 m grey-brown alluvial Oonah siltstone soil - alluvial with columnar quartz fragments (4400N/4915W).
600 611S	x	2	10	7	4	0.2						0-1.0 m gravels on hard (gravel ?) base : Oonah siltstone, white milky chert (x - carbonate ?), limonite pebbles, etc (4400N/4892W).
600 612S -20	x 30	3 3	12 50	15 <1	8 50	0.4 0.5	<3	50	<5	<20	1000	0.7 m alluvials to Oonah bedrock ? - alluvial grey-brown clayey silt, yellow limonite staining (4400N/4880W).
600 613S -20	x 30	13 10	23 50	15 <1	6 30	0.4 <0.1	<3	30	<5	20	3000	0.5 m to bedrock (Oonah) of Oonah sandy silt, fibrous ? wollastonite, calc-silicate, grey-brown siliceous shale fragments with limonite ovoids, limonite coated "columnar" quartz fragments etc. in roots of fallen tree (4405N/4860W).
600 614S -20	x 200	7 10	30 50	15 3	2 30	0.2 0.3	<3	30	<5	<20	3000	0-1.0 m grey-brown clayey silty sand with calc-silicate (? wollastonite) fragments, SnO <sub>2</sub> particles (on panning), black "oolites" in white siliceous matrix, "columnar" quartz, grey-blue micaceous siltstone etc. fragments; bedrock = N ? (4400N/4843W).
600 615S -20	60 500	8 10	50 <20	19 10	6 50	0.4 0.2	<3	5	<5	20	3000	0.7 m to bedrock ? (N-Oonah ?) grey-brown clayey sand with calc-silicate (wollastonite), black "oolitic" in f.g. quartz rock etc. fragments (4404N/4835W).
600 616S -20	20 300	11 /	140 <20	30 <1	8 50	0.6 0.3	<3	5	<5	20	300	0.8 m grey-brown (N?) sand with fine gravels above (?) bedrock of fine white quartz sand (N?); green-brown felted minerals in rock, ?wollastonite, columnar quartz (4400N/4828W).
600 617S -20	x 500	11 20	43 <20	12 <1	8 30	0.6 1	<3	10	<5	<20	1000	0-1.1 m fine gravels, yellow-brown limonite to hard base in roots of fallen tree (4387N/4816W).
600 618S -20	x 300	21 10	65 <20	18 <1	8 30	0.8 0.5	<3	<3	<5	<20	1000	As for 600 620S - white quartzose siltstone, talcose and calc-silicate (wollastonite ?) fragments (4400N/4807W).
600 619S -20	40 500	9 20	24 300	28 <1	54 30	1.4 0.3	<3	10	<5	<20	2000	1.2 m khaki-grey gravels in roots of fallen tree to soft bedrock of very fine grained chloritic quartzose siltstone (as for 620) (4390N/4800W).
600 620S -20	50 500	5 10	19 1000	29 <1	54 30	1.4 0.5	<3	5	<5	30	>1%	At + 1.2 m depth at site 600 619S - altered white quartzose siltstone with ?biotite-chlorite; acid test yielded CO <sub>2</sub> - possibly a micaceous (phlogopite ?) carbonate siltstone.
600 621S -20	30 50	6 3	39 <20	28 <1	38 30	1.4 0.1	0.1	<3	30	<20	3000	As for 620 at 1.0' m, acid test positive, felted radiating (?) wollastonite (25 m at 122°M from 600 620S).
600 622S -20	x 100	15 3	95 <20	23 <1	14 50	1.2 0.1	<0.02	<3	5	<20	300	1.0 m fine gravels on hard base. Calc-silicate fragments (wollastonite ?) in khaki clay (4400N/4792W).
600 623S -20	50 300	9 5	25 <20	29 <1	50 50	1.6 0.3	<0.02	<3	5	30	5000	1.2 m to bedrock. As for 600 620S - white and greenish chloritic carbonate siltstone; CO <sub>2</sub> with acid SnO <sub>2</sub> in heavy minerals from panning (4400N/4782W).
600 624S -20	10 300	12 10	13 <20	7 <1	250 100	0.2 0.3	<0.02	<3	50	<20	5000	At 1.5 m depth, radiating calc-silicate (? wollastonite) rock (4400N/4768W).
600 625S -20	x 200	60 50	37 100	26 <1	6 50	1.0 0.3	0.05	<3	<5	<20	200	Grey-brown khaki clay with fine gravel at 1.5 m depth - not bottomed. Fragments of green crystals (calc-silicate ?), radiating (?) wollastonite, minor dark chert, minor blue-grey shale (4400N/4756W).

699012

011

SAMPLE NO.	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	SAMPLE DESCRIPTION
600 626S -20	x <1	46 5	95 30	19 <1	10 20	0.8 <0.1	<0.02	<3	<5	<20	100	Calc-silicate chert at 0.2 m - residual; large fragments with white (?) wollastonite in chert (4400N/4743W).
600 627S	10	45	40	22	4	0.8						Grey-brown-khaki clay with fragments of limonite and pink quartzose siltstone. In-situ? No obvious calc-silicates (4400N/4735W).
600 628S	x	80	200	50	18	1.6						0-1.5 m : Crimson Creek khaki clay, one red cherty pebble. Chloritized green micaceous calcareous greywacke shale, finely banded, some calc-silicate (inter-banded or exotic?) (4400N/4731W).
600 629S	x	60	18	24	10	0.8						Finely banded greenish-grey and blue-grey greywacke shale. Similar to 600 628S but non-laminated (4400N/4716W).
600 630S	10	60	26	31	8	0.8						White, grey and green micaceous banded kaolinite greywacke shale (no calc-silicate seen but similar to 628 629S). Angular pieces of soft "porcellanite" (4400N/4708W).
600 631S	x	375	75	44	18	2.0						Dark yellow-brown clayey soil after banded limonitic white-yellow-brown shale; limonite coated greenish greywacke siltstone fragments (4402N/4696W).
600 632S	x	80	54	26	8	1.0						0-1.2 m dark brown-khaki soil with red limonitic earthy rock fragments (= hornfelsed siltstone or shale?). Possibly soil slump (pebbles in clay) or in-situ (4300N/4703W).
600 633S	x	28	33	15	8	1.0						0-1.5 m dark blue-black alluvial soil = ?black shale?. minor grey shale fragments (4303N/4721W).
600 634S	x	54	27	18	4	0.8						Greenish-blue-grey clayey sand, some pale white shale fragments (4300N/4737W).
600 635S	x	35	40	15	8	0.8						Calc-silicate in banded greenish (chloritic) and white siltstone - altered shaley dolomite? (4300N/4749W).
600 636S	x	17	26	10	4	0.4						Dark greenish-grey-brown soil with calc-silicate (wollastonite?) fragments at 1.0 m - similar to 600 635S.
600 637S	x	38	100	20	6	1.0						1.5 m dark green-grey-brown (?) alluvial sand, traces of wollastonite fragments (4300N/4776W).
600 638S	10	11	42	10	x	0.4						0.7 m fine gravels in green-brown clayey soil. Calc-silicate chips, hard base (4300N/4787W).
600 639S	x	24	140	20	10	0.6						0-1.0 m to hard base. Greenish brown clayey sand with calc-silicate fragments at base. In-situ? (4300N/4794W).
600 640S	x	6	27	10	8	0.4						Greenish-khaki clayey sand with white f.g. siltstone (calc-silicate??), limonitic columnar quartz fragments, pale cream chert fragments - alluvial (4300N/4808W).
600 641S	x	2	19	11	12	0.4						0-1.0 m bedrock. As for 600 640S with white f.g. quartz siltstone (Oonah?) (4300N/4819W).
600 642S	40	3	15	28	64	1.2						0-0.7 m hard base; green-khaki clayey silt, white quartz "siltstone" (Oonah?) (4300N/4831W).
600 643S	x	2	17	9	4	0.2						Brown clayey grit, white porcellanite chips, radiating wollastonite, grey-white quartz fragments. (4300N/4844W).
600 644S	x	6	33	20	6	0.4						Dark brown organic mud with fragments of fine grained white "quartzose" siltstone, radiating calc-silicate, white chert and possibly black oolites in grey-white quartz matrix. Not Oonah (4300N/4856W).
600 645S	x	1	6	10	6	0.2						Dark grey-brown organic clay, hard base 0.3 m. Fragments of milky-glassy chert and wollastonite? - chert fragments, black oolitic chert in white quartzose matrix. Not Oonah (4300N/4867W).

699013

612

SAMPLE NO.	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	SAMPLE DESCRIPTION
600 646	x	7	4	10	2	0.2						0-0.2 m to bedrock dark grey soil with dark quartz mica siltstone and fine sandstone fragments - Oonah Formation in-situ (4400N/5925W).
600 647S	x	1	4	4	2	x						0.2 m to residual black or dark grey shale - Oonah Formation. Rounded boulders including altered granite capping hill top upslope - high level gravel remnants (4400N/5893W).
600 648S	x	2	5	3	4	x						Finely laminated grey-black shale in-situ (4400N/5850W).
600 649S	x	2	7	3	x	x						Fine grained grey-green shale (N), "columnar" crystalline quartz fragments (4400N/5830W).
600 650S	x	38	5	12	4	0.4						Pale limonitic grey shales beneath shallow cover of volcanic scree from upslope (4400N/5800W).
600 651R	80	45	140	47	20	1.6						Pale cream volcanic ? scree : 0.5 mm felsite with feldspar and chloritized FeMgs - see 600 664S and 600 720R (4400N/5790W).
600 652S	20	25	14	38	20	1.0						Shale soil (N) with fragments of quartz veined with limonite (from the volcanics ?) (4400N/5782W).
600 653S	x	6	9	20	4	0.6						1.5 m alluvial micaceous mud flat soil after N siltstone (ti-tree flat) (4400N/5747W).
600 654S	x	4	6	10	4	0.2						1.5 m black ti-tree flat alluvial silt (N type soil) (4400N/5731W).
600 655S	x	4	7	7	x	0.2						As for 600 654S, grey-brown (4400N/5700W).
600 656S	x	3	10	5	6	0.2						1.5 m alluvial washed pale grey-brown sand (4400N/5652W).
600 657S	x	4	7	8	6	0.2						Alluvial gravels, quartz and quartz-feldspar rich (granite) to 1.5 m depth (4400N/5625W).
600 658S	x	18	17	25	14	1.0						On slope - quartz veined blue-grey N quartzite (Ns) - hornfelsed ? Residual (4395N/5550W).
600 659S	x	3	5	8	4	0.2						Grey-brown alluvial clayey silt (N type) on flat area (4400N/5562W).
600 660S	x	6	3	8	6	0.4						Alluvial quartz-feldspar sand (granitic) to 1.5 m - river flat (4400N/5580W).
600 661S	50	3	3	6	4	0.4						Alluvial as for 600 660S (4400N/5608W).
600 662S	x	2	2	2	6	0.4						Oonah (N) siltstone downslope of volcanics: sericite siltstone (5800W/4360N).
600 663S	80	65	34	54	12	0.6						Yellow-brown clayey soil, residual - volcanics soil ? (5800W/4373N).
600 664S	10	24	36	85	16	1.0						Intermediate - basic volcanic soil, limonitic; in-situ; see chemical analysis 600 720R (5800W/4387N).
600 665S	x	2	1	2	2	x						0.2 m to Ns bedrock ? light grey-brown Ns soil and fragments (6250N/5170W).
600 666S	x	2	2	2	2	x						As for 600 665S (6250N/5150W).
600 667S	x	4	2	4	8	0.2						1.5 m alluvials with quartz, granitic debris. Possibly limonitic shale bedrock (6250N/5130W).
600 668S	30	3	1	5	4	0.2						1.3 m alluvials (granitic, N) to (?) bedrock of yellow-brown limonitic siltstone as small chips off possible bedrock (6250N/5114W).
600 669	70	2	1	2	4	x						0.2 m of alluvials including granite and traces of limonite "gossan" ? scree. Not bottomed (6250N/5100W).
600 670S	x	2	3	1	2	0.2						Alluvials, mainly Ns and some quartz-tourmaline pebbles (6250N/5087W).

699014

018

SAMPLE NO.	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	SAMPLE DESCRIPTION
600 671S	50	2	4	3	4	x						+1.0 m alluvials including granitic and Ns (5300N/4884W).
600 672S	x	2	4	30	2	x						0.7 m gravels to bedrock (?) possibly granite (?) (5300N/4873W).
600 673S	x	2	5	5	4	0.2						0.06 m : trench; 0.6 m - 1.0 m granite in-situ (5296N/4865W).
600 674S	x	3	5	6	12	0.4						Trench 0.5 m to granite base (5293N/4870W).
600 675S	x	2	6	5	6	0.2						1.5 m in-situ soft leucocratic chloritic granite soil (5269N/4847W).
600 676S	130	30	40	23	6	0.6						Hard chocolate shale hornfels at base of hill in bottom of costean; limonitic (5266N/4860W).
600 677S	x	20	11	24	6	0.4						In costean : 1.3 m into yellow limonitic fine grained granite (chilled ?) in-situ (5268N/4858W).
600 678S	x	2	9	14	4	0.4						Very limonitic granite, in-situ (5278N/4868W).
600 679S	x	2	7	11	4	0.2						Weathered clayey granite in-situ (5280N/4874W).
600 680S	x	21	102	115	6	0.8						Residual greenish-grey micaceous fine siltstone or shale with red hematite coloured bands; biotite hornfelsing ? Limonite scree on top 0.5 m thick (granite contact 0.5 m to the south) (5264N/4863W).
600 681S	x	5	6	13	4	x						Soft white granite in-situ in costean (5262N/4867W).
600 682S	10	14	140	70	8	1.0						Brown (biotite) micaceous shale with red hematite colour in places - in-situ, hornfelsed? (5259N/4868W).
600 683S+4000	135	76	38	16	1.8							Limonitic "gossan" and red-brown soil in wall of costean - on shale ? (5254N/4872W).
600 684S	120	60	135	22	6	1.0						1.3 m to hard layer (gravels, gossan ?) of yellow-brown shaley, "talcose" soil - in-situ (5247N/4871W).
600 685S	860	85	106	27	26	1.2						South wall of costean leading to adit : pale yellow-brown clayey soil, "talcose" feel; shale on west side of gossan probably, (but loose ? scree gossan mixed in) (5246N/4867W).
600 686S	40	8	3	9	8	0.4						0-1.2 m grey granitic soil; 1.2-1.5 m yellow-white fine grained granite with quartz "eyes" (granite porphyry ?) (5258N/4849W).
600 687R	1.25%	175	88	24	18	2.4						Adit portal inwards, 0-2 m chip channel of limonitic clayey rock with signs of radiating calc-silicate (wollastonite ?). After calcareous shale ?
600 688R	3200	160	56	23	30	2.4						Adit 2-5.5 m from portal, similar to 600 687R - chip channel.
600 689R	1.90%	175	52	26	26	2.4						Limonitic gossan chip channel 5.5 m from portal to 7 m (i.e. 1.5 m) on face. Face in gossan still.
600 690R	0.63%	210	70	30	28	2.6						Chip sample of hard and softer clayey limonitic "gossan" in slot (5249N/4861W).
600 691R	50	150	84	31	26	2.4						Chips of hard surface gossan in trench. Gossan extends NE to near shaft at 4850W (5254N/4859W).
600 692R	0.68%	200	58	32	78	2.2						Dump material from nearby outcrop and shaft - limonitic "gossan" fragments (5233N/4851W).

011

SAMPLE NO.	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	SAMPLE DESCRIPTION
600 693R	1.80%	300	56	28	64	2.0						Limonitic shale - gossan shaft dump (5227N/4850W).
600 694R	1.05%	400	44	25	60	2.2						+2.5 m wide limonitic gossan in trench face with shale bands.
600 695R	1.50%	95	113	33	18	2.2						Limonitic gossan, clayey 3.7 m wide in trench - chips sample.
600 696R	3900	65	20	90	250	0.6						In bottom of trench - weathered granite (5204N/4859W).
600 697R	1300	170	22	32	700	1.0						Talcose pale grey and cream shale, probably in-situ. No limonitic gossan seen (5201N/4862W).
600 698R	190	65	50	10	10	0.4						Pale cream-white shaley siltstone with blue-green chloritic bands and fine grained quartz. In-situ (5193N/4872W).
600 699R	0.48%	650	60	29	52	2.4						Dump near shaft : limonitic gossan.
600 700R	2700	210	72	36	60	2.0						In trench deep brown limonitic shale with patches of harder limonite (3.3 m).
600 701R	100	7	8	3	4	0.2						Calc-silicate rubble - white radiating (?) wollastonite in white cherty quartz (see T.S.) (4400N/4752W).
600 702R	100	29	20	12	4	0.4						Black shale with bands of shale breccia - "slumped" crenulation breccia ? (4400N/4740W).
600 703R	2700	140	185	24	18	2.6						Chips of limonitic gossan line 6550N line
600 704R	0.56%	290	225	25	250	2.4						As for 600 703R.
600 705R	2700	12	82	25	700	2.2						Chips of limonite gossan outcrop line 6400N.
600 706R	0.41%	9	112	21	210	2.4						As for 600 705R.
600 707R	70	35	510	28	30	2.2						6375N adit, Livingstone Creek - north wall chip sample of gossan.
600 708R	140	60	500	44	22	2.2						6375N adit, Livingstone Creek - north wall limonitic gossan chips.
600 709R	130	48	900	45	20	2.4						As for 600 708R - south wall.
600 710R	100	70	470	38	14	2.0						As for 600 709R.
600 711R	120	31	170	140	16	1.6						6375N adit - north wall shales west of gossan nearer face of adit.
600 712R	100	26	140	30	16	1.6						As for 600 711R - south wall of adit, pale cream to cream-brown laminated (0.5 - 1 mm laminae) talcose - feeling (kaolin ?) siltstone. Veined by goethitic-limonitic chert.
600 713R	2700	145	165	21	62	2.4						Chips from limonitic gossan on line 6350N.
600 714R	2300	170	175	20	80	2.0						As for 600 713R.
600 715R	0.41%	18	160	20	34	3.0						As for 600 713R.
600 716R	3400	19	140	24	12	2.4						Chips from limonitic gossan on line 6300N.
600 717R	2000	110	240	160	44	2.4						As for 600 716R.
600 718R	750	18	24	10	8	0.4						Near top of Oonah Quartzite and Slate - outcrop south bank Stanley River (see previous report T.S. and chemical analysis) (4565N/4980W).
600 719R												Vicinity of Zeehan Western and Montana Mines, Zeehan at 1 km from Zeehan on old Corinna Road: Spillite near top of Oonah Formation probably from a shaft (unweathered sample). Compare with 5800W/4400N volcanic Stanley River. Grey volcanic with black ovoids and white crystalline 1-2 mm ovoids.

