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184001

Prospect 602

MICROFILMED

PACMINEX PTY. LIMITED

DRAINAGE SAMPLING 1977 - 1978
E.L. 15/76, DUNDAS
WEST TASMANIA

79-1335

PMR 5/79

OPEN FILE

SYDNEY
January, 1979

P.M. MACNAMARA

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184003

CONTENTS

003

184004

LIST OF ILLUSTRATIONS

PLANS (IN POCKET)

004

184005

KEYWORDS

TASMANIA
EXPLORATION
8SK 55-05
1978
MINERAL
COPPER
ZINC
SILVER
ANTIMONY
BARIUM
NICKEL
VANADIUM
FLUORINE
GEOCHEMISTRY
STREAM
ROCK
HEAVY
TIN
LEAD
BISMUTH
TUNGSTEN
CALCIUM
COBALT
CHROMIUM
ARSENIC

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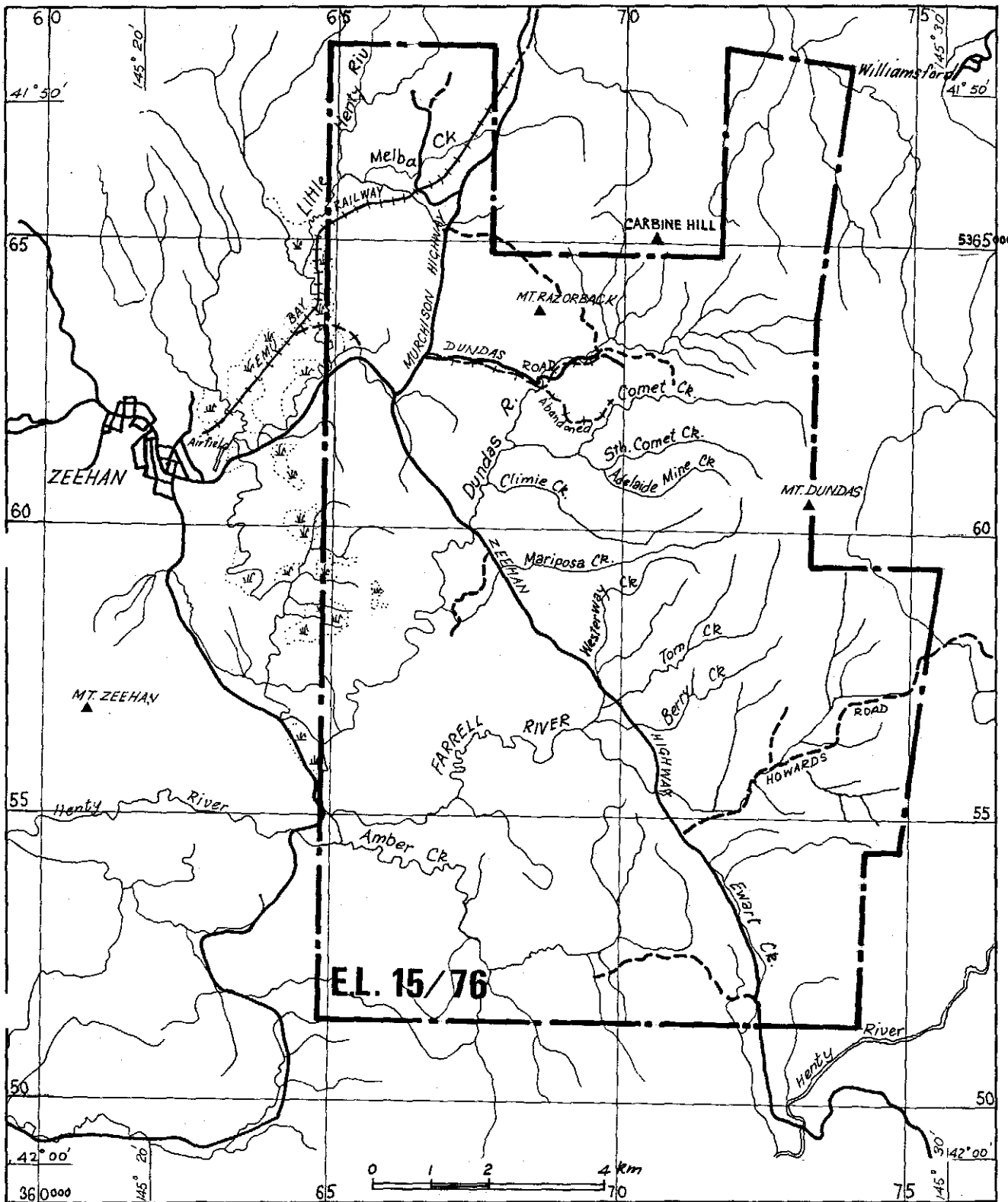
184006



LOCATION MAP

E.L. 15/76 DUNDAS

FIG. 1

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1. INTRODUCTION

1.1 Drainage sampling was initiated on E.L. 15/76, Dundas in November, 1976 (Figure 1). To March, 1978, 624 drainage silt, panned concentrate and rock chip samples had been collected and chemically analysed. The 624 samples included 104 outcrop chip and float samples, 152 panned heavy mineral concentrate samples from creek sediments and 368 drainage silt samples.

1.2 The -80 mesh fraction of the 368 drainage samples was tested initially (Appendix II). Subsequently the -20 mesh fraction of 120 of this group were chemically analysed also, as work elsewhere indicated detrital minerals such as cassiterite tend to report more strongly in the coarser, -20 mesh fraction of soils and sediments (Appendix I).

1.3 Sampling involved traversing creeks in which active stream silts were collected for subsequent drying, sieving and chemical analysis. Heavy mineral concentrates were collected by panning 2 to 6 large gold panfuls of stream sediment on site. Final concentration was accomplished with bromoform (S.G. 2.87).

1.4 The -80 mesh fractions of stream sediments were chemically analysed by atomic absorption spectrophotometry. The -20 mesh fraction and panned concentrate samples were scanned by Emission spectrography. All analyses are shown in Appendix I, -80 mesh results alone in Appendix II and panned concentrate analyses alone in Appendix III. Sample locations are shown on DWGs K555-6 and 7.

1.5 This report deals with the results obtained from chemical analyses of the 624 drainage, panned concentrate and rock chip samples collected to March 1978. It draws attention to the more obvious drainage anomalies particularly those involving tin, tungsten, silver, antimony, lead and zinc.

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2. SUMMARY

2.1 Between November 1976 and March 1978, 624 drainage silt, heavy mineral panned concentrate and rock chip samples were collected during creek traversing of E.L. 15/76, Dundas (Figure 1).

2.2 The sampling checked the steep country in the northern and eastern sectors of the E.L. The underlying rock units in the sampled area range from Proterozoic Whyte Schists and Oonah Quartzite and Slate upwards into Cambrian volcanics and volcano-clastics of the Crimson Creek Formation and Dundas Group. Ordovician and Silurian sediments occur along the western fringes of the sampled areas.

2.3 Distribution of mines and prospects on the Zeehan 1:63,360 Geology Sheet indicate the E.L. is prospective for:-

2.3.1 Silver-Lead-Zinc

(i) in the upper sections of the Oonah Quartzite and Slate, possibly with tin sulphides associated as in the Oonah Mine.

(ii) adjacent to serpentinites (Adelaide, McKimmies, etc.).

(iii) possibly of acid volcanic origin in Dundas Group rocks (Cu-Zn-Pb-Ag-Sn association).

2.3.2 Tin

(i) Renison Bell type

(ii) along faults, sometimes adjacent to serpentinites (Razorback, Montezuma Fault, etc.). Quartz feldspar porphyry dyke sources may occur at depth.

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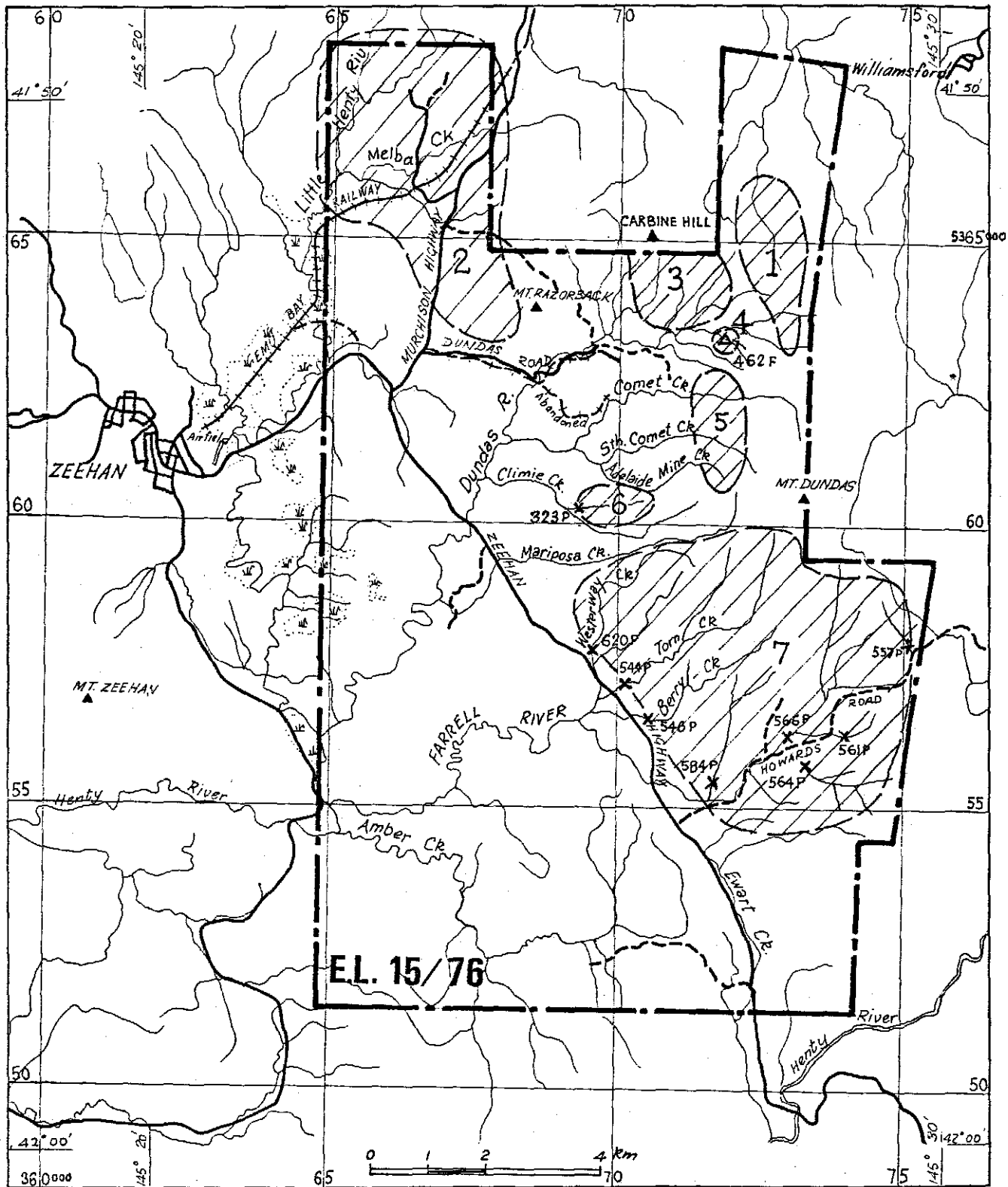

584P × PANNED CONCENTRATE SAMPLE No. 602 584 P

△ FLOAT SAMPLE

(2) ANOMALOUS AREAS

ANOMALOUS DRAINAGE AREAS AND SAMPLE LOCATIONS

5 cm

E.L. 15/76 DUNDAS

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2.3.3 Copper-Nickel

Massive copper-nickel sulphides associated with serpentinites (e.g. Cuni).

2.3.4 Complex Lead-Antimony Sulphides

Complex Pb-Sb sulphides with high Sn, Ag, Bi, W etc. values associated (acid volcanic association ?).

2.3.5 Lead-Zinc-Fluorite

Pb-Zn-F associated with Ordovician Gordon Limestone.

2.4 All of the above mineralisation types have been located within the E.L. except the Renison Bell type. Other mineralisation possibilities are mentioned below.

2.5 Chemical analyses of drainage samples indicate the following elements report strongly and are highly anomalous in places:- Sn, W, Sb, Cu, Zn, Pb, Bi, Ag, Ni, Co, Cr, Ba, F. Element associations, geology and complex sulphide occurrences suggest an acid volcanic association of elements is present. Thus stratabound mineralisation should be kept in mind as well as the fracture-controlled situations which have been the main targets in the past. In addition, more emphasis appears warranted on the prospection for tin, tungsten and silver in particular than has been the case in the past.

2.6 Results of testing drainage silt and panned concentrates from stream sediments indicate the following areas warrant follow-up work (Figure 2). They are discussed more fully in Section 8 and in detail in Section 7.

2.6.1 Area 1

N.E. part of E.L. between 5364N and 5366.5N straddling line 373E and Montezuma Fault. The area includes a number of lead-zinc-silver-bismuth prospects such as Frasers, Curtain-Davis, Evendon and Hecla.

Strong tin values were obtained in some sieved sediment samples such as 602 019M (4000 ppm Sn). In addition strong Sn-Sb-W values were obtained in panned concentrate samples with values to +10,000 ppm Sn, +10,000 ppm Sb and 2000 ppm W.

Area 1 needs to be tested by soil sampling to define possible drill targets. A helipad and camp will probably be required in order to carry out a line cutting and soil sampling programme.

2.6.2 Area 2

N.W. part of E.L. south of line 5363N and the Dundas road and west of Razorback Mine. The area includes the N.W. extensions of the host rocks of Razorback Tin Mine, the Cuni copper-nickel prospects and a number of lead-zinc prospects in the Cuni area.

Drainages are highly anomalous with respect to tin. Larger creeks drain the Grand Prize Tin Mine zone to the east of the E.L. However short drainages confined solely to the E.L. also carry stanniferous sediment. These plus in-situ rock chip samples with up to 300 ppm Sn indicate tin mineralisation probably occurs in rocks within the E.L.

Reconnaissance soil sampling traverses and close spaced drainage sampling are warranted in order to locate the sources of the tin anomalies and check strength of mineralisation within the E.L. Reconnaissance sampling lines will need to be cut initially.

2.6.3 Area 3

Central northern part of the E.L. east of Razorback Tin Mine and S.E. of Carbine Hill. Sieved drainage samples with up to 450 ppm Zn and 1800 ppm Pb occur in the vicinity of sedimentary carbonate rocks of the Dundas Group. Panned concentrate samples carry anomalous Sn-Sb-W values.

Close spaced soil sampling is warranted to check for drill targets on Pb-Zn mineralisation and for any Sn-W mineralisation present.

2.6.4 Area 4

Panned concentrate sample 602 461P contained 30 ppm Ag, 1000 ppm Sb. Area 4 needs further checking, initially by close-spaced drainage and rock chip sampling.

2.6.5 Area 5

A number of high Pb-Zn values were obtained in drainages off a zone between line 371E and 372E south of 5362.5N. These are near current leases held by other parties over the Comet-Kosminski Mines. Further prospecting guided by past work in the area is warranted over the longer term.

2.6.6 Area 6

Heavy mineral panned concentrate sample 602 323P from a tributary of Climie Creek at 5360.2N/369.3E yielded 500 ppm Sn, 2000 ppm Sb and 200 ppm W. The drainage basin is worth checking further for tin-tungsten mineralisation.

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2.6.7 Area 7

Widely spaced reconnaissance sampling using panned concentrates from major creeks has defined a large area of interest east of Queenstown Highway south of Mariposa Creek to the Howards Road - Farrell River area. Heavy mineral concentrates contain anomalous values of Sn-W-Sb-Ag, similar to those in the Dundas area to the north. Values to 300 ppm Sn, 3000 ppm Sb, 1000 ppm W, 20 ppm Ag and +10,000 ppm Cr indicate closer spaced drainage sampling is required to locate anomaly sources. Soil sampling to check these would follow.

3. GEOLOGY

3.1 E.L. 15/76, Dundas, of 145 km^2 occurs in the south-eastern part of the Zeehan 1 Mile Sheet (Sheet 50). This sheet was produced by the Geological Survey of Tasmania and was published in 1962. The geology shown on attached DWGs K555-6 and K555-7 is from Sheet 50.

3.2 Briefly, the area is composed of basal Proterozoic Concert Schist and Oonah Quartzite and Slate overlain by Crimson Creek Formation and a number of formations making up the Dundas Group. The Cambrian Crimson Creek Formation and Dundas Group rocks comprise tuffs and volcanoclastics.

3.3 In the southern part of the E.L., the Proterozoic and Cambrian rocks form rugged hill country east of the Queenstown Highway in which strikes trend northwards towards Dundas. Near the Dundas group of mines, geological trends swing north-westwards until the highway is reached and then swing northwards again through the Cuni area.

3.4 To the south-west on the western side of the highway, the country is steeply undulating and is underlain by a basin of shallow water Ordovician, Silurian and Devonian sediments.

3.5 The Proterozoic-Cambrian rocks are tightly folded and were apparently deposited into unstable environments. The Ordovician-Devonian Group was deposited under more stable conditions, the sediments are more mature and are more openly folded.

3.6 Alluvial covered topographic lows tend to form on the Ordovician Gordon Limestone. Quaternary morainal material covers much of the steep country in the south-east of the E.L. near Howards Road. Morainal material also makes up part of the topographically lower alluvial cover on Gordon Limestone in this area.

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3.7 High level gravels, possibly related to the moraines form remnant cappings on Oonah Quartzite and Slate to the north and west of Zeehan. Some of these cappings have heavy mineral concentrates of granitic origin associated (cassiterite, gold, tourmaline, etc.). Such remnant gravels have not been recognised within E.L. 15/76, but may occur and contribute to unusual distribution of heavy minerals.

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4. MINERALISATION

4.1 In the general area of Zeehan, the following types of mineralisation occur:-

4.1.1 Ag-Pb-Zn in the upper part of the Oonah Quartzite and Slate. Tin sulphide (stannite) is associated in some prospects (i.e. Oonah Mine).

Examples: Zeehan group of mines, Dundas group of mines (Comet, Maestries; Kosminsky etc.).

4.1.2 Massive sulphide bodies containing cassiterite and occurring in dolomitic rocks at the Oonah Quartzite and Slate/Crimson Creek Formation contact.

Example: Renison Bell.

4.1.3 Tin mineralisation associated with faults, possibly underlain by quartz-feldspar porphyry dykes. Some occurrences adjoin serpentinite.

Examples: Grand Prize; Razorback Mine (serpentinite); Montezuma Fault prospects.

4.1.4 Complex sulphides of Pb-Sb (jamesonites, boulangerite, etc.) and Cu-Pb-Zn-Bi-Ag etc. mineralisation in sulphides in Dundas Group rocks. Tin mineralisation is also apparently associated in some prospects.

Example: North Montezuma grid prospects; Evendon, Hecla, Fraser etc. Mines.

4.1.5 Pb-Ag adjacent to serpentinites.

Example: Adelaide, McKimmies, etc.

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4.1.6 Massive sulphide lenses containing rich copper and nickel values associated with serpentinites.

Example: Cuni.

4.1.7 Pb-Zn-F associated with Ordovician Gordon Limestone.

4.2 All of the above listed mineralisation-types have been located within E.L. 15/76, Dundas except the Renison Bell stanniferous sulphide type.

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5. BACKGROUND TO THE GEOCHEMICAL SURVEY

5.1 The E.L. area has been checked over the last decade for a restricted range of base metals using the -80 and -40 mesh fractions of stream sediments. The main metals sought and analysed for were Pb, Zn and Cu. Most of the drilling done to date in the area has been aimed at Pb-Zn-Ag mineralisation which apparently occurs as carbonate veins (e.g. Geophoto Resources Limited's drilling of the South Comet, Kosminski, etc.).

5.2 At the start of the present survey it was decided to check the area for a wider range of elements than had been covered previously. Possible acid volcanic associations were kept in mind as well as the element associations indicated by mineralisation found in the Zeehan region to date. The present survey placed particular emphasis on Sn, W and Ag.

5.3 Both -80 mesh and panned concentrate drainage samples were initially chosen to scan the area, outline anomalies and eliminate barren area. In the case of rugged drainage basins of difficult access, it was hoped that emission spectrographic scans of a limited number of samples, especially panned concentrate samples, taken well downstream would eliminate or upgrade the basin.

5.4 Subsequently the -20 mesh fraction was also analysed as work at Stanley River indicated tin reports more strongly in the -20 mesh than the -80 mesh soil fraction. It was thought that that a similar response might apply to stream sediments also.

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E.L. 15/76

FIG. 3 LOCATION OF GEOPHOTO RESOURCES GRIDS

5 cm

LEGEND

Road
Vehicular track
Foot track
Boundary of E.L. 7/68
Boundary of Minerals Leases held by others
Grid boundary
Grid lines

Scale: 1 : 12,500

TEXAS INSTRUMENTS INCORPORATED
GEOPHOTO RESOURCES
SYDNEY, AUSTRALIA
TEXINE DEVELOPMENT PTY. LTD.
EL 7/68 CUDGIS DISTRICT, TASMANIA
LOCATION OF GRIDS G.R.001

Note: The grid is a compilation of photogrammetric readings of the 1:00 ft/in sheets

6. THE AREAS SAMPLED

6.1 For subsequent discussion in Section 7, samples covering a particular anomalous area or geographic entity have been grouped in sequential order under the heading "Sample Numbers in Area" in Table 1. The first column of Table I lists the section of this report in which each geographic grouping of samples is discussed. A number of areas were tested by more than one group of samples and these are listed as "Associated Sample Numbers". These are discussed in a section of this report which is listed in the fourth column of Table I.

6.2 Some of the geographic groupings of samples define geochemically anomalous areas which have been numbered Areas 1 to 7 (Figure 2).

6.3 The location and general grid reference to the anomalous areas and/or geographic grouping of samples are shown in the last column of Table I.

TABLE I

GROUPING OF SAMPLES BY AREA

SECTION OF REPORT	SAMPLE NUMBERS IN AREA (PREFIX 602)	ASSOCIATED SAMPLE NUMBERS (PREFIX 602)	SECTION OF REPORT	AREA, LOCATION AND GRID REFERENCES
7.1	001-093	165-180 506-517	7.3 7.26	Area I: N.E. part of E.L. north of line 5364N (Montezuma North and Frazer Grids)
7.2	094-164	518-532 539-543 587-604	7.27 7.29 7.35	Area 2: N.W. part of E.L. north of line 5363N (Cuni to Razorback Mine)
7.3	165-180			Area I: See Section 7.1
7.4	181-192	283-304 422-455	7.11 7.22	Area 3: Carbine Grid, Central north edge of E.L. centred at 5364N/371E
7.5	193-213	466-492 506-517	7.24 7.26	Area I - South: North Montezuma Grid near 5363N/373E
7.6	214-221	456-465 493-505	7.23 7.25	Area 4 - S.E. extension of Area 3: (Carbine Grid) Dundas River 5363.4N/ 371.3E
7.7	222-231	305-312 406-421	7.12 7.21	South Montezuma Grid near 5362N/373E
7.8	232-249	250-258 371-387 392-405	7.9 7.18 7.20	Area 5: Comet Creek, Ainslie Grid east of 5362.3N/372E
7.9	250-258			North Comet Grid near 5363N/371E
7.10	259-282			Area 5: near 5361N/371E

TABLE I

SECTION OF REPORT	SAMPLE NUMBERS IN AREA (PREFIX 602)	ASSOCIATED SAMPLE NUMBERS (PREFIX 602)	SECTION OF REPORT	AREA, LOCATION AND GRID REFERENCES
7.10.1	259-271			Adelaide Mine Creek, Mariposa East Grid 5361N/371E to 372E
7.10.2	272-282			Great South Comet and Kosminsky Mine, Ainslie Grid near 5361.5N/371E along South Comet Creek
7.11	283-304			Area 3: Carbine West-North Comet Grids near 5363N/370E
7.11.1	283-284			Dundas River near Hasset Gravel Pit near 5363.2N/370.1E
7.11.2	285-304			Carbine West and North Comet Grid: Barker Creek eastwards of 5363.5N/370.5E
7.12	305-312		7.7	South Montazuma Grid in vicinity 5362N/373E
7.13	313R			East-South Comet Grid near 5361.4N/371.2E
7.14	314-331	349-353	7.16	Area 6: Mariposa South Grid. Climie Creek near 5360N/371E
7.15	333-348	610 619-622	7.37 7.39	Area 7: Westerway Creek commencing near 6359N/370E
7.16	349-353			Mariposa West Grid near 5360N/371E

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TABLE I

SECTION OF REPORT	SAMPLE NUMBERS IN AREA (PREFIX 602)	ASSOCIATED SAMPLE NUMBERS (PREFIX 602)	SECTION OF REPORT	AREA, LOCATION AND GRID REFERENCES
7.17	354-370	544 608	7.30 7.37	Area 7: Tom Creek commencing near 5359N/373E
7.18	371-387			Area 5: Comet Creek, Ainslie Grid near 5362N/371E
7.19	388-391			Comet-Kosminski Mines area near 5362.7N/370E
7.20	392-405			Area 5: Comet Creek, Ainslie Grid near 5362N/372E
7.21	406-421			Montezuma South Grid near 5362.5N/373E
7.22	422-455			Area 3: Carbine East Grid near 5363.7N/371.4E (Section 7.4)
7.23	456-465			Area 4: Dundas River Tributaries S.E. of Carbine East Grid near 5363.4N/371.3E (Section 7.6)
7.24	466-492			Area 1 - South: North Montezuma Grid near 5363N/373E (Section 7.5)
7.25	493-505			On Moores Pimple track westwards of North Montezuma track from near 5362.8N/372.9E
7.26	506-517			Area 1: North Montezuma Grid near 5364N/372.6E

TABLE I

SECTION OF REPORT	SAMPLE NUMBERS IN AREA (PREFIX 602)	ASSOCIATED SAMPLE NUMBERS (PREFIX 602)	SECTION OF REPORT	AREA, LOCATION AND GRID REFERENCES
7.27	518-532			Area 2: Cuni area, north of line 5366N commencing near 5368N/366.7E
7.28	533-538			Confidence Saddle and North Dundas Tramway near 5367.8N/371.3E
7.29	539-543			Area 2: Cuni area : main highway southwards from 5364.8N/367E (Section 7.2)
7.30	544-552			Area 7: From Tom Creek southwards along Queenstown Highway from near 5357N/370E
7.31	553-569	583-586 605-607	7.34 7.36	Area 7: Howards Road westwards of 5358N/375E to Queenstown Highway
7.32	570R			Queenstown Highway south edge of E.L. near 5351N/372.6E
7.33	571-582			Mariposa Mine area near 5358.5N/367.5E
7.34	583-586			Area 7: Farrell River near 5355N/371.6E
7.35	587-604			Area 2: Dundas near 5363N/369.3E then westwards along Dundas road towards Queenstown Highway (Section 7.2)

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TABLE I

SECTION OF REPORT	SAMPLE NUMBERS IN AREA (PREFIX 602)	ASSOCIATED SAMPLE NUMBERS (PREFIX 602)	SECTION OF REPORT	AREA, LOCATION AND GRID REFERENCES
7.36	605-607			Area 7: Farrell River tributaries near 5355N/371E and 5356.5N/370E
7.37	608-615			Area 7: Tom Creek near 5357N/370E thence N.W. adjacent to highway to 5357.6N/368.8E
7.38	616-618			Near Queenstown Highway/ Zeehan Highway junction near 5362N/366.5E
7.39	619-622			Area 7: Westerway Creek near highway at 5357.5N/369.7E
7.40	623-624			Mariposa Creek near highway at 5359.3N/368E

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7. RESULTS FROM INDIVIDUAL AREAS SAMPLED

Samples covering individual areas are grouped in sequential order and listed in Table I. These areas and sample groupings are discussed below.

Sample analyses are shown in Appendix I. Sample locations are shown on DWGs K555-6 and 7. Anomalous Areas 1 to 7 are shown on Figure 2.

7.1 Samples 602 001-093: Area 1 - N.E. part of E.L. north of line 5364N
Associated samples : 602 165-180 (Section 7.3)
602 506-517 (Section 7.26)

7.1.1 High tin values occur in most panned concentrate samples from the N.E. part of the E.L. (i.e. 602 004P to 602 092P).

Some of the highest values occur in the vicinity of Lease 62M/75 (Minops) and 12M/42 (Green and Williams). These two leases occur within the perimeter of the E.L. but are excluded as they were taken up prior to the granting of E.L. 15/76.

7.1.2 Of particular interest is the zone to the south of the leases between (say) 5366.5N and 5364N. In particular high Sn-W-Sb values were recorded in -80 mesh and panned concentrate samples in this 2.5 km belt. These results are shown below, and indicate the zone is worth checking further by soil sampling and mapping with the object of establishing drill targets.

SAMPLE NO.	NORTHING	Sn	Sb	W	Cu	Zn	Pb	Ag (ppm)
602 075M	5366.5 N	50	<30	<50	45	55	260	1
076P	"	300	2000	2000	30	1000	100	< 0.1
602 060M	5365.2 N	20	<30	< 50	20	40	120	< 1
061P	"	1000	1000	1000	30	1000	100	< 0.1
602 088M	"	< 20	<30	<50	140	350	1400	7
089P	"	2000	500	500	500	1000	1000	< 0.1
602 091M	"	4000	<30	<50	5	10	40	< 1
092P	"	>10000	>10000	-	500	2000	2000	-
602 171M	5364 N	200	-	-	60	110	1700	13
172P	"	1000	50	<50	30	20	100	0.5
602 508M	5364 N	100	-	-	40	65	720	3
602 511R	"	1000	2000	<50	2000	30	+1%	30
512R	"	5000	3000	<50	5000	50	+1%	50
516R	"	2000	3000	<50	5000	30	>1%	50

7.1.3 Samples 602 171M (200 Sn) and 602 172P (10000 Sn) and 602 508M (100 Sn) confirm the North Montezuma Grid is prospective for tin in the vicinity of 5364N, as well as complex Pb-Sb-Ag sulphides (jamesonite etc.).

7.1.4 Grid testing by soil sampling is warranted. Samples should be checked for a range of elements.

7.2 Samples 602 094-164: Area 2 - N.W. part of E.L. around Cuni, north of line 5363N

Associated Samples : 602 518-532 (Section 7.27)
602 539-543 (Section 7.29)
602 587-604 (Section 7.35)

7.2.1 Numerous strong tin values were recorded from panned concentrate samples numbered 602 094 to 602 164. Most panned concentrate samples contain in excess of 1000 ppm Sn, and carry high Sb-W-Pb values.

7.2.2 Although not demonstrated conclusively, the source of many of the anomalies could be either outside the E.L. to the east in the Grand Prize Mine area or off the numerous tramway and road beds in the Cuni area which were probably built up from

Zeehan Mines mullock heaps. However a number of the drainage and rock chip samples are sufficiently localised in short apparently non-contaminated drainages originating within the E.L. to suggest some tin anomalies at least are locally derived from in-situ material within the E.L.

7.2.3 The following samples from short drainages confined to the E.L. indicate potential in the central part of the Cuni area.

SAMPLE NO.	NORTHING	Sn	Sb	W	Cu	Zn	Pb	Ni	Cr
602 520M	5367.8 N	50	<30	<50	25	110	45	20	30
104P	"	500	2000	-	300	1000	50	-	-
602 139M	5367.7 N	60	<30	<50	20	960	1700	3	<20
602 114M	5366.6 N	20	-	-	40	120	360	-	-
115P	"	3000	1000	1000	500	1000	500	100	10000
602 125M	5365.7 N	50	-	-	20	85	100	-	-
126P	"	3000	3000	1000	50	1000	100	30	>10000
602 526R	5367.7 N	300	100	<50	5000	+1%	+1%	100	50
602 529R	5366.2 N	300	<30	<50	200	300	1000	100	50

7.2.4 High Cr and Sn values could be locally derived from the Cuni serpentinite zone or from the serpentinite to the east of the E.L.

7.2.5 In the eastern section of this part of the E.L. south-eastwards from the highway and along the Dundas road near 5363N towards Razorback Mine, the following sample results indicate the belt of rocks west and N.W. of Razorback Mine deserve follow-up work.

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SAMPLE NO.		NORTHING	Sn	Sb	W	Cu	Zn	Pb
602	597M	5362.7N	50	<30	<50	95	1200	1200
602	601M	5363.1N	50	<30	<50	10	150	130
602	542M	5363.7N	<50	<30	<50	20	230	90
	163M	"	20	-	-	20	50	70
	164P	"	1000	2000	200	100	2000	50
602	539M	5364.7N	<50	<30	<50	20	135	70
	162P	"	1000	2000	<50	100	1000	50
602	157M	5365.3N	40	<30	<50	45	50	20
	158P	"	2000	1000	-	30	1000	300

7.2.6 The samples are from streams almost entirely confined to the E.L. The Razorback - Grand Prize fault system trends N.N.W. and may indicate the trend of tin mineralisation. However, the distribution of the above anomalous drainage values apparently indicates tin mineralisation also occurs to the west of the main Razorback - Grand Prize fault which passes through both of these mines.

7.2.7 Thus tin drainage anomalies are indicated in panned concentrate samples in a broad zone westwards of the Razorback - Grand Prize fault line. The tin source zones need to be located and those sections within the E.L. grid tested.

Drainage and soil sampling reconnaissance work is recommended initially to locate the sources of the drainage anomalies indicated to date.

Samples should be checked for a range of elements as well as tin.

7.3 Samples 602 165-180: Area 1 - See Section 7.1
N.E. part of E.L. around line 5364N

Sample 602 171M (200 Sn) and 172P (1000 Sn) confirm the North Montezuma Grid in the vicinity of 5364N deserves further attention. This is discussed in Section 7.1.