699016

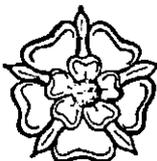
018

SAMPLE NO.	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	SAMPLE DESCRIPTION
600 720												Volcanic rock at 4400N/5800W. As for 600 651 and 600 664 - (?) basic felsite volcanic.
600 721R												As for 600 720R.
600 722R												As for 600 607R - white fine grained siliceous.

699017

APPENDIX IICHEMICAL ANALYSES - AUGERED SOIL SAMPLES (1977)-20 MESH ANOMALY CHECKS BY EMISSION SPECTROGRAPH

Note: Sn-Cu-Zn-Pb-Bi-Ag-Au-Ni-Co-Cr results  
are also listed in Appendix I.



# ANALYTICAL RESULTS

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

Samples from: Pacminex Pty. Ltd.

Area: Prospect, No. 600

Samples of: Rocks and soils.

Preparation: Crushed and pulverised.

Batch No.: A S. 498

Sheet No.: 5.

Date: 2.6.77

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

Sample Description	Snppm	Znppm	Bappm	Cappm	Srppm
600 514	200	<20	200	300	<30
5	1000	<20	100	1000	<30
6	500	<20	200	300	<30
7	500	<20	<30	50	<30
8	3	<20	200	5000	<30
9	50	<20	100	300	<30
20	300	<20	30	100	<30
1	500	<20	50	300	<30
2	100	<20	50	300	<30
3	10	<20	30	300	<30
4	20	<20	30	100	<30
525	30	<20	50	300	<30
541	20	<20	50	300	<30
2	1000	<20	200	1000	<30
3	2000	50	<30	100	<30
4	3000	50	100	300	<30
5	3000	50	<30	50	<30
6	1000	<20	200	300	<30
7	500	<20	30	100	<30
8	100	<20	300	300	<30
9	300	<20	300	500	<30
50	500	<20	200	200	<30
551	1000	<20	300	500	<30
564	300	<20	100	300	<30
5	100	<20	100	500	<30
6	20	<20	100	300	<30
7	500	<20	300	500	<30
8	30	<20	100	300	<30
9	300	<20	30	300	<30
70	1000	200	200	5000	<30
571	500	<20	200	300	<30
612	30	50	200	1000	<30
3	30	50	200	3000	<30
4	200	50	300	3000	<30
5	500	<20	300	3000	<30
6	300	<20	50	300	<30
7	500	<20	100	1000	<30
8	300	<20	200	1000	<30
9	500	300	30	2000	<30
20	500	1000	200	10000	<30
1	50	<20	300	3000	<30
2	100	<20	50	300	<30
3	300	<20	50	5000	<30
4	300	<20	<30	5000	<30
5	200	100	30	200	<30
600 626	<1	30	100	100	<30
601 33S	<1	30	<30	100	<30
34R	<1	<20	200	100	<30
35R	<1	<20	200	100	<30
601 36R	<1	30	200	100	<30

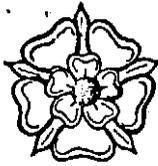
ANALYTICAL METHODS:

DISTRIBUTION:

Signed

*H. Bevan*





**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. (Your O/N 14131)

Area: Prospect No. 600

Samples of: Rocks and Soils.

Preparation: Crushed and pulverised.

Batch No.: AS.498

Sheet No.: 1.

Date: 2.6.77

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

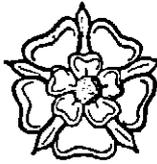
Sample Description	Coppm	Crppm	Mnppm	Noppm	Nippm	Wppm	Agppm
600 514	30	20	300	20	5	50	0.3
5	5	30	200	20	5	50	0.2
6	5	30	200	20	5	50	0.5
7	5	30	200	20	10	50	0.3
8	5	30	200	20	5	50	0.1
9	5	20	200	20	5	50	0.2
20	5	30	300	20	10	50	0.2
1	5	50	300	20	20	50	0.3
2	5	20	100	20	50	50	0.3
3	5	20	100	20	20	50	0.3
4	5	20	100	20	20	50	0.2
5	5	20	300	20	5	50	0.3
541	5	20	200	20	5	50	0.2
2	5	20	200	20	5	50	0.1
3	30	20	500	20	5	50	0.5
4	30	20	300	20	5	50	0.3
5	30	20	300	20	5	50	0.5
6	10	20	200	20	5	50	0.5
7	5	20	100	20	5	50	0.5
8	5	30	300	20	5	50	0.1
9	5	30	300	20	5	50	0.1
50	5	20	300	20	5	50	0.1
551	5	20	300	20	5	50	0.1
564	5	30	200	20	5	50	0.1
5	5	20	100	20	30	50	0.3
6	5	20	300	20	5	100	0.1
7	5	20	100	20	5	50	0.2
8	5	20	300	20	5	50	0.2
9	5	20	300	20	10	100	0.2
70	30	20	500	20	10	300	0.3
571	5	30	300	20	5	50	0.3
612	5	20	300	20	50	50	0.5
3	5	20	300	20	30	50	0.1
4	5	20	300	20	30	50	0.3
5	5	20	200	20	5	50	0.2
6	5	20	300	20	5	100	0.3
7	5	20	200	20	10	50	1
8	5	20	300	20	5	50	0.5
9	5	20	500	20	10	50	0.3
20	5	30	500	20	5	50	0.5
1	30	20	300	20	5	50	0.1
2	5	20	300	20	5	50	0.1
3	5	30	500	20	5	50	0.3
4	50	20	1000	20	5	50	0.3
5	5	20	300	20	5	50	0.3
600 626	5	20	200	20	5	50	0.1
601 33S	5	20	200	20	5	50	0.1
34R	5	20	100	20	5	50	0.1
5R	5	20	100	20	5	50	0.1
601 36R	5	20	300	20	5	50	0.1

ANALYTICAL METHODS:

DISTRIBUTION:

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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: Prospect No. 600

Samples of: Soils and rocks.

Preparation: Crushed and pulverised

Batch No.: A S. 498

Sheet No.: 3.

Date: 2.6.77

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

Sample Description	Asppm	Auppm	Bippm	Cdppm	Cuppm	Pbppm	Sbppm
600 514	<50	△△△	50	3	5	<1	△30
5	<50	△△△	30	△△△	10	3	△30
6	<50	△△△	50	△△△	5	3	△30
7	<50	△△△	30	△△△	10	5	△30
8	<50	△△△	10	△△△	3	<1	△30
9	<50	△△△	50	△△△	5	<1	△30
20	<50	△△△	50	△△△	5	3	△30
1	<50	△△△	50	△△△	10	3	△30
2	<50	△△△	50	△△△	10	<1	△30
3	<50	△△△	30	△△△	5	<1	△30
4	<50	△△△	50	△△△	20	3	△30
525	<50	△△△	50	△△△	10	<1	△30
541	<50	△△△	20	△△△	10	<1	△30
2	<50	△△△	30	△△△	10	<1	△30
3	<50	△△△	50	△△△	300	<1	△30
4	<50	△△△	50	△△△	300	5	△30
5	<50	△△△	50	30	300	30	△30
6	<50	△△△	30	△△△	30	3	△30
7	<50	△△△	30	△△△	30	5	△30
8	<50	△△△	20	△△△	5	5	△30
9	<50	△△△	30	△△△	10	3	△30
50	<50	△△△	20	△△△	10	5	△30
551	<50	△△△	30	△△△	5	5	△30
564	<50	△△△	30	△△△	10	3	△30
5	<50	△△△	50	△△△	5	<1	△30
6	<50	△△△	10	△△△	3	<1	△30
7	<50	△△△	30	△△△	5	<1	△30
8	<50	△△△	30	△△△	5	<1	△30
9	<50	△△△	50	△△△	10	<1	△30
70	<50	△△△	50	△△△	20	3	△30
571	<50	△△△	20	△△△	10	3	△30
612	<50	△△△	50	△△△	3	<1	△30
3	<50	△△△	30	△△△	10	<1	△30
4	<50	△△△	30	△△△	10	3	△30
5	<50	△△△	50	△△△	10	10	△30
6	<50	△△△	50	△△△	5	<1	△30
7	<50	△△△	30	△△△	20	<1	△30
8	<50	△△△	30	△△△	10	<1	△30
9	<50	△△△	30	△△△	20	<1	△30
20	<50	△△△	30	10	10	<1	△30
1	<50	△△△	30	3	3	<1	△30
2	<50	△△△	50	5	3	<1	△30
3	<50	△△△	50	5	5	<1	△30
4	<50	△△△	100	3	10	<1	△30
5	<50	△△△	50	30	50	<1	△30
600 626	<50	△△△	20	5	5	<1	△30
601 33S	<50	△△△	10	5	5	<1	△30
34R	<50	△△△	10	5	5	3	△30
35R	<50	△△△	10	3	3	3	△30
601 36R	<50	△△△	10	5	20	100	△30

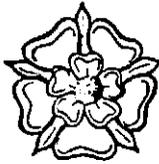
ANALYTICAL METHODS:

DISTRIBUTION:

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*H. S. ...*





## ANALYTICAL RESULTS

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

Samples from: Pacminex Pty Ltd. (Your O/N 14131)

Area: Prospect No. 600.

Samples of: Rocks and Soils.

Preparation: Crushed and pulverised as req'd.

Sheet No.: 1.

Batch No.: A 5. 498.

Date: 2.6.77.

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

Sample Description	Aupp.						
600514	70						
5	95						
6	45						
7	45						
600518	200						
600541	85						
2	65						
3	100						
4	95						
5	90						
6	130						
7	90						
600548	30						
600566	100						
7	85						
68	95						
600570	55						
600621	100						
2	<20						
3	<20						
4	<20						
5	55						
600626	<20						
<u>REPEAT AND CHECK</u>							
600542	65						
600621	100						

ANALYTICAL METHODS: Au by Special low level CRA/AAS method.



DISTRIBUTION: Pacminex Pty Ltd. - Sydney. Signed *H.A. Bennett*  
N.S.W.

This Laboratory is registered by the National Association of Testing

APPENDIX I

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

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

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

DATE SAMPLED 9/1/79  
 SAMPLER P. MACNAMARA

LABORATORY REPORT NO. \_\_\_\_\_  
 ANALYTICAL METHOD \_\_\_\_\_

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

ADDITIONAL A = Crimson CK Argillite

SAMPLE NUMBER	SAMPLE TYPE	DEPTH (meters)	CHEMICAL ANALYSES (ppm)										SUMMARY DESCRIPTION	LOCATION		
			Sn	Cu	Zn	Pb	Ri	Ag						ENT N/S	HTS LINE	
600750	S	-20 -80	<1	30	20		<1							0-0.7m khaki clayey soil - crimson ck fm - in situ (A)	180N	ML18
600751	S	-20 -80	<1	300	30		<1							0-0.5m wd. khaki clay soil ± gr. blk hornfelsed g/wacke cont. frags. - in situ. (A)	162N	ML18
600752	S	-20 -80	<1	100	30		3							0-0.7m No for 600751 (A)	141N	ML18
600753	S	-20 -80	<1	100	<20		<1							0.5m : xaline hornfels ± pyrite - g/wacke or bnsilt? plus khaki sh. wd. rk - residual? (A)	115N	ML18
600754	S	-20 -80	<1	100	<20		<1							0.6m : A - mauve clay shale - base of main slope - residual.	90N	ML18
600755	S	-20 -80	<1	300	<20		<1							1.7m : residual pale white - yellow clay shale, overlain by clay	65N	ML18
600756	S	-20 -80	<1	300	<20		<1							1.1m : residual dk. gr. med. grained greywacke overlain by ? hornfelsed med. grey cherty banded sh. frags	40N	ML18
600757	S	-20 -80	<1	100	<20		<1							1.5m : residual white - red brown silty clay soil (A?)	15N	ML18
600758	S	-20 -80	<1	1000	<20		<1							1.3m : crimson ck. fm clay (khaki) - A	14S	ML18
600759	S	-20 -80	<1	300	30		<1							0.6m : khaki A clay, breccia rock at bottom.	30S	ML18
600760	S	-20 -80	<1	300	<20		<1							1.2m khaki clay (A) - on flat at 55 S	60S	ML18
600761	S	-20 -80	30	100	<20		<1							1.9m - mud flat (horizontal scrub); black oolitic chert fragments at 1.9m (Doc)	78S	ML18
600762	S	-20 -80	<1	30	<20		<1							0.6m : limonitic clay, ? black sh; oolitic chert fragments - top of chert "ridge" at 10.6 S	93S	ML18
600763	S	-20 -80	<1	10	<20		<1							0.4m : d. grey to grey black shale	113S	ML18
600764	S	-20 -80	30	300	<20		<1							0.2m : hard bottom - clay + broken fragments	143S	ML18
600765	S	-20 -90	<1	100	<20		<1							0.2m : hard pale grey, slightly limonitic shale	152S	ML18
600766	S	-20 -80	<1	3	<20		<1							0.7m : pale limon. brown silty sh or slt.	172S	ML18
600767	S	-20 -80	30	300	30		<1							white clay, pale yellow brown in places - no calc-silicate minerals seen. (check Ca)	203S	ML18
600768	S	-20 -80	<1	1	<20		<1							pale cream clay, limonite patches - sh.	227S	ML18
600769	S	-20 -80	<1	30	<20		<1							pale grey slt - sh., pale clay soil	257S	ML18
600770	S	-20 -80	100	100	<20		<1							black shale fragments - in situ? - base of slope.	283S	ML18

600750

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

AREA EL53/70 Stanley River  
 STATE TAS LOCATION STANLEY REWARD

PROSPECT NUMBER 600  
 1:100,000 SHEET 7914 Pieman

DATE SAMPLED JAN. 75  
 SAMPLER P. MACNAMARA

LABORATORY REPORT NO. \_\_\_\_\_  
 ANALYTICAL METHOD \_\_\_\_\_

NOTATIONS: SAMPLE TYPE — M - Creekmurt, S - Soil  
 SA - Soil Auger, HC - Drill Core.  
 RP - Percussion Chipt  
 R - Rock  
 ANALYSES: Please state element

ONAL NS - Chert in Great S...  
quartzite 201

SAMPLE NUMBER	APERTURE (mm) / INTERVAL (microns)	CHEMICAL ANALYSES (ppm)										SUMMARY DESCRIPTION	LOCATION	
		Sn	Cu	Zn	Pb	Bi							E/W	MLB, M OF LINES
600771	S -20 -80	<1	1.00	<20		<1						Donah Quartzite and Slate scree - glistic slst (Ns)	3045	ML18
600772	S -20 -80	<1	1.00	<20		<1						0.6m: Donah soil, Ns fragments - grey Ns soil	3285	ML18
600773	S -20 -80	<1	1.00	<20		<1						0.5m: Ns soil - Ns fragments (in situ?)	3555	ML18
600774	S -20 -80	1	3.00	<20		<1						1.0m - bedrock Donah, grey silty shale (Nsh), Ns scree 0-1m.	3325	ML19
600775	S -20 -80	1	3.00	<20		<1						0.7m - Nsh - black shale, Ns scree 0-0.7m	3105	ML19
600776	S -20 -80	1	1.00	<20		<1						0.3m: grey Ns scree	2935	ML19
600777	S -20 -80	10	30	<20		<1						0.2m Ns soil on hard base (N?) - mud flat area.	2675	ML19
600778	S -20 -80	3	1.00	<20		<1						0.3m: yell. br. limonitic Nsh or Ns (sampled) under Ns scree	2535	ML19
600779	S -20 -80	<1	1.0	<20		<1						0.4m: red br clay (sh?), Ns scree 0-0.4m	2355	ML19
600780	S -20 -80	<1	1.00	<20		<1						0.3m: blue grey-black shaley slst (Nsh) - black slst; argitic	2225	ML19
600781	S -20 -80	<1	1.00	30		<1						0.5m: med. brown clay (= sh?) - residual?	2105	ML19
600782	S -20 -80	<1	1.00	<20		<1						0.4m: grey silty sh, overlain by gr. br. silty sh soil.	1985	ML19
600783	S -20 -80	<1	1.00	<20		<1						0.4m: pale gr. sh, wtd to limon - Mn stained pale gr. br. clay	1855	ML19
600784	S -20 -80	<1	30	<20		<1						0.6m: white to cream shale (check Cu%), 0-0.6 alluvial, glz, frags of white hard "Percellanite" slst sh	1715	ML19
600785	S -20 -80	<1	1.00	<20		<1						0.3m: brown clay (sh) base, sl limon	1585	ML19
600786	S -20 -80	<1	30	<20		<1						0.3m: f.g. granular rock - dolomitic slst? (check Cu)	1455	ML19
600787	S -20 -80	<1	30	<20		<1						0.4m: med to dark grey sh, white silt bands - residual	1305	ML19
600788	S -20 -80	<1	30	<20		<1						0.4m: pale fawn colored clay (sh)	1165	ML19
600789	S -20 -80	<1	1.00	<20		<1						0.6m: brown limon clay (sh), grey sh nearby	1055	ML19
600790	S -20 -80	<1	1.00	<20		<1						1.0m: pale grey brown slst (≈ Ns type?) - check Cu.	925	ML19

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

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

DATE SAMPLED JAN 79  
 SAMPLER P.M.M.

LABORATORY REPORT NO. \_\_\_\_\_  
 ANALYTICAL METHOD \_\_\_\_\_

NOTATIONS: SAMPLE TYPE — M - Creek/ml, S - Soil  
 SA - Soil Auger, HC - Drill Core,  
 RP - Percussion Chips  
 R - Rock  
 Please state element

A - ONAL  
A = Crinoid ch. Argillite

SAMPLE NUMBER	STATE	DEPTH (METRE/MICROSE)	CHEMICAL ANALYSES (ppm)										SUMMARY DESCRIPTION	LOCATION	
			Sn	Cu	Zn	Pb	Bi	Ag						E/W	LINE
600791	S	-20	10	100	<20		<1						0.6m: blue b shale - base of slope	805	ML19
600792	S	-20	<1	100	30		<1						1.2m-1.5m: red and br silty sh, dk blue green sh ± khaki wd. at 0.3m (BR sh?), brown chert fragments.	705	ML19
600793	S	-20	<1	30	<20		<1						1-1.6m: red br limon. clay (A?) overlain by dk grn blue bk slst + hornfels frags. - base of slope.	645	ML19
600794	S	-20	<1	100	30		<1						0.5m: ? slumped scree - A type clay ± limon "pebbles"	505	ML19
600795	S	-20	<1	100	30		<1						0.4m: white speckled (phenocrystic?) pale blue grey shale, ? brecciated. 0-0.4m green br. clay (A)	375	ML19
600796	S	-20	<1	100	<20								1.2m colluvial? slumped? A clay + rock fragments	235	ML19
600797	S	-20	<1	100	<20		<1						As for 600796? 1.3m depth. (15m N of line) - roots of tree	205	ML19
600798	S	-20	<1	100	<20		<1						1.2m A clay + rock frags. - slump colluvial?	65	ML19
600799	S	-20	<1	300	<20		<1						0-3m: pale brown Denah Qand S. clay - Nsh?	3435	ML20
600800	S	-20	<1	30	<20		<1						0.2m Ns, Nscree to 0.2m.	3355	ML20
600801	S	-20	<1	30	<20		<1						0.3m limonitic greenish silty clay (= Nsh?)	3155	ML20
600802	S	-20	3	300	1000		3						0.5m dark green grey silty sh, fine pyrite.	2965	ML20
600803	S	-20	1	100	<20		<1						0.4m lustrous (graphitic?) black silty sh.	2755	ML20
600804	S	-20	1	100	<20		<1						0.5m depth: dark blue grey sh.	2675	ML20
600805	S	-20	<1	300	<20		1						0.6m brown limon. silty clayey sh.	2455	ML20
600806	S	-20	<1	30	<20		<1						0.1m black shale	2365	ML20
600807	S	-20	1	100	300		<1						1.2m wd. sh - pale cream clay, darker bands.	2245	ML20
600808	S	-20	<1	100	<20		<1						0.2m: black sh slst (0-0.2m mud/scree)	2105	ML20
600809	S	-20	<1	100	<20		<1						0.3m: wd. dark brown clay (0-0.3m mud/scree on flat)	1975	ML20
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.	1855	ML20
600811	S	-20	<1	30	<20		<1						0-0.5m: mud flat scree - not penetrated.	1765	ML20
600812	S	-20	<1	100	<20		1						0.5m: soft cream to light grey pyritic clay (= sh) ± pale green (chloritic?) bands - check Cu.	1605	ML20

699026

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

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

DATE SAMPLED Jan 78  
 SAMPLER P.M.M.

LABORATORY REPORT NO. \_\_\_\_\_  
 ANALYTICAL METHOD \_\_\_\_\_

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

A \_\_\_\_\_  
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SAMPLE NUMBER	SAMPLE TYPE	ANALYSES	CHEMICAL ANALYSES (ppm)										SUMMARY DESCRIPTION	LOCATION	
			Sn	Cu	Zn	Pb	Bi							E/W	LINE
600813	SA	-20 -80	<1	30	<20		<1						0.2m depth dark brown limonitic-Mn stained clay (sh)	155S	ML20
600814	SA	-20 -80	10	30	<20		<1						0.2m bedrock - pale cream br. sh (sampled mainly screen on top)	146S	ML20
600815	SA	-20 -80	<1	10	<20		<1						0.3m white silt subcrop (check Ca) - base of slope	146S	ML20
600816	SA	-20 -80	<1	30	<20		<1						1.0m: med. grey and limon. br. clayey soil w/ harder limonite frags - slump colluvial or in situ? - A? or near A.	132S	ML20
600817	SA	-20 -80	<1	300	<20		<1						1.2m Rhaki - blue-yellow-brown-Rhaki clay (A?); 0-1.2m Rhaki clay w/ black sh, hornles frags.	126S	ML20
600818	SA	-20 -80	<1	100	300		<1						1.3m: Cream-green Rhaki clay (A sh?), 0-1.3m clay - mud flat.	108S	ML20
600819	SA	-20 -80	3	1000	300		<1						0.3m: dark blue br. sandy clay w/ cream bands - residual?	98S	ML20
600820	SA	-20 -80	<1	100	<20		<1						Rhaki grey or green Rhaki clay w/ rock frags (A?) - possibly colluvial slump.	89S	ML20
600821	SA	-20 -80	10	30	<20		<1						1.3m yellow orange clay, Rhaki clay, blue grey sh frags. - base of A slope to the east	80S	ML20
600822	SA	-20 -80	<1	30	<20		<1						0.7m: brown Rhaki clay w/ red sh, red br. and blue rock frags (A)	65S	ML20
600823	SA	-20 -80	<1	30	<20		<1						0.5m: Rhaki clay w/ variegated red, Rhaki, black rk frags.	44S	ML20
600824	SA	-20 -80	<1	30	<20		<1						1.1m Rhaki clay w/ rock frags - A colluvial slump?	15S	ML20
600825	SA	-20 -80	<1	300	<20		<1						0.2-0.5m: med grey shale (Nsh?) c-c-2 rubble	4835N	3800N
600826	SA	-20 -80	<1	100	<20		<1						0.3m: do for 600825	4818W	3800N
600827	SA	-20 -80	<1	100	<20		<1						0.2m: do for 600825	4797W	3800N
600828	SA	-20 -80	<1	30	<20		<1						0.2-0.6m: d. grey sh - Nsh - do for 600825; 0-0.2m rubble.	4782W	3800N
600829	SA	-20 -80	<1	100	<20		<1						0.2-1.5m: d. blue black shy slst, pyritic; 0-0.2 organics	4767W	3800N
600830	SA	-20 -80	1	100	<20		<1						0.5-1m: d. brown limon clay (sh?), w/ 600829?; 0-0.5 alluv silt	4752W	3800N
600831	SA	-20 -80	<1	30	<20		<1						0.2-0.5m pale cream brown silty clay (= sh), 0-0.2 organics	4735W	3800N
600832	SA	-20 -80	<1	30	<20		<1						0.2-0.5m wd. sb. limon pale y. and y. br. grey clay (= sh) 0-0.2m - SWump.	4721W	3800N
600833	SA	-20 -80	<1	30	<20		<1						0.2-1.5m: pale cream br. silty clay - As for 600831-532 slst.	4703W	3800N
600834	SA	-20 -80	<1	30	<20		<1						0.2-0.3m: med. to light brown sh, limonitic (check Ca); 0-0.2m horizontal scrub/alluvials.	4698W	3800N

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

AREA £253/70 Stanley River PROSPECT NUMBER 600  
 STATE TAS LOCATION STANLEY RIVER SHEET 79/4 Pie man

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

LABORATORY REPORT NO. \_\_\_\_\_  
 ANALYTICAL METHOD \_\_\_\_\_

NOTATIONS: SAMPLE TYPE — M - Creek mud, S - Soil  
 SA - Soil Auger, HC - Drill Core.  
 RP - Percussion Chisel  
 R - Rock  
 Please state element

ONAL h11-hccn-1/5 Crim

SAMPLE NUMBER	SAMPLE TYPE	DEPTH (m)	CHEMICAL ANALYSES (ppm)										SUMMARY DESCRIPTION	LOCATION	
			Sn	Cu	Zn	Pb	Bi							E/W	LINE
600835	SA	-2.0	<1	30	<20								0.7m light grey shaley slst.	4671W	3800N
		-8.0													
600836	SA	-2.0	<1	100	<20								0.3-1.3m grey clay - as for 600835, light grey sh.	4655W	3800N
		-8.0													
600837	SA	-2.0	<1	100	30								0-0.3m Alluvium + frags hA	4641W	3800N
		-8.0													
600838	SA	-2.0	<1	100	30								0.5-1.2m blue gr. and blue black sh., brecciated? 0-0.5 alluv.	4629W	3800N
		-8.0													
600839	SA	-2.0	<1	100	30								0-0.5m hA gravels - not to bedrock	4614W	3800N
		-8.0													
600840	SA	-2.0	<1	100	30								0.4-0.5m blue gr. sh (as for 600838); 0-0.2m slope wash hA scree.	4598W	3800N
		-8.0													
600841	SA	-2.0	3	30	30								0.5m cream br. and br. clays = A?, ± stone frags - scree?	4585W	3800N
		-8.0													
600842	M	-2.0	<1	100	30								gully draining A: hA rubble incl (rand. fine)	4545W	3810N
		-8.0													
600843	SA	-2.0	<1	30	30								0.4m yell. br. clay, rock frags. (A)	4623W	3908N
		-8.0													
600844	SA	-2.0	<1	100	30								0.2-1.2m y. br. clay ± small stone frags - alluvial? A	4650W	3910N
		-8.0													
600845	SA	-2.0	<1	100	30								0-1.0m as for 600844 (45m/153M to gully bank)		
		-8.0													
600846	SA	-2.0		100	30								as for 600844 in large tree roots.	4682W	3905N
		-8.0													
600847	SA	-2.0	<1	100	30								1.3m khaki-grey clay (Ash?); kh clay ± rock frags 0-1.3m	4690W	3900N
		-8.0													
600848	SA	-2.0	<1	100	30								0.4-1.3m pale green grey - blue grey - purple grey banded clay (= Sh?); 0-0.4m mud flat scree.	4697W	3900N
		-8.0													
600849	SA	-2.0	1	100	<20								0.2-0.3m dk. br. to choc. clay - hard sh base, 0-0.2 mud/alluv.	4710W	3900N
		-8.0													
600850	SA	-2.0	3	30	<20								0.2-0.3m wd. and light grey hard clay = sh.	4723W	3900N
		-8.0													
600851	SA	-2.0	10	30	<20								0.1-0.3m hard cherty fig. banded light grey quartzitic sh.	4735W	3900N
		-8.0													
600852	SA	-2.0	3	100	<20								0.2-0.4m dk green g/wacke slst, wd. to dk br. mangun. clay; 0-0.2 mud flat alluv.	4747W	3900N
		-8.0													
600853	SA	-2.0	1	100	<20								0.2-0.3m dk brown Mn clay sh (as for 600852); 0-0.2 mud flat	4760W	3900N
		-8.0													
600854	SA	-2.0	<1	100	<20								0.2-0.3m dk. br. Mn - strongly limonitic clay = sh; 0-0.2m all. mud flat.	4772W	3900N
		-8.0													
600855	SA	-2.0	1	100	<20								0.2-0.4m limon. light grey br. to pale gr. clay = sh; 0-0.2 alluv. mud flat.	4785W	3900N
		-8.0													
600856	SA	-2.0	<1	100	<20								0.2-0.4m wd. brown clay (= sh); 0-0.2m organics/alluv. mud.	4801W	3900N
		-8.0													

600809

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

AREA EL5370, Stanley River  
 STATE TAS LOCATION Stanley  
Reward

PROSPECT NUMBER 600  
 1:100,000 SHEET 7914 Pieman

DATE SAMPLED JAN 78  
 SAMPLER P.M.M.

LABORATORY REPORT NO. \_\_\_\_\_  
 ANALYTICAL METHOD \_\_\_\_\_

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

A \_\_\_\_\_

SAMPLE NUMBER	SAMPLE TYPE	DEPTH (m)	CHEMICAL ANALYSES (ppm)										SUMMARY DESCRIPTION	LOCATION	
			Sn	Cu	Zn	Pb	Bi							E/W	THE LINE
600857	SA	-20	1	100	100		<1						0.2-0.6m wd. light grey br. clay (= Sh), 0-0.2m organics/scree	4822W	3900N
600858	SA	-20	3	100	<20		<1						0.1-1.2m Ns. scree, N clay/sand	4823W	3900N
600859	SA	-20	<1	30	<20		<1						0.2-0.6m scree & grey clay (sh?) towards base, 0-0.2m mud flat.	4835W	3900N
600860	SA	-20	<1	30	<20		<1						0.5-0.7 dk. blue grey silty Sh or slt ("black Sh?"), 0-0.5m Ns scree	4855W	3900N
600861	SA	-20	<1	30	<20		<1						0.7m : Ns scree, pale gr br clayey slt.	4880W	3900N
600862	SA	-20	1	30	<20		<1						0.2-0.3m - light grey brown clay (= Sh); 0-0.2m Ns scree	4932W	4000N
600863	SA	-20	<1	10	<20		<1						0.2-0.5m blue black shale, 0-0.2m alluv./organics.	4911W	4000
600864	SA	-20	30	30	<20		<1						0.1-0.3m: d. grey clayey silt. (Ns)	4894W	4000N
600865	SA	-20	<1	30	<20		<1						0.1-0.4m: d. grey to black micaceous siltst. (Ns)	4893W	4000N
600866	SA	-20	<1	10	<20		<1						0.1-0.3m limon. yell. and grey clay (= Nsh?)	4865W	4000N
600867	SA	-20	<1	30	<20		<1						0.1-0.5m: grey clay, yell. brown limon. wd. (= Sh)	4853W	4000N
600868	SA	-20	<1	30	<20		<1						0.2-0.7m: <u>cf for 600867</u>	4837W	4000N
600869	SA	-20	1	30	<20		<1						0.2-0.3m: pale br. gr. clay (= Sh); black shiny xls - biotite?	4821W	4000N
600870	SA	-20	<1	100	<20		<1						0.3-1.0m: light gr. br and limon. dk. br. clay (= Sh)	4807W	4000N
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 hornfelsing.	4796W	4000N
600872	SA	-20	1	30	<20		<1						0.2-0.4m: grey clay (= Sh); 0-0.2m = organics/mud flat	4787W	4000N
600873	SA	-20	1	30	<20		<1						0.2-0.3m brown to limon. clay (= Sh?); 0-0.2 = alluv/mud flat.	4777W	4000N
600874	SA	-20	3	30	<20		<1						0.2-0.3 d. br. and limon. wd. Sh., 0-0.2m mud flat.	4765W	4000N
600875	SA	-20	300	100	<20		<1						0.6 Calc. - silicate pebbles, brown clay - Int appearance (none seen on ML18-20 3900N 3900E but check Ca %). 0-0.6m mud/scree.	4754W	4000N
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
600877	SA	-20	100	30	<20		<1						0-0.9m: mud, rock frags incl. black colite white chert - not bottomed.	4747W	4000N

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

AREA EL53/70 Stanley River  
 STATE TAS LOCATION Stanley  
Rewind

PROSPECT NUMBER 600  
 1:100,000 SHEET 7914 Pieman

DATE SAMPLED JAN 78  
 SAMPLER P.M.M.

LABORATORY REPORT NO. \_\_\_\_\_  
 ANALYTICAL METHOD \_\_\_\_\_

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

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SAMPLE NUMBER	SAMPLE TYPE	DEPTH (meters)	CHEMICAL ANALYSES (ppm)										SUMMARY DESCRIPTION	LOCATION		
			Sn	Cu	Zn	Pb	Bi							EW	N LINE	
600878	SA	-2.0	30	30	<20		<1							0.3-1.2m clay incl. green br. micaceous(?) clay. silt; 0-0.3m organic mud/scree.	4740W	4100N
600879		-2.0	30	100	<20		1							0.2-1.3m green grey mud/clay, rock frags - Alluv - mud flat.	4733W	4100N
600880		-2.0	30	30	100		<1							0.2-1.0m As for 600879 - Possible micac. silt (Ca-Si?) base.	4727W	4100N
600881		-2.0	100	30	300		<1							0-1.5m: Rhaki clay then gr. blk. & Rh. clay, trace fibrous Ca-Si	4719W	4100N
600882		-2.0	1	30	30		<1							1.2-1.4m red br. - yellow clay, stone frags, Ni (Ca-Si?), 0-1.2m dk gr. & Rh. clay & rounded stone frags.	4702W	3955N
600883		-2.0	<1	100	30		<1							0.5-1.3m deep red clay, rock frags - colluvial?, 0-0.5m Rh. clay in gully bed.	4675W	3955N
600884		-2.0	<1	30	30		<1							0-1.4m Rh. clay (A)	4653W	4100N
600885		-2.0	<1	30	30		<1							0-1.4m A - Rh. clay + rock frags - colluv. or insitu?	4731W	4100N
600886		-2.0	<1	30	30		<1							0-1.1m gr. Rh. clay; 1.1-1.5m yell. br. limon clay, fine rk. frags. (colluv. or insitu?)	4743W	4100N
600887		-2.0	1	30	30		<1							0-1.0m dk. gr. Rh. clay, rock frags. hard base.	4749W	4100N
600888		-2.0	100	30	<20		<1							0-0.7m mud flat - dk. gr. Rh. clay, sand. (green white Ca-Si silt forms a hard base?)	4757W	4100N
600889		-2.0	100	30	<20		<1							0-0.6m dk. gr. Rh. clay/sand + gr. Rh. clay. Alluv flat. hard base.	4763W	4100N
600890		-2.0	1	30	<20		<1							0-0.6m dk. gr. Rh. mud & white streaks near hard base. (Ca-Si silt?)	4770W	4100N
600891		-2.0	100	10	<20		<1							0-0.2m Alluv. brown sand/mud + gravel; Ca-Si micac silt - base?	4777W	4100N
600892		-2.0	10	10	<20		<1							0-0.4m alluv. mud, 0.4-1.0m mixed Alluv + fine white micac. silt (Ca-Si?)	4785W	4100N
600893		-2.0	1	10	<20		<1							0-0.8m Alluv flat, rock frags, hard base.	4792W	4100N
600894		-2.0	<1	10	<20		<1							0-0.7m alluvials - br. clay + rock frags.	4799W	4100N
600895		-2.0	1	10	<20		<1							0-0.2m organic/clay; 0.2-1.7m qtz rubble & Ns soil - not bottomed	4807W	4100N
600896		-2.0	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
600897		-2.0	1	30	100		<1							0-0.7m qtz + Ns colluvials (on flat); 0.7-0.9m f.g. white silt - brown clay (Ca-Si?)	4804W	4100N
600898		-2.0	10	10	<20		<1							0-0.2m horizontal/organic clay; 0.2-0.8m gr. br. soil + Ns frags - in situ?	4825W	4100N
600899		-2.0	<1	10	<20		<1							0-0.2m organic/hercz. scrub. 0.2-0.5m Ns + soil - in situ?	4831W	4100N

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

AREA STANLEY River  
 STATE TAS LOCATION Stanley  
Reward

PROSPECT NUMBER 600  
 SHEET 7914 Pie man

DATE SAMPLED JAN 78  
 SAMPLER P.M.H.