Samples 602 165R, 511R, 512R and 516R contain high Pb-Sn-Sb-Ag values and are from a stratabound (?) jamesonite ($Pb_4FeSb_6S_{14}$) occurrence in dark carbonate shales.

High Zn and Pb drainage values from this zone are shown on DWG K555-6 and in Appendix I (see samples 602 165-180 and 602 193-213, which drain this grid).

7.4 Samples 602 181-192: Area 3 - Carbine Grid near central northern edge of the E.L. centred at 5364N/371E.

Associated Samples : 602 283-304 (Section 7.11)
602 422-455 (Section 7.22)

7.4.1 Weak Sn-Sb-W values are obtained in the general area in panned concentrate samples. Strong Pb-Zn drainage values are obtained in -80 mesh sediment samples, particularly in the N.E. part of the grid. These are associated with a carbonate rock unit.

7.4.2 The following results illustrate anomalous values obtained on the grid:-

SAMPLE NO.	NORTHING	Sn	Sb	W	Cu	Zn	Pb	Bi	Ag
602 285M	5363.7 N	<20	-	-	5	25	210	5	<1
286P	"	300	1000	500	20	1000	500	100	1
602 287M	5364.1 N	<20	-	-	30	160	120	10	<1
288P	"	200	1000	<50	30	1000	200	200	<0.1
602 289M	"	20	<30	<50	20	74	34	6	0.8
290P	"	200	1000	300	30	1000	300	200	<0.1
602 291M	5363.8 N	20	-	-	24	300	295	12	1.4
292P	"	200	<30	<50	50	<20	300	200	3
602 422M	5363.7 N	<20	<30	<50	200	70	120	30	0.2
423P	"	500	500	<50	100	100	100	300	2
602 430M	5364.2 N	20	<30	<50	60	450	1800	10	8
191P	"	100	100	<50	100	<20	1000	<1	3
602 431M	"	<20	<30	<50	35	440	400	10	2
602 190R	"	20	-	-	65	5000	3100	10	6
602 432F	"	<20	-	-	10	460	600	15	<1
602 065P	5365.3 N	300	30	2000	1000	<20	>10000	<1	<0.1

7.4.3 Samples 602 430-431M are particularly high in Zn-Pb-Ag for -80 mesh sediment samples. Sample 602 432F is a float boulder of finely banded grey dolomitic siltstone with sulphides.

In the north just outside the E.L. at 5365.3N/371.5E high Sn-W values are obtained in panned concentrate samples 602 068P and 602 065P. The source zone may extend into the E.L. Sample 602 065P also carries 300 ppm In which is at least X10 the average value obtained elsewhere.

Area 3 should be grid soil sampled and anomalous zones closed off with drainage sampling. Again, multi-element analyses are indicated.

7.5 Samples 602 193-213: Area 1 - South Montezuma North Grid in the vicinity of 5363N/373E (see Section 7.1 also)

Associated Samples: 602 466-492 (Section 7.24)
602 506-517 (Section 7.26)

7.5.1 Samples 602 193-213

In the group 602 193-213, tin values are low.

Moderate values for lead and zinc occur in a few samples such as 602 197M (135 Zn, 380 Pb). These drainage samples are from the northern part of the Montezuma North Grid.

Panned concentrate samples are low in Sn and other metals except for 5000 ppm Ba in 602 208P.

7.5.2 Samples 602 466-492 and 602 506-517: These groups of samples are from the North Montezuma Grid area in the vicinity of 5363N/373E. All are sieved drainage or rock chip samples and no panned concentrate samples are included.

Most of the drainage samples contain less than 20 ppm Sn. The only high tin value occurs in 602 508M (100 Sn, 65 Zn, 720 Pb, 3 Ag) on 5364N. This sample confirms high values obtained in 602 171M (200 Sn, 60 Cu, 110 Zn, 1700 Pb, 20 Bi, 13 Ag) and 602 172P (1000 Sn, 50 Sb) as mentioned in Section 7.1. Upstream, elevated Sn-Cu-Pb-Sb values are obtained from roch chip samples adjacent to (?) jamesonite occurrences. These occur as lenses of banded pyritic sulphide material enclosed in thin-bedded black dolomitic shales. The sulphides are stratiform. Sample 602 511R, 602 512R and 602 516R contain 1000-5000 ppm Sn, 2000-5000 ppm Cu, 30-50 ppm Zn, +1% Pb, 30-300 ppm Bi, 30-50 ppm Ag and 2000-3000 ppm Sb.

Both jamesonite ($Pb_4FeSb_6S_{14}$) and boulangerite ($Pb_5Sb_4S_{11}$) could be involved near 5364N/373E.

Near 5363N/373E, samples 602 466M, 467M and 489M are anomalous in Pb, Zn. Sample 602 466M (< 20 Sn, 120 Cu, 450 Zn, 760 Pb, 15 Bi, 160 Co) drains an old adit which contains Pb-Zn sulphides, apparently of limited extent. Nearby sample 602 467M (380 Zn, 210 Pb, 175 Co) is also from an anomalous short

drainage. Sample 602 490M (410 Zn, 270 Pb, 50 Co) is sited to the east on a short drainage.

7.5.3 Soil sampling and check panned concentrate samples in this general area seems warranted.

7.6 Samples 602 214-221: Area 4 - S.E. extension of Area 3 (Carbine Grid) in the vicinity of 5363.4N/ 371.3E, Dundas River.

Associated Samples: 602 456-465 (Section 7.23)
602 493-505 (Section 7.25)

7.6.1 Samples 602 214 t0 602 221 test the Dundas River and its tributaries near 5363.4N between 371.3E and 371.7E.

7.6.2 Sample 602 215P (300 Sn, 30 Cu, < 20 Zn, 50 Pb, 530 Bi, 1 Ag) in the Dundas River has comparable Sn values to 602 217P and 602 221P upstream, but Bi is appreciably higher.

7.6.3 Sample 602 218M (1700Sn) was not confirmed by panned concentrate sample 602 219P (100 ppm Sn) or subsequent follow-up samples 602 460M (< 20 Sn) or 602 461P (50 Sn) or 602 463-465M. The original analytical result for tin is considered to be unreliable.

Although check sampling was disappointing for tin, high Ag values were obtained in 602 461P (50 Sn, 200 Cu, 1000 Zn, 100 Pb, 200 Bi, 30 Ag, 1000 Sb, 50 W). Near-by chip sample 602 462F (50 Sn, 1000 Cu, 320 Zn, 560 Pb, 50 Bi, 7 Ag, 100 Sb) is from a highly pyritic shale outcrop. The zone appears to be worth checking further for silver.

7.7 Samples 602 222-231: South Montezume Grid in the vicinity of 5362N/373E.

Associated Samples: 602 305-312 (Section 7.12)
602 406-421 (Section 7.21)

7.7.1 Samples 602 222-231, 305-312, 406-421 are from the South Montezuma Grid area north of 5361.6N around 373E. All values are fairly low except for some moderate Pb-Zn values of around 200 ppm.

7.7.2 602 222M (80 Sn) was not confirmed by subsequent check sample 602 416M (< 20 Sn). Associated sample 602 223P (200 Sn) is weakly anomalous in Sn only. 602 307P (200 Sn, 50 Cu, 2000 Zn, 100 Pb, 100 Bi, 20 Ag, 50 Sb) is weakly anomalous. Sample 602 310P (3000 Zn, 20 Ag) is similar.

7.7.3 On the whole, values tend to down-grade the Montezuma Grid south of (say) 5362.5N.

7.8 Samples 602 232-249: Area 5 - Comet Creek, Ainslie Grid east of 5362.3N/372E.

Associated Samples: 602 250-258 (Section 7.9)
602 371-387 (Section 7.18)
602 392-405 (Section 7.20)

7.8.1 All tin values are less than 50 ppm Sn in this group except for 602 244M near 5362.3N/371.3E in which 400 ppm was recorded. Panned concentrate sample 602 245P (20 Sn) and subsequent check samples (602 373M etc.) did not substantiate this value and consequently it is regarded as being unreliable.

7.8.2 Sample 602 235P (5362.2N/372.2E) recorded 3000 ppm Ba in panned concentrates but all other metal values were low.

7.8.3 A number of samples draining the Ainslie Grid

near 5362N especially between 371E and 372E contain strong Pb-Zn values.

SAMPLE NO.	Cu	Zn	Pb	Bi	Ag
602 246M	80	450	370	15	1
387M	40	240	210	10	1
602 244M	15	900	130	10	< 1
373M	10	920	170	10	< 1
376M	10	980	125	5	< 1
377M	10	740	130	10	< 1
384M	20	1500	180	10	1
602 379M	50	560	320	5	1
602 380R	90	0.55%	0.29%	30	2
381R	20	0.15%	0.31%	40	7
602 392M	20	75	560	10	1
602 401M	60	290	160	10	1
602 232M	40	330	290	10	1
393M	20	200	180	10	< 1
602 504M	110	260	320	10	< 1

7.8.4 The anomalous zone deserves further attention. However, it should be borne in mind that many of the creeks sampled probably drain minor workings to the south. Anomalies are regarded as being 2nd or 3rd order only at this stage.

7.9 Samples 602 250-258: Area 5 - North. North Comet Grid in the vicinity of 5363N/371E.

7.9.1 Sn values are low as are other metals. Panned concentrate sample 602 255P (30 Sn, 100 Cu, 1000 Zn, 300 Pb, 100 Bi, 500 Sb) is slightly anomalous as is 602 257P (30 Sn, 50 Cu, 3000 Zn, 200 Pb, 200 Bi, 50 Sb). These values could indicate a weak extension northwards of the zone discussed in Section 7.8 (i.e. 602 232-249).

7.10 Samples 602 259-282: Area 5 in the vicinity of 5361-5362N/ 371-372E.

7.10.1 602 259-271: Adelaide Mine Creek : east part of E.L. near 5361N between 371E and 372E on the

Mariposa East grid.

All Sn values are low except 602 262P (100 Sn). Panned concentrate sample 602 262P contains 2000 ppm Ba.

The following sample pairs are anomalous in Pb-Zn.:-

SAMPLE NO.	Cu	Zn	Pb	Sb	Ag
602 267M	20	940	600	<30	1
268P	50	<20	>10000	2000	0.1
602 263M	10	145	300	-	0.6
264P	30	<20	200	500	0.5
602 269R	210	40%	3.5%	10	15

Sample 602 269R is from a pyritic-galena-sphalerite filled fracture zone.

7.10.2 602 272-282: Great South Comet and Kosminsky Mine environs near 5361.5N/371E along South Comet Creek.

All tin values are low except for 602 279P (200 Sn, 200 Sb). The associated sieved sediment sample is 602 278M (1500 Zn, 720 Pb, 2 Ag). Sample 602 276M carries 300 Zn.

7.10.3 As mentioned above, Area 5 needs re-evaluation of the numerous prospects in the general vicinity.

7.11 Samples 602 283-304: Area 3 - Carbine West - North Comet Grids near 5363N/370E (see Section 7.4).

7.11.1 602 283-284: Dundas River near 5363.2N/370.1E

The Dundas River drains numerous prospects and mine dumps. The high Pb-Zn-Ag values obtained in 602 283M are probably related to mine dump contamination.

7.11.2 602 285-304: Carbine West and North Comet Grid, Barker Creek eastwards from around 5363.5N/370.5E.

Many of the results from samples in the series 602 285 to 602 304 are discussed in Section 7.4. In general, weak Sn-Sb-W and stronger Pb-Zn values occur in the general area. These are demonstrated by samples 602 285 to 602 296. Samples 602 301M to 602 302P are probably contaminated by mill tailings (Maestries Mill?).

Sample 602 300P (500 Sn, 30 Ag, 500 Sb, < 50W) is not known to be contaminated although workings do occur further upstream. Even so, the high Ag value is promising.

7.11.3 As outlined in Section 7.4, Area 3 warrants immediate follow up grid soil sampling.

7.12 Samples 602 305-602 312: Montezuma South Grid in vicinity of 5362N/373E. These samples form part of a larger group discussed in Section 7.7.

No strongly anomalous values occur except for zinc in panned concentrates (draining Jdl - Jurassic dolerite). Sample 602 307P contains 200 ppm Sn which is probably not especially significent. Pb and Zn values to several hundered ppm occur in some samples but have doubtful significance.

7.13 Sample 602 313R: East South Comet Grid in vicinity of 5361.4N/371.2E (Area 5).

This sample of specularite-galena-pyrite-sphalerite gossan contains +1% Pb and Zn, 100 Sn, 30 Sb, 50 W and 30 Ag.

7.14 Samples 602 314-331: Area 6 - Mariposa South Grid, Climie Creek in vicinity of 5360N/371E.

Associated Samples: 602 349-353 (Section 7.16).

7.14.1 These groups of samples test the Mariposa South - Climie Creek and Mariposa West Grid areas. Climie Creek has been checked as far downstream as its junction with Dundas River, but further panned concentrate sampling is desirable.

7.14.2 The best values obtained in the two groups of samples are shown below in panned concentrate samples:-

SAMPLE NO.	Sn	Sb	W	Cu	Zn	Pb	Bi	Ag
602 314M	<20	<30	<50	20	140	200	10	1
315P	10	500	<50	10	100	100	100	<0.1
602 322M	<20	<30	<50	10	45	30	5	<1
323P	500	2000	200	100	1000	200	100	0.3
602 349M	<20	<30	<50	5	50	65	5	<1
350P	100	2000	100	50	1000	300	30	0.3

7.14.3 Sample 602 323P (500 Sn, 2000 Sb, 200 W) draining the Mariposa West Grid area warrants immediate attention. Other panned concentrate samples listed above show elevated Sb values.

The -80 mesh sediment sample analyses gave no indication of anomalous results in panned concentrates from the same site. This sample fraction may be ineffective in detecting anomalous Sn, Sb, W, etc. drainage sediments except where they are particularly strong.

7.14.4 In summary, the Mariposa West Grid warrants immediate attention as the anomalous panned concentrate sample 602 323P drains a Crimson Creek Formation/Oonah Quartzite and Slate contact area.

7.15 Samples 602 333-348: Area 7 - Westerway Creek commencing near 5359N/370E thence south-westwards to the highway.

Associated Samples: 602 610 (Section 7.37)
602 619-622 (Section 7.39)

7.15.1 Sample 602 334P is the only panned concentrate sample in the series 602 333-348. It contains 100 ppm Sn, 2000 Sb, < 50 W, 100 Cu, 1000 Zn, 300 Pb, 100 Bi, 0.3 Ag, 500 Cr. -20 mesh drainage sample 602 339 contains 50 ppm Sn.

7.15.2 Panned concentrate samples collected in Westerway Creek, near the Queenstown Highway yielded the following results (ppm):-

602 620P: 300 Sn, 3000 Sb, 1000 W, 100 Cu, 1000 Zn, 100 Pb, 100 Bi, 0.1 Ag, > 10000 Cr.
602 622P: 300 Sn, 3000 Sb, 300 W, 100 Cu, 1000 Zn, 100 Pb, 100 Bi, 0.1 Ag, 5000 Cr.

7.15.3 These results indicate Westerway Creek warrants some follow-up work, probably by panned concentrate sampling initially to check Sn-Sb-W anomalies.

Except for 50 ppm Sn recorded in 602 339M (-20 mesh) as mentioned above, sieved drainage sample results are low and again do not apparently support or provide an alternative to pan concentrate sampling.

7.16 Samples 602 349-353: Area 6 - Mariposa West Grid near 5360N/371E.

Results of interest are discussed in Section 7.14.

7.17 Samples 602 354-370: Area 7 - Tom Creek commencing in the vicinity 5359N/373E thence south-westwards to the highway.

Associated Samples: 602 544P (Section 7.30)
602 608M (Section 7.37)

7.17.1 The sample results set out below are weakly anomalous.

SAMPLE NO.	Sn	Sb	W	Cu	Zn	Pb	Bi	Ni	Co (ppm)
602 356M	20	<30	<50	5	90	60	5	5	<5
602 357M }	<20	<30	<50	5	80	55	10	15	15
358P }	50	<30	<50	10	2000	30	100	3	<5
602 360M	<20	<30	<50	25	330	150	15	140	150
602 363M	30	<30	<50	15	130	50	10	40	15
602 364M	<20	<30	<50	25	260	130	10	70	50
602 544P }	50	1000	<50	200	1000	100	200	20	<5
608M }	30	-	-	10	70	40	15	20	20

7.17.2 Samples 602 360M and 364M are weakly to moderately anomalous in Pb-Zn-Ni-Co and need checking. Sn-Sb-W values in nearby panned concentrates samples 602 358P and 361P however are low.

Panned concentrate sample 602 544P with 50 Sn, 1000 Sb, < 50 W is weak. However there are probably insufficient panned concentrate samples collected to date to evaluate the drainage conclusively.

7.18 Samples 602 371-387: Area 5 - Comet Creek, Ainslie Grid in vicinity 5362N/371E. Results are discussed in Section 7.8.

7.18.1 No panned concentrate samples were collected in the series 602 371 to 387. All -20/-80 mesh samples analysed contained less than 20 ppm Sn.

7.18.2 Strong Pb-Zn drainage anomalies are shown by a number of samples. Sample 602 373M (920 Zn, 170 Pb, 35 Co) drains a prospect east of Kosminski Hill as does 602 376M (980 Zn, 125 Pb), 602 377M (740 Zn, 130 Pb), 602 384 (1500 Zn, 180 Pb).

7.18.3 Recommendations are as for Section 7.8.

7.19 Samples 602 388-391: Comet-Kosminsky Grid in vicinity of 5362.7N/370E.

Sn values are low (< 30 ppm). Of note also are the low Cr values (up to 300 ppm Cr only), even though 602 389-391R are limonite samples mapped as occurring over serpentinite.

7.20 Samples 602 392-405: Area 5 - see Section 7.8. Comet Creek, Ainslie Grid in vicinity of 5362N/372E Pb-Zn drainage anomalies associated with 602 392M, 393M and 401M are discussed in Section 7.8.

7.21 Samples 602 406-421: South Montezuma Grid in vicinity of 5362.5N/373E. See Section 7.7.

All values are low except for some weak to moderate Pb-Zn values (602 416M-417M).

7.22 Samples 602 422-455: Area 3 (Section 7.4). Carbine East Grid in the vicinity of 5363.7N/371.4E.

7.22.1 General results have been discussed previously in Section 7.4.

(NB: No samples were allocated to numbers 602 439-449).

7.22.2 Anomalous sample results are outlined below. Sieved drainage samples are high in Pb-Zn in many instances.

SAMPLE NO.	Sn	Sb	W	Cu	Zn	Pb	Bi	Ag (ppm)
602 422M	< 20	< 30	< 50	10	70	120	10	< 1
423P	500	500	< 50	100	100	100	300	2
602 424M	< 20	< 30	< 50	40	270	720	10	3
425P	30	50	< 50	50	20	200	50	30
602 427M	< 20	-	-	50	380	960	10	4
602 430M	20	< 30	< 50	60	450	1800	10	8
602 431M	< 20	< 30	< 50	35	440	400	10	2
602 432F	< 20	-	-	10	460	600	15	< 1
602 450M	< 20	-	-	15	130	220	10	< 1
451P	30	500	< 50	50	20	100	100	< 0.1
602 454M	< 20	-	-	20	210	280	5	< 1

7.22.3 Sample 602 423P (500 Sn, 500 Sb) yielded the only moderately high Sn value. Other drainage samples are anomalous with respect to Pb-Zn-Ag. Panned concentrate sample 602 425P yielded 30 ppm Ag.

7.22.4 These northern tributaries of Concert Creek draining S.E. of Carbine Hill warrant checking by grid soil sampling, as mentioned in Section 7.4.

7.23 Samples 602 456-465: Area 4 - Dundas River tributaries S.E. of Carbine East Grid in the vicinity of 5363.4N/371.3E.

Results are discussed in Section 7.6.

7.23.1 Resampling to check 602 218M (1700 Sn) indicate the value is not repeatable presumably due to accidental contamination e.g. check sample results - 602 219P (100 Sn); 602 460M (30 Sn); 602 461P (50 Sn).

7.23.2 Panned concentrate 602 461P (50 Sn, 200 Cu, 1000 Zn, 100 Pb, 200 Bi, 30 Ag, 1000 Sb) is of some interest, especially when compared with the nearby float sample 602 462F (50 Sn, 1000 Cu, 320 Zn, 560 Pb, 50 Bi, 7 Ag) which is a highly pyritic shale probably derived locally.

The area is worth checking further, especially for silver.

7.24 Samples 602 466-492: Area 1 - South. North Montezuma Grid in the vicinity of 5363N/373E.

7.24.1 Results are discussed in Section 7.5. The main anomalous samples and values are set out below:-

SAMPLE NO.	Sn	Cu	Zn	Pb	Bi	Ag	Ni	Co
602 466 M	< 20	120	450	760	15	1	130	160
602 467 M	< 20	60	380	210	10	1	180	175
602 490 M	20	30	410	270	10	< 1	80	50

These samples are highly anomalous in Pb-Zn and carry high Ni-Co values. Sn values are subdued.

7.24.2 The area is of secondary importance but could be grid soil sampled after the main part of Area 1 is covered.

7.25 Samples 602 493-505: On the old Moores Pimple track (North Montezuma Grid) going westwards from the vicinity of 5362.8N/372.9E.

7.25.1 Sn values do not exceed 20 ppm. -80 mesh sediment sample 602 504M (< 20 ppm Sn, 110 Cu, 260 Zn, 320 Pb, 10 Bi, 50 Co) near 5362.6N/371.6E on the Ainslie Grid is of some interest. Downstream, in sample 602 255P a value of 500 ppm Sb was recorded.

7.25.2 Anomalies appear to be of third order significance unless they can be related to mineralised zones.

7.26 Samples 602 506-517: Area 1 - Northern section of North Montezuma Grid in the vicinity of 5364N/372.6E, near the North Montezuma road.

Results are discussed in Sections 7.1 and 7.5.2.

7.26.1 Lensoidal banded pyritic grey sulphides occur in thinly bedded black dolomitic shales. The bodies appear to be stratiform. Jamesonite ($Pb_4FeSb_6S_{14}$) and/or boulangerite ($Pb_5Sb_4S_{11}$) are believed to be involved.

Samples 602 511R, 512R and 516R sampled the sulphides and adjoining shales. They contain 1000-5000 ppm Sn, 2000-5000 Cu, 30-50 Zn (only), +1% Pb, 30-300 Bi, 30-50 Ag and 2000-3000 Sb.

7.26.2 Sample 602 508M (100 Sn, 40 Cu, 65 Zn, 720 Pb, 5 Bi, 3 Ag) confirms the initial results from sample 602 171M (200 Sn, 60 Cu, 110 Zn, 1700 Pb, 20 Bi, 13 Ag) and 602 172P (1000 Sn, 50 Sb).

7.26.3 Soil sampling is recommended - see Section 7.1.

7.27 Samples 602 518-532: Area 2, Cuni Area north of line 5366N in the vicinity of 5368N/366.7E. General results are discussed in Section 7.2.

7.27.1 Samples 602 518-527 were taken in the northern part of the E.L. around 366.5E just south of 5368N. They include drainage samples and rock chip samples from old prospects. All drainage samples are from short streams entirely within the E.L. Anomalous samples are listed below.

7.27.2 Samples 602 528R to 602 532R are all rock chip samples collected from old workings near 5366.1N/366.4E.

The Sn-Pb anomalous results were obtained from -80 mesh samples in the north (602 518-520M, 527M). Rock chip samples from old prospects in addition to yielding the expected high Cu-Ni values also yielded anomalous Sn-Zn-Pb-Cr values. These are illustrated below:-

SAMPLE NO.	Sn	Sb	W	Cu	Zn	Pb	Ni	Cr
602 518 M	< 50	<30	< 50	50	35	320	10	30
602 519 M	50	<30	<50	15	125	25	15	35
602 520 M	50	<30	<50	25	110	45	20	30
602 527 M	< 50	<30	<50	140	110	1000	15	45
602 524 R	3	30	50	5000	200	500	300	100
602 525 R	50	-	-	2400	700	1800	960	800
602 526 R	300	100	<50	5000	+1%	+1%	100	50
602 528 R	< 1	<30	<50	+1%	300	50	1000	50
602 529 R	300	<30	<50	200	300	1000	100	50

7.27.3 Results suggest the area is prospective for tin as well as the expected Cu-Ni and Pb-Zn which occurs in old workings.

7.28 Samples 602 533-538: Confidence Saddle and along the North Dundas Tramway in the vicinity of 5367.8N/371.3E.

7.28.1 Rock chip sample 602 534R (1000 Sn, 100 Cu, 30 Zn, 1000 Pb, 3 Ag) is from a quartz-veined, grey siliceous (?) hornfels occurring above a serpentinite contact with (?) Hodge Slate (or Razorback Conglomerate). The high tin and stratigraphic position suggest similarities with Razorback Mine and this aspect needs further attention.

The sample is close to the E.L. boundary.

7.29 Samples 602 539-543: Area 2 - Cuni Area. Southwards along the main highway from the vicinity of 5364.8N/367E towards the Zeehan Highway - Dundas Road junction. General results are discussed in Section 7.2.

7.29.1 The chemical analyses outlined below are from drainage samples entirely or almost entirely within E.L. 15/76.

SAMPLE NO.	Sn	Sb	W	Cu	Zn	Pb	Ba
602 539M	< 50	< 30	< 50	20	135	70	-
161M	150	< 30	< 50	10	50	30	-
162P	1000	2000	< 50	100	1000	50	< 30
602 542M	< 50	< 30	< 50	20	230	90	-
163M	20	-	-	20	50	70	-
164P	1000	2000	200	100	2000	50	1000

7.29.2 While the tin value of 602 539M (< 50 Sn) does not check with the initial sample 602 161M (150 ppm Sn), panned concentrate sample 602 162P at this site is anomalous (1000 Sn, 2000 Sb). Sample 602 164P (1000 Sn, 2000 Sb, 200 W, 1000 Ba) is moderately anomalous also.

7.29.3 The anomalous tin values indicate the drainage

areas of these two creeks deserve follow-up work aimed at locating and checking the stanniferous and high Pb-Zn source rocks.

7.30 Samples 602 544-602 552: Area 7. From Tom Creek southwards along the Queenstown Highway commencing near 5357N/370E.

Results from some of these samples are discussed in Sections 7.17.

7.30.1 The analyses of the more anomalous samples are listed below.:-

SAMPLE NO.	Sn	Sb	W	Cu	Zn	Pb	Bi	Ag	Cr	Ti	F (ppm)
602 608M	30	< 30	< 50	10	70	40	15	< 1	15	-	280
544P	50	1000	< 50	200	1000	100	200	1	1000	> 10000	-
602 545M	< 50	< 30	< 50	15	40	30	10	< 1	130	-	260
546P	100	3000	500	100	1000	100	100	1	> 10000	> 10000	-
602 548R	100	-	-	20	15	40	70	2	10	-	280
602 552R	< 50	-	-	195	60	220	15	1	140	-	1500

7.30.2 Panned concentrate sample 602 544P (1000 Sb, 1000 Zn, 1000 Cr) indicates Tom Creek may be of interest. Similarly for 602 546P (100 Sn, 3000 Sb, 500 W, 1000 Zn) from Berry Creek. The high Cr values in both samples infer serpentinites may occur upstream and presumably extend southwards from Dundas to 5357N at least.

High Ti values indicate ilmenite may be "diluting" the heavy mineral content compared with other panned concentrate samples elsewhere on the E.L.

7.30.3 Chip sample 602 548R from Gordon Limestone outcrop in Berry Creek contains 100 ppm Sn, 70 Bi and 280 F. These values are high for an unaltered limestone but the implications for mineralisation are unclear.

Chip sample 602 552R is from black pyritic silty carbonate at the top of the Gordon Limestone directly below the Crotty Quartzite. It contains 220 Pb and 1500 F. Samples from similar material in the same zone 1.5 km N.W. along the highway also contain elevated Pb-F, e.g. 602 611F (370 Pb) and 602 613 (180 Pb, 2200F).

7.30.4 Both Berry and Tom Creek require further closer spaced drainage sampling.

The top of the Gordon Limestone needs further investigation for Pb-F potential.

7.31 Samples 602 553-569: Area 7 - Howards Road in the vicinity of 5358N/375E westwards along the road and Farrell River to the Queenstown Highway.

Associated Samples: 602 583-586 near 5355N/371.6E
602 605-607 near 5355.5N/371E to 5356.5N/370E

7.31.1 Panned concentrate values for Sn-Sb-W are anomalous, possibly indicating the complex sulphides (tetrahedrite-jamesonite-boulangerite, etc.) environment as in the N.E. of the E.L. Results of anomalous panned concentrate and associated -80 mesh samples from the same site are set out below:-

SAMPLE NO.	Sn	Sb	W	Cu	Zn	Pb	Ag	Cr	Ti	F (ppm)
602 556M	<50	<30	<50	15	70	40	<1	60	-	380
557P	100	2000	<50	100	1000	100	0.5	200	>10000	-
602 560M	<50	<30	<50	20	145	60	1	50	-	-
561P	100	2000	200	30	1000	100	0.5	2000	200	-
602 563M	<50	<30	<50	10	70	25	<1	80	-	220
564P	200	2000	300	20	1000	100	20	2000	1000	-
602 565M	<50	<30	<50	10	65	30	<1	30	-	340
566P	200	2000	500	30	2000	100	0.5	2000	2000	-
602 583M	<50	<30	<50	10	50	30	<1	20	-	260
584P	300	2000	50	100	1000	100	0.3	1000	2000	-

7.31.2 The elevated Sn-Sb-W values indicated in the above panned concentrate samples indicate much of the area east of the Queenstown Highway is worth checking further.

7.31.3 Of more immediate interest is sample 602 564P near 5356N/373E which is highly anomalous with respect to silver (20 ppm Ag) as well as anomalous in Sn-Sb-W.

7.31.4 Elevated Cr values in some samples suggest the serpentines may extend southwards from Dundas into this area. This may have stratigraphic significance and consequent mineralisation implications.

7.31.5 The area requires further drainage sampling to locate the source of the anomalies. Sample 602 564P deserves to be followed up immediately.

7.32 Sample 602 570R: Queenstown Highway, in cutting on the south edge of the E.L. near 5351N/372.6E. Rock chip sample 602 570R (50 Sn, 95 Cu, 80 Zn, 25 Pb, 40 Bi, 2 Ag, 280 F) is mapped as a basic volcanic in the Dundas Group on the Zeehan 1-Mile Sheet.

7.33 Samples 602 571-582: Mariposa Mine vicinity near 5358.5N/367.5E.

7.33.1 Samples 602 575-577R are limestone, limonite and carbonate-galena samples from the Mariposa Mine which occurs in Gordon Limestone. The samples show elevated Pb-Zn-Ag but other element contents are low to moderate.

7.33.2 The only anomalous -80 mesh drainage sample is 602 582M (300 Zn, 185 Pb) directly below a prospect a few hundred metres east of the Mariposa Mine. Other sieved samples draining the general vicinity did not yield noticeably anomalous results.

On the whole, chemical analyses of sieved drainage samples appear unlikely to detect Pb-Zn in Gordon Limestone because the limestone usually forms boggy ground along valleys or subdued outcrops at best. Panned concentrate sampling has not yet been tried in this environment.

7.33.3 Further study of the Gordon Limestone as a potential host of Pb mineralisation is required. Further orientation geochemical work in this environment is necessary.

7.34 Samples 602 583-586: Area 7 - Farrell River in the vicinity 5355N/371.6E.

These samples have been discussed in Section 7.31. Panned concentrate sample 602 584P yielded 300 Sn, 2000 Sb, 50 W, 1000 As while associated -80 mesh sample 602 583M contained 260 ppm F. Follow-up drainage sampling is indicated.

7.35 Sample 602 587-604: Area 2 - Dundas area in the vicinity of 5363N/369.3E then westwards along the Dundas road towards the Queensltown Highway.

These samples were discussed generally in Section 7.2.

7.35.1 No panned concentrate samples were taken in this group, which consists entirely of sieved drainage samples. The samples test the drainages off the N.W. extensions of the Razorback Mine host rocks.

7.35.2 Sample 602 594M (680 Sn, 110 Cu, 4200 Zn, 2600 Pb, 25 Bi, 9 Ag, 350 Ni, 40 Co, 1700 Cr) represents contamination in Dundas River from the Razorback Mine.

7.35.3 Sample 602 597M (50 Sn, 95 Cu, 1200 Zn, 1200 Pb, 50 Co) is from a creek containing cobbles of

a medium grained quartz-feldspar-chlorite (?) volcanic and chloritic silty (?) tuff. As a priority it needs checking for both Sn and acid volcanic-derived sulphides.

7.35.4 Sample 602 598M (< 50 Sn, 185 Zn, 190 Pb, 50 Co) and 602 601M (50 Sn, 150 Zn, 130 Pb) are also worth checking further.

7.35.5 This group of samples supports results from 602 098P, 136P, 138P, 158P, 162P, 164P (see Section 7.2). They indicate the zone N.W. of Razorback Mine is worth testing further for tin and possibly sulphides in acid volcanics.

Follow-up work will involve further panned concentrate drainage sampling and close-spaced drainage silt sampling. Reconnaissance soil sampling lines will be required also.

7.36 Sample 602 605-607: Area 7 - Farrell River tributaries in the vicinity of 5355.5N/371E to 5356.5N/370E.

Results are discussed in Section 7.31.

No anomalous values occur in these sieved drainage samples.

7.37 Samples 602 608-615: Area 7 - Tom Creek in vicinity of 5357N/370E then N.W. adjacent to the highway to 5357.6N/368.8E.

Sample 602 608M - see Section 7.17.