LABORATORY REPORT NO. \_\_\_\_\_  
 ANALYTICAL METHOD \_\_\_\_\_

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

SAMPLE NUMBER	DEPTH (m)	ANALYSES (ppm)	SUMMARY DESCRIPTION	LOCATION	
				EW	LINE
600900 SA	-20 -80	Sn <1 Cu 1.0 Zn <20 Pb <1 Bi <1 Ag	0-0.2m tree roots/horiz; 0.2m-0.6m Ns soil + dk. yell. br clay (=sh) base	4830W	4097N
600901 SA	-20 -80	Sn <1 Cu 1.0 Zn <20 Pb <1 Bi <1 Ag	0-0.2m org/horiz scrub; 0.2-0.4m Ns soil (light br. gr. silty) 12m/2m from 600900		
600902 SA	-20 -80	Sn <1 Cu 1.0 Zn <20 Pb <1 Bi <1 Ag	0-0.2m org/horiz; 0.2-0.5m light gr. br. Ns soil	4850W	4090N
600903 SA	-20 -80	Sn <1 Cu 1.0 Zn <20 Pb <1 Bi <1 Ag	0-0.1m org/horiz scrub; 0.1-1.0m pale limon. gr. silty sh (Nsh?)	4862W	4100N
600904 SA	-20 -80	Sn <1 Cu 1.0 Zn <20 Pb <1 Bi <1 Ag	0-0.2m org/horiz scrub; 0.2-0.4m limon br silty clay (Nsh?)	4877W	4100N
600905 SA	-20 -80	Sn <1 Cu 1.0 Zn <20 Pb <1 Bi <1 Ag	0-0.4m: qtz/Ns scree; 0.4-0.8m grey + cream clay mixed (Nsh?)	4899W	4100N
600906 SA	-20 -80	Sn <1 Cu 1.0 Zn <20 Pb <1 Bi <1 Ag	0.2m limon. cream sh.	4922W	4100N
600907 SA	-20 -80	Sn <1 Cu 3 Zn 1.00 Pb <1 Bi <1 Ag	0-0.3m Ns scree/horiz scrub; 0.3-0.5m cream br. clay (=sh)	4930W	4150N
600908 SA	-20 -80	Sn <1 Cu 1.0 Zn <20 Pb <1 Bi <1 Ag	0-0.2 organic mud/horiz scrub; 0.2-0.4m pale cream grey clay = sh.	4910W	4150N
600909 SA	-20 -50	Sn <1 Cu 1.0 Zn <20 Pb <1 Bi <1 Ag	0.1m: light cream br. clay (=sh)	4899W	4150N
600910 SA	-20 -80	Sn 30 Cu 1.0 Zn <20 Pb <1 Bi <1 Ag	as for 600909	4880W	4150N
600911 SA	-20 -50	Sn 1.0 Cu 1.0 Zn <20 Pb <1 Bi <1 Ag	0-0.4m: rock frags incl black oolite white chert (qtz); 0.4-0.7m dk. br. limon-Mn stained silty clay (=sh)	4855W	4150N
600912 SA	-20 -80	Sn 1.0 Cu 1.0 Zn <20 Pb <1 Bi <1 Ag	0-0.3m Ns scree - not to bedrock	4845W	4150N
600913 SA	-20 -50	Sn <1 Cu 1.0 Zn <20 Pb <1 Bi <1 Ag	as for 600912	4837W	4154N
600914 SA	-20 -80	Sn <1 Cu 30 Zn <20 Pb <1 Bi <1 Ag	0-1m organics/ qtz rubble; 1.0 - yellow silty clay as for 600911?	4831W	4143N
600915 SA	-20 -80	Sn <1 Cu 30 Zn 1.00 Pb <1 Bi <1 Ag	0-0.5m mud/gravels; 0.5-0.8m dk. br. limon. Mn stained micac. pyritic silty clay	4822W	4150N
600916 SA	-20 -80	Sn <1 Cu 30 Zn <20 Pb <1 Bi <1 Ag	0-0.2m mud, then hard base - pale cream br silty (check Ca)	4815W	4152N
600917 SA	-20 -50	Sn <1 Cu 1.0 Zn <20 Pb <1 Bi <1 Ag	0-0.3m org/horiz scrub; 0.3-0.4m hard base - as for 600916 (Ca-silty?)	4804W	4150N
600918 SA	-20 -80	Sn 1000 Cu 1.0 Zn <20 Pb <1 Bi <1 Ag	0-0.2m mud flat; 0.2-0.9m: white and khaki silty - as for 600916	4791W	4150N
600919 SA	-20 -80	Sn 30 Cu 30 Zn 30 Pb <1 Bi <1 Ag	0-0.3m: mud/Rhaki clay; 0.3-0.5m white + kh. silty clay (as for 600916)	4777W	4150N

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

AREA EL53/70, Stanley River  
 STATE TAS LOCATION Stanley Reward

PROSPECT NUMBER 600  
 SHEET 7914 Pieman

DATE SAMPLED JAN 78  
 SAMPLER P.M.M.

LABORATORY REPORT NO. \_\_\_\_\_  
 ANALYTICAL METHOD \_\_\_\_\_

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

A ANAL OC - black celite white ch.  
 No. OC - black celite white ch.

SAMPLE NUMBER	SAMPLE TYPE	ANALYSE DEPTH (cm)	CHEMICAL ANALYSES (ppm)							SUMMARY DESCRIPTION	LOCATION	
			Sn	Cu	Zn	Pb	Bi				EW	N/E LINE
600920	SA	-20	1.00	3.0	<20		<1			0-1.0 kh clay (colluvial?); 1.0m fibrous Ca-Si in blue grey clay	4769W	4150N
		-80										
600921	SA	-20	3.0	3.0	<20		1.0			0-0.4m khaki clay on flat (colluv slump?)	4759W	4150N
		-80										
600922	SA	-20	<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
		-80										
600923	SA	-20	3.0	3.0	<20		<1			0-1.8m kh clay over white soft (Ca-Si) slst - as for 600916	4740W	4150N
		-80										
600924	SA	-20	1	1.00	2.0		<1			As for 600923	4730W	4150N
		-80										
600925	SA	-20	<1	1.00	3.0		<1			0-0.2 kh clay, 0.2-2m blue grey clay, Ca-Si fragments in places - not to a hard base	4719W	4153N
		-80										
600926	SA	-20	<1	3.0	<20		<1			0-2m kh clay, blue in places; red clay at base (A); no Ca-Si seen, frags. black sh, slump?	4709W	4150N
		-80										
600927	SA	-20	<1	3.0	<20		<1			0-0.5m kh clay; 0.5m deep red + kh. clay ± fine rock frags (A)	4695W	4150N
		-80										
600928	SA	-20	<1	1.0	<20		<1			0-0.5m mottled red-yellow br. clay - A: colluvial or in situ?	4667W	4160N
		-80										
600929	SA	-20	<1	3	<20		<1			0-0.1 organics; 0.1-0.3m Ns soil - pale br. gr silt	4889W	4200N
		-80										
600930	SA	-20	1.0	3	<20		<1			0-0.2m org. horoz. scrub/Ns scree; 0.2-0.3 y/z, Ns frags + black celite (OC) white chert - near in situ?	4871W	4200N
		-80										
600931	SA	-20	<1	1.0	<20		<1			0-0.6m horoz. scrub/frags. black celite white chert (OC); 0.6-1.0m white clay sh (Nsh? - check Ca)	4855W	4200N
		-80										
600932	SA	-20	<1	3	<20		<1			0-0.6m horoz. scrub/mud flat; 0.6-1.0m band br and white slty clay (check Ca-Si slst?)	4849W	4210N
		-80										
600933	SA	-20	<1	3.0	<20		<1			0-1.0m mud flat/horoz; 1-1.2m wd. white and kh. br. slty clay (as for 600932 and elsewhere to S. of this Westing: check Ca-Si)	4830W	4200N
		-80										
600934	SA	-20	1	1.0	<20		<1			0-0.5m mud flat/horoz; 0.5-0.6m bedrock - white slst (as for 600932)	4823W	4200N
		-80										
600935	SA	-20	1	1.0	<20		<1			0-0.4m mud flat-ditto; 0.4m-0.5m white and br. soft slst as for 600932	4813W	4200N
		-80										
600936	SA	-20	3.00	3.0	<20		<1			0-0.3m mud flat; 0.3-0.4m bedrock - white slst as above.	4805W	4200N
		-80										
600937	SA	-20	1.00	1.0	<20		<1			0-0.2m mud flat; 0.2- hard base - as above (Ca-Si?) white slty clay.	4790W	4200N
		-80										
600938	SA	-20	1	3	<20		<1			0-0.3 mud then soft white slst. (as above - Ca-Si?)	4775W	4200N
		-80										
600939	SA	-20	<1	1.0	<20		<1			Sub outcrop chert - Ca-Si - rubble	4765W	4200N
		-80										
600940	SA	-20	3.0	1.0	<20		<1			Chert - Ca-Si rubble rise, limonitic; little soil.	4760W	4200N
		-80										
600941	SA	-20	1.0	1.0	<20		<1			0-0.3m limon. br. Ca-Si rock ± fibrous Ca-Si minerals	4754W	4200N
		-80										

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

AREA STANLEY River EL53/70 PROSPECT NUMBER 600  
 STATE TAS LOCATION STANLEY-1 SHEET 7914 Pieman  
REWARD

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

LABORATORY REPORT NO. \_\_\_\_\_  
 ANALYTICAL METHOD \_\_\_\_\_

NOTATIONS: SAMPLE TYPE — M - Cracknut, S - Soil  
 SA - Soil Alterr, RC - Drill Core,  
 RP - Percussion Chips  
 R - Rock  
 Please state element

ANAL A = Comps. of CK. Argillite  
Ns = quartzitic Oceanic slst

SAMPLE NUMBER	SAMPLE TYPE	DEPTH (m)	CHEMICAL ANALYSES (ppm)							SUMMARY DESCRIPTION	LOCATION	
			Sn	Cu	Zn	Pb	Bi	Ag	E/W		LINE	
600942	SA	-20	30	30	<20		3		0-0.2m mud flat; 0.2-hard base - Ca Si radiating xals.	4742W	4200N	
600943	SA	-20	100	100	30		<1		0-1.5m mud, gr. kh. & rk. frags; 1.5m hard base - white? Ca Si & d. green grey banded slst.	4733W	4200N	
600944	SA	-20	100	30	<20		<1		0-0.3m mud/rk frags/horag. scrub; 0.3-bedrock: dk green grey and cream fibrous Ca Si slst. (as for 600943)	4722W	4200N	
600945	SA	-20	<1	30	<20		<1		0-1.3m: kh. clay, rk frags; 1.3-1.5m grey black clay.	4713W	4200N	
600946	SA	-20	<1	100	<20		<1		0-1.5m kh clay (A), 1.5m kh clay & streaks of grey, orange - not butt lined.	4698W	4200N	
600947	SA	-20	<1	3	<20		<1		0-0.5m, yell. clay, limon. blebs; Ns quartzite (scree?) from 0.5m	4936W	4250N	
600948	SA	-20	1	10	<20		<1		0-0.5m: mud flat/horag. scrub: Ns quartzite (scree?) bedrock?	4915W	4250N	
600949	SA	-20	30	10	30		<1		0-0.5m qtz, Ns rubble; Ns and black pyr. Nsh bedrock.	4906W	4250N	
600950	SA	-20	<1	30	<20		<1		0-0.3: mud/gravel; 0.3-0.6m brown shaley slst?	4894W	4250N	
600951	SA	-20	<1	10	<20		<1		0.6m: mud/quartzitic Ns rubble over br. slst - bedrock?, traces mica.	4883W	4250N	
600952	SA	-20	10	10	30		<1		mud to 0.4m, then white soft silty sh.	4871W	4250N	
600953	SA	-20	<1	3	<20		<1		0.1m	4856W	4250N	
600954	SA	-20	10	30	<20		<1		0.5m bedrock(?)	4846W	4250N	
600955	SA	-20	3	10	300		<1			4831W	4250N	
600956	SA	-20	1000	10	<20		<1		1.0m of mud/quartzite, black sh frags, to pyritic veined slst	4827W	4250N	
600957	SA	-20	3000	30	<20		<1		0.4m med. gr. qtz + sand on white slst (Ca Si slst?)	4815W	4250N	
600958	SA	-20	10	30	<20		<1		0.6m: as for 600957.	4801W	4250N	
600959	SA	-20	10	30	<20		<1		1.0m of clay/sand on white, pyritic? slst?	4795W	4250N	
600960	SA	-20	10	30	<20		<1		1m: as for 600957	4780W	4250N	
600961	SA	-20	100	30	<20		<1		0.4m dark mud & white clay/silt blebs (Ca Si slst?)	4767W	4250N	

PAGMINEX PTY. 'TD. SAMPLE DATA SHEET

AREA EL53/70 Stanley River  
 STATE TAS LOCATION Stanley  
Reynolds

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

ADDITIONAL A - Crimson LK Argillite

SAMPLE NUMBER	STATE	DEPTH (m)	CHEMICAL ANALYSES (ppm)														SUMMARY DESCRIPTION	LOCATION		
			Sn	Cu	Zn	Pb	Bi												E/W	LINE
600962	SA	-20	1	10	<20		<1											0.5m of mud flat gravels, incl CaSi frags on white silt (as for 600957)	4758W	4250N
		-30																		
600963	SA	-20	30	30	<20		<1											0.5m Rk frags/mud on yell/white f.g. silt ± CaSi fibres.	4750W	4250N
		-30																		
600964	SA	-20	10	30	<20		<1											0.5m AS for 600963	4740W	4250N
		-30																		
600965	SA	-20	<1	10	<20		1											0.4m As for 600963 - bedrock not sampled.	4735W	4250N
		-30																		
600966	SA	-20	<1	30	<20		<1											100.5m, yellow clay ± horz. frags; 0.5-1m yellow gr. clay, ± white frags	4721W	4250N
		-30																? CaSi, blue frags; 1-1.4m yellow clay, gr. br. lenses (just above flut) - A?		
600967	SA	-20	<1	30	<20		<1											1.3m red limonitic (laterite?), hA frags, to a stony layer.	4711W	4250N
		-30																		
600968	SA	-20	<1	100	<20		1											1.4m yellow br. clay, hA frags - colluvial?	4686W	4245N
		-30																		
600969	SA	-20	<1	100	30		<1											1.5m, in gully: 0-1.1m kh. and bl. grey clay; 1.1-1.5m light and dk. bl.	4670W	4255N
		-30																layered clay - possibly residual.		
600970	SA	-20	<1	30	<20		<1											1.5m, in gully, kh. clay ± frags blue and green.	4653W	4255N
		-30																		
600971	SA	-20	<1	30	<20		<1											1.5m, in gully, kh. clay ± dk. bl. lenses, and small blebs of white	4640W	4257N
		-30																and green chips.		

699034

PACMINEX PTY. LTD. - SAMPLE DATA SHEET

HEA 8653/70 Stanley River  
 DATE 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 - Creckmud, S - Soil  
 SA - Soil Auger, RC - Drill Core.  
 RP - Percussion Chips  
 R - Rock  
 ANALYSES: Please state element

ADDITIONAL

SAMPLE NUMBER	DEPTH (m)	APPROXIMATE (LAYER, METER)	CHEMICAL ANALYSES (ppm)										SUMMARY DESCRIPTION	LOCATION	
			Sn	Cu	Zn	Pb	Bi							EW	LINE
600972 SA	-2.0	<1	30	<20	<1							0.4m, in base of overturned tree; yellow br. clay	4613W	4350N	
600973 SA	-2.0	<1	30	<20	<1							1.5m, in gully: yell. br. clay, hA fragments (colluvial?) on Rhaki clay (residual?)	4650W	4360N	
600974 SA	-2.0	<1	10	<20	<1							1.5m yell. br. clay + hA frags - colluvial?	4665W	4350N	
600975 SA	-2.0	<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/gravel & orange chert frags.	4680W	4350N	
600976 SA	-2.0	<1	10	<20	<1							To 0.1m y. br. clay; to 1.1m Rh. & blue clay; to 1.5 y. br. clay + hA frags - unbottomed.	4692W	4350N	
600977 SA	-2.0	<1	10	<20	<1							To 0.7 y. br. clay, Rh lenses; to 1.2m Rh./blue clay; 1.2-1.5m pale blue and green clay - residual?	4710W	4350N	
600978 SA	-2.0	<1	30	30	<1							0-1m: Rh./blue clay; 1-1.5m blue & br. clay.	4722W	4350N	
600979 SA	-2.0	1000	30	<20	<1							1.5m blue and yellow Rh. clay.	4728W	4350N	
600980 SA	-2.0	<1	30	<20	<1							0-1.5m Rh & blue clay, & CaSi fragments at 0.9m.	4740W	4350N	
600981 SA	-2.0	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/Rh clay & pale blue inclusions.	4751W	4350N	
600981 B		30	30	<20	<1										
600982 SA	-2.0	1	30	30	<1							0-1.5m soft clay, CaSi fragments; bottom dark gritty clay & CaSi fibres.	4760W	4350N	
600983 SA	-2.0	100	30	<20	<1							0-1m clay & brown "semi-fibrous" rock frags, gravels; white/grey f.g. bedrock (CaSi slst?).	4773W	4350N	
600984 SA	-2.0	100	10	<20	<1							0.6m - as for 600983.	4782W	4350N	
600985 SA	-2.0	<1	10	<20	<1							0.8m sandy clay & pyritic sh/slst; bedrock pyr. black sh.	4797W	4350N	
600986 SA	-2.0	<1	10	<20	<1							1.3m clay/br. white? CaSi "semi-fibrous"; bedrock brown/orange slst.	4806W	4350N	
600987 SA	-2.0	30	30	<20	<1							1.2m bedrock orange qtzite overlain by grey clay.	4810W	4350N	
600988 SA	-2.0	30	10	<20	<1							0.5m grey clay, qtzite frags over white/orange qtzite.	4829W	4350N	
600989 SA	-2.0	300	10	<20	<1							0.5m clay, 0.8-0.9m white sand; bedrock white qtzite.	4840W	4350N	
600990 SA	-2.0	100	10	<20	<1							0.9m clay then qtz sand + frags qtzite, sh; bedrock white qtzite.	4852W	4350N	
600991 SA	-2.0	10	3	<20	<1							0.8m clay, then qtzite gravel; bedrock white qtzite.	4864W	4350N	
600992 SA	-2.0	<1	3	<20	<1							0.3m sand, clay qtzite frags; white slst at 0.3m.	4876W	4350N	

600000

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

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

PROSPECT NUMBER 600  
 1:100,000 SHEET 7914 Pieman

DATE SAMPLED Feb 78  
 SAMPLER D. Crossing

LABORATORY REPORT NO. \_\_\_\_\_  
 ANALYTICAL METHOD \_\_\_\_\_

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

ADDITIONAL \_\_\_\_\_

SAMPLE NUMBER	DEPTH (m)	ANALYSE (ppm)	CHEMICAL ANALYSES (ppm)						SUMMARY DESCRIPTION	LOCATION	
			Sn	Cu	Zn	Pb	Bi			E/W	N/E LINE
600993	SA	-20 -50	100	10	<20		<1		0.7m sand/clay, qtzite/sh gravel on white qtzite.	4888W	4350N
600994	SA	-20 -80	30	10	<20		<1		clay to 0.3, then qtz gravel to 0.5m, then orange, white qtzite.	4901W	4350N
600995	SA	-20 -80	30	10	<20		<1		clay, sand to 0.5m, then qtz gravel to 0.7m, then white radiating Ca-Si - bedrock.	4912W	4350N
600996	SA	-20 -50	<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 infine white/orange matrix)	4925W	4350N
600997	SA	-20 -80	<1	3	<20		<1		sandy clay to 0.7m, then sl t, unbottomed at 1.6m in fine gr. white slst. (CaSi?)	4937W	4350N
600998	SA	-20 -90	<1	3	<20		<1		1.6m clay, qtzite frags to grey clay & frags of (?) black sh & red soil	4950W	4350N
600999	SA	-20 -80	10	10	<20		<1		0.6m qtz, qtzite and black oolite white chert scree	4962W	4350N

699036

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

605

AREA EL5470 Stanley River  
 STATE TAS LOCATION Stanley  
Reward

PROSPECT NUMBER 600  
 1:100,000 SHEET 79/4 Pieman

DATE SAMPLED Feb 75  
 SAMPLER D. Crossing

LABORATORY REPORT NO. \_\_\_\_\_  
 ANALYTICAL METHOD \_\_\_\_\_

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

ADDITIONAL \_\_\_\_\_

SAMPLE NUMBER	SAMPLE TYPE	DEPTH (m)	CHEMICAL ANALYSES (ppm)										SUMMARY DESCRIPTION	LOCATION		
			Sn	Cu	Zn	Pb	Bi							LINE	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 6001000.	4925W	4450N
		-80														
6001003	SA	-20	300	30	<20		<1							1.0m As for 6001000.	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.	4897W	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 yr. 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 6001011	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 cl. br mud/gravels to sugary (?) dolomite bedrock.	4775W	4450N
		-80														
6001016	SA	-20	100	100	30		<1							1.4m in grey sticky 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 6001019.	4707W	4450N
		-80														
6001021	SA	-20	10	100	30		<1							1.5m in sugary white fine sst(?) in orange clay & white mica thru'out.	4684W	4450N
		-80														

6000037

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

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AREA EL53/70 Stanley River  
 STATE TAS LOCATION Stanley Reward

PROSPECT NUMBER 600  
 SHEET 7914 Pieman

DATE SAMPLED Feb 178  
 SAMPLER DJ Crossing

LABORATORY REPORT NO. \_\_\_\_\_  
 ANALYTICAL METHOD \_\_\_\_\_

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

ADDITIONAL \_\_\_\_\_

SAMPLE NUMBER	DEPTH (m)	APPROXIMATE GRAIN SIZE (mm)	CHEMICAL ANALYSES (ppm)							SUMMARY DESCRIPTION	LOCATION	
			Sn	Cu	Zn	Pb	Bi				FIN	LINE
6001022 SA	-20	3	1.00	<20	<1				1.5m unbottomed in dense orange/yell. clay/gravel ± limon. pebbles	4665W	4450N	
6001023 SA	-20	<1	1.00	<20	<1				1m yellow clay, hornfels frags (hA?)	4639W	4450N	
6001024 SA	-20	<1	1.00	<20	<1				1.5m in khaki clay, unbottomed.	4616W	4450N	
6001025 SA	-20	<1	1.0	<20	<1				1.5m - as for 6001024	4627W	4550N	
6001026 SA	-20	<1	1.00	<20	<1				In gully, 1.5m to grey blue clay overlain by yellow clay ± hA frags.	4647W	4550N	
6001027 SA	-20	<1	1.00	30	<1				1.5m khaki clay.	4665W	4550N	
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	
6001029 SA	-20	<1	30	20	<1				1.5m brown clay, hA "pebbles."	4686W	4550N	
6001030 SA	-20	<1	1.0	<20	<1				1.5m As for 6001029.	4695W	4550N	
6001031 SA	-20	1	1.0	<20	<1				In gully. 1.5m blue grey khaki clay.	4698W	4546N	
6001032 SA	-20	<1	30	<20	1				1.5m Pebbly clay as for 6001029.	4717W	4550N	

600038

PACMINEX PTY. 'TD. — SAMPLE DATA SHEET

AITEA EL5370 Stanley River  
 STATE TAS LOCATION Stanley  
Rewind

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 - Creek mud, S - Soil  
 SA - Soil Auger, RC - Drill Core,  
 RP - Percussion Chips  
 R - Rock  
 Please state element  
 ADDITION: \_\_\_\_\_

SAMPLE NUMBER	DEPTH (m)	ANALYSE	CHEMICAL ANALYSES (ppm)							SUMMARY DESCRIPTION	LOCATION	
			Sn	Cu	Zn	Pb	Bi				R/W	LINE
6001033	SA	-20 -80	<1	30	<20		<1			0-1.1m kh. clay, 1.1-1.7m orange, black and brown streaked clay ± limon. (A)	4625W	4650N
6001034	SA	-20 -80	<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)	4635W	4650N
6001035	SA	-20 -80	<1	10	<20		<1			1.7m - As for 6001034.	4652W	4650N
6001036	SA	-20 -80	<1	10	30		<1			1.7m grey clay, brown patches (=sh) - A	4664W	4650N
6001037	SA	-20 -80	<1	30	30		<1			1.7m blue grey clay (=A sh?) overlain by green/grey/blue clay.	4681	4650N
6001039	SA	-20 -80	10	10	100		3			1.7m grey green clay ± black, brown patches, white specks overlain by orange br. clay.	4692W	4650N
6001039	SA	-20 -80	3	30	30		3			1.7m - light gr. clay ± grey sst (As).	4713W	4650N
6001040	SA	-20 -80	1	30	30		<1			1.7m grey clay, white sst at 1.0m.	4724W	4650N
6001041	SA	-20 -80	100	30	30		<1			0.7m white/orange Ca Si sst overlain by gravel	4734W	4650N
6001042	SA	-20 -80	10	30	30		1			1.5m Ca Si sst overlain by black mud, qtz frags.	4743W	4650N
6001043	SA	-20 -80	30	10	<20		<1			0.9m dolomite bedrock overlain by green grey mud, dolom boulders.	4753W	4650N
6001044	SA	-20 -80	100	10	<20		<1			1.0m dolomite bedrock overlain by black mud, qtz & Ca Si fragments.	4763W	4650N
6001045	SA	-20 -80	30	30	30		<1			1.6m unbottomed, cn granitic sand? (not bedrock?), overlain by mud, granite and qtzite gravels.	4774W	4650N
6001046	SA	-20 -80	100	30	30		<1			1.6m unbottomed, black mud + (?) dolomite frags, overlain by granite gravels.	4786W	4650N
6001047	SA	-20 -80	300	10	30		<1			0.9m - boulder base or bedrock? under black mud, granitic gravels.	4797W	4650N
6001048	SA	-20 -80	30	30	30		<1			1.1m ? bedrock white "arenite" (as for 6001045, 1047?), overlain by granitic gravels/mud.	4812W	4650N
6001049	SA	-20 -80	300	10	<20		<1			0.6m - bottomed in granitic gravels etc.	4824W	4650N
6001050	SA	-20 -80	100	10	30		<1			1.3m bedrock of white sst overlain by mud, gravels incl granitic.	4835W	4650N
6001051	SA	-20 -80	100	3	<20		<1			1.4 m in (?) boulders?, overlain by granitic sand, grvls etc - old slaving area?	4841W	4650N
6001052	SA	-20 -80	1000	10	<20		<1			1.6 to ? bedrock white ? sst, overlain by granite grvls and mud; slaved?	4850W	4663N
6001053	SA	-20 -80	1000	30	100		10			slaved? 1.7m in grey clay ± bands white sandy soil (sst?), pyrite in clay, granite grvls + mica above in grvls.	4862W	4670N

600030

PACMINEX PTY. LTD. SAMPLE DATA SHEET

038

AREA EL53/70 Stanley River  
 STATE TAS LOCATION STANLEY  
Reward

PROSPECT NUMBER 600  
 SHEET 7914 Pieman

DATE SAMPLED Feb '78  
 SAMPLER D. CROSSING

LABORATORY REPORT NO. \_\_\_\_\_  
 ANALYTICAL METHOD \_\_\_\_\_

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

ADDITIONAL \_\_\_\_\_

SAMPLE NUMBER	SAMPLE TYPE	DEPTH (meters)	CHEMICAL ANALYSES (ppm)										SUMMARY DESCRIPTION	LOCATION		
			Sn	Cu	Zn	Pb	Bi							E/W	N-S LINE	
6001054	SA	-20	1.0	1	<20		<1							1.4m granitic boulders overlain by granite quartzite grvls + clay	4990W	4650N
6001055	SA	-20	1.0	1	<20		<1							1.7m in c.g. granitic sand, overlain by grey silts and clay.	4982W	4650N
6001056	SA	-20	1.000	1	<20		<1							1.7m in granitic sand, gran. quartzite grvls overlain by black silt + grvls.	4968W	4650N
6001057	SA	-20	3.00	1.0	30		<1							1.7m As for 600 1056.	4957W	4650N
6001058	SA	-20	1.0	3	<20		<1							1.7m unbottomed, in white, silty clay (1m) overlain by grey clay	4943W	4650N
6001059	SA	-20	3	3	<20		<1							1.7m unbottomed in orange/grey clay (0.6m) overlain by grey clay	4931W	4650N
6001060	SA	-20	1.0	1	<20		<1							1.7m unbottomed in grey sandy clay overlain by orange and grey silty clay	4918W	4650N
6001061	SA	-20	1.000	1.0	<20		<1							1.7m unbottomed in coarse granitic sand under m.g. granitic sand in Stanley R. bank.	4906W	4650N
6001062	SA	-20	3.00	3	<20		<1							1.6m unbottomed in alluv. granitic grvls, shell overlain by ferrug. orange sh. clay under grey silty clay	4892W	4650N
6001063	SA	-20	1.0	1	<20		<1							1.7m unbottomed in grey/light brown silty clay under grey clay	4884W	4650N
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
6001065	SA	-20	3.00	1.0	<20		<1							1.7m unbottomed in black mud overlain by orange sand, granite, quartzite grvls - base sample.	4869W	4650N
6001065B														0.5-1.6m - gravels, sand. overlain by 0.5m boulder horizon		

699040

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

039

AREA EL53/70 Stanley River  
 STATE TAS LOCATION Stanley Reward

PROSPECT NUMBER 600  
 1:100,000 SHEET 7914 Beman

DATE SAMPLED Feb 78  
 SAMPLER D. Cross, ng

LABORATORY REPORT NO. \_\_\_\_\_  
 ANALYTICAL METHOD \_\_\_\_\_

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

ADDITIONAL \_\_\_\_\_

SAMPLE NUMBER	SAMPLE TYPE	DEPTH (m)	CHEMICAL ANALYSES (ppm)										SUMMARY DESCRIPTION	LOCATION		
			Sn	Cu	Zn	Pb	Bc								1/W	LINE
6001066	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
6001067	SA	-20	1000	10	30		<1							1.2m ? bedrock white slst & green xals (Ca-Si?), overlain by fine grvls (granitic) + mud.	5012W	4700N
6001068	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
6001069	SA	-20	1000	10	<20		<1							0.7m grvls - slst, qtzite, granite	4976W	4700N
6001070	SA	-20	300	10	<20		<1							1.7m unbottomed in black mud, narrow clay band.	4964W	4700N
6001071	SA	-20	10	10	<20		<1							1.7m unbottomed in med/f. angular qtz, qtzite under 1.5m sandy clay	4951W	4700N
6001072	SA	-20	3	1	<20		<1							1.7m unbottomed in mud & frags br/grey slst - near bedrock?	4941W	4700N
6001073	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
6001074	SA	-20	10	10	<20		<1							1.7m unbottomed in grey clay (0.5m) under mud.	4916W	4700N
6001075	SA	-20	3	3	<20		<1							1.7m unbottomed in light grey fine sand (0.4m) under grey silty clay	4903W	4700N
6001076	SA	-20	3	3	<20		<1							1.7m unbottomed in light orange/grey clay under 0.9m grey clay, mud.	4895W	4700N
6001077	SA	-20	3000	1	<20		<1							2.7m (in pit) unbottomed in fine grey sand (1m), under clay/mud.	4885W	4700N
6001078	SA	-20	300	10	<20		<1							2.6m (bank of Stanley R) below ground: coarse qtz, granite sand in grey silt.	4878W	4700N
6001079	SA	-20	100	3	30		<1							2.5m pit gravel incl qtz, slst, CaSi & FeSi, granite.	4895W	4970N
6001080	R													As for 6001079 SA - CaSi frags?		
6001080	SA		300	3	30		<1							2.5m - As for 6001079.	4895W	4970N
6001081	SA	-20	10000	3	30		1							1.7m unbottomed in grey qtz sand (0.5m) overlain by granite grvls, sand (in pit).	4860N	4700N
6001082	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.	4848W	4698N
6001083	SA	-20	3000	3	<20		<1							0.6m unbottomed in granite, qtzite grvls - matrix brown/orange sand sampled (in 0.5m pit).	4840W	4700N
6001084	SA	-20	10000	10	30		30							0.5m unbottomed - as for 6001083.	4831W	4700N
6001085	SA	-20	3000	10	30		3							0.6m unbottomed - as for 6001083 - slurred area?	4820W	4700N
6001086	SA	-20	300	10	<20		1							1.2 unbottomed - As for 6001083 (0-0.6 granite blders, 0.6-1.1 orange br qtz sand, mica; 1.1-1.2m alluv. granite grvls).	4805W	4700N