7.37.1 Sample 602 609M with 520 ppm Cr drains undifferentiated Dundas Group rocks and possibly indicates the presence of serpentinites. However 602 614M with 4400 ppm Cr apparently drains Silurian Crotty Quartzite and Gordon Limestone as does 602 615M (105 ppm Cr). The high Cr values in these samples

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appears unusual for a quartzite-limestone source area which normally would not contain high chromite concentrations. Possibly high level gravels with detrital chromite occur in the drainage basin.

7.37.2 Sample 602 613R (180 Pb, 2200 F) is from black pyritic silty material between Crotty Quartzite and the underlying Gordon Limestone. The high Pb-F values suggest the horizon is worth checking further - possibly on a regional scale. A similar sample is discussed in Section 7.30 (602 552R).

7.38 Samples 602 616-618 - Near the Zeehan Highway/ Queenstown Highway junction in the vicinity of 5362N/366.5E.

None of these sieved drainage samples are anomalous.

7.39 Samples 602 619 622: Area 7 - Westerway Creek in the vicinity of 5357.5N/369.7E. Results are discussed in Section 7.15.

7.39.1 Panned concentrate samples 602 620P (300 Sn, 3000 Sb, 1000 W) and 602 622P (300 Sn, 3000 Sb, 300 W) indicate a possible potential in Westerway Creek and the creek immediately to the south of it.

7.39.2 Drainage follow-up sampling is warranted.

7.40 Samples 602 623-624: Mariposa Creek in vicinity of 5359.3N/368E.

7.40.1 These sieved samples show no anomalous values. Panned concentrate sampling could be useful in view of sample 602 323P (500 Sn, 2000 Sb, 200 W) at 5360.2N/ 369.3E to the N.E. and 602 334P (100 Sn, 2000 Sb) to the east at 5359.5N/370.6E.

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7.40.2 Follow-up panned concentrate drainage sampling is required to test this drainage adequately.

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at 5363.4N/373.2E. Strong Sn-Sb-W values were obtained in panned concentrate samples, e.g. 602 061P, 602 076P, 602 089P, 602 092P and 602 172P, with values to +10,000 ppm Sn, +10,000 ppm Sb and 2000 ppm W.

8.4.3 Area I deserves closer spaced drainage sampling and soil sampling (see Section 7.1).

8.5 Area 2

8.5.1 N.W. part of the E.L., north of line 5363N and the Dundas Road and west of line 369E and Razorback Mine.

8.5.2 Area 2 includes the N.W. extensions of host rocks of the Razorback Tin Mine, the Cuni Cu-Ni prospects and a number of Pb-Zn prospects in the Cuni area.

Drainages are highly anomalous with respect to tin, much of which may originate outside the E.L. from the vicinity of the Grand Prize Tin Mine (see DWG K555-6). However short drainages confined to the E.L. also carry stanniferous sediment. These indicate cassiterite may occur in rocks within the E.L. in the Cuni area and in rocks N.W. and west of Razorback Mine.

8.5.3 Reconnaissance soil sampling traverses and close spaced drainage sampling are warranted in order to locate the sources of the tin anomalies (see Section 7.2).

8.6 Area 3

8.6.1 In the central northern part of the E.L. east of Razorback Mine and S.E. of Carbine Hill, between line 5363N and the E.L. border and straddling (say) line 371E on the old Texin's Carbine Grid.

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8.6.2 Sieved drainage samples are anomalous in Pb-Zn with up to 450 ppm Zn and 1800 ppm Pb. Panned concentrate samples carry enhanced Sn-Sb-W values up to several hundred ppm. Carbonate rocks of the Dundas Group occur in the general area.

8.6.3 Area 3 deserves follow-up work, initially by soil sampling on the old Carbine Grid and close spaced drainage sampling to close-off anomalous zones. The area is discussed in Section 7.4

8.7 Area 4

8.7.1 S.E. of Area 3 in a creek draining N.W. through 5363.4N/371.7E into Dundas River.

8.7.2 Anomalous silver values were recorded in chip sample 602 462F (10 ppm Ag) while adjacent panned concentrate sample 602 461P (30 Ag, 1000 Sb) is also anomalous.

8.7.3 The zone requires checking by drainage, soil and rock chip sampling. It may be an extension southwards of Area 3 mineralisation.

8.8 Area 5

8.8.1 A number of high Pb-Zn values were obtained in drainages on the Ainslie and East South Comet Grids southwards of 5362.5N between 371E and 372E. These are adjacent to and to the east of various leases held by other parties over the South Comet-Kosminsky Mines.

Results are described in Sections 7.8, 7.9, 7.18 and 7.20.

8.8.2 The general area requires further prospecting which should be guided by a study of past work done on the South Comet and Kosminsky Mines by Geophoto Resources Limited and other companies.

8.9 Area 6

8.9.1 Heavy mineral panned concentrate sample 602 323P (500 Sn, 2000 Sb, 200W - ppm) at 5360.2N/369.3E was collected in a tributary of Climie Creek. The tributary apparently drains Brewary Junction and Fernfield Formation in the Mariposa West Gold area and possibly a Crimson Creek/Oonah Formation contact area.

8.9.2 The drainage basin is worth checking further for Sn-W mineralisation. Initial work would involve close spaced drainage sampling and perhaps reconnaissance soil sampling traverses.

8.10 Area 7

8.10.1 Widely spaced panned concentrate sampling of major creeks has defined a large area of interest east of the Queenstown Highway, southwards of Mariposa Creek to the Howards Road-Farrell River area. Chemical analyses of heavy mineral concentrates indicate anomalous values of Sn-Sb-W-Ag occur similar to those in drainages in the Dundas area to the north. In general the results set out below indicate closer spaced drainage sampling is warranted in order to more closely define anomaly sources. No old workings are known in the headwaters of the sampled creeks.

8.10.2 The following panned concentrate samples taken from creeks draining across the highway and close to Howards Road define the anomalous area.

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8. CONCLUSIONS

8.1 Chemical analyses of drainage samples indicate the following elements are often present in anomalous concentrations: Sn, Cu, Zn, Pb, Bi, Ag, Ni, Co, Cr, Ba, Sb, W, F. The tuffaceous nature of much of the Dundas Group, the occasional occurrence of complex sulphides (jamesonite etc.) in these units plus actual element associations in individual samples indicate mineralisation in these rocks is probably of acid volcanic origin.

8.2 High values of Sn-Sb-W-Ag occur in panned concentrate samples draining the general vicinity of known occurrences of complex Pb-Sb sulphides (jamesonite etc.) in the Dundas area. By extrapolation, high values of Sn-Sb-W in heavy mineral concentrates elsewhere imply a similar complex sulphides source in an acid volcanic/volcanoclastic environment.

Sparse panned concentrate sampling results infer this environment extends southwards from the Dundas area to at least Howards Road.

8.3 Results from drainage silt and panned concentrate sampling indicate the areas listed below warrant follow-up work. Sample results referred to are listed in Appendix I and sample locations on DWGs K555-6 and K555-7. The general locations of the areas are shown on Figure 2.

The results are discussed in more detail in Section 7. Table I provides a key to areas discussed in Section 7.

8.4 Area I

8.4.1 N.E. part of the E.L. between 5364N-5366.5N straddling line 373E and Montezuma Fault. The area contains a number of Pb-Zn-Ag-Bi prospects such as Frazers, Curtain-Davis, Evendon, Hecla, etc.

8.4.2 Strong Sn values were obtained in some sieved sediment samples such as 602 091M (4000 ppm Sn)

SAMPLE NO.	Sn	Sb	W	Ag	Cr (ppm)	LOCATION
602 620 P	300	3000	1000	0.1	>10000	Westerway Creek 5357.7N/369.7E
544 P	50	1000	< 50	1	1000	Tom Creek
546 P	100	3000	500	1	>10000	Berry Creek 5356.6N/370.4E
584 P	300	2000	50	0.3	1000	Tributary of Farrell R. 5355.3N/371.7E
566 P	200	2000	500	0.5	2000	Farrell River 5356.2N/372.8E
564 P	200	2000	300	20	2000	Tributary of Farrell R. 5356N/372.9E
561 P	100	2000	200	0.5	2000	Tributary of Farrell R. 5356.3N/373.8E
557 P	100	2000	< 50	0.5	200	- 5357.8N/375.2E

8.10.3 Sample 602 564P with 20 ppm Ag obviously deserves priority attention. Sample 602 620P is high in W, and represents another drainage worth immediate checking to establish the type of anomaly source. The other creeks can then be checked with this data as a guide.

8.10.4 High Cr values indicate serpentinites may extend further to the south of Dundas than is shown on the 1:63,360 geological map. The serpentines are crudely stratiform and proximal to mineralisation in the Dundas area. Thus they provide a guide to possible mineralised horizons.

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APPENDIX I

DRAINAGE SAMPLES : CHEMICAL ANALYSES OF ALL SAMPLES AND SAMPLE FRACTIONS

PACMINEX (PTY. LTD.) — SAMPLE DATA SHEET

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AREA EL 15/76 | PROSPECT NUMBER 602 | DATE SAMPLED 1977 | LABORATORY REPORT NO. | ANALYTICAL METHOD A.A.S and Emission Spec.

STATE TAS | LOCATION Dundas | 1:100,000 SHEET 7914 Pieman | SAMPLER P.MacNamara

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

ADDITIONAL: -80 mesh : A.A.S; h.m. cons. and -20 mesh : Emission Spec.

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (INCHES / MICRONS)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	V	Ti	Zr	P	B	Mn	Ca	Ba	Weight (mgs)	LOCATION E/W	N/S
602001	R		20	250	80	45	20	2															
602002	R		30	280	160	70	15	5															
602003	M	-80	<50	10	150	20	10	<1															
		-20																					
+ 602004	P		3000	1000	1000	100	300	<0·1	<3	50	30	>10000	300	>10,000	5000	3000	3000	500	1000	300	146		
602005	R		20	125	700	200	15	1															
602006	M	-80	<50	35	55	70	10	1															
		-20																					
602007	M	-80	50	1600	150	125	20	3															
		-20																					
602008	R		<20	680	95	80	20	2															
602009	M	-80	<50	20	90	70	10	1															
		-20	20	30	30	30	20	<0·1	<3	10	<5	30						100	100	300			
602010	M	-80	<50	120	105	480	10	3															
		-20	20	100	30	100	20	<0·1	<3	3	<5	20						50	50	50			
602011	R		60	75	110	30	10	1															
602012	L		50	320	180	100	40	8															
602013	M	-80	<50	5	30	45	5	<1															
		-20																					
602014	M	-80	50	30	45	50	5	1															
		-20																					
602015	M	-80	50	80	70	160	10	1															
		-20																					
602016	R		20	30	260	95	10	1															
+ 602017	P		>10000	2000	1000	300	200	<0·1	<3	30	5	300	50	>10,000	5000	3000	1000	300	1000	1000	1019		
602018	M	-80	<50	10	25	20	10	<1															
		-20																					
602019	M	-80	50	20	40	20	15	1															
		-20																					
602020	M	-80	100	20	55	25	10	1															
		-20	30	100	100	10	30	0·3	<3	10	<5	30						100	300	300			
602021	L		120	230	860	5800	350	17															
602022	R		600	360	220	600	250	13															
602023	M	-80	600	350	400		300	1															
		-20																					
+ 602024	P		>10,000	200	100	300	<1	<0·1	<3	100	20	3000	50	>10000	3000	5000	3,000	300	500	200	995		
602025	M	-80	1000	50	200	200	100	<1															
		-20																					
+ 602026	P		>10000	200	100	3000	<1	<0·1	<3	20	<5	200	50	>10000	3000	3000	2000	300	500	300	610		
602027	L		80	5000	20	70	20	4															
+ 602028	P		>10000	300	1000	200	200	<0·1	<3	30	<5	100	<10	>10000	1000	1000	5000	200	100	>10000	2980		
602029	M	-80	2000	55	1000	30	20	1															
		-20																					
602030	M	-80	750	60	30	20	10	<1															
		-20																					

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

184060

059

AREA EL 15/76 PROSPECT NUMBER 602 DATE SAMPLED 1977 LABORATORY REPORT NO. AAS/ Emission Spec.

STATE TAS LOCATION Dundas 1:100,000 SHEET 7914 Pieman SAMPLER P.MacNamara ANALYTICAL METHOD

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

ADDITIONAL AAS : -80 mesh; Emission Spec : -20 mesh and heavy Mineral Panned Conc

SAMPLE NUMBER	SAMPLE TYPE	APERTURE (mesh) (microns)	CHEMICAL ANALYSES (ppm) Sb	Mo	W	F	In	Cd	Nb	As	Hg	U_3O_8	La	Y	LOCATION E/W	N/S
602001	R															
002	R															
003	M	-80														
		-20														
004	P		3000	< 3	500		50	< 3	< 20	5000	< 30		< 100	500		
005	R															
006	M	-80														
		-20														
007	M	-80														
		-20														
008	R															
009	M	-80														
		-20	< 30	< 3	< 50											
602010	M	-80														
		-20	< 30	< 3	< 50											
011	R															
012	L															
013	M	-80														
		-20														
014	M	-80														
		-20														
015	M	-80				340						4				
		-20														
016	R															
017	P		3000	< 3	500		50	< 3	< 20	> 10,000	< 30		< 100	300		
018	M	-80														
		-20														
019	M	-80														
		-20														
602020	M	-80														
		-20	< 30	< 3	< 50											
021	L															
022	R															
023	M	-80														
		-20														
024	P		100	< 3	1,000		100	< 3	< 20	> 10000	< 30		< 100	100		
025	M	-80														
		-20														
026	P		200	< 3	1,000		100	< 3	< 20	> 10000	< 30		< 100	200		
027	L															
028	P		300	< 3	1,000		50	< 3	< 20	> 10,000	< 30		< 100	100		
029	M	-80														
		-20														
602030	M	-80														
		-20														

PACMINEX (PTY. LTD.) — SAMPLE DATA SHEET

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050

AREA EL 15/76 PROSPECT NUMBER 602 DATE SAMPLED LABORATORY REPORT NO. ANALYTICAL METHOD

STATE TAS LOCATION Dundas 1:100,000 SHEET 7914 SAMPLER

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

ADDITIONAL P = heavy mineral Panned concentrate.

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (microns)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	V	Ti	Zr	P	B	Mn	Ca	Ba	Weight (mg)	LOCATION E/W	N/S
																					2320		
+ 602031	P		>10,000	30	<20	30	<1	<0.1	<3	50	20	>10,000	500	>10000	2000	1,000	1000	>10,000	>10,000	2,000			
032	R		4500	420	20	30	60	2															
033	M	-80	100	20	55	20	10	<1															
		-20																					
+ 034	P		>10,000	100	10,000	300	300	<0.1	<3	30	<5	300	200	1000	1000	3000	>10000	100	<100	2000	1075		
+ 035	P		3000	50	1000	100	300	<0.1	<3	50	20	3,000	200	>10000	5000	3000	5,600	>10,000	2000	500	2955		
036	R																						
037	M	-80	<50	35	200	80	10	1															
		-20																					
+ 038	P		10,000	50	20,000	100	100	<0.1	<3	50	10	3000	300	>10,000	1,000	3,000	5000	500	3000	300	1457		
039	L		50	520	860	370	10	1															
602040	R		<20	250	40	20	<5	1															
+ 041	P		5,000	50	2,000	2000	100	<0.1	<3	50	10	>10,000	500	>10000	>10,000	3,000	5,000	>10,000	<100	1000	128		
042	M	-80	<50	20	185	165	10	1															
		-20																					
043	M	-80	<50	20	85	40	20	<1															
		-20																					
+ 044	P		1,000	50	10,000	200	30	<0.1	<3	30	<5	300	30	>10000	5,000	1000	3000	300	100	300	230		
045	R		<20	160	380	200	20	2															
046	M	-80	<50	10	50	40	15	<1															
		-20																					
+ 047	P		1,000	20	2,000	1000	50	<0.1	<3	30	30	300	30	>10000	5,000	1000	3000	100	100	500	198		
048	R		680	30	260	90	10	2															
049	M	-80	<50	25	70	95	25	1															
		-20	<1	30	<20	20	30	0.1	<3	3	<5	<20						50	50	200			
050	P	-80	<50	20	35	75	10	<1															
051	M	-80	100	25	70	110	15	1															
		-20																					
+ 052	P		>10,000	30	1,000	1000	20	<0.1	<3	30	10	300	30	>10000	3000	5000	3000	100	100	500	156		
+ 053	P		200	<0.5	<20	<1	<1	<0.1	<3	50	30	5000	500	>10,000	1000	>100	100	300	100	500	808		
054	L		2100	1700	1100	21000	720	540															
055	R		3700	80	85	60	35	3															
+ 056	P		500	50	<20	50	<1	<0.1	<3	<3	<5	20	<10	5000	500	1000	300	300	100	500	118		
057	R		2700	2100	560	10000	720	380															
058	R		80	210	2900	800	10	9															
059	R		50	10	2600	13000	20	14															
602060	M	-80	<20	20	40	120	10	<1															
		-20	20	30	30	50	50	<0.1	<3	3	<5	20						50	50	200			
+ 061	P		1000	30	1000	100	<1	<0.1	<3	10	10	200	10	>10000	500	1000	200	300	100	500	356		
062	M	-80	<20	20	200	430	15	1															
		-20																					
+ 063	P		1,000	30	1000	30	100	<0.1	<3	100	10	300	50	5000	500	2000	300	>10000	<100	500	340		
064	M	-80	<20	20	150	1200	10	5															
		-20	30	100	100	200	50	1	<3	10	<5	20						500	100	300			
+ 602065	P		300	1000	<20	>10,000	<1	<0.1	<3	30	<5	20	50	300	<100	>10,000	100	5000	<100	1000	2155		

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

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061

AREA EL 15/76 | PROSPECT NUMBER | DATE SAMPLED | LABORATORY REPORT NO. | NOTATIONS: SAMPLE TYPE – M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock, Please state element | ADDITIONAL P: bromoform separated Panned Concentrates.

STATE TAS LOCATION Dundas | 1:100,000 SHEET | SAMPLER | ANALYTICAL METHOD A.A.S: – 80 mesh Emission Spec: –20 mesh, Panned cons. | ANALYSES:

SAMPLE NUMBER	SAMPLE TYPE	APERTURE (SIEVE) MICRONS	CHEMICAL ANALYSES (ppm) Sb	Mo	W	F	In	Cd	Nb	As	Hg	U_3O_8	La	Y	LOCATION E/W	N/S
602031	P		<30	<3	2000		<5	<3	<20	>10,000	<30		<100	100		
032	R															
033	M	-80														
		-20														
034	P		2000	<3	>10000		50	<3	<20	>10000	<30		<100	<10		
035	P		2000	<3	5000		50	<3	<20	5000	<30		<100	500		
036	R															
037	M	-80														
		-20														
038	P		1000	<3	3000		50	<3	<20	5000	<30		<100	<10		
039	L															
602040	R															
041	P		1000	<3	3000		50	<3	<20	>10,000	<30		<100	100		
042	M	-80														
		-20														
043	M	-80														
		-20														
044	P		1000	<3	500		<5	<3	<20	3000	<30		<100	100		
045	R															
046	M	-80														
		-20														
047	P		2000	<3	1,000		<5	<3	<20	3000	<30		<100	100		
048	R															
049	M	-80														
		-20	<30	<3	<50											
050	P															
051	M	-80														
		-20														
052	P		1000	<3	1,000		50	<3	<20	>10,000	<30		<100	500		
053	P		1000	<3	3,000		<5	<3	<20	50	<30		<100	<10		
054	L															
055	R															
056	P		<30	<3	300		<5	<3	<20	1000	<30		<100	<10		
057	R															
058	R															
059	R															
602060	M	-80														
		-20	<30	<3	<50											
061	P		1000	<3	1000		10	<3	<20	1000	<30		<100	<10		
062	M	-80														
		-20														
063	P		2000	<3	3000		30	<3	<20	1000	<30		<100	<10		
064	M	-80														
		-20	<30	<3	<50											
602065	P		30	<3	2000		300	<3	<20	1000	<30		<100	<10		

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

184063

062

AREA EL 15/76 PROSPECT NUMBER 602 DATE SAMPLED 1977 LABORATORY REPORT NO.

STATE TAS LOCATION Dundas 1:100,000 SHEET 7914 SAMPLER P. Macnamara ANALYTICAL METHOD

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

ANALYSES: Please state element

ADDITIONAL N.D - N.S Determin. P: bromoform separated heavy minerals

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (METRES) MICRONS	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	V	Ti	Zr	P	B	Mn	Ca	Ba	Weight (mgs)	LOCATION E/W	N/S
602066	L		30	60	1,000	1,500	15	2															
067	M	-80	<20	10	175	220	5	<1															
		-20																					
+ 068	P		200	30	50	100	<1	<0.1	<3	3	<5	100	50	300	<100	2000	50	300	<100	500	757		
069	R		1.00	140.0	1750.0	1,000	1.0	37															
602 070	L		30	35	200.0	120.0	1.0	1															
+ 071	P		50	30	<20	100	<1	<0.1	<3	5	<5	50	50	300	<100	2000	50	500	<100	1,000	1213		
072	M	-80	<20	20	26.0	20.0	1.5	<1															
		-20																					
073	M	-80	<20	20	85	240	1.0	<1															
		-20																					
074	P																						
075	M	-80	50	45	55	260	1.0	1															
		-20	50	100	20	50	30	<0.1	<3	10	<5	30						200	200	300			
?? + 075	P		200	30	500	100	1.00	<0.1	<3	50	<5	1000	50	3000	300	1000	100	300	<100	100	946		
+ 076	P		300	30	1000	100	200	<0.1	<3	50	5	1000	50	5000	500	1000	100	300	<100	30	179		
077	L		90	80	28.0	32.0	20	2															
078	R		7.00	37.00.0	1300	1600	350	9.5															
079	M	-80	50	56.0	55	70	1.0	1															
		-20																					
+ 602080	P		5000	30	200	200	<1	<0.1	<3	5	<5	100	50	3000	500	1000	300	300	<100	30	357		
081	M	-80	<20	20	80	140	1.0	<1															
		-20																					
+ 082	P		2000	30	1000	200	<1	<0.1	<3	10	<5	100	50	>10,000	5000	1000	300	>10,000	300	100	748		
083	L		20	130	55	80	1.0	1															
084	L		<20	30	110.0	80	20	2															
085	R		60	20	700	70	20	2															
086	L		<20	10	70	30	1.0	<1															
087	R		120	1800	16%	37.6%	1.0	1500															
088	M	-80	<20	140	350	1400	1.0	7															
		-20	<1	50	30	200	50	0.5	<3	10	<5	<20						500	30	<30			
+ 089	P		200.0	500	1,000	1,000	<1	<0.1	<3	20	<5	200	50	5000	500	2000	200	300	<100	300	291		
090	L		20	50	66.0	37.00	30	14															
091	M	-80	40.0	5	1.0	40	1.0	<1															
		-20	50	30	20	20	30	0.5	<3	20	<5	30						100	50	100			
+ 092	P		>10000	500	2000	2000	>10,000	1.5	<3	ND	ND	N.D.	I.S.	I.S.	I.S.	>10,000	3,000	N.D.	I.S.	I.S.	32		
093	R		60	280	85	360	70	7															
094	M	-80	30	5	300	95	1.0	1															
		-20																					
+ 095	P		500	100	300	20	200	<0.1	<3	100	50	300	50	1,000	100	1000	50	300	300	300	17 685		
096	L		20	10	145	125	20	3															
097	M	-80	<20	5	180	35	1.5	1															
		-20																					
+ 098	P		500	100	1,000	30	300	<0.1	<3	200	100	>10,000	100	1,000	100	3000	50	300	300	100	5099		

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184064

U63

AREA EL 15/76 PROSPECT NUMBER 602 DATE SAMPLED 1977 LABORATORY REPORT NO. NOTATIONS: SAMPLE TYPE – M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock ADDITIONAL N.D – Not Detected

STATE TAS LOCATION Dundas 1:100,000 SHEET 7914 SAMPLER N. Ortez ANALYTICAL METHOD ANALYSES: Please state element

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (microns)	CHEMICAL ANALYSES (ppm) Sb	Mo	W	F	In	Cd	Nb	As	Hg	U_3O_8	La	Y	LOCATION E/W	N/S
602066	L															
067	M	-80														
		-20														
068	P		500	<3	2,000		<5	<3	<20	500	<30		<100	<10		
069	R															
602070	L															
071	P		500	<3	3,000		<5	<3	<20	500	<30		<100	<10		
072	M	-80														
		-20														
073	M	-80				<200						2				
		-20														
074	P															
075	M	-80														
		-20	<30	<3	<50											
075	P		1,000	<3	3,000		10	<3	<20	1,000	<30		<100	<10		
076	P		2,000	<3	2,000		30	<3	<20	1,000	<30		<100	<10		
077	L															
078	R															
079	M	-80														
		-20														
080	P		1,000	<3	1,000		30	<3	<20	5,000	<30		<100	<10		
081	M	-80				<200						1				
		-20														
082	P		1,000	<3	1,000		<5	<3	<20	3,000	<30		<100	200		
083	L															
084	L															
085	R															
086	L															
087	R															
088	M	-80														
		-20	<30	<3	<50											
089	P		500	<3	500		50	<3	<20	3,000	<30		<100	<10		
602090	L															
091	M	-80														
		-20	<30	<3	<50											
092	P		>10000	ND	I.S.		50	<3		>10000	<30		I.S.	I.S.		
093	R															
094	M	-80														
		-20														
095	P		5000	<3	500		30	<3	<20	5,000	<30		<100	<10		
096	L															
097	M	-80														
		-20														
098	P		5000	<3	1,000		50	<3	<20	1,000	100		<100	<10		

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184065

064

AREA EL 15/76 PROSPECT NUMBER 602 DATE SAMPLED 1977 LABORATORY REPORT NO. ANALYTICAL METHOD

STATE TAS LOCATION Dundas 1:100,000 SHEET 7914 SAMPLER N. ORTEZ

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

ADDITIONAL I.S - insufficient

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (mesh) (microns)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	V	Ti	Zr	P	B	Mn	Ca	Ba	Weight (mgs)	LOCATION E/W	N/S
602099	M	-80	500	20	180	45	15	2															
		-20																					
+ 602100	P		500	100	1000	<1	200	<0·1	<3	300	200	>10000	300	5000	200	3,000	50	300	5000	N.D.	12, 111		
101	M	-80	<20	20	160	50	15	1															
		-20																					
102	P		>10000	300	1000	20	300	<0·1	<3	100	50	>10,000	200	1000	100	>10,000	50	500	1000	200	2054		
103	M	-80	620	15	95	50	5	<1															
		-20	10	30	50	30	30	0·1	<3	10	<5	30						200	300	300			
+ 104	P		500	300	1000	50	200	<0·1	<3	15	I.S.	I.S.	I.S.	I.S.	I.S.	3,000	5,000	I.S.	I.S.	I.S.	31		
105	M	-80	<20	20	35	80	10	<1															
		-20	10	50	50	30	30	<0·1	<3	20	<5	100						300	300	100			
+ 106	P		1000	200	3000	100	200	<0·1	<3	30	<5	500	100	>10,000	5000	3,000	3,000	5,000	3000	100	310		
107	M	-80	<20	30	370	100	15	<1															
		-20	3	50	50	20	30	0·3	<3	10	<5	30						300	100	100			
+ 108	P		500	20	500	100	<1	<0·1	<3	20	<5	100	50	3000	<100	1000	200	1,000	<100	300	1270		
109	M	-80	<20	600	200	320	10	2															
		-20	50	300	100	50	30	0·3	<3	50	<5	500						300	1000	300			
+ 110	P		2000	1000	1000	300	200	<0·1	<3	<3	<5	30	10	5,000	3000	1000	100	100	300	200	7580		
111	R		260	640	21·6%	1·30%	10	190															
112	M	-80	<20	65	15	30	5	<1															
		-20																					
113	M	-80	20	20	40	170	10	1															
		-20																					
114	M	-80	20	40	120	360	10	2															
		-20																					
+ 115	P		3000	500	1000	500	200	<0·1	<3	100	50	10,000	300	3000	1000	1000	1000	300	<100	50	128		
116	M	-80	740	1100	1100	840	100	2															
		-20																					
117	M	-80	300	480	660	400	50	1															
+ 117	P		2000	500	1000	100	<1	<0·1	<3	30	<5	300	30	5000	1000	1000	2000	300	<100	100	757		
+ 118	P		2000	500	1000	1000	100	<0·1	<3	50	5	3,000	100	>10,000	2000	1000	1000	300	1,000	200	130		
119	M	-80	20	20	40	50	5	1															
		-20																					
+ 120	P		300	20	<20	500	<1	<0·1	<3	<3	<5	100	10	3000	1000	1000	100	300	<100	100	415		
121	M	-80	80	5	40	40	5	1															
		-20																					
+ 122	P		>10000	500	1000	100	200	<0·1	<3	30	30	3000	30	>10,000	3000	>10000	300	300	1000	100	6806		
123	M	-80	<20	5	45	50	5	<1															
		-20	<1	10	20	<1	10	<0·1	<3	10	<5	50						100	50	<30			
+ 124	P		>10000	1000	1000	100	200	<0·1	<3	100	50	>10,000	300	>10,000	5000	>10000	500	300	500	30	364		
125	M	-80	50	20	85	100	10	<1															
		-20																					
+ 126	P		3000	50	1000	100	300	2	<3	30	<5	>10,000	300	5,000	2000	5000	300	200	200	50	88		

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184066

065

AREA EL 15/76 PROSPECT NUMBER 602 1:100,000 SHEET

STATE TAS LOCATION

DATE SAMPLED

SAMPLER

LABORATORY REPORT NO.

ANALYTICAL METHOD

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

ANALYSES: Please state element

ADDITIONAL

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (MESH/MICRONS)	CHEMICAL ANALYSES (ppm) Sb	Mo	W	F	In	Cd	Nb	As	Hg	U_3O_8	La	Y	LOCATION E/W	N/S
602099	M	-80														
		-20														
602100	P		3,000	<3	3,000		30	<3	<20	500	<30		<100	<10		
101	M	-80														
		-20														
102	P		2,000	<3	1,000		30	<3	<20	3,000	<30		<100	<10		
103	M	-80														
		-20	<30	<3	<50											
104	P		2,000	1.S	1.S.		30	<3	1.S.	1,000	<30		1.S.	1.S.		
105	M	-80														
		-20	<30	<3	<50											
106	P		2,000	<3	<50		30	<3	<20	3,000	<30		<100	<10		
107	M	-80														
		-20	<30	<3	<50											
108	P		100	<3	<50		10	<3	<20	1,000	<30		<100	<10		
109	M	-80														
		-20	300	<3	<50											
110	P		1,000	<3	500		30	<3	<20	1,000	<30		<100	<10		
111	R															
112	M	-80														
		-20														
113	M	-80														
		-20														
114	M	-80														
		-20														
115	P		1,000	<3	1,000		50	<3	<20	2,000	<30		<100	<10		
116	M	-80				<200						2				
		-20														
117	M	-80			300											
117	P		1,000	<3			30	<3	<20	2,000	<30		<100	<10		
118	P		1,900	<3	>10,000		50	<3	<20	2,000	<30		<100	<10		
119	M	-80														
		-20														
120	P		1,000	<3	500		10	<3	<20	1,000	<30		<100	<10		
121	M	-80														
		-20														
122	P		1,000	<3	1,000		10	<3	<20	5,000	<30		<100	<10		
123	M	-80		<3	<50	<200						<1				
		-20	<30													
124	P		1,000	<3	2,000		10	<3	<20	>10,000	<30		<100	<10		
125	M	-80														
		-20														
126	P		3,000	<3	1,000		30	<3	<20	2,000	<30		<100	<10		

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

184067

066

AREA EL 15/76 PROSPECT NUMBER 602 DATE SAMPLED N. ORTEZ LABORATORY REPORT NO. ANNOTATIONS: SAMPLE TYPE — M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock. ADDITIONAL P - bromoform separation

STATE TAS LOCATION Dundas 1:100,000 SHEET 7914 SAMPLER ANALYTICAL METHOD -80 mesh: A.A.S -20 mesh, P: Emission Spec ANALYSES: Please state element Panned Concentrates

SAMPLE NUMBER	SAMPLE TYPE	APERTURE (MESH/MICRONS)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	V	Ti	Zr	P	B	Mn	Ca	Ba	Weight (mgs)	LOCATION E/W	LOCATION N/S
600127	M	-80	280	20	80	20	10	<1															
		-20	10	50	30	<1	50	<0.1	<3	30	<5	50						300	300	200			
+ 128	P		>10000	50	1000	50	200	0.5	<3	50	<5	3000	300	>10000	5000	2000	1000	200	>10000	1000	219		
129	M	-80	200	70	340	720	10	4															
		-20	100	100	20	200	50	0.3	<3	30	<5	50						200	300	100			
+ 130	P		>10000	50	100	100	<1	<0.1	<3	20	<5	300	200	3000	3000	2000	300	100	1000	<30	451		
131	M	-80	80	30	100	80	10	1															
		-20	100	50	50	50	30	<0.1	<3	50	<5	50						300	100	100			
+ 132	P		5000	50	2000	100	20	1	<3	100	<5	100	300	>10000	5000	2000	1000	50	5000	30	107		
133	M	-80	1500	40	90	70	5	<1															
		-20																					
+ 134	P		>10000	50	1000	100	20	0.5	<3	300	50	5000	300	5000	5000	2000	1000	100	2000	30	163		
135	M	-80	50	30	90	70	10	1															
		-20																					
+ 136	P		1000	50	1000	100	10	20:1	<3	20	<5	300	200	5000	5000	1000	500	100	3000	1000	70		
137	M	-80	30	20	300	50	5	<1															
		-20																					
+ 138	P		1000	100	1000	30	30	1	<3	20	<5	200	200	>10000	>10000	3000	2000	100	3000	30	265		
139	M	-80	60	20	960	1700	15	8															
		-20	<1	5	<20	50	10	<0.1	<3	3	<5	<20						200	1000	300			
140	M	-80	760	70	1500	260	15	1															
		-20	5000	300	50	20	100	0.3	<3	30	<5	50						300	100	3000			
+ 141	P		500	300	1000	100	10	30	<3	100	50	2000	100	5000	2000	2000	100	200	5000	30	82		
142	M	-80	20	5	85	20	<5	<1															
		-20	50	30	50	20	50	<0.1	<3	30	<5	500						300	1000	200			
+ 143	P		1000	200	1000	50	100	N.D	<3	100	100	5000	300	3000	500	3000	200	300	2000	1000	4782		
144	M	-80	50	20	820	140	10	<1															
		-20	5	20	30	50	20	<0.1	<3	30	<5	50						300	1000	200			
+ 145	P		1000	100	1000	500	100	<0.1	<3	100	50	2000	100	>10000	1000	1000	100	100	>10000	30	3373		
146	M	-80	20	390	720	130	15	1															
		-20																					
+ 147	P		2000	300	500	200	30	1	<3	30	<5	200	50	5000	2000	1000	300	200	>10000	500	307		
148	M	-80	700	10	135	280	10	<1															
		-20	50	20	50	30	50	<0.1	<3	100	<5	500						300	1000	100			
+ 149	P		2000	200	1000	100	300	0.5	<3	2000	200	3000	50	3000	1000	2000	100	200	1000	<30	7287		
150	M	-80	30	30	180	40	10	1															
		-20																					
+ 151	P		100	50	100	30	<1	<0.1	<3	100	<5	100	30	5000	2000	500	200	100	1000	500	1318		
152	M	-80	6000	3100	2200	2400	240	7															
		-20																					
+ 153	P		2000	200	30	300	<1	0.2	<3	5	<5	20	10	2000	500	3000	1000	1,000	1000	1000	5225		
154	M	-80	500	35	180	75	10	<1															
		-20																					
+ 155	P		1000	50	200	10	<1	<0.1	<3	20	<5	100	100	>10000	2000	500	200	200	1000	1000	611		

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

184068

067

AREA _____ PROSPECT NUMBER _____ 1:100,000 SHEET _____ DATE SAMPLED _____ SAMPLER _____ LABORATORY REPORT NO. _____ ANALYTICAL METHOD _____

STATE _____ LOCATION _____

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

ANALYSES: Please state element

ADDITIONAL _____

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (MICRONS)	CHEMICAL ANALYSES (ppm) Sb	Mo	W	F	In	Cd	Nb	As	Hg	U_3O_8	La	Y	LOCATION E/W	N/S
602127	M	-80														
		-20	<30	<3	<50											
128	P		30,000	<3	200		30	<3	<20	5000	<30		<100	<10		
129	M	-80														
		-20	<30	<3	<50											
130	P		1,000	<3	<50		20	<3	<20	>10,000	<30		<100	<10		
131	M	-80														
		-20	<30	<3	<50											
132	P		3,000	<3	100		30	<3	<20	3000			300	30		
133	M	-80														
		-20														
134	P		3,000	<3	300		20	<3	<20	5000	<30		<100	30		
135	M	-80														
		-20														
136	P		3,000	<3	200		<5	<3	<20	1,000	<30		200	30		
137	M	-80														
		-20														
138	P		3,000	<3	100		50	<3	<20	1000	<30		<100	30		
139	M	-80														
		-20	<30	<3	<50											
140	M	-80														
		-20	30	<3	<50											
141	P		3,000	<3	200		<5	<3	<20	500	<30		<100	30		
142	M	-80														
		-20	300	<3	<50											
143	P		5,000	<3	1,000		30	<3	<20	1,000	<30		<100	50		
144	M	-80														
		-20	<30	<3	<50											
145	P		3,000	<3	500		10	<3	<20	500	<30		<100	30		
146	M	-80														
		-20														
147	P		2,000	<3	<50		30	<3	<20	2000	<30		<100	50		
148	M	-80														
		-20	300	<3	<50											
149	P		5,000	<3	2,000		30	<3	<20	1,000	<30		<100	30		
150	M	-80														
		-20														
151	P		200	<3	<50		<5	<3	<20	500	<30		<100	<10		
152	M	-80														
		-20														
153	P		<30	<3	<50		5	<3	<20	3,000	<30		<100	50		
154	M	-80														
		-20														
155	P		<30	<3	<50		<5	<3	<20	2000	<30		<100	30		

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

184069

068

AREA EL 15/76 PROSPECT NUMBER 602 DATE SAMPLED 1977 LABORATORY REPORT NO.

STATE TAS LOCATION Dundas 1:100,000 SHEET 7914 SAMPLER N. Ortez. ANALYTICAL METHOD

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

ADDITIONAL I.S. - insufficient sample

SAMPLE NUMBER	SAMPLE TYPE	APERTURE (MESH/SIEVE) MICRONS	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	V	Ti	Zr	P	B	Mn	Ca	Ba	Weight (mgs)	LOCATION E/W	LOCATION N/S
602156	M	-80	80	20	120	60	10	1															
+ 157	P		1000	30	1000	50	<1	<0.1	<3	30	<5	200	200	3000	1000	2000	300	100	1000	100	1145		
157	M	-80	40	45	50	80	<5	1															
		-20	3	30	50	20	20	<0.1	<3	3	<5	<20						50	100	100			
+ 158	P		2000	30	1000	300	<1	<0.1	<3	I.S.	I.S.	I.S.	I.S.	I.S.	I.S.	2000	1000	I.S.	I.S.	I.S.	22		
159	M	-80	1700	2400	2200	1900	240	3															
		-20																					
+ 602160	P		500	100	<20	100	<1	0.3	<3	<3	<5	30	<10	2000	500	1000	1000	100	1000	500	4020		
161	M	-80	150	10	50	30	<5	<1															
		-20	3	30	50	20	20	<0.1	<3	5	<5	20						300	500	100			
+ A 162	P		100	30	300	<1	<1	<0.1	<3	I.S	I.S.	I.S.	I.S.	I.S.	I.S.	<100	1000	I.S	I.S	I.S	46		
+ B 162	P		1000	100	1000	50	100	<0.1	<3	20	<5	200	50	5000	1000	2000	500	100	1000	<30	2709		
163	M	-80	20	20	50	70	<5	<1															
		-20																					
+ 164	P		1000	100	2000	50	100	0.1	<3	50	<5	1000	100	>10000	3000	2000	1000	100	2000	1000	577		
165	R		150	4400	90	2720	10	5															
166	M	-80	20	45	105	180	15	1															
		-20																					
+ 167	P		<1	10	<20	<1	<1	<0.1	<3	30	<5	20	50	3000	300	500	30	20	50	1000	1537		
168	M	-80	100	20	60	160	15	<1															
		-20																					
+ 169	P		<1	10	20	<1	<1	<0.1	<3	5	<5	100	50	3000	<100	<100	100	30	300	300	590		
602170	R		30	210	450	4000	15	8															
171	M	-80	200	60	110	1700	20	13															
		-20																					
+ 172	P		1000	30	20	100	<1	0.5	<3	10	<5	100	50	3000	200	500	300	300	500	500	5383		
173	R		<20	1100	1400	1800	20	3															
173	R		300	100	300	300	50	2	<3	5	<5	<20						300	200	500	by Emission	Spec.	
174	R		<20	60	1300	7500	15	12															
175	M	-80	20	15	110	250	10	<1															
		-20	5	50	<20	100	30	<0.1	<3	5	<5	20						3000	1000	500			
+ 176	P		<1	10	<20	10	<1	<0.1	<3	<3	<5	50	30	1000	300	100	200	100	50	500	409		
177	M	-80	<20	20	60	140	15	<1															
		-20																					
+ 178	P		<1	30	<20	20	<1	<0.1	<3	<3	<5	<20	20	500	100	100	200	100	50	500	333		
179	M	-80	20	40	75	85	10	<1															
		-20																					
+ 180	P		<1	30	<20	20	<1	<0.1	<3	10	<5	<20	30	500	<100	100	200	300	50	1000	680		
181	M	-80	20	30	260	600	15	2															
		-20																					
+ 182	P		<1	30	20	30	<1	1.0	<3	20	<5	200	50	2000	200	100	300	500	500	30	298		
183	M	-80	420	40	340	760	1.0	4															
		-20																					
+ 184	P		<1	50	20	100	<1	2	<3	30	<5	100	50	1000	<100	500	100	2000	100	500	483		

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184070

069

AREA EL 15/76 PROSPECT NUMBER 602 DATE SAMPLED LABORATORY REPORT NO. NOTATIONS: SAMPLE TYPE — M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock ADDITIONAL

STATE TAS LOCATION Dundas 1:100,000 SHEET SAMPLER ANALYTICAL METHOD ANALYSES: Please state element

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (MESH/INCHES)	CHEMICAL ANALYSES (ppm) Sb	Mo	W	F	In	Cd	Nb	As	Hg	U_3O_8	La	Y	Sr	LOCATION E/W	N/S
602156	M	-80															
157	P		1000	<3	<50			<3	<20	2000	<30		<100	10			
157	M	-80					5										
		-20	<30	<3	<50												
158	P		1000	1.5	1.5		10	<3	1.5	2000	<30		1.5	1.5			
159	M	-80															
		-20															
602160	P		<30	<3	<50		<5	<3	<20	2000	<30		300	200			
161	M	-80															
		-20	<30	<3	<50												
A 162	P		500	1.5	1.5		<5	<3	1.5	<50	<30		1.5	1.5			
B 162	P		2000	<3	<50		30	<3	<20	2000	<30		<100	30			
163	M	-80															
		-20															
164	P		2000	<3	200		30	<3	<20	2000	<30		<100	50			
165	R																
166	M	-80															
		-20															
167	P		<30	<3	<50		<5	<3	<20	50	<30		<100	<10			
168	M	-80															
		-20															
169	P		<30	<3	<50		<5	<3	<20	50	<30		<100	<10			
602170	R																
171	M	-80															
		-20															
172	P		50	<3	<50		<5	<3	<20	1000	<30		<100	50			
173	R		<30					<3		<50							
173	R			<3	<50												
174	R														30		
175	M	-80															
		-20	<30	<3	<50												
176	P		<30	<3	<50		<5	<3	<20	50	<30		<100	<10			
177	M	-80															
		-20															
178	P		<30	<3	<50		<5	<3	<20	50	<30		<100	<10			
179	M	-80															
		-20															
602180	P		<30	<3	<50		<5	<3	<20	50	<30		<100	<10			
181	M	-80				300						2					
		-20															
182	P		30	<3	<50		<5	<3	<20	50	<30		<100	200			
183	M	-80															
		-20															
184	P		30	<3	<50		<5	<3	<20	50	<30		<100	200			

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

070

184071

AREA EL 15/76 | PROSPECT NUMBER 602 | 1:100,000 SHEET 7914 | DATE SAMPLED 1977 | LABORATORY REPORT NO. | ANALYTICAL METHOD

STATE TAS | LOCATION Dundas | SAMPLER

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

SAMPLE NUMBER	SAMPLE TYPE	ABERRATION SIZE (MICRONS)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	V	Ti	Zr	P	B	Mn	Ca	Ba	Weight (mgs)	LOCATION E/W	N/S
602185	M	-80	<20	35	115	250	10	<1															
		-20																					
+ 186	P		<1	30	<20	50	<1	0.1	<3	5	<5	20	30	500	<100	500	100	100	100	2000	196		
187	L		20	760	3000	520	20	3															
188	M	-80	<20	40	290	600	15	1															
		-20																					
+ 189	P		30	100	20	300	<1	1	<3	30	<5	50	50	1000	<100	1000	100	300	100	300	1082		
602 190	R		20	65	5000	3100	10	6															
+ 191	P		100	100	<20	1000	<1	3	<3	30	<5	200	30	1000	<100	1000	200	10,000	500	500	2460		
192	M	-80	<20	80	470	2200	15	4															
		-20																					
193	M	-80	20	20	90	70	10	<1															
		-20																					
+ 194	P		<1	30	<20	200	<1	<0.1	<3	30	<5	<20	100	1000	<100	1000	20	100	500	500	2508		
195	M	-80	20	30	150	120	15	<1															
		-20	<1	30	50	20	30	0.3	<3	5	<5	<20						300	300	200			
+ 196	P		<1	50	<20	<1	<1	<0.1	<3	20	<5	<20	50	1000	<100	1000	20	20	300	1000	2544		
197	M	-80	20	50	135	380	20	1															
		-20	3	50	50	30	30	0.2	<3	10	<5	30						500	300	300			
+ 198	P		<1	30	<20	<1	<1	<0.1	<3	5	<5	<20	30	1000	<100	<100	100	30	300	1000	1535		
199	M	-80	<20	10	10	40	10	<1															
		-20																					
+ 602 200	P		<1	30	<20	<1	<1	<0.1	<3	5	<5	50	30	2000	2000	<100	200	100	300	500	171		
201	M	-80	<20	20	65	190	10	1															
		-20																					
+ 202	P		50	100	<20	50	<1	0.5	<3	10	<5	<20	50	3000	200	1000	300	100	300	500	2030		
203	M	-80	<20	20	65	70	10	<1															
		-20																					
+ 204	P		30	50	20	<1	<1	<0.1	<3	10	<5	50	50	2000	<100	500	100	100	50	100	810		
205	M	-80	<20	25	80	150	10	1															
		-20																					
+ 206	P		<1	30	<20	50	<1	<0.1	<3	<3	<5	30	50	500	<100	<100	100	200	50	500	165		
207	M	-80	<20	5	10	140	5	<1															
		-20																					
+ 208	P		<1	20	<20	<1	<1	<0.1	<3	3	<5	20	20	2000	100	<100	100	30	100	5000	364		
209	M	-80	<20	20	85	50	10	<1															
		-20	10	100	50	30	50	0.5	<3	5	<5	20						300	2000	300			
+ 210	P		100	10	20	10	30	0.5	<3	<3	<5	<20	30	3000	100	1000	30	100	20	1000	1200		
211	M	-80	<20	15	70	75	10	<1															
		-20	10	30	50	30	30	0.2	<3	<3	<5	<20						300	2000	300			
+ 212	P		<1	30	100	30	100	1.0	<3	<3	<5	<20	30	5000	<100	1000	100	200	20	500	440		
213	R		<20	30	185	400	15	3															
214	M	-80	<20	20	50	130	10	<1															
		-20																					
+ 215	P		300	30	<20	50	530	1.0	<3	<3	<5	<20	30	3000	300	1000	100	200	30	200	7777		

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184072

071

AREA EL15/76 PROSPECT NUMBER 602 1:100,000 SHEET 7914

STATE TAS LOCATION Dundas

DATE SAMPLED

SAMPLER

LABORATORY REPORT NO.

ANALYTICAL METHOD

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

ANALYSES: Please state element

ADDITIONAL

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (MICRONS)	CHEMICAL ANALYSES (ppm) Sb	Mo	W	F	In	Cd	Nb	As	Hg	U_3O_8	La	Y	LOCATION E/W	N/S
602185	M	-80														
		-20														
186	P		<30	<3	<50		<5	<3	<20	50	<30		<100	<10		
187	L															
188	M	-80														
		-20														
189	P		50	<3	<50		10	<3	<20	300	<30		<100	50		
602190	R															
191	P		100	<3	<50		20	<3	<20	500	<30		<100	500		
192	M	-80														
		-20														
193	M	-80														
		-20														
194	P		<30	<3	<50		<5	<3	<20	200	<30		<100	<10		
195	M	-80														
		-20	<30	<3	<50											
196	P		<30	<3	<50		<5	<3	<20	200	<30		<100	<10		
197	M	-80														
		-20	<30	<3	<50											
198	P		<30	<3	<50		<5	<3	<20	<50	<30		<100	<10		
199	M	-80														
		-20														
602200	P		<30	<3	<50		<5	<3	<20	<50	<30		<100	<10		
201	M	-80														
		-20														
202	P		<30	<3	<50		5	<3	<20	300	<30		<100	30		
203	M	-80														
		-20														
204	P		<30	<3	<50		<5	<3	<20	200	<30		<100	<10		
205	M	-80														
		-20														
206	P		<30	<3	<50		<5	<3	<20	50	<30		<100	<10		
207	M	-80														
		-20														
208	P		<30	<3	<50		<5	<3	<20	50	<30		<100	<10		
209	M	-80	<30													
		-20		<3	<50											
210	P		<30	<3	<50		<10	<3	<20	200	<30		<100	<10		
211	M	-80														
		-20	<30	<3	<50											
212	P		<30	<3	<50		<10	<3	<20	100	<30		<100	<10		
213	R															
214	M	-80				240						1				
		-20														
215	P		<30	<3	<50		<10	<3	<20	300	<30		<100	<10		

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

184073 P: bromoform separated panned concentrates 072

AREA EL 15/76 PROSPECT NUMBER 602 DATE SAMPLED 1977 LABORATORY REPORT NO. NOTATIONS: SAMPLE TYPE – M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock ADDITIONAL

STATE TAS LOCATION Dundas 1:100,000 SHEET 7914 SAMPLER N. Ortez ANALYTICAL METHOD –80mesh: AAS –20 Mesh, P: Emission Spec ANALYSES: Please state element

SAMPLE NUMBER	SAMPLE TYPE*	APERTURE SIZE (MESH) (MICRONS)*	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	V	Ti	Zr	P	B	Mn	Ca	Ba	Weight (mgs)	LOCATION E/W	N/S
602216	M	-80	20	30	100	240	10	<1															
		-20																					
+ 217	P		300	3	<20	10	20	<0.1	<3	<3	<5	20	50	1000	<100	100	50	200	30	3000	1524		
218	M	-80	1700	10	10	220	5	<1															
		-20	20	100	50	30	30	0.5	<3	<3	<5	20						100	500	500			
+ 219	P		100	50	100	300	100	0.5	<3	<3	<5	<20	10	1000	<100	2000	2000	200	<20	300	222		
602 220	M	-80	50	30	130	240	5	1															
		-20																					
+ 221	P		200	30	<20	100	20	0.3	<3	<3	<5	30	30	2000	300	300	100	100	20	300	1764		
222	M	-80	80	15	40	95	10	<1															
		-20	20	200	300	50	50	1	<3	5	<5	30						500	300	200			
+ 223	P		200	30	<20	30	30	<0.1	<3	<3	<5	<20	20	1000	<100	500	100	200	20	300	308		
224	M	-80	<20	30	195	200	15	<1															
		-20	5	50	50	30	30	0.3	<3	5	<5	20						500	300	300			
+ 225	P		50	50	30	300	50	0.1	<3	<3	<5	<20	100	5000	300	1000	100	500	200	500	320		
226	M	-80	<20	40	210	150	15	1															
		-20																					
+ 227	P		<1	30	<20	20	20	<0.1	<3	<3	<5	<20	30	3000	<100	300	10	200	30	500	821		
228	M	-80	<20	30	170	210	10	1															
		-20	3	50	20	30	30	0.1	<3	20	<5	30						300	2000	300			
+ 229	P		<1	30	<20	30	20	<0.1	<3	<3	<5	<20	20	5000	300	300	30	100	30	300	577		
602 230	M	-80	<20	35	115	90	10	1															
		-20	<1	50	<20	5	50	<0.1	<3	5	<5	<20						500	500	200			
+ 231	P		<1	20	<20	10	20	<0.1	<3	<3	<5	<20	<10	300	<100	300	30	100	<20	2000	1003		
232	M	-80	<20	40	330	290	10	1															
		-20																					
+ 233	P		3	20	<20	50	20	<0.1	<3	<3	<5	<20	10	2000	<100	300	50	200	50	1000	573		
234	M	-80	20	30	115	110	10	1															
		-20																					
+ 235	P		3	30	<20	50	30	1.0	<3	<3	<5	<20	10	1000	<100	500	300	200	20	3000	548		
236	M	-80	<20	25	60	50	10	<1															
		-20																					
237	P																						
238	M	-80	<20	15	120	90	10	<1															
		-20																					
+ 239	P		50	30	<20	50	30	0.5	<3	<3	<5	<20	10	100	<100	500	100	200	<20	300	811		
240	R		<20	35	125	50	10	<1															
241	M	-80	<20	20	80	80	15	1															
		-20																					
+ 242	P		20	30	<20	100	50	0.1	<3	<3	<5	30	10	300	<100	1000	200	200	<20	200	1176		
243	R		<20	15	3500	1200	30	3															
244	M	-80	400	15	900	130	10	<1															
		-20	3	50	30	30	30	0.3	<3	30	<5	20						1000	500	300			
+ 602 245	P		20	10	30	100	30	0.1	<3	<3	<5	<20	10	1000	<100	300	200	200	30	100	96		

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

184074

073

AREA EL 75/76 PROSPECT NUMBER 602 DATE SAMPLED 1977 LABORATORY REPORT NO. ANALYTICAL METHOD NOTATIONS: SAMPLE TYPE – M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock ADDITIONAL

STATE TAS LOCATION Dundas 1:100,000 SHEET 7914 SAMPLER ANALYSES: Please state element

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (METRES) + MICRONS	CHEMICAL ANALYSES (ppm) Sb	Mo	W	F	In	Cd	Nb	As	Hg	U_3O_8	La	Y	LOCATION E/W	N/S
602216	M	-80														
		-20														
217	P		<30	<3	<50		<10	<3	<20	200	<30		<100	<10		
218	M	-80														
		-20	<30	<3	<50											
219	P		30	<3	<50		<10	<3	<20	200	<30		<100	<10		
602 220	M	-80														
		-20														
221	P		<30	<3	<50		<10	<3	<20	200	<30		<100	<10		
222	M	-80														
		-20	<30	<3	<50											
223	P		<30	<3	<50		<10	<3	<20	200	<30		<100	<10		
224	M	-80														
		-20	<30	<3	<50											
225	P		<30	<3	<50		<10	<3	<20	100	<30		<100	<10		
226	M	-80														
		-20														
227	P		<30	<3	<50		<10	<3	<20	50	<30		<100	<10		
228	M	-80														
		-20	<30	<3	<50											
229	P		<30	<3	<50		<10	<3	<20	50	<30		<100	<10		
602 230	M	-80														
		-20	<30	<3	<50											
231	P		<30	<3	<50		<10	<3	<20	50	<30		<100	<10		
232	M	-80														
		-20														
233	P		<30	<3	<50		<10	<3	<20	50	<30		<100	<10		
234	M	-80														
		-20														
235	P		<30	<3	<50		<10	<3	<20	50	<30		<100	<10		
236	M	-80														
		-20														
237	P															
238	M	-80														
		-20														
239	P		<30	<3	<50		<10	<3	<20	100	<30		<100	<10		
240	R															
241	M	-80														
		-20														
242	P		<30	<3	<50		<10	<3	<20	100	<30		<100	<10		
243	R															
244	M	-80		<3	<50											
		-20	<30													
602 245	P		<30	<3	<50		<10	<3	<20	50	<30		<100	<10		

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

184075

074

AREA EL 15/76 | PROSPECT NUMBER 602 | DATE SAMPLED 1977 | LABORATORY REPORT NO. | NOTATIONS: SAMPLE TYPE — M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock | ADDITIONAL

STATE TAS | LOCATION Dundas | 1:100,000 SHEET 7914 | SAMPLER G. Hamilton | LABORATORY ANALYTICAL METHOD | ANALYSES: Please state element

SAMPLE NUMBER	SAMPLE TYPE	APERTURE (MESH/MICRONS)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	V	Ti	Zr	P	B	Mn	Ca	Ba	Weight (mgs)	LOCATION E/W	N/S
602246	M	-80	<20	80	450	370	15	1															
		-20																					
+ 247	P		<1	10	<20	100	20	<0.1	<3	<3	<5	<20	<10	500	<100	<100	200	300	<20	1000	102		
248	M	-80	<20	30	95	120	10	<1															
		-20																					
+ 249	P		<1	20	<20	50	30	<0.1	<3	<3	<5	<20	10	500	<100	500	100	200	20	500	847		
602 250	M	-80	<20	10	20	50	5	<1															
		-20																					
+ 251	P		50	20	20	100	30	<0.1	<3	<3	<5	<20	10	500	100	100	300	200	<20	500	69		
252	M	-80	<20	20	60	70	5	<1															
		-20																					
+ 253	P		20	20	100	100	30	<0.1	<3	<3	<5	50	20	1000	<100	100	1,000	200	<20	1000	147		
254	M	-80	<20	10	15	60	5	<1															
		-20	10	50	30	50	30	0·3	<3	5	<5	<20						200	1000	300			
+ 255	P		30	100	1,000	300	100	<0.1	<3	I.S	I.S	I.S.	I.S.	I.S.	I.S.	500	2000	I.S	I.S	I.S	41		
256	M	-80	<20	20	100	70	10	<1															
		-20	<1	50	30	10	30	1	<3	5	<5	20						300	300	300			
+ 257	P		30	50	3000	200	200	1	<3	<3	<5	<20	10	5000	100	1000	300	200	20	50	152		
258	R		<20	20	260	70	30	1															
259	M	-80	<20	30	110	65	10	<1															
		-20																					
+ 260	P		10	50	100	100	100	0·3	<3	20	<5	20	30	2000	<100	1000	200	200	20	300	399		
261	M	-80	<20	20	115	80	15	<1															
		-20																					
+ 262	P		100	50	50	300	100	0·5	<3	20	<5	50	30	1000	100	500	200	200	<20	2000	423		
263	M	-80	10	10	145	300	6	0·6															
		-20																					
+ 264	P		30	30	<20	200	50	0·5	<3	<3	<5	50	30	1000	<100	500	100	300	<20	1000	124		
265	M	-80	<20	10	105	120	15	<1															
		-20																					
+ 266	P		3	20	100	50	50	0·5	<3	<3	<5	<20	<10	2000	300	500	200	100	<20	300	117		
267	M	-80	<20	20	940	600	5	1															
		-20	<1	30	30	30	30	<0.1	<3	5	<5	<20						300	300	500			
+ 268	P		50	50	<20	>10,000	100	0·1	<3	<3	<5	<20	10	2000	200	500	200	500	50	300	592		
269	R		20	210	40%	3·5%	10	15															
602 270	M	-80	<20	20	250	280	15	<1															
		-20	3	50	<20	50	30	0·1	<3	10	<5	30						500	100	300			
+ 271	P		20	50	<20	500	100	3	<3	<3	<5	<20	10	2000	<100	300	50	300	30	300	538		
272	M	-80	x	16	98	90	10	06															
		-20	<1	30	30	10	30	0·1	<3	30	<5	50						500	500	200			
+ 273	P		10	100	<20	300	200	0·5	<3	<3	<5	<20	10	3000	<100	1000	30	100	50	200	1180		
274	M	-80	<20	5	25	60	10	<1															
		-20	10	20	30	100	50	<0.1	<3	5	<5	20						300	50	200			

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

184076

075

AREA EL 15/76 | PROSPECT NUMBER 602 | 1:100,000 SHEET 7914 | DATE SAMPLED 1977 | SAMPLER G Hamilton | LABORATORY REPORT NO. | ANALYTICAL METHOD

STATE TAS. LOCATION Dundas

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

ANALYSES: Please state element

ADDITIONAL

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (INCHES/MICRONS)	CHEMICAL ANALYSES (ppm) Sb	Mo	W	F	In	Cd	Nb	As	Hg	U_3O_8	La	Y	LOCATION E/W	N/S
602246	M	-80														
		-20														
247	P		<30	<3	<50		<10	<3	<20	30	<30		<100	<10		
248	M	-80				300						1				
		-20														
249	P		<30	<3	<50		<10	<3	<20	100	<30		<100	<10		
602 250	M	-80														
		-20														
251	P		<30	<3	<50		<10	<3	<20	100	<30		<100	<10		
252	M	-80														
		-20														
253	P		<30	<3	<50		<10	<3	<20	100	<30		<100	<10		
254	M	-80														
		-20	<30	<3	<50											
255	P		500	<3	1.5		30	<3	<20	200	<30		<100	<10		
256	M	-80														
		-20	<30	<3	<50											
257	P		50	<3	<50		30	<3	<20	200	<30		<100	<10		
258	R															
259	M	-80														
		-20														
260	P		<30	<3	<50		10	<3	<20	100	<30		<100	<10		
261	M	-80														
		-20														
262	P		50	<3	<50		10	<3	<20	200	<30		<100	<10		
263	M	-80														
		-20														
264	P		500	<3	<50		<10	<3	<20	200	<30		<100	<10		
265	M	-80														
		-20														
266	P		30	<3	<50		<10	<3	<20	100	<30		<100	<10		
267	M	-80														
		-20	<30	<3	<50											
268	P		2000	<3	<50		<10	50	<20	200	<30		<100	<10		
269	R															
602270	M	-80														
		-20	<30	<3	<50											
271	P		<30	<3	<50		<10	<3	<20	100	<30		<100	<10		
272	M	-80														
		-20	<30	<3	<50											
273	P		<30	<3	<50		30	<3	<20	100	<30		<100	<10		
274	M	-80														
		-20	<30	3	<50											

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

184077

076

AREA EL 15/76 PROSPECT NUMBER 602 1:100,000 SHEET 7914 DATE SAMPLED 1977 LABORATORY REPORT NO. ANALYTICAL METHOD NOTATIONS: SAMPLE TYPE – M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock ADDITIONAL

STATE TAS LOCATION Dundas SAMPLER ANALYSES: Please state element

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (SIEVE) (MICRONS)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	V	Ti	Zr	P	B	Mn	Ca	Ba	Weight (mgs)	LOCATION E/W	N/S
602275	P		20	30	1000	50	5	1	<3	<3	<5	50	20	3000	100	1000	1000	300	30	100	189		
276	M	-80	x	12	300	58	4	0.6															
		-20																					
277	P		10	100	20	100	100	0.5	<3	<3	<5	50	20	3000	<100	1000	50	300	30	100	874		
278	M	-80	20	40	1500	720	15	2															
		-20																					
279	P		200	100	50	100	100	0.5	<3	<3	<5	50	10	2000	<100	500	50	300	<20	50	4660		
602 280	M	-80	10	7	80	125	8	04															
		-20																					
281	P		20	10	<20	100	20	0.5	<3	20	<5	20	10	1000	<100	<100	50	300	<20	100	1087		
282	R		<20	10	1400	120	5	10															
283	M	-80	<20	40	8600	2600	10	5															
		-20																					
284	P		20	30	<20	500	50	1	<3	<3	<5	<20	<10	<100	<100	500	50	200	<20	<30	8512		
285	M	-80	<20	5	25	210	5	<1															
		-20																					
286	P		300	20	1000	500	100	1.0	<3	100	<5	30	100	1000	100	300	100	300	<20	100	672		
287	M	-80	<20	30	160	120	10	<1															
		-20																					
288	P		200	30	1000	200	200	<0.1	<3	50	<5	30	20	1000	<100	500	50	300	<20	<30	1443		
289	M	-80	20	20	74	34	6	0.8															
		-20	3	20	20	30	30	<0.1	<3	10	5	50						300	50	100			
602 290	P		200	30	1000	300	200	<0.1	<3	100	<5	30	100	2000	<100	500	50	300	<20	<30	311		
291	M	-80	20	24	300	295	12	1.4															
		-20																					
292	P		100	50	<20	300	200	3	<3	<3	<5	<20	<10	500	<100	1000	200	2000	30	1000	1688		
293	M	-80	x	24	60	170	6	0.8															
		-20																					
294	P		20	10	50	100	100	<0.1	<3	<3	<5	30	30	300	<100	1000	200	100	<20	230	713		
295	M	-80	x	14	82	120	4	0.4															
		-20																					
296	P		100	10	100	300	100	0.5	<3	30	<5	100	100	300	<100	500	2000	100	<20	<30	174		
297	M	-80	10	23	64	150	10	1.0															
		-20																					
298	P		200	50	<20	100	30	0.5	<3	3	<5	50	50	500	<100	1000	200	100	<20	<30	1922		
299	M	-80	10	17	145	155	8	1															
		-20	100	100	<20	300	50	0.3	<3	10	5	50						2000	100	200			
602 300	P		500	50	<20	200	30	30	<3	10	<5	300	100	500	100	1000	100	1000	<20	<30	1122		
301	M	-80	20	240	5.0%	1.7%	15	1.1															
		-20																					
302	P		300	30	<20	>10000	30	30	<3	<3	<5	20	10	<100	<100	100	50	1000	<20	<30	22.03g		
303	M	-80	x	18	72	130	4	1.0															
		-20																					
304	P		200	20	100	100	30	<0.1	<3	<3	<5	50	20	100	<100	500	100	300	<20	<30	686		

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

184078

077

AREA EL 15/76 | PROSPECT NUMBER 602 | DATE SAMPLED 1977 | LABORATORY REPORT NO. | NOTATIONS: SAMPLE TYPE — M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock | ADDITIONAL

STATE TAS LOCATION Dundas | 1:100,000 SHEET 7914 | SAMPLER | ANALYTICAL METHOD | ANALYSES: Please state element