699041

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

000

AREA EL53/70 Stanley River  
 STATE TAS LOCATION Stanley Reward

PROSPECT NUMBER 600  
 1:100,000 SHEET 7914 Pieman

DATE SAMPLED Feb 78  
 SAMPLER D. Crossing

LABORATORY REPORT NO. \_\_\_\_\_  
 ANALYTICAL METHOD \_\_\_\_\_

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

ADDITIONAL \_\_\_\_\_

SAMPLE NUMBER	DEPTH (m)	DEPTH (ft)	CHEMICAL ANALYSES (ppm)										SUMMARY DESCRIPTION	LOCATION	
			Sn	Cu	Zn	Pb	Bi							AW	LINE
6001087 SA	-20	-30	1000	10	<20								1.7m unbottomed in fine grey sand (0.5m) under granitic grvl (0.2m) overlain by grey clay, sand, mud.	4747W	4700N
6001087 B	-20		1000	30	30								0-0.4 mud, 0.4-0.8 Gg. fltz sand, 0.8-1.0 grey clay, 1.0-1.2 granitic grvls.		
6001088 SA	-20	-50	300	30	<20								1.7m unbottomed in fine grey sand (0.5m)	4788W	4700N
6001088 B	-20	-80	1000	30	<20								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		
6001089 SA	-20	-80	1000	10	<20								1.5m unbottomed in brown sand & gran grvls + slt. 0-0.6m mud 0.6-1m grvl in gr clay, 1-1.2 clay, 1.2-1.5m br. sd. & granite, pyr. sh grvls. Hole on edge of sluiced Pond.	4782W	4694N
6001090 SA	-20	-30	3	3	<20								1.6m unbottomed in grey clay 0-1.6m adjacent to Pond.	4768W	4712N
6001091 SA	-20	-50	100	3	<20								1.7m unbottomed in dk br. clay & black blebs, minor granite grvls; 0-0.3m mud, 0.3-0.9 grey clay, 0.9-1.7 br. clay, minor gran grvls.	4758W	4708N
6001092 SA	-20	0	<1	3	100								1.7m unbottomed in dk gr. clay & orange/brown limon. blebs & frags Ca-Si & pyr., minor granite grvls, overlain by mud.	4747W	4702N
6001093 SA	-20	-30	<1	30	<20								0.9m bedrock dolomite, grey overlain by orange sand, mud on top.	4739W	4696N
6001094 SA	-20	-30	10	100	<20								1.7m unbottomed in variegated clay - br, kh, gr/grn, purple & frags dolomite, mica layers overlain by granite grvls, then mud.	4730W	4700N

699042

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

00 001

AREA EL53/70 Stanley River  
 STATE TAS LOCATION Stanley Reward

PROSPECT NUMBER 600  
 1:100,000 SHEET 1914 Pieman

DATE SAMPLED Feb 78  
 SAMPLER DCrossing

LABORATORY REPORT NO. \_\_\_\_\_  
 ANALYTICAL METHOD \_\_\_\_\_

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

ADDITIONAL \_\_\_\_\_

SAMPLE NUMBER	SAMPLE TYPE	DEPTH (m)	CHEMICAL ANALYSES (ppm)										SUMMARY DESCRIPTION	LOCATION		
			Sn	Cu	Zn	Pb	Bi								1m	TRANS LINE
6001095	SA	-20	3	3	<20		<1							0-0.6m sandy mud, 0.6-1.7m fine gr. sand, granite grvls - unbottomed	4724W	4750N
6001096	SA	-20	100	3	<20		<1							0-0.8m mud, 0.8-1.6m granitic sand (sampled); unbottomed - granite boulder base (nr Stanley R.)	4736W	4750N
6001097	SA	-20	3000	10	<20		<1							0-0.6m mud, 0.6-1.2m grey clay & granite grvls - unbottomed on boulders (nr Stanley R.)	4750W	4750N
6001098	SA	-20	10	1	<20		<1							0-1.7m c.g. granite sand, unbottomed (nr Stanley R.)	4780W	4750N
6001099	SA	-20	1000	1	<20		<1							0.7m silt on granite boulders - unbottomed.	4787W	4750N
6001100	SA	-20	300	1	<20		<1							1.7m unbottomed in mg. white qtz sand (1m) overlain by mud. Nr 2nd Stanley R. branch	4820W	4750N
6001101	SA	-20	10	3	<20		<1							1.7m unbottomed in grey sandy silt (0.6m), overlain by brown silt - adjacent to Stanley R.	4841W	4750N
6001102	SA	-20	10	1	<20		<1							1.7m unbottomed in grey silty slt. (1m), overlain by 0.2m white sand then granite bldrs + grvls.	4851W	4747N
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
6001104A	SA	-20	30	3	<20		<1							1.7m unbottomed in dk. grey clay	4874W	4745N
6001104B	SA	-20	1000	30	30		<1							0-1m fragments granite, qtzite & limonite patches, 1-1.1m dk. grey clay: sample 0-1m. Hole in sluiced channel!	4882W	4750N
6001105A	SA	-20	1	1	<20		<1							1.7m unbottomed in dk. grey clay (0.6m)	4882W	4750N
6001105B	SA	-20	100	10	<20		<1							0-1.1m gravel, coarse sand, granite + qtzite pebbles (6001105B); 1.1m-1.7m dk. grey clay. Hole nr. sluiced mound of boulders.	4893W	4750N
6001106A	SA	-20	1	1	<20		<1							1.7m unbottomed in black muddy clay (1.2m)	4893W	4750N
6001106B	SA	-20	30	10	<20		<1							0-0.3m grey coarse sand, 0.3-0.5 orange limonitic sand (6001106B); 0.5-1.7m black muddy clay	4907W	4750N
6001107	SA	-20	<1	1	<20		<1							1.7m unbottomed in grey/dk. grey silty clay (1.4m) under 0.5m orange c.g. sand.	4919W	4750N
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
6001108B	SA	-20	300	10	30		<1							0-0.3m c.g. orange sand, granitic (6001108B); 0.3-1.7m gr./dk. grey silty clay.	4928W	4750N
6001109	SA	-20	1	1	<20		<1							1.7m unbottomed on black silty mud (1.4m) overlain by 0.3m sand (as for 6001108)	4943W	4750N
6001110	SA	-20	1000	3	<20		<1							1.0m bedrock? light grey slst (dolomitic?), overlain by 0.4m granitic gravel, overlain by light grey med. gr. sand.	4943W	4750N
6001111	SA	-20	1000	3	<20		<1							0.7m unbottomed in granite blders + qtz grvls, under mud.	4957W	4750N
6001112	SA	-20	30	1	<20		<1							0.7m? bedrock/light grey slst horizon under granite, slst grvls (as for 6001105 slst)	4968W	4750N

6000430

PACMINEX PTY. LTD. - SAMPLE DATA SHEET

AREA Stanley River EL53/70 PROSPECT NUMBER 600  
 STATE TAS LOCATION STANLEY SHEET 1914 Pleman  
Reward

DATE SAMPLED Feb 78  
 SAMPLER D. Crossin

LABORATORY REPORT NO. \_\_\_\_\_  
 ANALYTICAL METHOD \_\_\_\_\_

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

ADDITIONAL \_\_\_\_\_  
 \_\_\_\_\_

SAMPLE NUMBER	SAMPLE TYPE	DEPTH (m)	CHEMICAL ANALYSES (ppm)								SUMMARY DESCRIPTION	LOCATION	
			Sn	Cu	Zn	Pb	Bi	Ag	W	1/m		LINE	
6001113	SA	-20 -80	3.00	3	<20		<1				1.5m bedrock? light gr/br slst (as for 6001110) under 0.4m granite slst grvls, under mud.	4981W	4750N
6001114	SA	-20 -80	1.00	10	<20		<1				0.7m granite + slst gravel, unbottomed	4993W	4750N
6001115	SA	-20 -80	1.0	1.00	30		<1				1m blast pit - bottomed on white dolomite, dsm pyrite, speck dark mineral, purple stained frs. ± pyrite. Sample from clay immediately above bedrock.	4929W	4550N
	R		3	30		<1	<1	<1					
6001116	SA	-20 -80	1	3	<20		<1	<1			1m. As for 6001115 - f.g. micritic dolomite.	4837W	4550N
	R		<1	30		3	<1	<1					
6001117	SA	-20 -80	3.00	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.	4948W	4650N
6001118	SA	-20 -80	1.000	10	<20		<1				1m blast pit - bedrock med. grey dolomite ± dk minerals along microfractures overlain by granitic gravels + mud.	5010W	4700N
			<1	3		<1	<1	<1					
6001119	SA	-20 -80	1.000	3	<20		<1				2.3m: Pit blasted 1m, augered to 2.3m to granite boulders - unbottomed.	4941W	4700N

699044

FACMINEX PTY. LTD. — SAMPLE DATA SHEET

048

AREA EL53/70 Stanley River  
 STATE TAS LOCATION Stanley  
Reynold

PROSPECT NUMBER 600  
 1:100,000 SHEET 7914 Pieman

DATE SAMPLED Feb 78  
 SAMPLER D. Crossin

LABORATORY REPORT NO. \_\_\_\_\_  
 ANALYTICAL METHOD \_\_\_\_\_

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

ADDITIONAL \_\_\_\_\_

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

699040

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

044

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

DATE SAMPLED Feb 78  
 SAMPLER D. Crossin

LABORATORY REPORT NO. \_\_\_\_\_  
 ANALYTICAL METHOD \_\_\_\_\_

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

ADDITIONAL \_\_\_\_\_

SAMPLE NUMBER	DEPTH (m)	ANALYSE	CHEMICAL ANALYSES (ppm)										SUMMARY DESCRIPTION	LOCATION			
			Sn	Cu	Zn	Pb	Bi								W	N	
6001140	SA	-20	300	3	30		<1								0.7m unbottomed in dolomite, granite boulders in swamp	4875W	4900N
6001141	SA	-20	300	10	100		1								1.5m unbottomed in dolomite, granite gravels (0.6m) under mud	4865W	4900N
6001142	SA	-20	300	10	<20		<1								1.6m bedrock white slst. under c.g. gtz + carbonate sand, minor granite, slst. grvls (0.6m) under mud.	4853W	4900N
6001143	SA	-20	300	30	<20		3								0.7m unbottomed in boulders, granite grvls, sand under mud.	4841W	4900N
6001144	SA	-20	300	3	<20		1								0.5m granite, slst. boulders, grvls - Near sluiced Pond.	4839W	4855N
6001145	SA	-20	3000	10	100		<1								0.6m+ boulders on a sluiced mound - mainly granite + limonitic sand.	4813W	4900N
6001146		-20	1000	3	<20		<1								1.7m unbottomed in c.g. sand granite pebbles (0.9m) under 0.6m white sand under "lateritic" sand + silt.	4798W	4847N

699046

PACMINEX PTY. LTD. - SAMPLE DATA SHEET

655

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

DATE SAMPLED MAR 78  
 SAMPLER P. Macnamara

LABORATORY REPORT NO. ANALYTICAL METHOD

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

ADDITIONAL: A = Crimson CR Argillite

SAMPLE NUMBER	TYPE	DEPTH (m)	CHEMICAL ANALYSES (ppm)										SUMMARY DESCRIPTION	LOCATION		
			Sn	Cu	Zn	Pb	Bi							RAW LINE	N/A	
6001150	SA	-20	<1	30	<20		<1							0-1.2m kh and yell kh. Crimson CR Argillite clay (A) - residual or colluvial?	4700W	4097N
6001151	SA	-20	1	30	<20		1						As for 6001150	4700W	4112N	
6001152	SA	-20	<1	10	<20		<1						As for 6001150	4704W	4125N	
6001153	SA	-20	<1	10	<20		<1						0-0.7m kh clay (A), deep red at bottom. 0.7-0.9m yellow wcl. e.g. or grey wacke rock (or volcanic?)	4700W	4137N	
6001154	SA	-20	<1	30	<20		<1						0-0.5m kh clay (A). 0.5-0.7m deep red clay - yellow wcl. rock chips at base of slope - (wcl. glwacke slst?)	4700W	4150N	
6001155	SA	-20	<1	10	<20		<1						0-1.2m kh clay: at 1.2m red clay + ? glwacke slst? frags - colluvial?	4700W	4162N	
6001156	SA	-20	<1	10	<20		<1						0-1.2m kh clay + blue grey slst frags + patches red clay - residual or colluvial?	4700W	4175N	
6001157	SA	-20	<1	10	<20		<1						0-0.4m kh clay ± limonite frags, blue grey clay frags (sh?)	4700W	4201N	
6001158	SA	-20	<1	100	<20		<1						0-1.1m kh clay - hard limonite near top.	4700W	4212N	
6001159	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	
6001160	SA	-20	<1	30	<20		<1						0-1.0m As for 6001159 - some red "lateritic" patches.	4700W	4237N	
6001161	SA	-20	<1	10	<20		<1						0-1.0m kh clay, hard limon. patches - sh and glwacke frags - hard limonite(?) base.	4700W	4251N	
6001162	SA	-20	<1	30	<20		<1						1.0 blue grey banded (glwacke?) slst.	4700W	4262N	
6001163	M	-20	<1	3	<20		<1						gully - wide drainage.	4695W	4260N	
6001164	SA	-20	<1	3	<20		<1						0-1.3m kh soil, limonite + rock frags - colluvial?	4700W	4276N	
6001165	SA	-20	<1	30	<20		<1						1.5m - as for 6001164	4700W	4287N	
6001166	SA	-20	<1	10	<20		<1						1.4m kh clay; limonite, qtz, Ark frags.	4700W	4300N	
6001167	SA	-20	<1	10	<20		<1						0-1.7m kh clay, Ark frags.	4700W	4312N	
6001168	SA	-20	<1	30	30		<1						0-1.7m As for 6001167.	4700W	4325N	
6001169	SA	-20	<1	3	<20		<1						0-1.5m kh clay (A), shale? (in situ Ash?)	4700W	4337N	
6001170	M	-20	<1	10	<20		<1						gully	4700W	4341N	
6001171	SA	-20	<1	30	100		<1						0-1.5 in a depression: dk. green blue black shaley rock - buff. sh? Adjacent to dk br. chert scree. (Ca-Si? or Marker unit?)	4700W	4350N	

600047

PACMINEX PTY. LTD. - SAMPLE DATA SHEET

000

AIRFA EL5370 Stanley River  
STATE T.A.S. LOCATION Stanley  
Reward

PROSPECT NUMBER 600  
1:100,000 SHEET 7914 Pieman

DATE SAMPLED Mar. 75  
SAMPLER P. MACNAMARA

LABORATORY REPORT NO.  
ANALYTICAL METHOD

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

ADDITIONAL

SAMPLE NUMBER	SAMPLE TYPE	DEPTH (m)	CHEMICAL ANALYSES (ppm)										SUMMARY DESCRIPTION	LOCATION		
			Sn	Cu	Zn	Pb	Bi								FROM LINE	N4
6001172	SA	-20	<1	30	30		<1							0-1.5m dk br. yellow A clay on flat area.	4700W	4362N
6001173	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 quartzitic silt or dolomite, qtz, qtzite frags.	4700W	4375N
6001174	SA	-20	30	30	<20		<1							0-1.3m As for 600 1173 & red br. clay at bottom (check acid tuff?)	4700W	4387N
6001175	SA	-20	<1	3	<20		<1							0-1.3 kh. clay (A), 1.3-1.5m pale cream clay, qtz.	4700W	4412N
6001176	SA	-20	<1	30	<20		<1							0-1.6m kh. clay + greenish kh. glwacke silt frags.	4700W	4425N
6001177	SA	-20	<1	10	<20		<1							0-1.5m kh. grn. clay, qtz + glwacke silt frags. finished in kh-red-d. grey grn. clay	4700W	4437N
6001178	SA	-20	<1	3	<20		<1							0-1.2m yell. br. kh. clay - hard bottom.	4700W	4450N
6001179	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
6001180	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 silt?) - residual?	4700W	4475N
6001181	SA	-20	<1	10	<20		<1							0-1.2m kh., slightly red br. clay.	4700W	4487N
6001182	SA	-20	<1	10	<20		<1							0-1.5m banded cream and yell. br. clay at 1.5m. (= sh?)	4700W	4500N
6001183	SA	-20	<1	10	<20		<1							0-1.4m kh. clay, frags dk grey green glwacke silt	4700W	4525N
6001184	SA	-20	<1	1	<20		<1							0-1.5m kh. clay: at 1.5m frags. of red shale, blue blk. (MnO2?) patches, grey shale.	4700W	4537N
6001185	SA	-20	<1	3	<20		<1							0-1.5m kh. clay & tuff. or glwacke silt frags.	4700W	4548N
6001186	M	-20	30	10	<20		<1							Gully sample drains W.	4700W	4550N
6001187	SN	-20	<1	3	<20		<1							1.5m grn. kh. clay - bank of gully.	4700W	4562N
6001188	SA	-20	<1	10	<20		<1							0-1.0m rk. frags (black sh? - h. Ash) + kh. clay: residual or colluvial	4700W	4575N
6001189	SA	-20	<1	3	<20		<1							1.5m kh. clay - in gully.	4700W	4574N
6001190	M	-20	10	3	<20		<1							Gully drains N.W.	4700W	4587N
6001191	SA	-20	<1	30	30		<1							0-1.5m blue grey silt + rock frags.	4700W	4600N
6001192	SA	-20	<1	30	<20		<1							0-1.5m kh. clay over blue grey silt (or in situ wd. A?)	4700W	

699048

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

AREA EL53/70 Stanley River  
 STATE TAS LOCATION Stanley  
Residual

PROSPECT NUMBER 600  
 1:100,000 SHEET 7914 Piemao

DATE SAMPLED March 78  
 SAMPLER P. Macnamara

LABORATORY REPORT NO. \_\_\_\_\_  
 ANALYTICAL METHOD \_\_\_\_\_

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

ADDITIONAL hA = hornfels Crimson CR  
Argillite

SAMPLE NUMBER	SAMPLE TYPE	DEPTH (m)	CHEMICAL ANALYSES (ppm)										SUMMARY DESCRIPTION	LOCATION		
			Sn	Cu	Zn	Pb	Bi							LINE	Nº	
6001193	SA	-20	<1	30	30		<1							On flat: 0-2m dk greenish kh silt, rk frags.	4700W	4612N
6001194	SA	-20	3.0	30	<20		<1							0-1m clay - bottom hard clay shale (? blue grey sh?)	4696W	4625N
6001195	SA	-20	30	10	<20		<1							0-1.5m grey br mud ± granite sand, gravel at top, bottomed in mud/clay (= sh/silt?)	4700W	4637N
6001196		-20	1	30	300		<1							0-1m granite gravls/soil; 1-1.5m blue grey and white micaceous slst some dark br clay ± radiating xls. (Ca-Si or hornfels chlorite) hA sh, blue grey and white banded.	4700W	4650N
6001197	SA	-20	1	10	100		<1							0-1m rk frags incl. white (?) slst; 1-1.5m As for 6001196 - micaceous dk blue black-greenish white banded clay = hA (possibly dolomitic) - ≈ collar rks SRD 8?	4700W	4662N
6001198	SA	-20	1	30	100		<1							0-0.6m colloidal granite soil, boulders; 0.6-1.0m dk blue green micaceous clay (= wd. slst?) = 6001197	4700W	4675N
6001199	SA	-20	1	10	100		<1							0-0.8m kh clay; 0.8-1.5m dk grn. clay ± white clay patches (dolomitic? fetspar?)	4700W	4687N
6001200	SA	-20	10	30	100		<1							1.2m As for 6001199 - dolomitic? green clay = oolites	4700W	4700N
6001201	SA	-20	<1	30	100		<1							1.5m dk grn. and black clay ± pale white bands (as above), "breccia" appearance	4700W	4712N
6001202	SA	-20	3	100	30		<1							0-0.5m mud, 0.5-1.5m dk grn. micaceous clay ± pale patches - mica hornfels. (as above)	4700W	4725N
6001203	SA	-20	40	30	<20		<1							limonitic dk. grey green clay (= hsh, as above)	4700W	4737N
6001204	SA	-20	<1	100	<20		<1							med. br. limon. clay	4700W	4754N
6001205	SA	-20	<1	100	30		<1							1.5m dark blue grey silty clay. - residual??	4677W	4550N
6001206	SA	-20	30	30	<20		<1							1.5m dk greenish kh. clay	4686W	4550N
6001207	SA	-20	<1	100	<20		<1							1.5m dk grn. kh. silty clay ± blue black patches + rk frags - residual.	4698W	4549N
6001208	SA	-20	100	30	<20		<1							1.5m kh clay ± rk frags, orange-white clay at 1.5m (= a distinctive band? - see line 4550N augering).	4655W	4545N
6001209	SA	-20	10	30	<20		<1							1.5m finely banded cream-y. br. orange clayey (?) sh (cutuff?)	4648W	4540N

699049

PACMINEX PTY. LTD. - SAMPLE DATA SHEET

620

AREA EL53/70 Stanley River  
STATE TAS LOCATION Stanley Reward

PROSPECT NUMBER 600  
1:100,000 SHEET 7914 Pieman

DATE SAMPLED April 78  
SAMPLER P. MACNAMARA

LABORATORY REPORT NO. ANALYTICAL METHOD

NOTATIONS: SAMPLE TYPE - M - Greasemud, S - Soil  
SA - Soil Auger, RC - Drill Core,  
PP - Percussion Chips  
R - Rock  
Please state element

ADDITION: \_\_\_\_\_

SAMPLE NUMBER	SAMPLE TYPE	DEPTH (meters)	CHEMICAL ANALYSES (ppm)								SUMMARY DESCRIPTION	LOCATION	
			Sn	Cu	Zn	Pb	Bi	Ag	W	IN		LINE	
6001210	M	-20	1	1.0	<20	<1					gully - Mn stnd. hA gvlts.	4473W	3800N(4) 38X
6001211	SA	-20	<1	1	<20	<1					orange yell. br. limon. banded clay (= h/sh?)	4475W	38X
6001212	SA	-20	<1	1.0	<20	<1					0.6m banded white and cream clay	4487W	38X
6001213	SA	-20	<1	1.0	<20	<1					0-0.7m grey br. clayey soil; 0.7m+ grey sh.	4500W	38X
6001214	SA	-20	<1	1.0	<20	<1					o/crop med. grey silty sh (glwacke sh?) 150°/70°NEdip.	4512W	38X
6001215	SA	-20	1	1.0	<20	<1					over red chert sub o/crop - (Marker sequence? and/or hornfelsed sh?)	4500W	38X
6001216	SA	-20	<1	1.0	<20	<1					Screen of dolomite. 1.5m med br. red tinge A clay, shand slst fragment, trace mica (hornfelsing?).	4600W	4250N
6001217	SA	-20	<1	1.0	<20	<1					0-1.5m kh. clay/rk. frags.	4610W	4250N
6001218	SA	-20	<1	30	<20	<1					0-0.9m kh. clay (roots of large tree).	4622W	4245N
6001219	SA	-20	<1	30	<20	<1					0-1.5m kh. clay + rk. frags.	4631W	4255N
6001220	SA	-20	<1	30	<20	<1					base of bank: 0-1.2m kh. clay + rk. frags = colluvial?; 1.2-1.5m dk. blue black silty sh ± white clay patches.	4637W	4265N
6001221	R		3	30	<1	<1	<1				white to cream "micritic" dolomite ± pyrite + hairline dark fractures	4537W	4400N
6001222	R		<1	1	<1	<1	<1				As for 6001221R - dissem. pyrite.	4780W	4400N
6001223	R		1	100	<20	3	<1				dk. black brown cherty rk - hornfels or "Red Rock Member"?	4525W	3800N

699050

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

049

AREA EL 5370 Stanley River PROSPECT NUMBER 600  
 STATE TAS LOCATION Stanley River SHEET 7914 Pieman

DATE SAMPLED April 78  
 SAMPLER P MACNAMARA

LABORATORY REPORT NO.  
 ANALYTICAL METHOD

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

ADDITIONAL INFORMATION

SAMPLE NUMBER	SAMPLING METHOD	DEPTH (cm)	CHEMICAL ANALYSES (ppm)							SUMMARY DESCRIPTION	LOCATION	
			Sn	Cu	Zn	Pb	Bi	Ag	W		EW	N/LINE
6001230	SA	-20	<1	1.0	<20		<1			1.0 mt alluvial flat.	5185W	5000N
6001231	SA	-20	<1	1.0	<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	1.0	<20		<1			As for 6001230	5112W	5000N
6001234	SA	-20	<1	3	<20		<1			As for 600 1230	5087W	5000N
6001235	SA	-20	1	1.0	<20		<1			As for 600 1230	5062W	5000N
6001236	SA	-20	<1	1.0	<20		<1			As for 600 1230	5037W	5000N
6001237	SA	-20	300	1.0	<20		<1			0-1.3 N/S ; 1.3-1.6m : gravels on button grass flat under organic mud/gravels. (in pit)	4935W	4985N
6001238	SA	-20	1000	1.0	<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 gravls. Black silt + dolomite frags, limonitic. No gravel or cobbles.	4780W	4800N
6001240	SA	-20	300	1.0	30		<1			As for 600 1239 R : dark silt + dolomite frags (limonitic) + minor gravls.	4780W	4800N
6001241	R		3000	1.0	30	1	<1	<1		dk gr. br. soil + Ca-Si frags.	4837W	4800N
6001242	SA	-20	1	30	30		<1			As for 600 1241		

699051

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

050

AREA EL5370 Stanley River  
 DATE TAS LOCATION Stanley  
 REVISOR Rewired

PROSPECT NUMBER 600  
 1:100,000 SHEET 7914 Pieman

DATE SAMPLED JAN 75  
 SAMPLER P. MACNAMARA

LABORATORY REPORT NO. \_\_\_\_\_  
 ANALYTICAL METHOD \_\_\_\_\_

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

ADDITIONAL \_\_\_\_\_

SAMPLE NUMBER	SAMPLE TYPE	DEPTH (cm)	CHEMICAL ANALYSES (ppm)								SUMMARY DESCRIPTION	LOCATION	
			Sn	Cu	Zn	Pb	Bi	Ag	W	EW		NW	
6001243	R		<1	3	<20	3	<1	<1			granite boulder (outcrop?) + soil on hill slope E of Livingstone Cr. C.g. (1-15 mm) qtz - porphyritic feldspar - biotite granite.	4919W	7175N
6001244	M	-20	<1	1.0	<20		<1				gully drains to grid SSW - granite wash, few fines only.	4931W	7175N
6001245	M	-20	3.0	3	<20		<1				4974-4977W - No outcrop. Mainly granite wash, granite and Ns boulders few fines. No limonite/gossan float seen. Ns to W of Cr (= contact?).	4975W	7175N
6001246	M	-20	1	1.0	<20		<1				gully - no outcrop - Ns soil?	5000W	7162N
6001247	M	-20	<1	3	<20		<1				gully - no outcrop - Ns soil? (colluvial)	5000W	7132N
6001248	M	-20	<1	3	<20		<1				gully from west - sand, Ns type. No granite seen.	5000W	7057N
6001249	M	-20	<1	3	<20		<1				Boggy ground, possibly part of 6001248; (?) Ns soil/mud; no outcrop.	5000W	7042N
6001250	M	-20	1.0	3	<20		<1				gully from west; granitic detritus in N bank (see 6001251 S); no outcrop.	5000W	6990N
6001251A	S	-20	<1	1	<20		<1				N. wall of gully: granite debris + limonite.	5000W	6991N
6001252	M	-20	1	3	<20		<1				minor gully; Ns soil/mud + large qtz fragments (? granite?)	5000W	6931N
6001253	M	-20	1.0	3	<20		<1				minor gully - Livingstone Cr 6m only to the E.	5000W	6875N
6001254	M	-20	1	3	<20		<1				minor gully from W - Ns soil.	5000W	6787N
6001255	M	-20	3	3	<20		<1				Livingstone Cr sample; granitic sediment in cr, outcrop of altered granite - sediment contact, possibly including ? calc-silicates? - ie large xals of Fe/Mg or Ca-Si contact minerals nearby.	5000W	6709N
6001256	M		1.0	3	<20		<1				Livingstone Cr near northern end and adjacent to limonitic Sn gossan.		

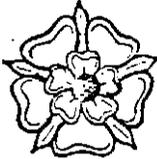
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APPENDIX II

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

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	50	20	5	50	50	50	0.5
1	50	30	20	50	100	50	0.5
2	50	20	5	50	30	50	0.3
3	50	20	5	50	50	50	0.2
4	50	20	5	50	50	50	0.1
5	50	20	10	50	100	50	0.1
6	50	30	10	50	300	50	0.1
7	50	30	10	50	200	50	0.3
8	50	20	10	50	1000	50	1.0
9	50	30	5	50	500	50	1.0
10	50	30	30	50	200	50	1.0
1	50	50	30	50	1000	50	0.3
2	50	30	50	50	2000	50	0.2
3	50	50	50	50	300	50	0.3
514	50	30	30	50	500	50	0.2
526	50	30	30	50	300	50	0.5
7	50	30	30	50	300	50	0.5
8	50	30	30	50	100	50	0.5
9	50	50	50	50	300	50	1.0
30	50	30	10	50	300	50	0.5
1	50	50	30	50	500	50	1.0
2	50	30	20	50	100	50	0.5
3	50	30	20	50	100	50	0.3
4	50	30	10	50	100	50	1.0
5	50	30	50	50	200	50	0.5
6	50	30	30	50	100	50	0.3
7	50	20	20	50	100	50	0.3
8	50	20	5	50	100	50	0.5
9	50	20	5	50	50	50	1.0
40	50	20	30	50	100	50	1.0
541	50	30	3	50	50	50	0.3
551	50	20	5	50	300	50	0.3
2	50	20	5	50	300	50	0.2
3	50	20	3	50	100	50	0.5
4	50	20	3	50	100	50	0.3
5	50	20	5	50	50	50	0.2
6	50	20	3	50	100	50	0.2
7	50	20	3	50	300	50	0.2
8	50	20	5	50	100	50	0.3
9	50	30	30	50	300	50	1.0
60	50	30	5	50	500	50	1.0
1	50	20	5	50	300	50	0.3
2	50	20	30	50	500	50	0.5
563	50	30	10	50	500	50	0.3
571	50	30	10	50	300	50	0.3
2	50	20	30	50	500	50	2.0
3	50	20	10	50	500	50	2.0
4	50	20	10	50	500	50	2.0
5	50	20	10	50	300	50	0.2
600 576	50	20	100	50	1000	50	1.0

ANALYTICAL METHODS:

DISTRIBUTION:

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*R. Selman*



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 50 MARY STREET  
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 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	5	0.5
8	5	20	30	50	300	5	1.0
9	5	30	30	50	500	5	0.5
80	5	20	30	50	500	5	1.0
1	5	20	30	50	500	5	1.0
2	5	20	5	50	50	5	0.5
3	5	20	50	50	300	5	0.2
4	5	20	5	50	300	5	0.3
5	5	30	50	50	500	5	0.2
6	5	20	3	50	300	5	0.3
7	5	30	10	50	100	5	0.1
8	5	20	50	50	300	5	0.1
9	5	20	50	50	300	5	0.1
90	5	20	30	50	300	5	0.1
1	5	20	30	50	300	5	0.1
2	5	20	30	50	300	5	0.1
3	5	20	30	50	300	5	0.1
4	5	20	50	50	500	5	1.0
5	5	20	50	50	500	5	1.0
6	5	20	50	50	300	5	1.0
7	5	20	10	50	300	5	1.0
8	5	30	10	50	100	5	0.2
9	5	20	5	50	100	5	0.2
600	5	20	5	50	300	5	5.0
1	5	20	30	50	300	5	3.0
2	5	20	100	50	300	5	0.5
3	5	20	5	50	300	5	2.0
4	5	20	5	50	100	5	0.1
5	5	20	5	50	200	5	0.5
6	5	30	3	50	100	5	0.1
7	5	30	30	50	100	5	0.1
8	5	20	20	50	50	5	0.1
9	5	20	20	50	100	5	0.1
10	5	20	20	50	50	5	0.1
1	5	30	20	50	300	5	0.1
612	5	30	20	50	300	5	0.1
626	5	20	20	50	500	5	0.5
7	5	30	30	50	500	5	0.5
8	5	100	100	50	200	5	1.0
9	5	100	100	50	300	5	0.3
30	5	100	100	50	500	5	2.0
1	5	20	30	50	300	5	1.0
2	5	100	50	50	500	5	2.0
3	5	50	100	50	300	5	1.0
4	5	50	50	50	500	5	0.5
5	5	50	100	50	300	5	0.3
6	5	50	50	50	500	5	0.3
7	5	50	50	50	1000	5	0.5
8	5	50	100	50	500	5	0.1
600 639	5	100	100	50	500	5	0.5

ANALYTICAL METHODS:

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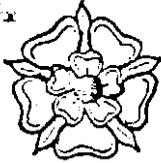
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 P.O. BOX 3  
 UNLEY, S.A. 5061  
 PHONE: 272 5733

**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	GG	50	50	50	500	10	<0.1
1	GG	30	30	50	300	GG	0.3
2	GG	<20	20	50	1000	GG	0.2
3	GG	20	20	50	500	3	<0.1
4	GG	30	30	50	500	3	<0.1
5	GG	20	30	50	300	3	<0.1
6	GG	30	30	50	500	10	<0.1
7	GG	100	30	50	500	GG	<0.1
8	GG	50	10	50	300	GG	<0.1
9	GG	20	10	50	300	3	<0.1
650	GG	100	100	50	300	5	1.0
652	GG	30	30	50	200	5	0.3
3	GG	30	20	50	300	GG	0.3
4	GG	20	20	50	300	GG	<0.1
5	GG	20	20	50	300	5	0.2
6	GG	20	30	50	300	GG	0.1
7	GG	<20	30	50	300	GG	0.1
8	GG	20	5	50	200	GG	0.3
9	GG	<20	3	50	300	GG	<0.1
60	GG	<20	5	50	200	GG	<0.1
1	GG	<20	5	50	200	GG	0.3
2	GG	20	10	50	300	GG	0.3
3	GG	30	20	50	500	GG	3.0
4	GG	30	30	50	300	GG	5.0
5	GG	<20	10	50	300	GG	0.2
6	GG	30	10	50	300	GG	0.2
7	GG	<20	10	50	300	GG	0.2
8	GG	30	30	50	300	GG	0.1
9	GG	20	10	50	300	GG	<0.1
70	GG	<20	10	50	200	GG	0.1
1	GG	30	10	50	300	GG	<0.1
2	GG	30	10	50	200	GG	<0.1
3	GG	<20	30	50	300	GG	0.1
4	GG	20	10	50	100	GG	<0.1
5	GG	20	GG	50	100	GG	<0.1
6	GG	30	30	50	500	GG	0.5
7	GG	<20	10	50	300	GG	0.5
8	GG	50	GG	50	300	GG	0.3
9	GG	30	10	50	300	GG	0.2
80	GG	50	30	50	500	GG	0.5
1	GG	20	10	50	300	GG	<0.1
2	GG	70	50	50	1000	GG	5.0
3	GG	<20	5	50	300	GG	3.0
4	GG	<20	30	50	500	GG	1.0
5	GG	<20	5	50	300	GG	1.0
600 686	GG	<20	10	50	200	GG	0.5

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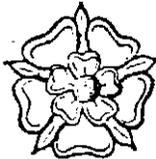
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*H. Brewer*