SAMPLE NUMBER	SAMPLE TYPE	APERTURE (SIEVE) MICRONS	CHEMICAL ANALYSES (ppm) Sb	Mo	W	F	In	Cd	Nb	As	Hg	U_3O_8	La	Y	LOCATION E/W	N/S
602 275	P		300	<3	<50		<10	<3	<20	100	<30		<100	<10		
276	M	-80														
		-20														
277	P		<30	<3	<50		<10	<3	<20	100	<30		<100	<10		
278	M	-80														
		-20														
279	P		200	<3	<50		<10	<3	<20	200	<30		<100	<10		
602 280	M	-80														
		-20														
281	P		300	<3	<50		<10	<3	<20	50	<30		<100	<10		
282	R															
283	M	-80				320						1				
		-20														
284	P		30	<3	<50		<10	<3	<20	100	<30		<100	<10		
285	M	-80														
		-20														
286	P		1,000	<3	500		<10	<3	<20	200	<30		<100	<10		
287	M	-80														
		-20														
288	P		1000	<3	<50		30	<3	<20	200	<30		<100	<10		
289	M	-80														
		-20	<30	<3	<50											
602 290	P		1,000	<3	300		<10	<3	<20	200	<30		<100	<10		
291	M	-80														
		-20														
292	P		<30	<3	<50		<10	<3	<20	200	<30		<100	<10		
293	M	-80														
		-20							<20							
294	P		200	<3	<50		30	<3		200	<30		<100	<10		
295	M	-80														
		-20														
296	P		500	<3	<50		<10	<3	<20	200	<30		<100	<10		
297	M	-80														
		-20														
298	P		<30	<3	<50		10	<3	<20	500	<30		<100	<10		
299	M	-80														
		-20	<30	5	<50											
602 300	P		500	<3	<50		<10	<3	<20	1000	<30		<100	<10		
301	M	-80														
		-20														
302	P		500	<3	<50		30	1000	<20	300	<30		<100	<10		
303	M	-80														
		-20														
602 304	P		<30	<3	<50		<10	<3	<20	300	<30		<100	<10		

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

184079

078

AREA EL 15/76 PROSPECT NUMBER 602 1:100,000 SHEET 7914 DATE SAMPLED 1977 SAMPLER N. Ortez LABORATORY REPORT NO. ANALYTICAL METHOD

STATE TAS LOCATION Dundas

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

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (MESH/+/- MICRONS)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	V	Ti	Zr	P	B	Mn	Ca	Ba	Weight (mgs)	LOCATION E/W	N/S
602305	L		<20	45	200	45	30	1		180	560	10											
306	M	-80	<20	10	40	80	10	<1		20	20	10											
		-20	5	30	50	100	50	0·2	<3	10	5	30						1000	50	300			
+ 307	P		200	50	2000	100	100	20	<3	3	<5	30	100	1000	<100	5000	100	300	<20	<30	2058		
308	R		<20	40	90	30	10	<1		85	10	20											
309	M	-80	<20	15	140	80	10	1		35	50	25											
		-20	<1	5	<20	<1	10	<0·1	<3	3	5	<20						300	30	100			
+ 602310	P		3	20	3,000	30	100	20	<3	3	<5	20	100	2000	<100	3000	200	300	100	<30	2566		
311	M	-80	50	20	140	250	10	1		20	30	25											
		-20	3	30	50	50	20	0·2	<3	3	<5	<20						1000	30	100			
312	M	-80	50	20	170	410	10	1		50	60	25											
		-20																					
313	R		100	200	1%	>1%	100	30	<3	10	10	30						>1%	300	200			
											<5												
314	M	-80	<20	20	140	200	10	1		25	55	20											
		-20	<1	10	<20	10	10	<0·1	<3	<3	<5	<20						200	30	100			
+ 315	P		10	10	100	100	100	<0·1	<3	3	<5	30	50	100	<100	2000	100	300	<20	<30	265		
316	M	-80	<20	10	100	90	10	<1		15	30	15											
		-20																					
317	M	-80	<20	2	35	20	10	<1		10	10	40											
		-20																					
318	R																						
319	M	-80	<20	5	50	30	10	<1		15	10	20											
		-20	10	30	100	20	50	0·2	<3	10	<5	30						500	100	200			
602320	M	-80	<20	10	70	60	5	<1		10	10	30											
		-20																					
321	R																						
322	M	-80	<20	10	45	30	5	<1		15	10	60											
		-20	10	30	<20	20	30	<0·1	<3	3	<5	30						200	50	50			
+ 323	P		500	100	1,000	200	100	0·3	<3	10	<5	1,000	100	2000	1000	1000	2000	300	<20	<30	1205		
324	M	-80	<20	10	80	50	5	<1		15	15	20											
		-20																					
325	M	-80	<20	5	30	30	5	<1		10	5	20											
		-20																					
326	M	-80	<20	2	30	20	5	<1		10	5	30											
		-20																					
327	M	-80	<20	10	15	10	10	1		15	5	25											
		-20																					
328	M	-80	<20	5	10	5	10	<1		5	<5	20											
		-20																					
329	M	-80	<20	10	50	30	15	<1		10	10	15											
		-20																					
602330	M	-80	<20	10	50	20	15	<1		10	10	20											
		-20																					

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

184080

079

AREA EL 15/76 | PROSPECT NUMBER 602 | DATE SAMPLED | LABORATORY REPORT NO. | NOTATIONS: SAMPLE TYPE – M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock | ADDITIONAL

STATE TAS LOCATION Dundas | 1:100,000 SHEET 7914 | SAMPLER N. Ortez | ANALYTICAL METHOD | ANALYSES: Please state element

SAMPLE NUMBER	SAMPLE TYPE	A PERTURE SIZE (SIEVE/MICRONS)	CHEMICAL ANALYSES (ppm) Sb	Mo	W	F	In	Cd	Nb	As	Hg	U_3O_8	La	Y	Sr	LOCATION E/W	N/S
602 305	L																
306	M	-80															
		-20	<30	<3	<50												
307	P		50	<3	<50		<10	<3	<20	1,000	<30		<100	<10			
308	R																
309	M	-80															
		-20	<30	<3	<50												
602 310	P		<30	<3	<50		30	<3	<20	100	<30		<100	<10			
311	M	-80															
		-20	<30	<3	<50												
312	M	-80															
		-20															
313	R		<30	<3	<50			30		<50					<30		
314	M	-80															
		-20	<30	<3	<50												
315	P		500	<3	<50		100	<3	<20	100	<30		<100	<10			
316	M	-80															
		-20															
317	M	-80															
		-20															
318	R																
319	M	-80															
		-20	30	<3	<50												
602 320	M	-80															
		-20															
321	R																
322	M	-80															
		-20	<30	<3	<50												
323	P		2000	<3	200		<10	<3	<20	300	<30		<100	<10			
324	M	-80															
		-20															
325	M	-80															
		-20															
326	M	-80															
		-20															
327	M	-80															
		-20															
328	M	-80															
		-20															
329	M	-80															
		-20															
602 330	M	-80															
		-20															

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

184081

000

AREA EL 15/76 PROSPECT NUMBER 602 1:100,000 SHEET

STATE TAS LOCATION Dundas

DATE SAMPLED

SAMPLER

LABORATORY REPORT NO.

ANALYTICAL METHOD

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

ANALYSES: Please state element

ADDITIONAL

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (inches/microns)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	V	Ti	Zr	P	B	Mn	Ca	Ba	Weight (mgs)	LOCATION E/W	N/S
602331	M	-80	<20	2	10	10	10	<1		5	<5	25											
		-20																					
333	M	-80	<20	2	25	40	10	1		5	5	10											
		-20	10	30	<20	30	30	0·1	<3	3	<5	<20						500	300	300			
334	P		100	100	1,000	300	100	0·3	<3	10	<5	500	100	3000	2000	1000	3000	200	<20	<30	205		
335	M	-80	<20	10	10	30	5	<1		5	<5	20											
		-20																					
336	M	-80	<20	10	15	15	10	<1		5	<5	20											
		-20																					
337	M	-80	<20	15	10	10	10	<1		5	<5	15											
		-20																					
338	M	-80	<20	<2	10	10	5	<1		<5	<5	15											
		-20																					
339	M	-80	<20	<2	10	5	10	<1		5	<5	40											
		-20	50	30	50	20	30	0·1	<3	5	<5	100						200	30	<30			
602340	M	-80	<20	<2	10	5	5	<1		5	<5	15											
		-20	10	30	20	10	30	0·1	<3	<3	<5	30						200	100	200			
341	M	-80	<20	<2	15	10	5	<1		5	<5	1000											
		-20																					
342	M	-80	<20	2	10	15	5	<1		5	<5	50											
		-20	5	30	50	10	30	0·1	<3	<3	<5	20						100	50	50			
343	M	-80	<20	2	110	45	10	<1		10	15	25											
		-20	<1	5	<20	<1	10	0·2	<3	<3	<5	20						300	50	<30			
344	M	-80	<20	2	40	50	10	<1		5	5	10											
		-20																					
345	M	-80	<20	<2	15	20	5	<1		<5	5	20											
		-20	20	50	30	50	30	0·3	<3	3	<5	20						200	50	100			
346	M	-80	<20	<2	10	10	5	<1		<5	5	30											
		-20																					
347	M	-80	<20	<2	10	15	5	<1		5	5	15											
		-20																					
348	M	-80	<20	<2	5	10	5	<1		<5	<5	55											
		-20																					
349	M	-80	<20	5	50	65	5	<1		5	10	10											
		-20	10	30	<20	50	30	0·2	<3	3	<5	<20						300	50	50			
+ 602350	P		100	50	1,000	300	30	0·3	<3	3	<5	1000	100	5000	5000	2000	2000	100	<20	30	182		
351	M	-80	<20	10	70	90	10	1		10	15	10											
		-20	10	30	<20	50	30	0·2	<3	3	<5	<20						500	50	200			
+ 352	P		1	20	500	100	100	<0·1	<3	3	<5	30	100	300	100	2000	200	1000	<20	100	411		
353	M	-80	<20	<2	15	30	5	<1		<5	10	10											
		-20	20	30	<20	50	30	<0·1	<3	3	<5	<20						500	100	200			

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

184082

081

AREA EL15/76 PROSPECT NUMBER 602 DATE SAMPLED LABORATORY REPORT NO. NOTATIONS: SAMPLE TYPE — M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock ADDITIONAL

STATE TAS LOCATION Dundas 1:100,000 SHEET SAMPLER ANALYTICAL METHOD ANALYSES: Please state element

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (MESH/MICRONS)	CHEMICAL ANALYSES (ppm) Sb	Mo	W	F	In	Cd	Nb	As	Hg	U_3O_8	La	Y							LOCATION E/W	N/S
602331	M	-80																				
		-20																				
333	M	-80																				
		-20	<30	<3	<50																	
334	P		2000	<3	<50		50	<3	<20	300	<30		<100	<10								
335	M	-80																				
		-20																				
336	M	-80																				
		-20																				
337	M	-80																				
		-20																				
338	M	-80																				
		-20																				
339	M	-80																				
		-20	<30	<3	<50																	
340	M	-80																				
		-20	<30	<3	<50																	
341	M	-80																				
		-20																				
342	M	-80																				
		-20	<30	<3	<50																	
343	M	-80																				
		-20	<30	<3	<50																	
344	M	-80																				
		-20																				
345	M	-80																				
		-20	<30	<3	<50																	
346	M	-80																				
		-20																				
347	M	-80																				
		-20																				
348	M	-80																				
		-20																				
349	M	-80																				
		-20	<30	<3	<50																	
602 350	P	-80	2000	<3	100		30	<3	<20	100	<30		<100	<10								
351	M	-20																				
			<30	<3	<50																	
352	P		<30	<3	<50		20	<3	<20	100	<30		<100	<10								
353	M	-80																				
		-20	<30	<3	<50																	

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

184083

082

AREA EL 15/76 | PROSPECT NUMBER 602 | DATE SAMPLED 1977 | LABORATORY REPORT NO. | NOTATIONS: SAMPLE TYPE — M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock, Please state element | ADDITIONAL P = bromoform separate, Panned Cons.

STATE TAS | LOCATION Dundas | 1:100,000 SHEET 7914 | SAMPLER P MACNamara | ANALYTICAL METHOD −80 mesh: A.A S, P and −20 mesh: Emission Spec | ANALYSES:

SAMPLE NUMBER	SAMPLE TYPE	APERTURE (SIEVE/MICRONS)	CHEMICAL ANALYSES (ppm)																				LOCATION	
			Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	V	Ti	Zr	P	B	Mn	Ca	Ba	Weight (mgs)	E/W	N/S
602354	M	−80	<20	10	80	60	10	1		15	10	15											
		−20	5	30	1,00	30	30	<0·1	<3	5	<5	20						300	100	300			
355	M	−80	<20	10	110	50	5	1		25	15	30											
		−20	5	50	200	50	50	0·5	<3	5	<5	20						500	100	300			
356	M	−80	20	5	90	60	5	<1		20	15	25											
		−20	3	30	50	30	30	<0·1	<3	3	<5	<20						300	50	300			
357	M	−80	<20	5	80	55	10	<1		15	15	10											
		−20	5	30	30	30	50	<0·1	<3	5	<5	20						500	100	200			
358	P		50	10	2000	30	100	0·3	<3	3	<5	30	200	500				500	50	<30	1525		
359	M	−80	<20	10	40	80	15	1		10	20	15											
		−20	<1	20	<20	30	20	0·2	<3	3	5	<20						300	50	300			
* 602 360	M	−80	<20	25	330	150	15	1		140	150	25											
		−20	<1	30	<20	30	20	<0·1	<3	5	10	<20						2000	500	200			
361	P		<1	10	1,000	30	10p	<0·1	<3	3	<5	20	100	1000				300	30	<30	1573		
362	P																						
363	M	−80	20	15	130	50	10	1		40	15	10											
		−20	30	50	200	100	50	0·3	<3	5	<5	30						500	50	500			
364	M	−80	<20	25	260	130	10	1		70	50	20											
		−20	5	100	300	100	50	0·5	<3	10	5	20						500	30	200			
365	M	−80	20	40	160	70	15	1		40	20	15											
		−20	5	100	300	100	50	0·2	<3	20	<5	30						300	30	50			
366	M	−80	20	10	60	40	5	1		10	10	10											
		−20	5	50	100	50	50	0·2	<3	5	<5	20						300	100	200			
367	M	−80	<20	10	70	40	5	<1		10	5	10											
		−20	5	30	50	30	50	0·2	<3	5	<5	30						300	100	500			
368	M	−80	<20	10	20	40	5	<1		5	5	10											
		−20	20	50	100	100	50	0·5	<3	3	<5	20						300	30	500			
369	M	−80	<20	<2	5	10	5	<1		<5	<5	<5											
		−20	5	30	<20	10	10	<0·1	<3	3	<5	20						100	100	<30			
602 370	M	−80	<20	5	25	15	5	<1		10	5	25											
		−20	10	50	<20	10	30	0·3	<3	5	<5	30						300	100	200			
371	M	−80	20	20	100	70	10	<1		15	20	20											
		−20																					
372	M	−80	<20	40	170	160	10	1		30	50	15											
		−20																					
373	M	−80	<20	10	920	170	10	<1		20	35	10											
		−20	3	50	<20	100	30	0·7	<3	3	5	<20						500	100	200			
374	R	▲	<20	2	20	10	10	<1		10	15	10											
375	M	−80	<20	10	200	220	5	1		10	10	5											
		−20																					
376	M	−80	<20	10	980	125	5	<1		15	15	5											
		−20	3	50	<20	100	30	0·3	<3	10	10	<20						3000	100	200			
602 377	M	−80	<20	10	740	130	10	<1		10	10	<5											
		−20																					
* 602 360	P		50	10	2000	50	100	0·3	<3	3	<5	20	200	1000				300	20	30	490		

* see below. ??

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184084

083

AREA EL 13/76 | PROSPECT NUMBER 602 | DATE SAMPLED | LABORATORY REPORT NO. | NOTATIONS: SAMPLE TYPE — M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock | ADDITIONAL

STATE TAS | LOCATION Dundas | 1:100,000 SHEET 7914 | SAMPLER | ANALYTICAL METHOD | ANALYSES: Please state element

SAMPLE NUMBER	SAMPLE TYPE	APERTURE (MICRONS)	CHEMICAL ANALYSES (ppm) Sb	Mo	W	F	In	Cd	Nb	As	Hg	U_3O_8	La	Y	LOCATION E/W	N/S
602354	M	-80														
		-20	<30	<3	<50											
355	M	-80														
		-20	<30	<3	<50											
356	M	-80														
		-20	<30	<3	<50											
357	M	-80														
		-20	<30	<3	<50											
358	P		<30	<3	<50		<10	<3	<20	300	<30		<100	<10		
359	M	-80														
		-20	<30	<3	<50											
* 602360	M	-80														
See below		-20	<30	<3	<50											
361	P		<30	<3	<50		30	<3	<20	100	<30		<100	<10		
?? 362	P															
363	M	-80														
		-20	<30	<3	<50											
364	M	-80														
		-20	<30	<3	<50											
365	M	-80														
		-20	<30	<3	<50											
366	M	-80														
		-20	<30	<3	<50											
367	M	-80														
		-20	<30	<3	<50											
368	M	-80														
		-20	<30	<3	<50											
369	M	-80														
		-20	<30	<3	<50											
602 370	M	-80														
		-20	<30	<3	<50											
371	M	-80														
		-20														
372	M	-80														
		-20														
373	M	-80														
		-20	<30	<3	<50											
374	R															
375	M	-80														
		-20														
376	M	-80		<3	<50											
		-20	<30													
602 377	M	-80														
		-20														
* 602360	P		<30	<3	<50		30	<3	<20	300	<30		<100	<10		

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

184085

084

AREA EL 15/76 PROSPECT NUMBER 602 DATE SAMPLED LABORATORY REPORT NO. ANALYTICAL METHOD

STATE TAS LOCATION Dundas 1:100,000 SHEET 7914 SAMPLER

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

ANALYSES: Please state element

ADDITIONAL

SAMPLE NUMBER	SAMPLE TYPE	APERTURE (SIEVE/MICRONS)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	V	Ti	Zr	P	B	Mn	Ca	Ba	Weight (mgs)	LOCATION E/W	N/S
602 378	R		<20	<2	5	170	10	1		40	10	10											
379	M	-80	20	50	560	320	5	1		10	10	5											
		-20																					
380	R		<20	90	5500	2900	30	2		40	60	30											
381	R		<20	20	1500	3100	40	7		45	50	5											
382	M	-80	<20	2	10	50	5	<1		<5	<5	5											
		-20																					
383	M	-80	<20	10	30	140	10	2		<5	10	10											
		-20																					
384	M	-80	<20	20	1500	180	10	1		40	20	5											
		-20																					
385	M	-80	<20	30	190	100	25	1		20	40	10											
		-20																					
386	M	-80	<20	20	80	50	5	<1		<5	5	<5											
		-20																					
387	M	-80	<20	40	240	210	10	1		15	15	10											
		-20																					
388	R	-	3	20	20	300	20	0.5	<3	3	<5	<20						200	100	300			
389	R	-	30	50	100	30	50	5	<3	30	<5	100						300	100	30			
602 390	R		30	30	100	10	50	5	<3	100	10	300						500	100	100			
391	R		20	10	20	30	30	3	<3	100	<5	100						100	100	<30			
392	M	-80	<20	20	75	560	10	1		5	10	5											
		-20																					
393	M	-80	<20	20	200	150	10	<1		30	30	15											
		-20																					
+ 394	P		<1	100	50	500	100	<0.1	<3	<3	<5	<20	20	1000	<100	1000	100	30	<20	<30	5198		
395	R		5	10	300	30	30	0.3	<3	5	<5	30						300	5000	300			
396	M	-80	<20	20	100	95	5	1		10	15	<5											
		-20																					
397	R		<20	5	65	20	35	1		35	30	30											
398	R		5	10	30	3	100	2	<3	20	5	<20						+1%	300	200			
399	M	-80	<20	20	105	50	10	<1		30	30	10											
		-20																					
602 400	M	-80	<20	40	100	70	10	<1		15	15	<5											
		-20																					
401	M	-80	<20	60	290	160	10	1		45	50	10											
		-20																					
402	M	-80	<20	10	120	100	5	<1		15	20	30											
		-20	3	50	100	50	30	0.5	<3	30	10	50						2000	100	200			
403	P		<1	20	50	50	100	<0.1	<3	<3	<5	20	30	300	<100	2000	100	100	<20	300	3157		
404	R		5	50	50	1000	50	5	<3	100	5	<20						+1%	300	300			
405	R		5	100	300	500	30	2	<3	10	5	<20						5000	5000	300			
406	M	-80	<20	10	15	60	5	<1		5	10	10											
		-20																					

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

184086

085

AREA _____ PROSPECT NUMBER _____ DATE SAMPLED _____ LABORATORY REPORT NO. _____ NOTATIONS: SAMPLE TYPE – M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock ADDITIONAL _____

STATE _____ LOCATION _____ 1:100,000 SHEET _____ SAMPLER _____ ANALYTICAL METHOD _____ ANALYSES: Please state element _____

SAMPLE NUMBER	SAMPLE TYPE	ASBESTOS (SIEVE/MICROSCOPE)	CHEMICAL ANALYSES (ppm) Sb	Mo	W	F	In	Cd	Nb	As	Hg	U_3O_8	La	Y	Sr							LOCATION E/W	N/S
602378	R																						
379	M	-80																					
		-20																					
380	R																						
381	R																						
382	M	-80																					
		-20																					
383	M	-80																					
		-20																					
384	M	-80																					
		-20																					
385	M	-80																					
		-20																					
386	M	-80																					
		-20																					
387	M	-80																					
		-20																					
388	R		<30	<3	<50			<3		<50					<30								
389	R		100	<3	<50			3		500					<30								
390	R		100	<3	<50			3		500					<30								
391	R		100	<3	<50			<3		300					<30								
392	M	-80																					
		-20																					
393	M	-80																					
		-20																					
394	P		<30	<3	<50		30	<3	<20	100	<30		<100	<10									
395	R		<30	<3	<50			<3		<50					<30								
396	M	-80																					
		-20																					
397	R																						
398	R		<30	<3	<50			30		<50					30								
399	M	-80																					
		-20																					
602400	M	-80																					
		-20																					
401	M	-80																					
		-20																					
402	M	-80																					
		-20	<30	<3	<50																		
403	P		<30	<3	<50		<10	<3	<20	100	<30		<100	<10									
404	R		<30	<3	<50			30		100					<30								
405	R		<30	<3	<50			10		<50					<30								
406	M	-80																					
		-20																					

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

184087

086

AREA EL 15/76 PROSPECT NUMBER 602 DATE SAMPLED LABORATORY REPORT NO. NOTATIONS: SAMPLE TYPE – M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock ADDITIONAL

STATE TAS LOCATION Dundas 1:100,000 SHEET 7914 SAMPLER ANALYTICAL METHOD ANALYSES: Please state element

SAMPLE NUMBER	SAMPLE TYPE	APERTURE (SIEVE) MICRONS	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	V	Ti	Zr	P	B	Mn	Ca	Ba	Weight (mgs)	LOCATION E/W	N/S
602 407	M	-80	<20	10	5	20	5	<1		<5	<5	5											
		-20																					
408	M	-80	<20	25	35	130	10	<1		15	40	5											
		-20																					
409	M	-80	<20	10	15	60	5	<1		5	15	5											
		-20																					
602 410	M	-80	<20	15	50	80	10	<1		20	20	25											
		-20																					
411	R		<20	5	25	40	10	<1		10	5	75											
412	M	-80	<20	10	10	15	10	<1		15	10	5											
		-20																					
413	R		<20	2	15	10	10	<1		10	5	75											
414	M	-80	<20	10	10	30	10	<1		10	10	5											
		-20																					
415	M	-80	<20	5	5	25	10	<1		<5	<5	5											
		-20																					
416	M	-80	<20	10	30	60	5	<1		5	15	15											
		-20	50	300	300	100	100	1	<3	20	10	30						2000	100	200			
417	M	-80	<20	30	140	90	15	<1		35	30	25											
		-20																					
418	R		3	50	200	1000	50	2	<3	10	< 5	30						200	500	200			
419	M	-80	20	40	100	75	10	<1		30	40	30											
		-20																					
602 420	M	-80	<20	5	10	25	5	<1		<5	<5	5											
		-20																					
421	M	-80	<20	10	20	20	10	<1		10	10	5											
		-20																					
422	M	-80	<20	10	70	120	10	<1		10	15	5											
		-20	3	200	<20	100	30	0.2	<3	10	5	30						2000	100	300			
+ 423	P		500	100	100	100	300	2	<3	<3	<5	<20	20	100	<100	3000	300	100	<20	<30	449		
424	M	-80	<20	40	270	720	10	3		35	15	10											
		-20	5	200	20	300	30	0.5	<3	50	10	100						2000	100	200			
+ 425	P		30	50	20	200	50	30	<3	10	<5	30	100	100	<100	2000	100	200	<20	<30	4401		
426	R		<20	2	30	15	15	1		15	10	10											
427	M	-80	<20	50	380	960	10	4		60	25	65											
		-20																					
428	M	-80	<20	5	40	30	5	<1		<5	5	10											
		-20																					
429	M	-80	<20	50	70	50	10	<1		20	20	10											
		-20																					
602 430	M	-80	20	60	450	1800	10	8		35	20	30											
		-20	<1	500	<20	300	30	2	<3	5	10	30						2000	50	200			
431	M	-80	<20	35	440	400	10	2		60	30	45											
		-20	<1	100	20	100	30	0.3	<3	10	10	50						2000	100	100			

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

184088

057

AREA EL 15/76 | PROSPECT NUMBER 602 | DATE SAMPLED | LABORATORY REPORT NO. | ANALYTICAL METHOD | NOTATIONS: SAMPLE TYPE – M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock | ADDITIONAL

STATE TAS | LOCATION Dundas | 1:100,000 SHEET 7914 | SAMPLER | ANALYSES: Please state element

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (MESH/MICRONS)	CHEMICAL ANALYSES (ppm) Sb	Mo	W	F	In	Cd	Nb	As	Hg	U_3O_8	La	Y	Sr	LOCATION E/W	N/S
602 407	M	-80															
		-20															
408	M	-80															
		-20															
409	M	-80															
		-20															
602 410	M	-80															
		-20															
411	R																
412	M	-80															
		-20															
413	R																
414	M	-80															
		-20															
415	M	-80															
		-20															
416	M	-80															
		-20	<30	<3	<50												
417	M	-80															
		-20															
418	R		<30	<3	<50			3		<50					<30		
419	M	-80															
		-20															
602 420	M	-80															
		-20															
421	M	-80															
		-20															
422	M	-80															
		-20	<30	<3	<50												
423	P		500	<3	<50		<10	<3	<20	2000	<30		<100	<10			
424	M	-80															
		-20	<30	<3	<50												
425	P		50	<3	<50		50	<3	<20	100	<30		<100	<10			
426	R																
427	M	-80															
		-20															
428	M	-80															
		-20															
429	M	-80															
		-20															
602 430	M	-80															
		-20	<30	<3	<50												
431	M	-80															
		-20	<30	<3	<50												

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

184089

088

AREA EL15/76 PROSPECT NUMBER 602 DATE SAMPLED LABORATORY REPORT NO. ANALYTICAL METHOD

STATE TAS LOCATION Dundas 1:100,000 SHEET 79/4 SAMPLER

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

ADDITIONAL

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (SIEVE / MICRONS)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	V	Ti	Zr	P	B	Mn	Ca	Ba	Weight (mgs)	LOCATION E/W	LOCATION N/S
602432	F		<20	10	460	600	15	<1		25	20	15											
433	R		<20	10	120	40	10	1		40	15	15											
434	M	-80	<20	50	140	60	10	1		30	50	15											
		-20																					
435	M	-80	<20	10	30	120	5	<1		5	10	10											
		-20																					
436	M	-80	<20	50	150	20	10	<1		10	10	10											
		-20																					
437	F		<20	50	100	50	10	<1		35	15	20											
602 438	R		<20	30	90	20	15	1		15	20	10											
			<1	100	20	20	40	3	<3	5	<5	<20						500	200	300			
602 449	M	-80	<20	15	15	70	10	<1		5	10	10											
		-20																					
602 450	M	-80	<20	15	130	220	10	<1		65	20	50											
		-20																					
† 451	P		30	50	20	100	100	<0.1	<3	30	<5	100	100					200		<30	768		
452	F		<20	10	120	40	15	1		320	35	110											
453	L		20	200	1000	1000	30	10	<3	100	10	<20						3000	300	300			
454	M	-80	<20	20	210	280	5	<1		70	20	60											
		-20																					
455	M	-80	<20	10	30	50	5	<1		5	10	10											
		-20	10	10	20	5	30	0.1	<3	<3	<5	20						300	50	30			
456	M	-80	<20	2	10	20	5	<1		<5	5	10											
		-20																					
457		-80	<20	10	25	30	5	<1		<5	<5	10											
		-20																					
458	M	-80	<20	5	10	15	5	<1		<5	<5	10											
		-20																					
459	M	-80	<20	<2	5	10	5	<1		<5	<5	<5											
		-20																					
602 460	M	-80	<20	5	10	20	10	<1		<5	<5	5											
		-20	30	20	30	5	30	0.7	<3	3	<5	30						300	50	100			
461	P		50	200	1000	100	200	30	<3	20	<5	30	100	100	<100	3000	500	200	<20	<30	255		
{ 462	F		50	1000	320	560	50	7		40	20	75											
{ 462	F		<1	300	30	300	100	10	<3	30	5	<20						300	300	200			
463	M	-80	<20	<2	5	10	5	<1		<5	<5	<5											
		-20																					
464	M	-80	<20	2	10	15	5	<1		<5	5	5											
		-20	10	10	<20	10	30	<0.1	<3	3	<5	20						200	100	300			
602 465	M	-80	<20	5	10	15	5	<1		5	5	5											
		-20																					

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184090

089

AREA EL 13/76 PROSPECT NUMBER 602 DATE SAMPLED 1977 LABORATORY REPORT NO. ANALYTICAL METHOD

STATE TAS LOCATION Dundas 1:100,000 SHEET SAMPLER P. Macnamara

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

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (INCHES / MICRONS)	CHEMICAL ANALYSES (ppm) Sb	Mo	W	F	In	Cd	Nb	As	Hg	U_3O_8	La	Y	Sr							LOCATION E/W	N/S
602432	F																						
433	R																						
434	M	-80																					
		-20																					
435	M	-80																					
		-20																					
436	M	-80																					
		-20																					
437	F																						
438	R																						
438	R		<30	<3	<50			30		<50					<30								
602449	M	-80																					
		-20																					
450	M	-80																					
		-20																					
451	P		500	<3	<50		<10	<3	<20	100													
452	F																						
453	L		<30	<3	<50			30		<50					<30								
454	M	-80																					
		-20																					
455	M	-80																					
		-20	<30	<3	<50																		
456	M	-80																					
		-20																					
457																							
458	M	-80																					
		-20																					
459	M	-80																					
		-20																					
602460	M	-80																					
		-20	<30	<3	<50																		
461	P		1000	<3	<50		<10	<3	<20	1000	<30		<100	<10									
{462F																							
{462F			100	<3	<50			10		<50					<30								
463	M	-80																					
		-20																					
464	M	-80		<3	<50																		
		-20	<30																				
602465	M	-80																					
		-20																					

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184091

090

AREA EL15/76 PROSPECT NUMBER 602 DATE SAMPLED LABORATORY REPORT NO. ANALYTICAL METHOD NOTATIONS: SAMPLE TYPE – M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock ADDITIONAL

STATE TAS LOCATION Dundas 1:100,000 SHEET 7914 SAMPLER ANALYSES: Please state element

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (microns)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	V	Ti	Zr	P	B	Mn	Ca	Ba	Weight (mgs)	LOCATION E/W	LOCATION N/S
602466	M	-80	<20	120	450	760	15	1		130	160	45											
		-20																					
467	M	-80	<20	60	380	210	10	1		180	175	50											
		-20																					
468	R		30	100	30	1000	50	1.0	<3	30	<5	30						+1%	500	200			
469	M	-80	<20	65	130	60	10	<1		85	40	70											
		-20																					
602470	R		10	500	3000	100	30	1	<3	10	5	<20						500	+1%	30			
471	M	-80	<20	20	75	30	10	<1		30	30	40											
		-20																					
472	M	-80	<20	35	120	70	10	<1		30	35	30											
		-20																					
473	M	-80	<20	45	110	80	15	<1		30	35	25											
		-20																					
474	M	-80	<20	50	95	65	10	1		40	30	60											
		-20																					
475	M	-80	<20	25	85	50	10	<1		25	15	50											
		-20																					
476	M	-80	<20	25	85	45	10	<1		30	20	40											
		-20																					
477	M	-80	20	25	110	70	10	<1		40	35	65											
		-20																					
478	M	-80	<20	25	100	60	10	<1		40	40	45											
		-20																					
479	M	-80	<20	65	130	80	10	1		50	60	70											
		-20																					
602480	M	-80	<20	50	190	80	10	<1		50	40	40											
		-20																					
481	M	-80	<20	10	10	75	5	<1		10	5	10											
		-20																					
482	R		3	100	30	300	30	0.5	<3	50	5	50						500	500	500			
483	M	-80	<20	5	5	25	10	<1		5	5	5											
		-20																					
484	M	-80	<20	2	5	30	5	<1		5	5	5											
		-20																					
485	M	-80	<20	30	110	50	5	<1		40	40	60											
		-20																					
486	M	-80	<20	25	110	50	5	1		30	40	65											
		-20																					
487	M	-80	<20	5	10	30	10	<1		<5	5	10											
		-20																					
488	R		10	30	500	300	30	0.5	<3	30	<5	30						300	5000	300			
602489	M	-80	<20	25	90	70	10	1		30	35	65											
		-20																					

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184092

091

AREA EL 15/76 PROSPECT NUMBER 602 DATE SAMPLED LABORATORY REPORT NO. NOTATIONS: SAMPLE TYPE – M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock ADDITIONAL

STATE LOCATION 1:100,000 SHEET 7914 SAMPLER ANALYTICAL METHOD ANALYSES: Please state element

SAMPLE NUMBER	SAMPLE TYPE	APERTURE (MESH/MICRONS)	CHEMICAL ANALYSES (ppm) Sb	Mo	W	F	In	Cd	Nb	As	Hg	U_3O_8	La	Y	Sr							LOCATION E/W	N/S
602 466	M	-80																					
		-20																					
467	M	-80																					
		-20																					
468	R		<30	<3	<50			30		<50					<30								
469	M	-80																					
		-20																					
602 470	R		<30	<3	<50			5		<50					<30								
471	M	-80																					
		-20																					
472	M	-80																					
		-20																					
473	M	-80																					
		-20																					
474	M	-80																					
		-20																					
475	M	-80																					
		-20																					
476	M	-80																					
		-20																					
477	M	-80																					
		-20																					
478	M	-80																					
		-20																					
479	M	-80																					
		-20																					
602 480	M	-80																					
		-20																					
481	M	-80																					
		-20																					
482	R		<30	<3	<50			3		<50					<30								
483	M	-80																					
		-20																					
484	M	-80																					
		-20																					
485	M	-80																					
		-20																					
486	M	-80																					
		-20																					
487	M	-80																					
		-20																					
488	R		<30	<3	<50			3		<50					<30								
602 489	M	-80																					
		-20																					

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184093

092

AREA EL 15/76 PROSPECT NUMBER 602 DATE SAMPLED ____ LABORATORY REPORT NO. ____ NOTATIONS: SAMPLE TYPE – M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock ADDITIONAL ____

STATE TAS LOCATION Dundas 1:100,000 SHEET 7914 SAMPLER ____ ANALYTICAL METHOD ____ ANALYSES: Please state element ____

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (BRITISH STD. MICRONS)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	V	Ti	Zr	P	B	Mn	Ca	Ba	Weight (mgs)	LOCATION E/W	N/S
602490	M	-80	20	30	410	270	10	<1		80	50	30											
		-20																					
491	M	-80	<20	<2	2	20	5	<1		<5	<5	5											
		-20																					
492	M	-80	20	10	10	30	5	<1		5	10	5											
		-20																					
493	M	-80	<20	5	5	25	5	<1		<5	<5	5											
		-20																					
494	M	-80	<20	20	15	35	5	<1		5	10	10											
		-20																					
495	M	-80	<20	10	10	25	5	<1		5	5	5											
		-20																					
496	M	-80	20	<2	2	10	5	<1		<5	<5	<5											
		-20																					
497	M	-80	<20	10	10	10	5	<1		5	5	10											
		-20																					
498	M	-80	<20	10	10	15	10	<1		<5	5	5											
		-20																					
499	R		10	300	2000	500	50	0·3	<3	100	10	100						500	1%	300			
602500	M	-80	<20	10	10	15	10	<1		<5	<5	10											
		-20																					
501	M	-80	<20	25	90	40	10	1		5	10	10											
		-20																					
502	M	-80	<20	20	70	30	10	<1		10	35	10											
		-20																					
503	M	-80	<20	2	2	25	5	<1		<5	<5	5											
		-20																					
504	M	-80	<20	110	260	320	10	<1		30	50	10											
		-20																					
505	R		20	300	500	1000	50	5	<3	20	<5	<20						500	300	300			
506	R		30	50	100	300	30	0·3	<3	10	<5	<20						+1%	200	200			
507	M	-80	<20	<2	2	10	5	<1		<5	<5	5											
		-20																					
508	M	-80	100	40	65	720	5	3		10	15	15											
		-20																					
509	R		30	50	300	500	30	5	<3	30	5	<20						+1%	300				
602510	R		10	100	300	200	30	0·5	<3	5	<5	<20						300	+1%				
511	R		1000	2000	30	+1%	30	30	<3	10	<5	<20						300	300				
512	R		5000	5000	50	+1%	300	50	<3	10	<5	<20						300	300				
602513	M	-80	<20	5	10	30	10	<1		<5	5	5											
		-20																					

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184094

093

AREA _____ PROSPECT NUMBER _____ DATE SAMPLED _____ LABORATORY REPORT NO. _____

STATE _____ LOCATION _____ 1:100,000 SHEET _____ SAMPLER _____ ANALYTICAL METHOD _____

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

ANALYSES: Please state element

ADDITIONAL _____

SAMPLE NUMBER	SAMPLE TYPE	APERTURE (MESH/MICRONS)	CHEMICAL ANALYSES (ppm) Sb	Mo	W	F	In	Cd	Nb	As	Hg	U_3O_8	La	Y	LOCATION E/W	N/S
602490	M	-80														
		-20														
491	M	-80														
		-20														
492	M	-80														
		-20														
493	M	-80														
		-20														
494	M	-80														
		-20														
495	M	-80														
		-20														
496	M	-80														
		-20														
497	M	-80														
		-20														
498	M	-80														
		-20														
499	R		<30	<3	<50			10		<50						
602 500	M	-80														
		-20														
501	M	-80														
		-20														
502	M	-80														
		-20														
503	M	-80														
		-20														
504	M	-80														
		-20														
505	R		<30	<3	<50			10		<50						
506	R		<30	<3	<50			10		<50						
507	M	-80														
		-20														
508	M	-80														
		-20														
509	R		<30	<3	<50			10		<50						
510	R		<30	<3	<50			5		<50						
511	R		2000	<3	<50			5		500						
512	R		3000	<3	<50			10		5000						
513	M	-80														
		-20														

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184095

094

AREA EL 15/76 | PROSPECT NUMBER 602 | DATE SAMPLED 1977 | LABORATORY REPORT NO. | ANALYTICAL METHOD

STATE TAS | LOCATION Dundas | 1:100,000 SHEET 7914 | SAMPLER P.M.; N.O.

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

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (MICRONS)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	V	Ti	Zr	P	B	Mn	Ca	Ba	Weight (mgs)	LOCATION E/W	N/S
602 514	F		<20	20	70	50	20	1		20	15	20											
515	R		<20	10	10	10	10	<1		10	5	130											
516	R		2000	5000	30	>1%	200	50	<3	5	<5	<20						300	300				
517	R																						
518	M	-80	<50	50	35	3200	20	1		10	5	30											
		-20	10	30	30	1000	20	<0.1	<3	3	<5	20						200	50	500			
519	M	-80	50	15	125	25	20	<1		15	10	35											
		-20	10	20	30	5	30	<0.1	<3	5	<5	20						500	50	50			
602 520	M	-80	50	25	110	45	15	<1		20	10	30											
		-20	5	10	30	3	10	<0.1	<3	5	<5	20						100	200	50			
602 521	R		50	300	300	1000	30	2	<3	30	5	50						1000	3000				
522	R		3	1000	100	10,000	30	3	<3	50	5	100						1000	500				
523	R		3	2000	100	300	30	2	<3	300	10	100						1000	500				
524	R		3	5000	200	500	50	5	<3	300	10	100						1000	500				
525	R		50	2400	700	1800	50	20		960	110	800											
526	R		300	5000	+1%	+1%	30	30	<3	100	100	50						2,000	300				
527	M	-80	<50	140	110	1000	25	1		15	15	45											
		-20																					
528	R		<1	+1%	300	50	30	10	<3	1000	200	50						500	30				
529	R		300	200	300	1000	50	3	<3	100	5	50						2000	1000				
602 530	R		10	100	50	1000	30	5	<3	50	<5	50						500	1000				
531	R		10	300	30	1000	30	0.5	<3	100	<5	50						500	1000				
532	R		3	500	30	300	30	0.3	<3	100	5	100						2000	1000				
533	R		10	300	300	300	30	3	<3	100	30	300						3000	100				
534	R		1000	100	30	1000	30	3	<3	20	<5	30						300	500				
535	M	-80	<50	15	60	80	20	1		10	10	40											
		-20																					
536	M	-80	<50	25	115	50	15	<1		50	20	390											
		-20																					
537	R		200	50	<20	100	20	0.5	<3	50	<5	<20						1000	200				

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

184096

095

AREA EL 15/76 PROSPECT NUMBER 602 DATE SAMPLED LABORATORY REPORT NO. ADDITIONAL

STATE TAS LOCATION Dundas 1:100,000 SHEET 7914 Pieman SAMPLER ANALYTICAL METHOD

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

ANALYSES: Please state element

SAMPLE NUMBER	SAMPLE TYPE	APERTURE (MICRONS)	CHEMICAL ANALYSES (ppm) Sb	Mo	W	F	In	Cd	Nb	As	Hg	U_3O_8	La	Y	LOCATION E/W	N/S
602 514	F															
515	R															
516	R		3000	< 3	< 50			5		5000						
517	R															
518	M	−80														
		−20	< 30	< 3	< 50											
519	M	−80														
		−20	< 30	< 3	< 50											
520	M	−80														
		−20	< 30	< 3	< 50											
521	R		50	< 3	< 50			5		< 50						
522	R		100	< 3	< 50			10		< 50						
523	R		< 30	< 3	< 50			5		< 50						
524	R		30	< 3	< 50			5		< 50						
525	R					280										
526	R		100	< 3	< 50			10		< 50						
527	M	−80														
		−20														
528	R		< 30	< 3	< 50			20		< 50						
529	R		< 30	< 3	< 50			10		< 50						
602 530	R		< 30	< 3	< 50			20		< 50						
531	R		< 30	< 3	< 50			10		< 50						
532	R		< 30	< 3	< 50			10		< 50						
533	R		100	< 3	< 50			30		300						
534	R		< 30	< 3	< 50			3		< 50						
535	M	−80														
		−20														
536	M	−80														
		−20														
537	R		< 30	< 3	< 50			5		< 50						

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

184097

096

AREA EL 15/76 PROSPECT NUMBER 602 DATE SAMPLED 1977 LABORATORY REPORT NO. NOTATIONS: SAMPLE TYPE – M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock ADDITIONAL

STATE TAS LOCATION DUNDAS 1:100,000 SHEET 7914 SAMPLER P.M.M, N.O. ANALYTICAL METHOD ANALYSES: Please state element

SAMPLE NUMBER	SAMPLE TYPE	APERTURE (SIEVE) MICRONS	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	V	Ti	Zr	P	B	Mn	Ca	Ba	Weight (mgs)	LOCATION E/W	N/S
602 538	M	-80	<50	30	115	80	20	<1		40	10	100											
		-20																					
539	M	-80	<50	20	135	70	15	<1		40	20	60											
		-20	5	10	30	10	10	<0.1	<3	10	<5	50						300	50	30			
602 540	M	-80	<50	20	50	30	15	1		15	15	25											
		-20																					
541	M	-80	<50	10	60	45	10	<1		10	10	125											
		-20																					
542	M	-80	<50	20	230	90	20	1		35	25	80											
		-20	3	10	30	50	30	0.1	<3	10	<5	50						500	100	200			
543	M	-80	<50	45	90	40	15	<1		50	20	55											
		-20																					
544	P		50	200	1000	100	200	1	<3	20	<5	1000	500	>10,000	500	3000	100	300	1000	<30	4957		
545	M	-80	<50	15	40	30	10	<1		15	10	130											
		-20	5	10	<20	30	10	<0.1	<3	5	<5	30						500	50	<30			
546	P		100	100	1000	100	100	1	<3	20	<5	>10000	300	>10,000	1000	3000	300	2,000	<20	30	1826		
547	M	-80	<50	30	10	20	10	<1		<5	<5	55											
		-20	10	30	<20	30	30	0.1	<3	5	<5	20						200	50	50			
548	R		100	20	15	40	70	2		20	20	10											
549	M	-80	<50	2	5	15	10	<1		<5	<5	20											
		-20	5	5	<20	10	5	<0.1	<3	3	<5	<20						200	100	300			
602 550	M	-80	<50	5	5	15	10	<1		<5	<5	20											
		-20																					
551	M	-80	<50	5	10	20	10	<1		<5	<5	10											
		-20																					
552	R		<50	195	60	220	15	1		20	10	140											
553	M	-80	<50	10	40	30	15	<1		45	10	40											
		-20	10	20	30	30	30	0.1	<3	10	<5	30						500	50	100			
554	M	-80	<50	10	40	30	10	<1		55	15	45											
		-20																					
555	M	-80	<50	20	75	50	20	1		110	60	90											
		-20	10	10	20	30	20	<0.1	<3	10	10	30						1000	50	200			
556	M	-80	<50	15	70	40	15	<1		75	20	60											
		-20	20	20	<20	30	30	0.2	<3	10	<5	30						500	50	100			
557	P		100	100	1000	100	100	0.5	<3	43	<5	200	50	>10,000	100	1000	200	100	<20	<30	287		
558	M	-80	<50	10	20	20	15	<1		40	10	70											
		-20	20	20	<20	10	50	0.2	<3	10	<5	20						300	100	300			
559	M	-80	<50	25	75	40	20	<1		55	10	45											
		-20	20	30	<20	30	30	0.1	<3	10	<5	30						300	100	300			
602 560	M	-80	<50	20	145	60	20	1		70	35	50											
		-20	10	20	<20	30	30	0.1	<3	20	<5	100						1000	100	200			
561	P		100	30	1000	100	100	0.5	<3	20	<5	2000	100	3000	200	1000	200	200	20	50	1114		
562	M	-80	<50	20	100	50	15	<1		60	20	45											
		-20	20	30	20	20	30	0.1	<3	20	<5	100						1000	300	200			

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

184098

097

AREA EL 13/76 PROSPECT NUMBER 602 1:100,000 SHEET

STATE LOCATION

DATE SAMPLED

SAMPLER

LABORATORY REPORT NO.

ANALYTICAL METHOD

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

ANALYSES: Please state element

ADDITIONAL

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (MICRONS)	CHEMICAL ANALYSES (ppm)												LOCATION	
			Sb	Mo	W	F	In	Cd	Nb	As	Hg	U_3O_8	La	Y	E/W	N/S
602538	M	-80														
		-20														
539	M	-80				200						<5				
		-20	<30	<3	<50											
602 540	M	-80														
		-20														
541	M	-80														
		-20														
542	M	-80				<200						<5				
		-20	<30	<3	<50											
543	M	-80														
		-20														
544	P		1,000	<3	<50		30	<3	<20	300	<30		<100	<10		
545	M	-80				260						<5				
		-20	<30	<3	<50											
546	P		3000	<3	500		30	<3	<20	300	<30		<100	<10		
547	M	-80														
		-20	<30	<3	<50											
548	R					280										
549	M	-80														
		-20	<30	<3	<50											
602 550	M	-80														
		-20														
551	M	-80														
		-20														
552	R					1500										
553	M	-80														
		-20	<30	<3	<50											
554	M	-80														
		-20														
555	M	-80														
		-20	<30	<3	<50											
556	M	-80				380						<5				
		-20	<30	<3	<50											
557	P		2000	<3	<50		10	<3	<20	300	<30		<100	<10		
558	M	-80														
		-20	<30	<3	<50											
559	M	-80														
		-20	<30	<3	<50											
602 560	M	-80														
		-20	<30	<3	<50											
561	P		2000	<3	200		30	<3	<20	300	<30		<100	<10		
562	M	-80														
		-20	<30	<3	<50											

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

184099
P bromoform sepn Panned Cons

U98

AREA EL 15/76 PROSPECT NUMBER 602 DATE SAMPLED 1977 LABORATORY REPORT NO.

STATE TAS LOCATION DUNDAS 1:100,000 SHEET 7914 SAMPLER P.M. ANALYTICAL METHOD -80 mesh: AAS -20 mesh, P: Emission Spec.

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

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (UNLESS OTHERWISE INDICATED)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	V	Ti	Zr	P	B	Mn	Ca	Ba	Weight (mgs)	LOCATION E/W	N/S
602 562	M	-80	<50	20	100	50	15	<1		60	20	45											
		-20	20	30	20	20	30	0.1	<3	20	<5	100						1000	300	200			
563	M	-80	<50	10	70	25	10	<1		40	15	80											
		-20	5	10	<20	30	10	<0.1	<3	10	<5	30						300	300	300			
564	P		200	20	1,000	100	100	20	<3	20	<5	2,000	100	1000	200	2000	100	100	1000	<30	12.86g		
565	M	-80	<50	10	65	30	15	<1		40	15	30											
		-20	50	30	100	10	50	0.5	<3	10	<5	30						500	500	300			
566	P		200	30	2000	100	100	0.5	<3	20	<5	2,000	200	2,000	300	2000	100	200	<20	<30	5259		
567	M	-80	<50	10	45	25	10	<1		35	10	25											
		-20	30	20	30	10	50	0.3	<3	10	<5	30						300	200	200			
568	M	-80	<50	5	20	20	10	<1		15	10	25											
		-20																					
569	M	-80	<50	5	10	15	15	<1		5	5	10											
		-20	20	10	20	10	30	<0.1	<3	5	<5	20						200	100	200			
602 570	R		50	95	80	25	40	2		35	45	20											
571	M	-80	<50	20	20	35	10	<1		5	10	80											
		-20	20	30	<20	5	30	0.1	<3	5	<5	20						300	50	30			
572	F		<50	10	55	60	10	<1		10	25	380											
573	M	-80	<50	10	60	25	30	1		10	15	60											
		-20																					
574	M	-80	<50	20	20	20	10	<1		10	5	30											
		-20																					
575	R		50	5	960	320	80	3		20	20	10											
576	R		<50	50	1%	9%	45	18		35	30	15											
577	R		50	10	8600	6600	50	10		35	25	10											
578	M	-80	<50	2	40	35	10	<1		<5	5	60											
		-20	10	20	<20	5	30	<0.1	<3	3	<5	<20						100	50	<30			
579	R		<50	95	1.5%	6400	50	15		25	30	20											
580	M	-80	<50	5	15	25	10	<1		<5	5	40											
		-20																					
581	M	-80	<50	2	10	10	5	<1		<5	<5	60											
		-20																					
582	M	-80	<50	5	300	185	10	<1		<5	5	30											
		-20	30	20	30	10	30	0.1	<3	3	<5	20						300	100	30			
602 583	M	-80	<50	10	50	30	10	<1		15	10	20											
		-20	20	20	<20	20	20	<0.1	<3	5	<5	20						500	30	50			
584	P		300	100	10,00	1.00	100	0.3	<3	20	<5	1000	100	2000	300	3000	300	200	<20	<30	9208		

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

184100

099

AREA EL 15/76 PROSPECT NUMBER 602 DATE SAMPLED July 1977 LABORATORY REPORT NO. NOTATIONS: SAMPLE TYPE — M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock ADDITIONAL

STATE TAS LOCATION Dundas 1:100,000 SHEET 7914 SAMPLER P.M. ANALYTICAL METHOD ANALYSES: Please state element

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (microns)	CHEMICAL ANALYSES (ppm) Sb	Mo	W	F	In	Col	Nb	As	Hg	U_3O_8	La	Y	LOCATION E/W	N/S
602 562	M	-80														
		-20	<30	<3	<50											
563	M	-80														
		-20	<30	<3	<50	220										
564	P		2000	<3	300		30	<3	<20	500	<30					
565	M	-80				340						<5	<100	<10		
		-20	<30	<3	<50											
566	P		2000	<3	500		20	<3	<20	300	<30					
567	M	-80														
		-20	<30	<3	<50											
568	M	-80														
		-20														
569	M	-80														
		-20	<30	<3	<50											
570	R					280										
571	M	-80														
		-20	<30	<3	<50											
572	F					<200										
573	M	-80				300						<5	<100	<10		
		-20														
574	M	-80														
		-20														
575	R					200										
576	R					<200										
577	R					200										
578	M	-80				220										
		-20	<30	<3	<50											
579	R					240										
580	M	-80														
		-20														
581	M	-80														
		-20														
582	M	-80		<3	<50											
		-20	<30													
583	M	-80		<3	<50	260						<5				
		-20	<30													
602 584	P		2000	<3	50		30	<3	<20	1,000	<30		<100	<10		

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

184101

100

AREA EL 15/76 PROSPECT NUMBER 602 DATE SAMPLED LABORATORY REPORT NO. ANALYTICAL METHOD

STATE TAS LOCATION Dundas 1:100,000 SHEET 7914 SAMPLER P.M.M.

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

SAMPLE NUMBER	SAMPLE TYPE	APERTURE SIZE (MICRONS)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	V	Ti	Zr	P	B	Mn	Ca	Ba	Weight (mgs)	LOCATION E/W	N/S
602 585	M	-80	<50	15	70	40	15	1		40	15	40											
		-20	50	20	20	10	50	1	<3	10	<5	20						500	50	100			
586	M	-80	<50	2	5	5	10	<1		<5	5	5											
		-20	<1	10	<20	10	10	<0.1	<3	5	<5	<20						100	30	30			
587	M	-80	<50	30	75	40	15	<1		25	30	50											
		-20	10	10	20	30	20	0.1	<3	3	<5	20						300	30	50			
588	M	-80	<50	45	200	95	20	1		50	40	60											
		-20																					
589	M	-80	<50	10	50	10	10	1		20	15	65											
		-20	20	20	100	20	50	0.5	<3	5	<5	100						500	30	30			
602 590	M	-80	<50	40	150	50	15	1		60	40	70											
		-20																					
591	M	-80	<50	30	70	50	20	1		30	30	60											
		-20																					
592	M	-80	<50	50	140	150	20	1		40	55	60											
		-20																					
593	M	-80	<50	50	190	240	20	<1		45	40	45											
		-20																					
594	M	-80	680	110	4200	2600	25	9		350	40	1700											
		-20																					
595	M	-80	50	25	60	110	15	1		30	20	340											
		-20	10	30	20	30	50	0.2	<3	3	<5	30						300	50	50			
596	M	-80	<50	20	50	50	10	<1		25	10	40											
		-20																					
597	M	-80	50	95	1200	1200	20	1		60	50	65											
		-20	5	20	30	30	20	<0.1	<3	<3	<5	20						500	30	50			
598	M	-80	<50	50	185	190	20	1		40	50	55											
		-20	5	20	30	30	20	<0.1	<3	<3	<5	30						300	30	<30			
599	M	-80	<50	20	50	70	10	1		20	10	70											
		-20																					
602 600	M	-80	<50	10	40	50	10	<1		10	10	90											
		-20	10	10	<20	30	20	<0.1	<3	<3	<5	20						300	30	<30			
601	M	-80	50	10	150	130	10	<1		25	20	100											
		-20	10	10	30	30	30	0.1	<3	3	<5	30						300	50	30			
602	M	-80	<50	10	125	110	15	1		20	25	200											
		-20	30	10	50	30	50	0.3	<3	5	5	50						1,000	30	<30			
603	M	-80	<50	20	50	40	10	<1		20	10	40											
		-20																					
604	M	-80	<50	30	125	170	10	<1		30	25	75											
		-20																					
605	M	-80	<50	2	5	10	10	<1		<5	<5	10											
		-20	5	5	<20	10	10	<0.1	<3	<3	<5	<20						100	<30	<30			
606	M	-80	<50	<2	5	10	10	<1		<5	<5	10											
		-20																					

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

184102

101

AREA EL 15/76 PROSPECT NUMBER 602 1:100,000 SHEET 7914

STATE TAS LOCATION Dundas

DATE SAMPLED

SAMPLER P.M.M.

LABORATORY REPORT NO.

ANALYTICAL METHOD

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

ANALYSES: Please state element

ADDITIONAL

SAMPLE NUMBER	SAMPLE TYPE*	APERTURE (MESH/MICRONS)*	CHEMICAL ANALYSES (ppm) Sb	Mo	W	F	In	Cd	Nb	As	Hg	U_3O_8	La	Y	LOCATION E/W	N/S
602 585	M	-80				300						<5				
		-20	<30	<3	<50											
586	M	-80														
		-20	<30	<3	<50											
587	M	-80														
		-20	<30	<3	<50											
588	M	-80														
		-20														
589	M	-80														
		-20	<30	<3	<50											
602	M	-80														
		-20														
591	M	-80														
		-20														
592	M	-80														
		-20														
593	M	-80														
		-20														
594	M	-80														
		-20														
595	M	-80														
		-20	<30	<3	<50											
596	M	-80														
		-20														
597	M	-80														
		-20	<30	<3	<50											
598	M	-80														
		-20	<30	<3	<50											
599	M	-80														
		-20														
602 600	M	-80				<200						<5				
		-20	<30	<3	<50											
601	M	-80														
		-20	<30	<3	<50											
602	M	-80				<200						<5				
		-20	<30	<3	<50											
603	M	-80														
		-20														
604	M	-80														
		-20														
605	M	-80				200										
		-20	<30	<3	<50											
606	M	-80														
		-20														

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

184103

102

AREA EL 15/76 PROSPECT NUMBER 602 DATE SAMPLED LABORATORY REPORT NO. NOTATIONS: SAMPLE TYPE – M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock ADDITIONAL

STATE TAS LOCATION Dundas 1:100,000 SHEET 7914 SAMPLER P.M.M. ANALYTICAL METHOD ANALYSES: Please state element

SAMPLE NUMBER	SAMPLE TYPE	APERTURE (SIEVE/MICRONS)	CHEMICAL ANALYSES (ppm) Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	V	Ti	Zr	P	B	Mn	Ca	Ba	Weight (Mgs)	LOCATION E/W	N/S
602 607	M	-80	<50	2	10	15	10	<1		<5	<5	10											
		-20																					
608	M	-80	<50	10	70	40	15	<1		20	20	15											
		-20	30	30	<20	30	50	0·2	<3	10	<5	100						500	100	200			
609	M	-80	<50	5	25	10	10	<1		5	<5	520											
		-20																					
602 610	M	-80	<50	<2	15	15	5	<1		5	5	160											
		-20																					
611	F		<50	10	120	370	10	<1		10	5	230											
612	M	-80	<50	<2	30	40	10	<1		<5	5	75											
		-20																					
613	R		<50	30	60	180	20	1		15	10	20											
614	M	-80	<50	2	120	10	5	<1		5	10	4400											
		-20																					
A 615	M	-80	<50	2	15	10	5	<1		<5	<5	105											
		-20																					
B		-80	<50	5	10	20	5	<1		<5	<5	25											
616	M	-80	<50	10	30	40	5	<1		10	5	75											
		-20																					
617	M	-80	<50	<2	10	20	10	<1		<5	<5	60											
		-20																					
618	M	-80	<50	5	30	30	10	<1		5	<5	20											
		-20																					
619	M	-80	<50	<2	15	20	10	<1		<5	5	190											
		-20	10	10	<20	5	20	<0·1	<3	5	<5	30						300	30	<30			
602 620	P		300	100	1,000	100	100	0·1	<3	20	50	>10,000	100	2000	500	3000	100	200	<20	30	46·19g		
621	M	-80	<50	<2	15	15	10	<1		<5	5	140											
		-20	30	20	<20	30	30	<0·1	<3	3	<5	20						200	50	50			
622	P		300	100	1,000	100	100	0·1	<3	20	20	5000	100	2000	1000	3000	200	100	<20	30	21·80g		
623	M	-80	<50	2	10	20	10	<1		<5	<5	110											
		-20																					
624	M	-80	<50	5	10	15	10	<1		<5	<5	90											
		-20	3	10	<20	5	30	<0·1	<3	<3	<5	20						200	<30	<30			
COONEYS (TRIAL Hbr. Rd)	P		>10000	300	1,000	1,000	300	30	<3	10	10	50	100	2,000	100	>10,000	>10,000	>10,000	20	<30	4050		
649001	M		210	80	360	225	10	14															
THR 1	M	-80	250	150	160	40	50	2															
THR 2	M	-80	20	1300	30	20	480	1															
THR 3	M	-80	100	150	100	25	190	<1															
THR 4	M	-80	50	380	25	20	280	1															

OR mparison urposes NoTin LIS|76)

PACMINEX PTY. LTD. — SAMPLE DATA SHEET

184104

103

AREA _____ PROSPECT NUMBER _____ DATE SAMPLED _____ LABORATORY REPORT NO. _____ NOTATIONS: SAMPLE TYPE – M - Creekmud, S - Soil, SA - Soil Auger, RC - Drill Core, RP - Percussion Chips, R - Rock ADDITIONAL _____

STATE _____ LOCATION _____ 1:100,000 SHEET _____ SAMPLER _____ ANALYTICAL METHOD _____ ANALYSES: Please state element

SAMPLE NUMBER	SAMPLE TYPE	APERTURE (SIEVE) (MICRONS)	CHEMICAL ANALYSES (ppm) Sb	Mo	W	F	In	Cd	Nb	As	Hg	U_3O_8	La	Y	LOCATION E/W	N/S
602 607	M	-80														
		-20														
608	M	-80				280						<5				
		-20	<30	<3	<50											
609	M	-80														
		-20														
602 610	M	-80														
		-20														
611	F					<200										
612	M	-80														
		-20														
613	R					2200										
614	M	-80														
		-20														
A 615	M	-80				<200										
		-20														
B		-80				<200										
616	M	-80														
		-20														
617	M	-80														
		-20														
618	M	-80				220										
		-20														
619	M	-80				<200						<5				
		-20	<30	<3	<50											
602 620	P		3000	<3	1000		50	<3	<20	100	<30		<100	<10		
621	M	-80				<200						<5				
		-20	<30	<3	<50											
622	P		3000	<3	300		30	<3	<20	500	<30		<100	<10		
623	M	-80														
		-20														
624	M	-80				<200						<5				
		-20	<30	<3	<50											
COONEYS (TRIAL HBC RD)	P		1000	<3	<50		30	<3	<20	>10,000	<30		<100	<10		

184105

APPENDIX II

DRAINAGE SAMPLES = SAMPLE DESCRIPTIONS AND -80 MESH SAMPLE ANALYSES

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Sample Description
Montezuma Falls Area							
602 001R	20	250	80	45	20	2	Conglomeratic rock with sulphide veining (in Eb)
002R	30	280	160	70	15	5	blue green hornfels-chert-red gossany surface (in Eb)
003M	<50	10	150	20	10	<1	creek mud (in Ed)
004P							creek panned concentrate at 003 m (in Ed)
005R	20	125	700	200	15	1	limonite ooze in main (Montezuma Falls) creek (in Ed)
006M	<50	35	55	70	10	1	creek mud sample - (bank) - (in Eb)
007M	50	0.16%	150	125	20	3	tributory creek mud (in Eb)
008R	<20	680	95	80	20	2	scree float - gossan - not far from falls (in Eb)
009M	<50	20	90	70	10	1	mud - silt from Montezuma Creek (drains Eb, Ed)
010M	<50	120	105	480	10	3	creek mud (drains (Ed)
011R	60	75	110	30	10	1	sulphides along slicken sides of fractured (?siltstone) (in Eb)
012L	50	320	180	100	40	8	red brown limonitic ooze from rock (in Eb)
013M	<50	5	30	45	5	<1	black swamp mud (drains Eb)
014M	50	30	45	50	5	1	Fe rich red brown mud (drains Eb)
015M	50	80	70	160	10	1	coarse black creek mud : Frazer Creek (drains Eb)
016R	20	30	260	95	10	1	Qtz veins in slate - some limonite (in Eb)
017P							panned concentrate, site 015M (in Eb)
018M	<50	10	25	20	10	<1	yellow brown (gully) creek mud (drains Eb)
019M	50	20	40	20	15	1	yellow mud in dry gully (drains Eb)
020M	100	20	55	25	10	1	brown grey mud (drains Eb)
021L	120	230	860	0.58%	35	17	silvery sulphide bearing gossan over weathered gabbro (on Eg in Eb)
022R	600	360	220	600	250	13	limonitic rich veins in dolomitic siltstone (in Eb)
023M	600	35	40	30	15	1	stream sediment mud (drains Eb)
024P							panned concentrate - silty material, site 025M (in Eb)
025M	100	5	20	20	10	<1	pale grey creek mud (in Eb)
026P							pan concentrate at confluence of 2 streams, site 207L (in Eb)
027L	80	0.50%	20	70	20	4	pale blue grey sulphide "slurry" in vein some Fe stain (in Eb)

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Sample Description
602 028P							pan concentrate sample from creek, site 029M
029M	200	55	100	30	30	1	yellow mud in stream (in Eb)
030M	750	60	30	20	10	<1	mud in tributary of Frazer Creek (drains Eb)
031P							silty pan concentrate sample, site 030M (in Eb)
032R	0.45%	420	20	30	60	2	Fe stained?; Qtz veined?; siltstone boxwork? (in Eb)
033M	100	20	55	20	10	<1	mud in creek (drains Eb)
034P							pan concentrate sample above 033M (in Eb)
035P							pan concentrate from fast flowing stream (drains Eb)
036R	80	50	50	20	5	<1	Mn rich black powder in conglomerate (in Era)
037M	<50	35	200	80	10	1	Creek mud (drains Era)
038P							pan concentrate sample, site 037M (drains Era)
039L	50	520	860	370	10	1	Fe rich cement of contemporary gravels (drains Era)
040R	<20	250	40	20	<5	1	blue altered porphyry with disseminated sulphides (in Eb)
041P							panned concentrate in creek, site 042M (drains Eb, Era)
042M	<50	20	185	165	10	1	mud in fast flowing creek (drains Eb, Era)
043M	<50	20	85	40	20	<1	creek mud above Fe stained siltstone and qtz (drains Eb)
044P							panned concentrate in creek, site 043M (drains Eb)
045R	<20	160	330	200	20	2	sulphides replacing slates on bedding (in Eb)
046M	<50	10	50	40	15	<1	creek mud (drains Eb)
047P							panned concentrate, site 046M (drains Eb)
048R	680	30	260	90	10	2	Fe stained cement in contemporary conglomerate (on Eb)
049M	<50	25	70	95	25	1	Fe rich stream mud (drains Eb)
050P	<50	20	35	75	10	<1	panned concentrate, site 049M (drains Eb)
051M	100	25	70	110	15	1	mud in swift flowing tributary (drains Eb)
052P							panned concentrate, site 051M (drains Eb)
053P							panned concentrate, above other junction near 051M (drains Eb)
054L	0.21%	0.17%	0.11%	2.10%	720	540	rich limonite veins with silvery sulphide (in Eb)
055R	0.37%	80	85	60	35	3	pyrite with ? other sulphides - limonitic stains (in Eb)