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 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	<30	50	200	100	<30	30	200
1	<30	30	30	30	<30	30	50
2	<30	50	30	50	<30	30	50
3	<30	50	20	50	<30	30	50
4	<30	30	50	50	<30	300	30
5	<30	30	100	50	<30	300	30
6	<30	30	100	30	<30	1000	50
7	<30	50	100	100	<30	300	200
8	<30	30	1000	50	<30	500	500
9	<30	50	50	50	<30	500	30
10	<30	30	50	10	<30	300	<20
1	<30	30	30	50	<30	500	30
2	<30	30	30	30	<30	500	30
3	<30	20	30	50	<30	300	30
514	<30	50	100	50	<30	500	30
526	<30	30	50	20	<30	200	20
7	<30	30	50	30	<30	50	30
8	<30	50	200	30	<30	50	20
9	<30	20	100	30	<30	50	30
30	<30	30	100	30	<30	50	30
1	<30	30	50	30	<30	500	20
2	<30	30	100	10	<30	50	<20
3	<30	30	100	30	<30	100	100
4	<30	30	100	10	<30	100	30
5	<30	30	300	10	<30	200	500
6	<30	30	50	20	<30	300	<20
7	<30	50	100	10	<30	50	300
8	<30	30	100	10	<30	100	300
9	<30	20	200	20	<30	300	100
40	<30	30	200	5	<30	50	100
541	<30	30	200	20	<30	500	30
551	<30	30	30	20	<30	5	30
2	<30	30	50	10	<30	300	50
3	<30	30	50	20	<30	500	30
4	<30	20	30	30	<30	300	30
5	<30	50	30	30	<30	100	20
6	<30	30	30	30	<30	100	20
7	<30	30	30	30	<30	50	<20
8	<30	30	10	30	<30	300	<20
9	<30	50	30	20	<30	300	30
60	<30	50	30	30	<30	500	<20
1	<30	30	20	30	<30	500	<20
2	<30	30	30	10	<30	300	<20
563	<30	30	30	20	<30	300	<20
571	<30	30	10	10	<30	200	<20
2	<30	50	30	5	<30	300	100
3	<30	50	50	5	<30	300	100
4	<30	50	50	<1	<30	300	20
5	<30	30	50	5	<30	1000	<20
600 576	<30	50	100	5	<30	300	20

ANALYTICAL METHODS:

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**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	☺	50	100	5	<30	30	<20
8	☺	50	100	<1	<30	10	<20
9	☺	50	100	5	<30	10	<20
80	☺	50	300	<1	<30	10	50
1	☺	50	100	3	<30	30	30
2	☺	30	20	3	<30	300	100
3	☺	30	20	<1	<30	50	<20
4	☺	50	20	<1	<30	30	<20
5	☺	30	20	10	<30	300	<20
6	☺	50	20	5	<30	300	<20
7	☺	20	20	<1	<30	200	<20
8	☺	30	10	5	<30	100	<20
9	☺	30	30	<1	<30	30	<20
90	☺	20	20	<1	<30	10	<20
1	☺	100	30	<1	<30	30	<20
2	☺	20	30	10	<30	5	<20
3	☺	10	300	<1	<30	5	<20
4	☺	30	500	<1	<30	20	<20
5	☺	50	300	<1	<30	10	<20
6	☺	50	300	<1	<30	5	<20
7	☺	50	200	<1	<30	5	<20
8	☺	30	20	<1	<30	20	<20
9	☺	30	20	<1	<30	20	<20
600	☺	50	300	<1	<30	3	<20
1	☺	50	300	<1	<30	10	20
2	☺	30	20	5	<30	10	<20
3	☺	100	50	50	<30	30	30
4	☺	20	30	30	<30	10	<20
5	☺	30	50	100	<30	100	100
6	☺	20	30	50	<30	20	30
7	☺	30	50	10	<30	300	<20
8	☺	30	50	10	<30	300	<20
9	☺	30	50	20	<30	50	300
10	☺	50	50	20	<30	200	<20
1	☺	30	50	20	<30	300	300
612	☺	30	30	30	<30	200	30
626	☺	50	50	5	<30	30	30
7	☺	50	50	5	<30	100	30
8	☺	100	200	10	<30	100	100
9	☺	30	50	20	<30	20	<20
30	☺	100	200	30	<30	100	100
1	☺	30	100	<1	<30	5	<20
2	☺	100	200	10	<30	30	<20
3	☺	100	200	30	<30	100	30
4	☺	50	50	30	<30	300	30
5	☺	50	50	30	<30	200	<20
6	☺	100	100	20	<30	300	30
7	☺	30	200	30	<30	200	300
8	☺	50	100	20	<30	200	30
600 639	☺	30	100	30	<30	200	30

ANALYTICAL METHODS:

DISTRIBUTION:

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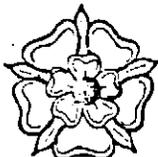
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 50 MARY STREET  
 UNLEY, S.A. 5061  
 P.O. BOX 3  
 UNLEY, S.A. 5061  
 PHONE: 272 5733

**ANALYTICAL RESULTS**

Samples from: Pacminex. Pty. Ltd.

Area:

Samples of: Sediments.

Preparation: Pulverised.

Batch No.: A2178

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	> 0000	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

ANALYTICAL METHODS:

DISTRIBUTION:

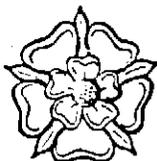
★49217

Signed

*R. Silver*



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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	90	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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Signed

*K. Brown*



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A.C.S. Laboratories Pty. Ltd.

50 MARY STREET

UNLEY, S.A. 5061

P.O. BOX 3

UNLEY, S.A. 5061

PHONE: 272 5753

## 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, and 3 by emission spectrography.



DISTRIBUTION: Pacminex Pty. Ltd.  
Sydney.

★49217

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*K. Bevan*  
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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

AREA EL53/70 Stanley River  
 STATE TAS LOCATION EM Anomaly 019

PROSPECT NUMBER 600  
 1:100,000 SHEET 7914 Pieman

681  
 DATE SAMPLED JAN 78  
 SAMPLER P.M. MacNAMARA

LABORATORY REPORT NO. \_\_\_\_\_  
 ANALYTICAL METHOD \_\_\_\_\_

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

ADDITIONAL hNs - hornfelsed Conch  
Qtzite and Sl.

SAMPLE NUMBER	STATE	LOCALITY	CHEMICAL ANALYSES (ppm)										SUMMARY DESCRIPTION	LOCATION		
			Sn	Cu	Zn	Pb	Bi	Ag	W	Sb	E/W	N/S				
600019860	M		-20 -80	<1 <5	3 5	<20 10		5					<5 <10	1.4 km SW of Mt Livingstone at site of drainage anomaly 240ppm Sn, 7ppm Cu (-80 mesh sample 12436 DWG 1879) near airborne EM anomaly 019 (H400 EM system).		
600019861	M		-20 -80	3 5	10 2	<20 10		5					<5 10	1.5m gully, colluvial bank; Ns outcrop (Conch Qtzite S.) CRT on main CR off Mt Livingstone; hornfelsed Ns, red br. biotite speckling. str. 050° dip steep 5th.		
600019862	M		-20 -80	3 <5	10 5	<20 5		5					<5 <10	main CR off Mt Livingstone, between 860, 861. No outcrop; hNs gulls; no granite boulders seen.		
600019863	M		-20 -80	<1 <5	10 5	<20 5		5					<5 10	below 600019860; alluvial - Ns on ridges.		
600019864	M		-20 -80	<1 <5	3 5	<20 2		2					<5 20	A major CR above 863; hNs boulders, no granite seen; no outcrop. hNs boulders: f.g. Sericitic rock & black anhedral "spots".		
600019865	M		-20 -80	3 <5	10 5	<20 5		2					<5 10	Alluvial mud - no outcrop.		
600019866	M		-20 -80	<1 <5	3 5	<20 2		2					<5 10	Alluvial / colluvial - no outcrop but Ns nearby		
600019867	M		-20 -80	<1 <5	3 5	<20 5		2					<5 <10	Alluvial flat.		
600019868	M		-20 -80	10 <5	10 5	<20 5		2					<5 10	1.5m gully; Ns scree.		
600019869	M		-20 -80	<1 <5	3 5	<20 10		2					<5 20	Main CR - alluv banks; no outcrop; 1.5m wide.		
600019870	M		-20 -80	<1 10	10 2	<20 10		5					<5 10	Alluvial; no outcrop.		
600019871	M		-20 -80	<1 <5	30 2	<20 2		2					5 10	2nd Order CR draining SE across divide from 600019860-870M; sand and gravel.		
600019872	R			1	10	<20		3		1				Spotted dark grey to black slate at site of EM anomaly str. 280°/90° dip; shear cut ~26°?		
600019873	M		-20 -80	3 <5	10 2	<20 2		5					<5 <10	2nd Order CR; alluvials - sand, gravels; outcrop Qtzite 340°/80° dips		
600019874	M		-20 -80	1 <5	10 2	<20 2		2					<5 10	Location as for 873 - "C" horizon soil		

699063



PACMINEX PTY. LTD. — SAMPLE DATA SHEET

AREA EL53/70 Stanley River PROSPECT NUMBER 600  
 STATE TAS LOCATION EM Anomaly SHEET 7914  
 019

DATE SAMPLED JAN 78  
 SAMPLER A. LEVING

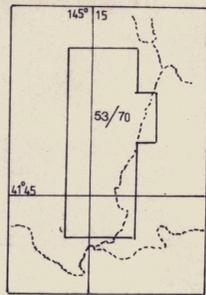
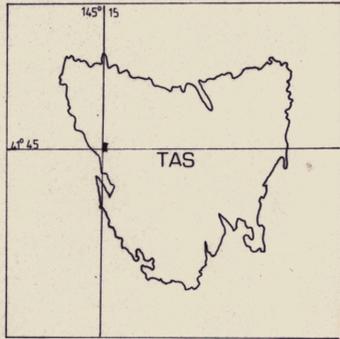
LABORATORY REPORT NO. \_\_\_\_\_  
 ANALYTICAL METHOD \_\_\_\_\_

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

ADDITION: \_\_\_\_\_

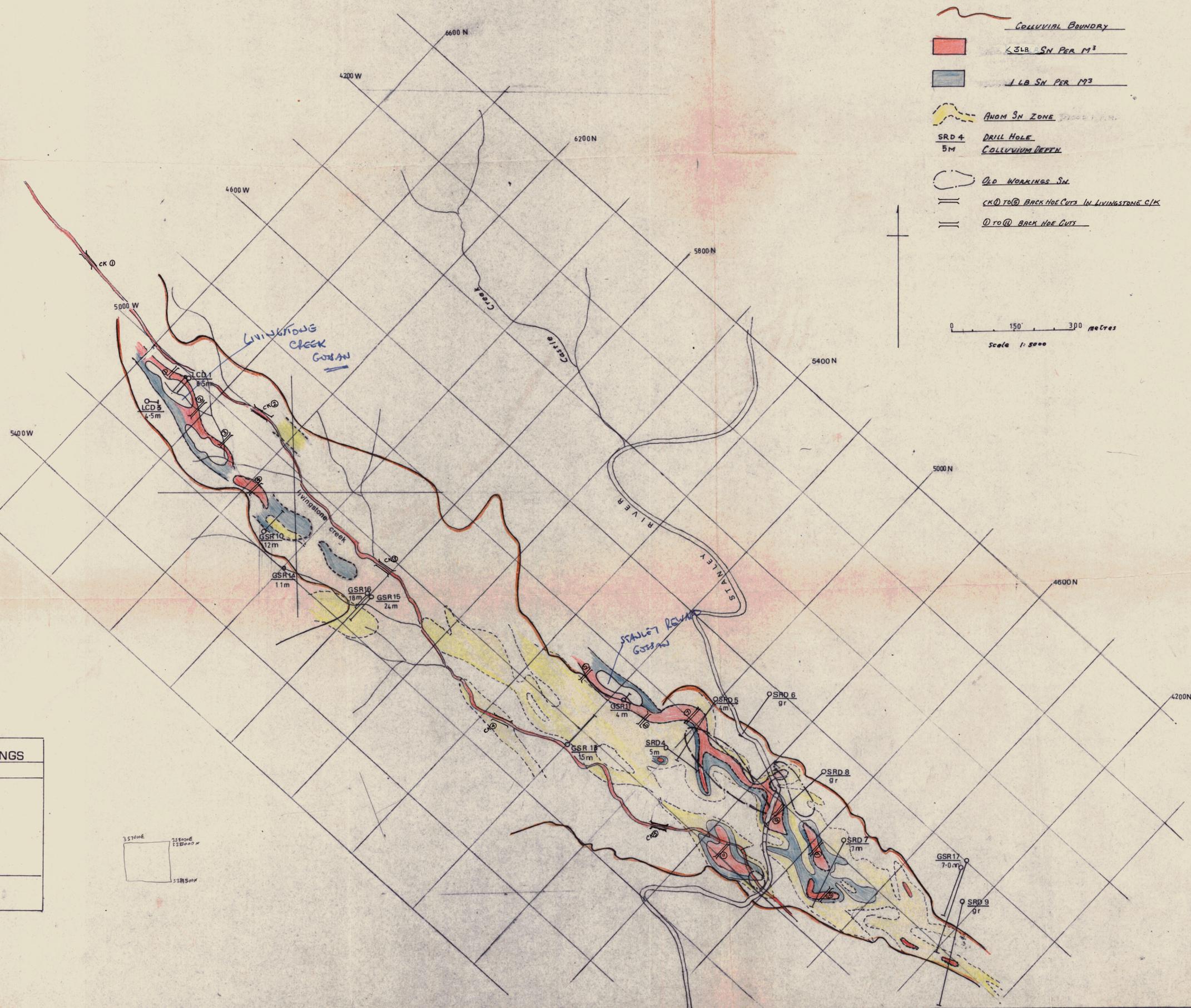
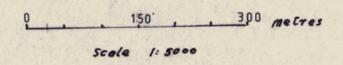
SAMPLE NUMBER	STATE	DEPTH (cm)	CHEMICAL ANALYSES (ppm)										SUMMARY DESCRIPTION	LOCATION		
			Sn	Cu	Zn	Pb	Bc	Ag						E/W	N/S	
600019922	S	-20	<1	1.0	<2.0		<1							0.1m grey brown Sandy Soil - on bedrock		
		-80		2	1.0		2									
923	S	-20	<1	1.0	<2.0		<1							0.1m As for 922, glz fragments with green stains		
		-80		2	5		5									
924	S	-20	<1	1.0	<2.0		<1							0.2m As for 923		
		-80		2	5		5									
925	S	-20	<1	3	<2.0		<1							As for 923		
		-80		2	5		5									
926	S	-20	<1	1.0	<2.0		<1							0.2m med gr. brn pebbly clayey soil.		
		-80		2	5		5									
927	S	-20	<1	1.0	<2.0		<1							0.1 med gr. clayey soil.		
		-80		2	5		5									
928	S	-20	<1	3	<2.0		<1							0.2m dk. gr. brn. clayey soil		
		-80		2	5		5									
929	S	-20	1.0	1.0	<2.0		<1							0.2m med. gr silty soil		
		-80		2	5		10									
930	S	-20	<1	1.0	<2.0		<1							0.2m gr. brn. clayey soil		
		-80		2	5		10									
931	S	-20	<1	1.0	<2.0		<1							As for 930.		
		-80		2	5		10									
932	S	-20	<1	1	<2.0		<1							0.2m gr. brn. clayey loam.		
		-80		2	5		5									
933	S	-20	<1	3	<2.0		<1							As for 932		
		-80		2	2		5									
934	S	-20	<1	3	<2.0		<1							0.2m gr. loam		
		-80		2	5		5									
935	M	-20	<1	3	<2.0		<1							Gulley - dark grey brn. mud		
		-80		2	5		5									
936	S	-20	<1	3	<2.0		<1							dk. gr. brn. clayey loam (0.3m)		
		-80		2	5		10									
937	S	-20	<1	1.0	<2.0		<1							As for 936 + pebbles.		
		-80		2	5		5									
938	S	-20	<1	3	<2.0		<1							0.2m brn. sandy loam.		
		-80		2	5		5									
939	S	-20	<1	1.0	<2.0		<1							As for 937		
		-80		2	5		5									
940	M	-20	<1	1.0	<2.0		<1							0.3m gr. brn loam		
		-80		2	5		5									
941	S	-20	<1	3	<2.0		<1							0.1m - ridge - Sandy pebbly loam.		
		-80		2	2		2									
942	S	-20	<1	1.0	<2.0		<1							As for 941		
		-80		2	2		2									
943	S	-20	<1	3	<2.0		<1							grey brown clayey loam (0.1m)		
		-80		2	2		10									

690669



LEGEND

-  COLUVIAL BOUNDARY
-  < 3LB SN PER M<sup>3</sup>
-  1 LB SN PER M<sup>3</sup>
-  ANOM SN ZONE
-  DRILL HOLE
-  COLLUVIUM DEPTH
-  OLD WORKINGS SN
-  CK ① TO ② BACK HOE CUTS IN LIVINGSTONE CLK
-  ① TO ② OPEN HOE CUTS



88-2897

VALLEY EXPLORATION HOLDINGS PTY LTD	
EXPLORATION LICENCE	53/70
LIVINGSTONE CREEK WEST TASMANIA	
Scale 1:5000	MAP 3
Drawn T.M.S.	
Date 1/8/88	
Revised	



004

699067

" PROPOSED APPLICATION FOR MINING LEASE "

LIVINGSTONE CREEK

WEST TASMANIA

APPROX. 360.30 HA.

Co-ordinates.

Commencing at a point on the lower Pieman Road, 150 metres westerly of the western boundary of the Pieman River Bridge thence -

N/W  $330^{\circ}$  for 3.250 metres

N/E  $37^{\circ}$  for 1.000 metres

S/E  $149^{\circ}$  for 5000 metres (AMEND)\*

N/W  $296^{\circ}$  for 1750 metres to point of commencement. (AMEND)\*

SEE PLAN AND LETTER 2/8/88. 

PROPOSED  
 APPLICATION FOR MINING LEASE  
 OF  
 APPROX 360-30 H/A

LIVINGSTONE CREEK

NORTH WEST

TASMANIA

- AREA APPLIED FOR
- LEASE BOUNDRIES 29M TO 30M
- BOUNDRY OF E/L 53/70
- AREA OF COLLUVIUM

6 M

0 500 1000 M  
 SCALE 1:25000