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Sample Description
602 056P							panned concentrate above 007M (drains Eb)
057R	0.27%	2.10%	560	1.0%	720	380	sulphide rich ore from Godkin Ridge (in Eb)
058R	80	210	0.29%	800	10	9	PbS, ?ZnS, Py, ?Chalco rich ore in qtz-carbonate gangue (in Eb?)
059R	50	10	0.26%	1.30%	20	14	sulphide in calcite + ?talc rich gangue (in Eb or Ec?)
060M	<20	20	40	120	10	<1	mud at end of Wallace Tramway (drains Pv0)
061P							panned concentrate at locality 060M (drains Pv0)
062M	<20	20	200	430	15	1	mud in creek close to 060M (drains Eb, Ec)
063P							panned concentrate at 062M (drains Eb, Ec)
064M	<20	20	150	0.12%	10	5	mud in creek near tramway (drains Eb, Ec)
065P							panned concentrate at site 064M (drains Eb, Ec)
066L	30	60	0.10%	1.15%	15	2	limonite ooze in black slates (in Eb)
067M	<20	10	175	220	5	<1	mud in creek close to tramway (drains Eb, Ec)
068P							panned concentrate at site 067M (drains Eb, Ec)
069R	100	0.14%	1.75%	1.10%	10	37	float rich in PbS and other sulphides in creek (drains Eb, Ec)
070L	30	35	0.20%	0.12%	10	1	limonite ooze in creek (in Eb)
071P							panned concentrate at 072M (drains Eb,Ec)
072M	<20	20	260	200	15	<1	mud in creek (drains Eb, Ec)
073M	<20	20	85	240	10	<1	mud in fast flowing creek (drains Eb)
074P							composite panned concentrate, at site 073M (drains Eb)
075M	50	45	55	260	10	1	mud, no waterfalls (drains Eb, Ec)
076P							panned concentrate at site 075M (drains Eb,ec)
077L	90	80	280	320	20	2	limonite ooze on west bank of Frazer Creek (in Eb)
078R	700	3.7%	0.13%	0.16%	350	95	Py-?chalcopyrite-Arsenopyrite?-Bornite? rich sulphide ore (in Eb)
079M	50	560	55	70	10	1	blue grey mud in bank of Frazer Creek close to above location (drains Eb)
080P							panned concentrate 20 m upstream from 079M (drains Eb)
081M	<20	20	80	140	10	<1	mud in bank of fast flowing Great Northern Creek (drains Eb)
082P							panned concentrate at site 081M (drains Eb)
083L	20	130	55	80	10	1	limonite ooze on west side of creek (in Eb) Carbine tract (near Eb/Ec contact)

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Sample Description
602 084L	⩽20	30	0.11%	80	20	2	limonite rich material on Carbine Tract (near Eb/Ec contact)
085R	60	20	700	70	20	2	carbonate rich rock outcrop on Carbine Tract
086L	⩽20	10	70	30	10	⩽1	limonite ooze on Carbine Trace (in Ec?)
087R	120	.18%	16%	37.6%	10	0.15%	PbS-?ZnS-chalcopyrite-siderite ore (working) (Pu0)
088M	⩽20	140	350	0.14%	10	7	mud in creek draining above deposit (drains Pu0)
089P							panned concentrate at site 088M (drains Pu0)
090L	20	50	0.66%	0.37%	30	14	limonite ooze along tract (near Pu0/Ec contact)
091M	0.40%	5	10	40	10	⩽1	buff brown mud (in Ec, drains Pu0/Ec contact)
092P							panned concentrate at site 091M (in Ec, draining Pu0/Ec contact)
093R	60	280	85	360	70	7	arsenopyrite-chalcopyrite ore (+?PbS) in siderite gangue (in Ec)
Melba Flat Area							
602 094M	30	5	300	95	10	1	brown mud draining Serpentine near railway, Melba Flat Area (drains Es, Ec)
095P							as 094M location (drains Es and Ec)
096L	20	10	145	125	20	3	gossan overlying serpentinite (on Es)
097M	⩽20	5	180	35	15	1	serpentinite O/c near railway upstream side (drains Es)
098P							at 097M location (drains Es)
099M	500	20	180	45	15	2	at confluence draining serpentinite (drains Es, Era and Eb)
100P							at 099M location (drains Es, Era, Eb)
101M	⩽20	20	160	50	15	1	in swamp near Melba Siding (drains Es, Ec and railway)
102P							in fast flowing creek near 101M (drains Es, Ec and railway)
103M	620	15	95	50	5	⩽1	mud near walking trace north Melba Flat (drains Ec,? Es)
104P							at 103M location (drains Ec and (?) Es)
105M	⩽20	20	35	80	10	⩽1	mud in E-W flowing sluggish swamp drainage (drains Ec)
106P							at 105M location (drains Ec)
107M	⩽20	30	370	100	15	⩽1	on bank of Cuni Creek (drains Ec)
108P							16 107M location (drains Ec)
109M	⩽20	600	200	320	10	2	creek near mine working; contamination possible (drains Ec and Es)
110P							at 109M site

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Sample Description
602 111R	260	640	21.6%	1.30%	10	190	ZnS, PbS in brecciated rock (Ec and Eg)
112M	<20	65	15	30	5	<1	mud in swamp close to vehicle access (drains Ec)
113M	20	20	40	170	10	1	mud in low drainage near track (drains Ec)
114M	20	40	120	360	10	2	yellow mid in creek parallel to road several metres westwards (drains Ec, road material?)
115P							at 114M location
116M	740	0.11%	0.11%	840	100	2	in creek near old railway (drains Ec, Eb, railway, Grand Prize Mine etc.)
117M	300	480	660	400	50	1	drains tramway - contaminated? (drains Ec, Eb etc. railway, Grand Prize etc.)
118P							location 117M, contaminated
119M	20	20	40	50	5	1	close to abondoned railway (drains Ec, railway)
120P							at 119M location (drains Ec, railway)
121M	80	5	40	40	5	1	at 119M location near railway (drains railway, Ec and Ord-Sil)
122P							at 121M site
123M	<20	5	45	50	5	<1	brown mud in swamps creek (drains Ec and Sil-Dev.)
124P							at 123M site
125M	50	20	85	100	10	<1	at creek near railway (drains Ec)
126P							at 125M site
127M	280	20	80	20	10	<1	yellow mud upstream of highway (drains Es, Era)
128P							at 127M location
129M	200	70	340	720	10	4	yellow mud near gabbro (drains Es, Era?, tramway?)
130P							at 129M location
131M	80	30	100	80	10	1	in small creek near raod (drains Es, Era (?) Grand Prize Mine?)
132P							at 131M site
133M	0.15%	40	90	70	5	<1	brown mud (drains Es, Era,? Grand Prize extensions?)
134P							at 133M site
135M	50	30	90	70	10	1	upstream from N.E. Dundas tramway (drains Es, Era, Grand Prize Extensions?)
136P							at 135M site
137M	30	20	300	50	5	1	as previous location (drains Es, Era, Eb, Grand Prize?)
138P							at 137M location

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Sample Description
602 139M	60	20	960	0.17%	15	8	red brown mud in swampy drainage (drains Ec; (?) Lead Blocks Mine)
140M	760	70	0.15%	260	15	1	brown mud close to mine workings (drains Ec, Es; mine workings?, railway)
141P							at 140M site
142M	20	5	85	20	<5	<1	grey (?) H_2S smelting mud (drains Ec, Es, railway)
143P							at 142M site
144M	50	20	820	140	10	<1	in creek with swampy drainage (drains Ec, Es, highway)
145P							at 144M site
146M	20	390	720	130	15	1	dark red brown mud (drains tramway, McKimmie Mine, Ec
147P							at 146M site
148M	700	10	135	280	10	<1	drains Eh, Er, Es and Grand Prize - Razorback line (check)
149P							at 148M site
150M	30	30	180	40	10	1	drains Efe, Eco, Ef.
151P							15 150M site
152M	0.60%	0.31%	0.22%	0.24%	240	7	drains directly off the Grand Prize Mine. Eb, Efe
153P							at 152M site
154M	500	35	180	75	10	<1	drains Eb, Es etc. and Grand Prize - Razorback line
155P							at 154M site
156M	80	20	120	60	10	1	drains Eb, Efe - (?) Grand Prize area
157M	40	45	50	80	<5	1	drains Eb, Eh, Era
158P							at 157M site
159M	0.17%	0.24%	0.22%	0.19%	240	3	drains Grand Prize Mine
160P							at 159M site
161M	150	10	50	30	<5	<1	drains Eh, Er, Efe (check Sn Section 602 539M)
162M							at 161M site
163M	20	20	50	70	<5	<1	drains Eco, Eb, etc.
164P							at 163M site

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Sample Description
Montezuma North Grid											
602 165R	150	0.44%	90	27.2%	10	5					Pyrite - ? stibnite - chalcocite - ? Bi ore (in Pu0)
166M	20	45	105	180	15	1					in creek near above working (lined up creek) (drains Pu0 Ec)
167P											at 166M site
168M	100	20	60	160	15	<1					yellow mud in small gully (drains Pu0)
169P											at 168M site (Fe cemented gravels) O/C siltstone with disseminated? chalcopyrite
170R	30	210	450	0.40%	15	8					? chalcopyrite as thin veins at above location (in Pu0)
171M	200	60	110	0.17%	20	13					near pyrite rich rock, plus old workings (drains Pu0; ?Ec)
172P											at 171M site
173R	20 *300	0.11% 100	0.14% 300	0.18% 300	20 50	3 2	<3	5	<5	<20	pyrite and gossan at above site (in Pu0)
174R	20	60	0.13%	0.75%	15	12					siderite and PbS and ?ZnS in brecciated fault zone on side of road (in Pu0)
175M	20	15	110	250	10	<1					mud in west flowing creek, fawn siltstone O/C (drains Pc, Pu0)
176P											at 175M site
177M	<20	20	60	140	15	<1					mud in black shale O/C creek (drains Pc, Pu0)
178P											at 177M site
179M	20	40	75	85	10	<1					mud in black slates O/C creek (drains Pc, Pu0)
180P											at 179M site
Carbine North Grid											
181M	20	30	260	600	15	2					in fast flowing Dundas Rivulet (drains Pc Pu0, Ec)
182P											at 181M site
183M	420	40	340	760	10	4					in creek with O/C of pyrite-bearing qtz veined fine cherty siltstones - drains Pu0, Ec (see 602 424M)
184P											at 183M site
185M	<20	35	115	250	10	<1					O/C = crenulated ?Oonah Schists (drains Pc, Pu0)
186P											at 185M site

*Emission Spec. Results

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Sample Description
602 187L	20	760	0.30%	520	20	3	rich red limonitic ooze on side of creek, exuding from black slates
188M	<20	40	290	600	15	1	O/C = calc-silicate like rock (drains Pu0, Ec; (?)Es)
189P							at 188M site
190R	20	65	0.50%	0.31%	10	6	PbS - SnS in carbonate. S_1O_2 gangue (in Pu0)
191P							at 192M site
192M	<20	80	470	0.22%	15	4	PbS-ZnS in dolomite O/C : (drains Pu0, Ec)
North Montezuma Grid							
193M	20	20	90	70	10	<1	near Corduroy track in upper reaches of creek (drains Pu0, Ec)
194P							at 193M site
195M	20	30	150	120	15	<1	O/C = indurated dark grey siltstones (drains Pu0, Ec)
196P							at 195M site
197M	20	50	135	380	20	1	pyrite-bearing micaceous siltstones O/C (drains Pc, Pu0, Ec)
198P							at 197M site
199M	<20	10	10	40	10	<1	crenulated micaceous schists O/C near waterfall (drains Pc)
200P							at 199M site
201M	<20	20	65	190	10	1	at confluence of major drainage (drains Pc, Pu0, Ec)
202P							at 201M site
203M	<20	20	65	70	10	<1	in fast flowing creek (drains Pc, Pu0, Ec)
204M							at 203M site
205M	<20	25	80	150	10	1	dark grey siltstone O/C (drains Pc)
206P							at 205M site
207M	<20	5	10	140	5	<1	in creek flowing S.E. (drains Pc)
208P							at 207M site
209M	<20	20	85	50	10	<1	at major bifuication in fast flowing creek (drains Pc, Pu0, Ec)
210P							at 209M site
211M	20	15	70	75	10	1	small patch of limonite ooze near sample (drains Pu0, Ec)
212P							at 211M site
213R	<20	30	185	400	15	3	pyrite - ?other sulphides disseminated in grey blue cherty rock on Montezuma base line (27.5N, 60E) (Pu0?)

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Sample Description
East Carbine Grid (South)							
602 214 M	∠20	20	50	130	10	∠1	schistose rock O/C (Pc)
215P							at 214M site
216M	20	30	100	240	10	∠1	Pc outcrop
217P							at 216M site
218M	0.71%	10	10	220	5	∠1	Qtz veined schistose rock O/C (drains Pc)
219P							at 218M site
220M	50	30	130	240	5	1	Pc outcrop
221P							at site 220M
South Montezuma Grid							
222M	80	15	40	95	10	∠1	in silicified black slate O/C (drains Pu0, Ec)
223P							at 222M site
224M	∠20	30	195	200	15	∠1	in fast flowing creek (drains Ec)
225P							at 224M site
226M	∠20	40	210	150	15	1	drains Ec
227P							at 226M site
228M	20	30	170	210	10	1	in fast flowing creek draining Fe-rich swampy terrain (drains Pu0 and Ec)
229P							at 228M site
230M	∠20	35	115	90	10	1	O/C of breccia with carbonate matrix in small tributary (drains Pu0, Ec)
231P							at 230M site
Comet Creek : East of Monte-zuma South Grid							
232M	∠20	40	330	290	10	1	in schistose country rock (drains Pu0, Ec)
233P							at 232M site
234M	20	30	115	110	10	1	in fast flowing main creek (drains Pu0, Ec)
235P							at 234M site
236M	∠20	25	60	50	10	∠1	O/C of black crenulated micaceous siltstones (drains Pc)

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Sample Description
602 237P							at 236M site
238M	<20	15	120	90	10	<1	creek in cherty bluish foliated rock (Pu0) with pyrite (drains Pu0, Ec)
239P							at 238M site (peg 10S, 20E)
240R	<20	35	125	50	10	<1	at above Pu0 location (abundant disseminated pyrite)
Comet Creek Ainslie Grid							
241M	<20	20	80	80	15	<1	in main Comet Creek (drains Pc, Pu0, Ec)
242P							at site 241M
243R	<20	15	0.35%	0.12%	30	3	PbS-ZnS-siderite in folded micaceous siltstone at old mine workings to side of creek (in Pu0)
244M	400	15	900	130	10	<1	down creek from above in small creek : see 502 376-384. (drains Pu0)
245P							at 244M site
246M	<20	80	450	370	15	1	crenulated pyritic shales above drill hole site (drains Pu0, Eh)
247P							at site 246M
248M	<20	30	95	120	10	<1	in Comet Creek (drains Pc, Pu0, Ec etc.)
249P							at 248M site
North Comet Grid							
250M	< 20	10	20	50	5	<1	interbedded shales with ab und pyrite (drains Pc, Pu0)
251P							at 250M site
252M	<20	20	60	70	5	<1	in creek with limonite staining (possible mine contamination) (drains Pu0,Pc)
253P							at 252M locality
254M	<20	10	15	60	5	<1	indurated dark slates and siltstones (drains Pu0)
255P							at 254M locality
256M	<20	20	100	70	10	<1	indurated dark shales and siltstones (drains Pu0, Pc)
257P							at 256M site
258R	<20	20	260	70	30	1	ferruginous qtz-rich "gossanous" rock near 252M, in Pu0)

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Sample Description
East South Comet Grid							
602 259M	<20	30	110	65	10	<1	at head washes of small creek (drains Eh, Pu0)
260P							at 259M site
261M	<20	20	115	80	15	<1	similar to 259M (drains Eh, Pu0)
262P							at 261M site
Mariposa East Grid							
263M	10	10	145	300	6	0.6	drains Pu0
264P							at 263M site
265M	<20	10	105	120	15	<1	drains Pu0
266P							at 265M site
267M	<20	20	940	600	5	1	in greywacke type sequence (drains Eh, Ec)
268P							at 267M site
269R	20	210	40.0%	3.5%	10	15	pyrite-PbS-ZnS in fault zone near 267M site in Eh
270M	<20	20	250	280	15	<1	at creek near (track) and road - drains Eh, Pu0
271P							at 270M site
East South Comet Grid							
272M		16	98	90	10	0.6	in main creek : hose, star picket etc. debris - contaminated
273P							at 272M location
274M	<20	5	25	60	10	<1	quartzite outcrop, drains Eh, Pu0
275P							at 374M site
South Comet Grid							
276M		12	300	58	4	0.6	just upstream from Kosminski Mine Site (drains Eh, Pu0, Ec, Joll)
277P							at 276M site
278M	20	40	0.15%	720	15	2	in greywacke O/C near road (drains Pu0)
279P							at 278M site

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Sample Description
602 280M	10	7	80	125	8	0.4	slow flowing creek close to apparent black slates O/C (drains Pu0)
281P							at 280M site
282R	<20	10	0.14%	120	5	10	green encrustation with ? PbS and Fe - poor sphallerite in siliceous rock O/C on side of road close to 280M site (near Pu0/Ec contact)
Hassel Gravel Pit Grid							
283M	<20	40	0.86%	0.26%	10	5	in creek serpenitinite O/C close to road (drains Pc, Pu0, Ec, Es)
284P							at 283M site
Carbine West Grid							
285M	<20	5	25	210	5	<1	in small creek near base of Carbine Hill, siltstone O/C close to Serpenitinite boundary (drains Ec, (?) Es)
286P							at 285M site
287M	<20	30	160	120	10	<1	O/C of silty sandstone (drains Eb, Ec)
288P							at 287M site
289M	20	20	74	34	6	0.8	O/C of silty sandstone (drains Eb)
290P							at 289M site
291M	20	24	300	295	12	1.4	yellow ?Fe-rich sediment in small creek (drains Pu0)
292P							291M site
293M		24	60	170	6	0.8	as for 291M (drains Pu0, Ec)
294P							at 293M site
North Comet Grid							
295M		14	82	120	4	0.4	swampy drainage no O/C (drains Pu0)
296P							abundant limonite debris; material appears to be derived from serpentinite. site 295M
297M	10	23	64	150	10	1.0	in fast flowing Concert Creek (drains Pc, Pu0, Ec)
298P							at 297M site
299M	10	17	145	155	8	1.0	cherty siltstone, O/C, sluggish Creek (drains Pu0)
300P							at 299M site

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	Mn	Sample Description
602 301M	20	240	5.0%	1.70%	15	11							near mine tailings likely contamination (drains Pu0, Pc)
302M													at 301M site
303M		18	72	130	4	1.0							fast flowing creek (drains Pc, Pu0, Ec)
304P													at 303M site
Montezuma South Grid													
305L	20	45	200	45	30	1		180	560	10			reddish brown limonitic ooze outcropping on slope over c. $5m^2$ area (in Pu0)
306M	20	10	40	80	10	1		20	20	10			sample taken above junction of two creeks O/C of dark grey blue siltstones with interbedded dark shales striking 000M dip 70°E. Float of dolerite, grey shale and qtz conglomerate (drains Ec, Jd1).
307P													panned concentrate at 306M site
308R	20	40	90	30	10	1		85	10	20			rock chip sample of dark siltstones/shales at 306M site (Ec)
309M	20	15	140	80	10	1		35	50	25			O/C of dark shale/siltstone strike : 335° dip 80°E (drains Ec, Jd1)
310P													panned concentrate at 309M site
311M	50	20	140	250	10	1		20	30	25			1-2 m gully O/C as for 309M steep
312M	50	20	170	410	10	1		50	60	25			sample in small gully (drains Ec)
East South Comet Grid													
313R *	100	200	1%	1%	100	30	3	10	10	30	300	1%	gossan in J.A. Smyth's lease, very close to grid point 40'S, 00E; large body of specularite-galena-py-sphallerite gossan O/C on track (in Ec)
Mariposa South Grid (Climie Creek)													
314M	20	20	140	200	10	1		25	55	20			mud sample in Climie Creek (not Mariposa Creek) at grid point 18'W, 17'S. No. O/C, boulders of dolerite, conglomerate and quartzite in creek (drains Ec, Pu0, Jd1)
315P													panned concentrate at 314M site
316P	20	10	100	90	10	1		15	30	15			sample in small side tributary of Climie Creek (drains Ec)
317M	20	2	35	20	10	1		10	10	40			sample in sluggish tributary of Climie Creek (drains Ec)
318R													O/C of pale quartzite (?Oonah) in tree roots (country rock is Ec on 1:63360 geology map)

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	Mn	Sample Description
602 319M	20	5	50	30	10	1		15	10	20			mud sample in moderately large tributary of Climie Creek (drains Ec, Pu0, (?) Ed)
320M	20	10	70	60	5	1		10	10	30			mud sample in small creek with stagnant water (drains Ec, Efe)
321R													O/C in Climie Creek of purple siltstone interbedded with greywacke-like sandstone. Strike 120°, dip Ca. 40° S. (Efe?)
322M	20	10	45	30	5	1		15	10	60			mud sample in SW trending creek (drains Efe, Ed)
323P													panned concentrate at 322M site, abundant Fe cemented gravels in creek.
324M	20	10	80	50	5	1		15	15	20			mud sample in fast flowing Climie Creek O/C as at 602 321R (drains Efe, Ec, Pu0, Jdl)
325M	20	5	30	30	5	1		10	5	20			mud sample from small swampy drainage (drains Ed, Efe)
326M	20	2	30	20	5	1		10	5	30			pale brown mud in west flowing tributary of Climie Creek (drains Ed, Efe)
327M	20	10	15	10	10	1		15	5	25			sample in swampy drainage tributary of Climie Creek (drains Ed)
328M	20	5	10	5	10	1		5	5	20			sample from tributary on S side of Climie Creek O/C = ?volcanogenic sandstones, amber coloured, strike 140° dip c. 45° to S (drains Ed)
329M	20	10	50	30	15	1		10	10	15			purplish brown mud in swampy drainage (drains Ed, Eco?)
330M	20	10	50	20	15	1		10	10	20			sample in tributary of Climie Creek 200 m downstream from location 602 329M (drains Ed)
331M	20	2	10	10	10	1		5	5	25			mud sample in ill-defined drainage, just above Climie Creek/Dundas River junction (drains Ed)
332													
Westerway Creek 333M	20	2	25	40	10	1		5	5	10			mud sample in Westerway Creek, about 2 m wide,, fast flowing. No O/C, boulders of brown-bluegrey quartzite abundant Fe cemented gravels present (drains Pu0, Ec)
334P													panned concentrates at 33M site
335M	20	10	10	30	5	1		5	5	20			mud in waterless gully (drains Ec)
336M	20	10	15	15	10	1		5	5	20			reddish brown mud in small gully, O/C in main (Westerway) Creek : immature sandstones trending 140° (drains Sc)
337M	20	15	10	10	10	1		5	5	15			sample in sluggish tributary of Westerway Creek (drains Sc)
338M	20	2	10	10	5	1		5	5	15			dark grey mud in small tributary of Westerway Creek (drains Sc)
339M	20	2	10	5	10	1		5	5	40			pale grey mud in South flowing tributary of Westerway Creek. Tributary contains boulders of conglomerate (drains Sc)

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	Mn	Sample Description
602 340M	20	2	10	5	5	1		5	5	15			dark mud in south trending tributary of Westerway Creek (drains Sc)
341M	20	2	15	10	5	1		5	5	0.10%			sample in east flowing tributary of Westerway Creek (drains Sc)
342M	20	2	10	15	5	1		5	5	50			mud sample in (main) Westerway Creek (drains Ec, Pu0, Sc)
343M	20	2	110	45	10	1		10	15	25			well defined west trending tributary of Westerway Creek (drains Sc, Pu0)
344M	20	2	40	50	10	1		5	5	10			black mud in ill-defined tributary of Waterway Creek (drains Sc)
345M	20	2	15	20	5	1		5	5	20			Ill-defined swamp drainage with stagnant water (drains Sc, Pu0)
346M	20	2	10	10	5	1		5	5	30			mud sample from ill-defined drainage (drains Sc, Pu0)
347M	20	2	10	15	5	1		5	5	15			ill-defined drainage on west side of Westerway Creek (drains Sc,Sd)
348M	20	2	5	10	5	1		5	5	55			mud in ill-defined swamp ½ km up from highway (drains Sc, Sd)
Mariposa West Grid													
349M	20	5	50	65	5	1		5	10	10			mud sample in creek at grid point 00+ 78.5'S. O/C = blue grey siltstones/slates. Reddish brown limonite ooze staining is evident on creek banks (drains Pu0)
350P													panned concentrates from 349M site (note O/C strikes 020° dip 70W; float also fo sericitic quartzite)
351M	20	10	70	90	10	1		10	15	10			mud sample in creek at grid point 00+ 91 . O/C of dark grey blue sericitic quartzites striking 010° dip 75°W (drains Pu0, Jd1)
352P													panned concentrates at 351M site
353M	20	2	15	30	5	1		5	10	10			slow flowing drainage rich in reddish brown limonitic ooze (drains Pu0)
Tom Creek													
354M	20	10	80	60	10	1		15	10	15			mud sample in steep fast flowing Tom Creek. O/C of blue grey siltstones/shales trending 160° (drains Pu0, Ec, Jd1)
355M	20	10	110	50	5	1		25	15	30			mud sample in fast flowing steep creek. O/C as at 354M (trend 170° dipping steeply to W) drains Pu0, Ec, Jd1
356M	20	5	90	60	5	1		20	15	25			mud sample in mod. steep creek, very close to cut line (? 22N, 14?E) (drains Pu0, Ec)
357M	20	5	80	55	10	1		15	15	10			large fast flowing tributary of Tom Creek outcrop = blue grey slates/siltstones striking 170° creek contains boulders of dolerite conglomerate and quartz veined dark grey slates (drains Pu0, Ec)
358P													panned concentrate from above locality

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	Mn	Sample Description
602 359M	<20	10	40	80	15	1		10	20	15			sample from gully with very little water (drains Pu0, Ec)
360M	<20	25	330	150	15	1		140	150	25			sample from fast flowing tributary (drains Ec, Pu0)
361P													panned concentrate from 360M site
362P													panned concentrate from Tom Creek, O/C in creek is indurated micaceous siltstone trending 020° (drains Pu0, Ec, Jd1)
363M	<20	15	130	50	10	1		40	15	10			in slow flowing tributary of Tom Creek (drains Pu0)
364M	<20	25	260	130	10	1		70	50	20			mud sample in creek (drains Pu0, Ec)
365M	20	40	160	70	15	1		40	20	15			mud in slow flowing gully of siltstones trending 160° (drains Pu0)
366M	20	10	60	40	5	1		10	10	10			mud in swamp (drains Pu0)
367M	<20	10	70	40	5	<1		10	5	10			mud in moderate flowing tributary of Tom Creek (drains Pu0)
368M	<20	10	20	40	5	<1		5	5	10			mud in moderately fast flowing tributary of Tom Creek, O/C of interbedded slates and siltstones trending 170°, dipping 80-75° W (drains Pu0)
369M	<20	<2	5	10	5	<1		<5	<5	<5			up gully O/C of quartz veined white quartzites in west flowing creek (drains Pu0)
370M	<20	5	25	15	5	<1		10	5	25			sample in north flowing tributary of Tom Creek (drains Ed, Pu0)
Comet Creek Ainslie Grid													
371M	20	20	100	70	10	<1		15	20	20			sample in Comet Creek, currently deposited sediment in mid creek and sides (drains Pc, Pu0, Ec, Jd1)
372M	<20	40	170	160	10	1		30	50	15			sample in Comet Creek, lefthand bank sample (facing down creek). Float of dolomitic conglomerate and dolomite (?Maestries Dolomite Conglomerate) positive acid test. O/C = thin bedded grey shaley siltstones, ooo°, 40° W adit on opposite side of creek (drains Pc, Pu0, Ed, Jd1)
373M	<20	10	920	170	10	<1		20	35	10			sample at location of 372M site. Site is small tributary of Comet Creek overlying alluvial flats of Comet Creek (drains Pu0)
374R	<20	2	20	10	10	<1		10	15	10			O/C of purple siltstone (?Ec) (Strike ?170°, dip 50W) cherty when fresh
375M	<20	10	200	220	5	1		10	10	5			sample in small creek at(10S 9E) presumably above influence of high level Comet Creek gravels (drains Pu0)
376M	<20	10	980	125	5	<1		15	15	5			sample in creek on small ridge of cemented high level gravels (drains Pu0)
377M	<20	10	740	130	10	<1		10	10	5			sample in creek above small waterfall, presumably above influence of high level gravels. O/C = dark grey black shale (similar to Oonah Black Shales) Strike 020°, dip 50W (drains Pu0)

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	Mn	Sample Description
602 378R	<20	<2	5	170	10	1		40	10	10			float boulder in 2 m wide creek of pale blue "aphanitic" siltstone cont. abound disseminated pyrite
379M	20	15	560	320	5	1		10	10	5			mud sample in 3 m wide creek, colluvial bank at point (12S 14.5E) O/C = Mn shales and limonitic material (drains Pu0)
380R	<20	90	0.55%	0.29%	30	2		40	60	30			black manganiferous shale. Width of O/C approx. 1½ m at 12S 14.5E Strike 090° dip 60°S, yellow shales abundant at above location Pu0?
381R	<20	20	0.15%	0.31%	40	7		45	50	5			black and dark brown Mn-limonitic "gossan" surrounded by grey shaley soil with ½ m. At 12S, 14E (Pu0?)
382M	<20	2	10	50	5	<1		<5	<5	5			pale clayey mud in slow flowing small drainage at 12S, 12E (drains Pu0)
383M	<20	10	30	140	10	2		<5	10	10			grey mud in small drainage with abundant qtz. veined grit as float Position, 12S, 9.8E (drains Pu0)
384M	<20	20	0.15%	180	10	1		40	20	5			mud sample at point 14S, 9.6E. Abundant red brown limonite ooze seeping down east bank (drains Pu0)
385M	<20	30	190	100	25	1		20	40	10			mud sample in small gully 20 m north of point 12S, 7.5E (drains Pu0)
386M	<20	20	80	50	5	<1		<5	5	<5			gully sample at 20 m south of point 62244N, 1330E. Abundant qtz grit as float in gully (drains Pu0)
387M	<20	40	240	210	10	1		15	15	10			mud sample in ½ m wide creek which follows site of recent bulldozed track leading to a drill hole site. Down creek of sample 602 246M O/C = pale green crenulated siltstones. Strike 160°, eip 75°W (drains Pu0, ?Ec)

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	Mn	Sb	Sample Description
Comet Kosmensky Grid														
602 388R *	3	20	20	300	20	0.5	<3	3	<5	<20	100	200	<30	Specimen sample of Oonah Quartzite in Road cutting. Rock is pale grey saccharoidal indurated siltstone with white mica flakes (Pu0)
389R *	30	50	100	30	50	5	<3	30	<5	100	100	300	100	Fe-rich lateritic material, cellular, clayey, banded : Lower part of lateritic surface derived from serpentinite in Hassets gravel pit (Es)
390R *	30	30	100	10	50	5	<3	100	10	300	100	500	100	Superficial lateritic material with dark streams of Fe oxides (Es)
391R *	20	10	20	30	30	3	<3	100	<5	100	100	100	100	yellowish-green serpentinite in road cut near Hassets gravel pit (near Adelaide Mine) (Es)
Comet Creek Ainslie Grid														
392M	<20	20	75	560	10	1		5	10	5				mud sample in small gully, colluvial banks, creek contains Oonah scree trending north to Comet Creek (drains Pu0)
393M	<20	20	200	180	10	<1		30	30	5				mud sample in fast flowing tributary of Comet Creek about 300 m upstream of Judity Creek O/C = dark blue-grey shaley siltstone with fine disseminated pyrite sc. 110°, dip 60S (drains Pu0, Ec, Jdl)
394P														panned concentrate sample at 393M site
395R *	5	10	300	30	30	0.3	<3	5	5	30	0.5%	300	<30	O/C at 393M location, black-pale bleu grey piritic shale, Pu0
396M	<20	20	100	95	5	1		10	15	<5				mud sample in small tirbutary of above creek, some boulders of dolerite (?Jdl) are present in the tributary (drains Pu0)
397R	<20	5	65	20	35	1		35	30	30				sample of ourcrop in 396M site tributary = dolomite-qtz-pyrite rock grading into dolomitic shale and thence to shale approximate strike 165°, dip 80°E. 20 m up-gully strike 040°, dip 50°S (?minor anticline). (Acid test with heated specimen tve) (Pu0).
398R *	5	10	30	3	100	2	<3	20	5	<20	300	1%	<30	black-brown heavy material dolomite rock at 297R location (Pu0)
399M	<20	20	105	50	10	<1		30	30	10				mud sample in small ill-defined fully trending north (drains Pu0)
400M	<20	40	100	70	10	<1		15	15	<5				mud sample in small creek O/C buff fine, grained siltstone dip 20-40°E strike ?020°. (drains Pu0)
401M	<20	60	290	160	10	1		45	50	10				mud sample in north trending creek, deeply incised minor drainage O/C = Qtz veined shales strike about 000° (but variable); at least 2 cleavages (drains Pu0)

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	Mn	Sb	Sample Description
602 402M	<20	10	120	100	5	<1		15	20	30				mud sample in 3 m wide Judith Creek about 100 m upstream from its confluence into Comet Creek. O/C = blue grey slate, strike 125°, dip 80°E, but variable (drains Pu0, Ec, Jdl)
403P														panned conc. in Judith Creek at 402M locality
404R *	5	50	50	1000	50	5	<3	100	5	<20	300	+1%	<30	in ?Anslies Mine (Pu0). Galena in Pelitie gangue and carbonate matrix some brecciating as apparent (site of previous sample 602 243R)
405R *	5	100	300	500	30	2	<3	10	5	<20	0.5%	0.5%	<30	country rock (Pu0) at same site as 404R (above), in mine dump marly black-dark green dolomitic shale. (NB. 404R and 405R both gave psotiive CO_2 reactions with HCl)
South Montezuma Grid														
406M	<20	10	15	60	5	<1		5	10	10				mud sample in south trending gully at 62562mN, 2970mE (south Montezuma Grid) O/C = black shdes cleavage trends 000° dip about 80°E (drains Pu0, ?Pc)
407M	<20	10	5	20	5	<1		<5	<5	5				mud sample in small south trending gully. O/C = finely laminated siltstones and more massive quartzites with Qtz veins (?Oonah) Strike 010° dip about 65°E. A sample of bluish grey "hornfels"-like qtzite was taken for T.S. Location 00 + 300W (South Montezuma Grid) (drains Pu0, Pc)
408M	<20	25	35	130	10	<1		15	40	5				mud sample in small tributary creek O/C = pyritic Qtz-veined shales (drains Pu0, Pc)
409M	<20	10	15	60	5	<1		5	15	5				mud sample in well-indented 23 m wide creek, 20 m south of its intersection with line 4S (South Montezuma Grid) O/C = black shales (Strike 040°, dip ?80E). Qtz-vein knots are present and occassional reddish limonite seeps on banks (drains Pu0, ?Pc)
410M	<20	15	50	80	10	<1		20	20	25				mud sample in creek (tributary of creek sampled in 409M above) O/C = ?basalt dyke with Qtz veining and intruding qtzites and shales striking 060°, dip 70°SE (drains Pu0, ?Ec)
411R	<20	5	25	40	10	<1		10	5	75				rock chip sample of ?dyke rock (above) with thin quartz veins
412M	<20	10	10	15	10	<1		15	10	5				mud sample in south flowing (tributary of Comet Creek) Float of ?Ec greywacke in Creek (drains Pu0, Pc)
413R	<20	2	15	10	10	<1		10	5	75				Pu0 O/C scree on side of ridge of finely laminated Qtz-veined and crudely crenulated siliceous rock with ? dolomitic component. Heated rock was tested with Hce; no apparent reaction was observed.
414M	<20	10	10	30	10	<1		10	10	5				mud sample in moderate flowing gully, 135m E of 412M locality (on line 8S, South Montezuma Grid) Float of crenulated, banded pale grey green siltstone (?dolomitic) (drains Pu0)

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	Mn	Sb	Sample Description
602 415M	<20	5	5	25	10	<1		<5	<5	5				brownish-red limonite rich mud in creek on line 85, (South Montezuma Grid) (drains Pu0)
416M	<20	10	30	60	5	<1		5	15	15				mud sample in creek at intersection with line 85. O/C = bluish grey pyritic quartzite strike 170 ± 20° dip about 75°E (drains Pu0)
417M	<20	30	140	90	15	<1		35	30	25				mud sample in fast flowing upper reaches of Comet Creek at 2990mE 62340mN O/C = pale grey shaley siltstones trending 005° (drains Ec)
418R	3	50	200	1000	50	2	<3	10	<5	30	500	200	<30	reddish-purple and blue green patched siltstone (?Crimson Creek) at South Montezuma Grid (60E, 4S) = 52430N, 2990E Strike 040°, dip 75°W (Ec)
419M	20	40	100	75	10	<1		30	40	30				mud sample in gully at 62562mN 3090nE (along 00-E) boulders of ?Ec tuffaceous siltstone in gully (drains Ec)
420M	<20	5	10	25	5	<1		<5	<5	5				mud sample in small gully cutting across More's Pimple track O/C = pale yellow schists (?Concert Schist) trending 165° (drains Pc)
421M	<20	10	20	20	10	<1		10	10	5				mud sample in small westerly flowing gutter, apparently the upper reaches of creek from which sample 602 216M was obtained O/C = pale yellow schists (?Concert Schists) Strike 140°, dip 55°W (drains Pc)
Carbine East Grid														
422M	<20	10	70	120	10	<1		10	15	5				mud sample in Concert Creek O/C of siltstones as at 602 424M (drains Pc, Pu0)
423P														panned concentrate from 422M site
424M	<20	40	270	720	10	3		35	15	10				mud sample collected at site of previous anomaly 602 183M (10-20 m in creek above confluence with Concert Creek) O/C = pale grey pyritic cherty siltstone strike 020° dip 80°W (drains Pu0, Ec)
425P														panned concentrate from 424M site
426R	<20	2	30	15	15	1		15	10	10				Pu0 rock chip specimens at above locality - pale blue grey-dark purplish brown cherty pyritic dolomitic siltstones Strike 020°, dip 80°W. Positive CO_2 with Hce (carbonate test)
427M	<20	50	380	960	10	4		60	25	65				brownish red mud in small side gully in braid-channel of main creek (drains Pu0)
428M	<20	5	40	30	5	<1		<5	5	10				mud sample in small side gully O/C = grey blue ?dolomitic siltstone Strikes ?080°, dip steeply to W (drains Pu0, Pc)
429M	<20	50	70	50	10	<1		20	20	10				mud sample in small gully 50 ft downstream (south) of point 68N, 950E of Carbine Grid (drains Pu0, Pc)

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	Mn	Sb	Sample Description
602 430M	20	60	450	0.18%	10	8		35	20	30				mud sample LHT above creek junction O/C = blue cherty-like siltstone; schistosity trends 100° (drains Pu0)
431M	<20	35	440	400		2		60	30	45				mud sample at base of waterfall in RHT above junction (= previous sample locality 602 188M
432F	<20	10	460	600	15	<1		25	20	15				float at base of 431M waterfall of finely banded grey dolomitic siltstone with chalcopyrite, pyrite and galena, galena is also present in fractures. Rock gave carbonate reaction when treated with Hce
433R	<20	10	120	40	10	1		40	15	15				rock specimens of grey siltstone (no apparent CO_2 reaction with Hce) O/C on wall of waterfall at 431M site, Strike ?080°. Some Fe rich limonite also present as encrustation. NB. Adit is present at side of hill at 50N 900E on Carbine Grid
434M	<20	50	140	60	10	1		30	50	15				mud sample from Adit (adit trends 140°) and adjacent small gully on line 50N 900E of Carbine Grid; O/C of shaley rock.
435M	<20	10	30	120	5	<1		5	10	10				mud sample in small creek at point 50N, 350E on Carbine Grid (drains Pu0, Ec)
436M	<20	50	150	20	10	<1		10	10	10				mud sample inside Adit at same location as above, adit trends 090, dump material contains ore-pyrite-carbonate (Pu0)
437F	<20	50	100	50	10	<1		35	15	20				float in creek at above location, dark almost purplish hornfels with quartz veins. NB. gravels are cemented by contempary Fe-rich material (Ec?)
438R	<20	30	90	20	15	1		15	20	10				gossan and variegated siltstone in adit from above locality (no apparent reaction with Hce)
*	< 1	100	20	20	40	3	<3	5	<5	<20	200	500	<30	
449M	<20	15	15	70	10	<1		5	10	10				mud sample 50 ft west of 345M in small gully trending south; gully contains plenty of limonitic material, Mn rich material and possibly weathered ?dolomitic material. Location = 50N, 300E (Carbine Grid) at base of dump from adit directly on opposite side of hill to 438R. Adit strikes 130° and is 50 ft north of 50N, 200E. Main lithology is black shale (drains Pu0)
450M	<20	15	130	220	10	<1		65	20	50				mud sample in moderately fast flowing small creek (50N/50E, Carbine Grid) O/C = pale yellow grey cherty siltstone. (drains Pu0, Ec)
451P														panned concentrate from creek, 602 450M site.
452F	<20	10	120	40	15	1		320	35	110				boulder in creek from 450M locality, variegated rock of red, cherty and green-purple segments
453L	20	200	1000	1000	30	10	<3	100	10	<20	300	3000	<30	more than wide gossan O/C on baseline of Carbine Gird at 49.3 N. NB shafts, costeans, Fe pipe at 00E, 50N (Pu0?)
*														
454M	<20	20	210	280	5	<1		70	20	60				mud sample taken in creek below gossan and costeans O/C = siltstone trending ?060° (drains Pu0, Ec)

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	Mn	Sb	Sample Description
602 455M	<20	10	30	50	5	<1		5	10	10				mud sample in creek at 36N/400E, Carbine Grid; O/C blue-green pyritic, quartz veined siltstones. Strike 030°, dip 35°N (drains Pu0)
South East of Carbine East Grid														
456M	<20	2	10	20	5	<1		<5	5	10				mud in 1½ m wide gully, colluvial banks (no alluvial) O/C of blue grey crenulated shales; quartz, limonite grit in gully (drains Pc)
457	<20	10	25	30	5	<1		<5	<5	10				drains Pc, Pu0
458M	<20	5	10	15	5	<1		<5	<5	10				mud in 1½ m wide small creek, colluvial banks O/C of dark grey crenulated shales, strike 100°, dip ?70S. Quartz, limonite grit abundant in creek (drains Pc)
459M	<20	<2	5	10	5	<1		<5	<5	<5				mud sample in 1½ m wide creek, colluvial banks O/C = pale grey quartz veined siltstones (Strike 080°, dip 60S) abundant quartz float in creek (drains Pc)
460M	<20	5	10	20	10	<1		<5	<5	5				mud sample in previously sampled 3 m wide creek (602 218M). Colluvial banks; O/C = blue grey pyritic foliated siltstone (directly below waterfall). Strike 100°, dip 55S. Float of pyritic shale in creek (drains Pc)
461P														panned concentrate at above (602 460M) locality
462F	50	0.10%	320	560	50	7		40	20	75				chip sample of pyritic shale float from above locality. N.B. pyritic shales may be derived from proximate locality e.g. waterfall rock, as similar float is not evident further upstream.
*	<1	300	30	300	100	10	<3	30	5	<20	300	300	100	
463M	<20	<2	5	10	5	<1		<5	<5	<5				mud in small 0.7 m wide gully, colluvial banks, quartz rich detritus, with pale schist fragments (drains Pc)
464M	<20	2	10	15	5	<1		<5	5	5				mud sample in 1½ m wide main creek 100 m upstream from 463M, colluvial banks O/C = pale yellow-white shistose siltstone. No pyrite rich float or O/C obvious (drains Pc)
465M	<20	5	10	15	5	<1		5	5	5				mud at base of waterfall about 100 m upstream of 464M colluvial - O/C banks 3 m wide creek O/C = bluish grey and white, quartz veined schists (?Concert Schists) abundant schist and quartz boulders in creek (drains Pc)
Montezuma North North Grid														
466M	<20	120	450	760	15	1		130	160	45				mud sample in ½ m wide creek at 60E, 9N (2990mE 62830mN) (Montezuma Grid), draining adit in part; colluvial O/C banks O/C = white carbonate with blue-grey patches with sulphides (Py-Pbs-?ZnS) plus white siltstone. Strike 000°, dip 85°W (drains Pu0, Ec)

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	Mn	Sb	Sample Description
602 467M	<20	60	380	210	10	1		180	175	50				mud in ¾ m wide creek 10 m south of above (= 2990mE, 62820mN) colluvial banks. O/C as above (drains Pu0/Ec)
468R	30	100	30	1000	50	10	<3	30	<5	30	500	+1%	<30	rock chip speciment from costean and creek at above locality (466, 467) O/C = carbonate plus sulphides and siltstone (c.f. 466M) (Pu0?)
469M	<20	65	130	60	10	<1		85	40	70				mud sample in ½ m wide tract at WT 3150 (north Montezuma Area) O/C = chocolate slates (Ec?) carbonate veined dark pelite O/C up track (drains Pu0/Ec contact)
470R	10	500	3000	100	30	1	<3	10	5	<20	+1%	500	<30	dark bluish grey carbonate rich quartz veined outcrop of ?Ec on tract at point WT 2900 (Rock gave carbonate reaction when Hce added) (top of Pu0?)
471M	<20	20	75	30	10	<1		30	30	40				mud sample in ½ m wide gully 15mN of point WT 2850 on tract colluvial banks, grey shale float (drains Ec?)
472M	<20	35	120	70	10	<1		30	35	30				mud sample in very minor drainage (slope wash) about 200 ft E of WT 2850, i.e. approximate WT 2650 on track (drains Ec)
473M	<20	45	110	80	15	<1		30	35	25				mud sample in extensive series of braided gutters O/C = dark blue grey carbonate veined siltstones, strike 160°, dip about 85E at WT 2550 (drains Ec)
474M	<20	50	95	65	10	1		40	30	60				mud in collvuial ½ m wide gutter at WT 2250 O/C = siltstone strike 170°, dip 85E (drains Pu0, Ec)
475M	<20	25	85	50	10	<1		25	15	50				mud in 1/3 m wide gutter, colluvial banks at WT 1450 O/C close by = ?Ec chocolate slates
476M	<20	25	85	45	10	<1		30	20	40				mud in 1/3 m wide gutter, collvuial banks at WT 1350 O/C = black shales, Strike 175°, dip 85E (drains Pu0, Ec)
477M	20	25	110	70	10	<1		40	35	65				mud in 2 m wide creek at WT 1050 colluvial banks O/C as for 476M, limonite seep on north bank below tract (drains Pu0,Ec)
478M	<20	25	100	60	10	<1		40	40	45				mud in 2 m wide creek colluvial banks at WT 650 O/C = blue siltstone, steeply dipping strike 000° (drains Ec)
479M	<20	65	130	80	10	1		50	60	70				mud sample in ½ m wide gutter at WT 400, O/C = creamy shales. Collvuial banks (drains Pu0, Ec)
480M	<20	50	190	80	10	<1		50	40	40				mud sample in 1 m wide channel colluvial wash 30 m on track east of baseline 60E/9.5N, Montezuma Grid (drains Pu0, Ec)
481M	<20	10	10	75	5	<1		10	5	10				mud sample on walking track in 1 m wide gutter, collvuial banks - Concert Schist outcrop (drains Pc)
482R	3	100	30	300	30	0.5	<3	50	5	50	500	500	<30	sample of pale yellowish brown Concert Schist. Main cleavage trends 160° (Pc)
483M	<20	5	5	25	10	<1		5	5	5				mud sample in ½ m wide gutter, colluvial wash at 20 m north west of intersection of 8N with walking tract. O/C of Concert Schist (drains Pc)

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	Mn	Sb	Sample Description
602 484M	<20	2	5	30	5	<1		5	5	5				mud sample in ½ m wide small creek, colluvial banks, O/C of Concert Schist (drains Pc)
485M	<20	30	110	50	5	<1		40	40	60				mud sample in 2 m wide creek immediately above confluence at baseline 60E/18.5N on Montezuma Grid. (N.B. Birfuration is 20 m above (e) of 60E/18.5N) Colluvial banks; O/C = black shale. Strike 160°, dip 80°E (drains Pu0/Ec)
486M	<20	25	110	50	5	1		30	40	65				mud from 3 m wide creek at right hand form of above location (drains Pu0/Ec, Ec)
487M	<20	5	10	30	10	<1		<5	5	10				mud from ½ m wide gutter, collvuial wash, 30 m west of point 60E, 18.5N (Montezuma Grid) O/C = dark blue grey fine quartzite (Strike 030°, dip 80°E) (drains Pu0/Ec, Ec)
488R	10	30	500	300	30	0.5	<3	30	<5	30	0.5%	300	<30	O/C on track at 16.20'N (?) 230'E (230W?) Montezuma Grid of black-grey cherty ? hornfelsed banded shaley rock plus carbonate and pyrite also brecciated pyritic carbonate rock (= ? Maestries Colomitic Conglomerate) (Carbonate reaction observed when treated with Hce) (Pu0)
489M	<20	25	90	70	10	1		30	35	65				mud in 1 m wide creek at 30 m south of intersection of line 14N (3.5W) with track colluvial banks O/C = dark greyish blue shaley siltstone. Strike 175°, dip 70°E (drains Pu0)
490M	20	30	410	270	10	<1		80	50	30				mud in 1½ m wide creek, collvuial banks, 20 m south of intersection of line N, (3.5W) - O/C = thin bedded dark grey shales, strike 170°, dip 55°E (drains Pu0, Ec)
491M	<20	<2	2	20	5	<1		<5	<5	5				mud in 1 m wide creek at 10N, 4.5W on walking track colluvial banks float of conglomeratic ? carbonate rock in creek (drains Pu0, ?Ec)
492M	20	10	10	30	5	<1		5	10	5				mud in 2½ m wide creek at 10N, 5W O/C and float = abundant golden yellow flakey Concert Schist , Colluvial banks (drains Pu0, ?Ec)
Mores Pimple (West of Montezuma North Grid 493M	<20	5	5	25	5	<1		<5	<5	5				mud in ½ m wide gutter entering above creek 5 m up creek from track intersection, colluvial banks, Concert Schist float (drains Pc)
494M	<20	20	15	35	5	<1		5	10	10				mud in 1 m wide, steep creek, colluvial banks, scree = Concert Schist, strike 000°, dip 75E (drains Pc)
495M	<20	10	10	25	5	<1		5	5	5				mud in 1 m wide steep creek, colluvial banks schist scree O/C = yellowish-bluish schists (?Concert Schist) Bedding trends 140°, dip 60° South West (drains Pc)
496M	20	<2	2	10	5	<1		<5	<5	<5				mud in 1 m wide small creek, colluvial banks. Quartz scree O/C yellow schists trending 140° (drains Pc)

Sample No/ Location	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	Mn	Sb	Sample Description
602 497M	20	10	10	10	5	1		5	5	10				2 m wide deeply incised creek Colluvial bands, quartz schist scree. O/C = blue green schists striking 140° dip steep ?SW sample near track (drains Pc)
498M	20	10	10	15	10	1		5	5	5				mud sample in 1 m wide creek colluvial bands. Fe staining on outcropping blue-green schists trending 120° (drains Pc)
499R	10	300	2000	500	50	0.3	3	100	10	100	1%	500	30	O/C at above location, thin about 3 m wide ?dark blue aphanitic dyke trending 170° appears to be cross cutting schists.
500M	20	10	10	15	10	1		5	5	10				mud sample in series of 10 m wide steep braided channelways in part waterfalls O/C of bluish grey schists with contacted quartz veins, colluvial - outcrop banks (drains Pc
501M	20	25	90	40	10	1		5	10	10				mud sample in 1 m wide creek colluvial banks O/C of yellowish schists (=? Concert Schist) (drains Pc
502M	20	20	70	30	10	1		10	35	10				mud sample in ½ m wide gutter. Colluvial banks, Limonite, Quartz and schist scree. O/C = yellowish crenulated siltstone strike 120°, dip 45° SW limonite seen on banks (drains Pc)
503M	20	2	2	25	5	1		5	5	5				mud sample from waterless gully, pale mud. Quartz grit abundant, collvuial banks (drains Pc)
504M	20	110	260	320	10	1		30	50	10				mud sample from 0.5 m wide creek 80 m south west of intersection of line 2.69N + 12E with walking track (?Anslie Grid) collvuial banks, dark grey shale outcrop striking 080° (Pc or Pu0?)
505R *	20	300	500	1000	50	5	3	20	5	20	300	500	30	heavy limonite scree at intersection of line 00 of Anslie Grid with South Montezume Tract (on road). ?Marganiferous rich material (Pu0)
Northern Part North Montezume Grid 506R *	30	50	100	300	30	0.3	3	10	5	20	200	+1%	30	sample of "Gossan" + local soil (black, ?Mn rich rock) exposed in costean 5 m above North Montezuma Road 30° west of intersection of line 47.5N and 9.48W, Montezuma Grid at the road (Pc?)
507M	20	2	2	10		5	1		5	5	5			mud sample in 2 m wide creek braiding through thick horizontal scrub at 51.89N/900W) on Montezuma Grid. Colluvial banks. Quartz rich scree plus pebbles of foliated grey quartzite and occassional black shales. Strike 130°, dip 40° NW (drains Pc, Pu0)
508M	100	40	65	720	5	3		10	15	15				mud sample in 2½ m wide creek, colluvial wash O/C close by is carbonate rock (in adit) creek gravels are limonite cemented and Fe staining in pervasive - site = location of previous sample 602 171M (drains pu0)

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	Mn	Sb	Sample Description
602 509R *	30	50	300	500	30	5	<3	30	5	<20	300	+1%	<30	sample of gossan (heavy limonitic, dark brownish red material) plus pyritic siliceous associated rock (?leached of carbonate) in portal of adit. Adit is on left bank of creek sample at above location (602 508M). Adit strikes 180° and is 5 m from North Montezuma Road (in Pu0)
510R *	10	100	300	200	30	0.5	<3	5	5	20	+1%	300	<30	O/C in above adit of Dolomitic-pyritic bluish grey conglomerate): yeilded CO_2 with Hce. Strike 160°/dip 45°W (in Pu0)
511R *	1000	2000	30	+1%	30	30	<3	10	<5	<20	300	300	2000	Rock sample of host rock at Sb prospect (at end of North Montezuma Road). Rock is thinly bedded black shale (1? graphite) and fine sand sized quartzite-like rock with ? dolomite component. Possibly syngenetic pyrite present (rock shows carbonate reaction when treated with Hce) Pu0/Ec contact
512R *	5000	5000	50	+1%	300	50	<3	10	<5	20	300	300	3000	chip channel sample of sulphide (?Sb-pyrite) 20 m above end of road on hill; O/C = 0.6 m wide NS strike length of "pyritic-stibnite" "ore" is + 40 m long and 0.6 m wide (Pu0/Ec contact)
513M	<20	5	10	30	10	<1		<5	5	5				mud sample from 0.5 m wide creek curring north Montezuma Track and trending south. Colluvial banks with some reddish brown limonitic seep schist scree, O/C of interlaminated and crenulated grey blue shales and white siltstone trending 010° dip 55°W (drains Pc)
514R	<20	20	70	50	20	1		20	15	20				site of 602 372M, dolomite float in Comet Creek below Anslie Mine. Similar O/C present at locality 602 230M, upstream
515R	<20	10	10	20	10	<1		10	5	130				site of 602 407M. Dark blue-grey? hornfelsic pyritic quartzite with thin quartz-carbonate veins (?Oonah) but appears darker and harder than typical Oonah (Pu0 or Pc?)
516R *	2000	5000	30	>1%	200	50	<3	5	<5	<20	300	300	3000	at site of 602 511R. Sulphide material comprising Sb-Pb-Cu minerals, brecciated massive ore North Montezuma Grid near 602 SN
517R														O/C at site of 602 513M west of North Montezuma Grid. crenulated and interbedded blue grey shale and white siltstone (Pc)
Cuni Area														
518M	<50	50	35	320	20	1		10	5	30				mud sample in swampy braided drainage along 1 m wide ? old timber track alluvial flat O/C = greenish grey chloritic siltstone strike 010°, dip 65°W; apparently draining ridge to east. Location Cuni Grid BV 1750 (drains Ec; tramway?)
519M	50	15	125	25	20	<1		15	10	35				mud sample (chocolate brown) in bog, 20m south along baseline from BV 1200 (Cuni Grid). Sample is apparanelty locally derived and drainage trends west (drains Ec?)

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	Mn	Sb	F	U_3O_8	Sample Description
602 520M	50	25	110	45	15	<1		20	10	30						at site of (Sn) anomalous sample 602 103M in sluggish swampy drainage trending north west. Alluvial banks, no O/C, presumed to drain a local topographic high, but not certain. N.B. at ground peg AC32 on Cuni Road-track a drill hole site occurs 30 m to south on east side of track, and another drill hole site at 70 m north on west side of track (drains Ec)
521R *	50	300	300	1000	30	2	<3	30	5	50	3000	1000	50			rock chip from boulder of dolerite (Cambrian?- compore with Jdl)? residual in tree roots on east side of Cuni track, 50 m south along track from 520M (Es/Eg)
522R *	3	1000	100	1000	30	3	<3	50	5	100	500	1000	100			at site of Mine dump, North Cuni Area. Dark green apparently ultramafic chloritised rock (no feldspar seen) containing a little sulphide (Es?/Eg)
523R *	3	2000	100	300	30	2	<3	300	10	100	500	1000	<30			greenish grey rock with small whitish mottled patches ? altered plagioclase. Possible altered dolerite containing frequent sulphide lenses (Es/Eg?)
524R *	3	5000	200	500	50	5	<3	300	10	100	500	1000	30			at site of 522R, in dump. Fresh dark grey green dolerite-like rock with abundant sulphide (Eg?)
525R	50	0.24%	700	0.18	50	20		960	110	800				280		at site of 522R, in mine dump, sample of rock and soil from mine dump (Ec?, Eg?)
526R *	300	5000	+1%	+1%	30	30	<3	100	100	50	300	2000	100			at site of 522R, in mine dump, sample of Pb-Zn ore plus gossan from dump
527M	<50	140	110	0.10%	25	1		15	15	45						mud sample in costean at end of railway which was followed for about 800 m ENE from 522R site. Presumably close to Zeehan-Lead Blocks Mine area. Costean is ½ m wide direction of flow is north west. O/C = pale grey and dark green finely interbedded and folded siltstones. Strike 030° dip 85° to south west. Gossan material ezposed closeby. (5,15m WSW).
528R *	<1	+1%	300	50	30	10	<3	1000	200	50	30	500	<30			at site of ? Melbourne Cuni Mine (at intersection of Melba Creek with North Cuni Road (=old tram) banded chalcopyrite-pyrrhotite-? Ni sulphide ore in mine dump below (apparently) an old smelter
529R *	300	200	300	1000	50	3	<3	100	5	50	1000	2000	<30			at site of 528R (above) medium blue-grey banded, (?) igneous rock possibly of dolerite affinities (sulphides (Py) in doleritic band)
530R *	10	100	50	1000	30	5	<3	50	<5	50	1000	500	<30			at site of 528R (above). Greenish black aphanite possibly either dolerite chilled margin or hornfelsed shale possible ultramafic affinitiel (Ec?, Eg?, Es?)

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	Mn	Sb	F	U_3O_8	Sample Description
602 531R *	10	300	30	1000	30	0.5	<3	100	<5	50	1000	500	<30			at site of 528R (above) dark blue grey, faintly colour banded fine grained ? tuffaceous rock in ?fine grained dolerite (Eg or Es or Ec?)
532R *	3	500	30	300	30	0.3	<3	100	5	100	1000	2000	<30			at site of 528R (above) blue grey-greenish rock ?med grainsize, possibly altered dolerite (Eg?)
Confidence Saddle 533R *	10	300	300	300	30	3	<3	100	30	300	100	3000	100			on Renison Ltd. track north of Confidence Saddle location is 10 m uphill from small adit on the road (also 200 m from north east Dundas tramway) First fairly obvious occurrence of weathered and altered ultramafic (= clayey minerals). A prominent banding trends 010° (Es or Eg or ?)
534R *	1000	100	30	1000	30	3	<3	20	<5	30	500	300	<30			at site of 533R 2 m above ?serpentinite/country rock contact. ?Hornfelsic rock quartz veined, grey, siliceous. Location is about 5 metres NE of small adit on side of hill (?Eh)
535M	<20	15	60	80	20	1		10	10	40						mud sample in series of waterfalls forming face of NE Dundas tramway and coalescing below the tramway to a ½ m wide steep colluvial banked creek O/C = interbedded dark grey shales and ?tuffaceous sandstones striking 010° and dipping 40°E (drains Eb)
536M	<50	25	115	50	15	<1		50	20	390						mud sample in ½ m wide creek, colluvial banks immediately upstream from NE Dundas tramway 500 m South of quartz porphyry O/C on tramway (an old grid (line No. 2) 1605E intersects the tramway at this point O/C = greywacke breccia with siltstone/sandstone pebbles (drains Eb, Era)
537R *	200	50	20	100	20	0.5	<3	50	<5	<20	200	1000	<30			O/C of yellow-grey porphyritic rock composed of quartz felspar and acicular black prismatic minerals as phenoxts in a pale yellow ground moss location is on NE Dundas tramway several hundred metres south of Confidence Saddle. NB. Some ?aphanitic hard cherty porcellanitic rock is present in close contact with the (?) Dqp.
538M	<50	30	115	80	20	<1		40	10	100						mud sample in wide swampy drainage trending north No O/C alluvial ? colluvial banks 50 m SW of Confidence Saddle (drains Era)

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	Mn	Sb	F	U_3O_8	Sample Description
Highway North of Zeehan/ Queenstown Junction																
602 539M	<50	20	135	70	15	<1		40	20	60				200	<5	at site of 602 161M (possibly 80 m up creek) mud sample, alluvial banks no O/C about 100 m up creek from main highway to Rosebery-Queenstown (drains Eh, Er, Efe)
540M	<50	20	50	30	15	1		15	15							mud sample in small 1 m wide creek 150 m up creek from highway (about 500 m south of location 539M) colluvial banks, scree of reddish brown, quartzite on banks (drains Efe)
541M	<50	10	60	45	10	<1		10	10							mud sample in small swampy drainage colluvial - ?alluvial banks ?O/C/Scree on side of small hill to south of pale brownish grey quartzite (drains Eco)
542M	<50	20	230	90	20	1		35	25					<200	<5	mud sample in 1 m wide creek (moderately fast flowing) alluvial banks, no O/C 150 m up creek from site of 602 163M (drains Efe, Eb)
543M	<50	45	90	40	15	<1		50	20	55						mud sample in very minor drainage immediately north of Dundas turnoff, no apparent flowing water, colluvial banks, powerlines directly overhead about 50 m east of highway (drains Ef)
Tom Creek																
544P																panned concentrate at Tom Creek about 200 m up creek from highway (drains Ed, Pu0, Ec, Jd1, Qpf)
545M	<50	15	40	30	10	<1		15	10	130				260	<5	mud sample in Berry Creek 75 m up creek from highway, 2 m wide, colluvial banks O/C = grey blue carbonate rock (= Og) Strike 140°, dip to south west (drains Qpf, Pu0, Ed, Ec, Om)
546P																panned concentrate in Berry Creek at site of 545M
547M	<50	30	10	20	10	<1		<5	<5	55						mud sample in small creek 150 m north of Berry Creek on alluvium overlying Gordon Limestone base
548R	100	20	15	40	70	2		20	20	10				280		rock chip specimen of dark grey black, aphanitic Gordon limestone O/C on banks of Berry Creek immediately up creek from highway (O/C Og)
549M	<50	2	5	15	10	<1		<5	<5	20						mud sample in 1 m wide creek, alluvial banks, pale grey quartzite rich scree. No apparent O/C. 300 m up creek from highway (drains Pu0, Om)
550M	<50	5	5	15	10	<1		<5	<5	20						mud sample in small waterless gully, 350 m east of highway, colluvial banks, no O/C (drains Om)

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	Mn	Sb	F	U_3O_8	Sample Description
602 551M	<50	5	10	20	10	<1		<5	<5	10						mud sample in waterless gully, 300 m east of highway, colluvial banks, no O/C (drains Om)
552R	<50	195	60	220	15	1		20	10	140				0.15%		composite rock chip sample on western bank of Queenstown Highway, black silty and ?carbonate rock with fine pyrite on surface. Og/Sc contact area, probably top of Og. Appears to be flat lying. Note F content 602 613R (Og)
Howards Road																
553M	<50	10	40	30	15	<1		45	10	40						mud sample 50 m up creek from Bridge over Howards Road in +4 m wide major creek, colluvial banks O/C = dark grey shale and interbedded whitish quartzite. Striking 154° (but with small contortions) dip is apparently bertical, boulders of feldspar bearing ? tuffs in creek (drains Ec, Jdl, ?Qpm)
554M	<50	10	40	30	10	<1		55	15	45						mud sample in 4 m wide creek, 200 m west on Howards Road from 553M. Colluvial banks, boulders of Acid ?feldspar tuff and Owen Conglomerate (drains Ec, ?Qpm, Jdl)
555M	<50	20	75	50	20	1		110	60	90						mud sample in small 1 m wide creek 500 m further along Howards Road from 554M (Heading towards highway) O/C = black siltstone striking 148°, dip 85°E, colluvial banks (drains Qpm, Ec)
556M	<50	15	70	40	15	<1		75	20	60				380	<5	mud sample in 3 m wide moderately fast flowing creek at 100 m further along Howards Road from 555M (Howards Highway). Rubble of tuffaceous sandstone in creek. O/C of siltstone striking 160°, dip 80°E. Colluvial banks (drains Ec, Qpm)
557P																panned concentrate at site of 602 556M
558M	<50	10	20	20	15	<1		40	10	70						mud sample in 2 m wide creek flowing WNW, colluvial banks, 1.6 km towards highway along Howards Road from 602 553M O/C = dark and light grey interbedded slates striking 176° dip is apparently vertical (drains Qpm or ?Ed)
559M	<50	25	75	40	20	<1		55	10	45						mud sample in 1 m wide, small creek flowing south colluvial banks O/C = black-grey slates strining 016°, dip is vertical. Location is 3.2 km towards highway along Howard Road from 602 553M site (Qpm on (?) Ed)
560M	<50	20	145	60	20	1		70	35	50						mud sample in 4 m wide creek (very prominant drainage) No O/C, abundant glacial boulders of Owen Conglomerate. Colluvial banks. Location is 3.4 km towards highway along Howard Road from site of 602 553M (Qpm on Ed)
561P																panned concentrate at site of 602 560M

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	Mn	Sb	F	U_3O_8	Sample Description
602 562M	<50	20	100	50	10	<1		60	20	80						below 561P, road contamination? 2 m wide, alluvial bank no outcrop; eobbles volcanics, tuff Sh and glacial erranties (Qpm, covering Ed?)
563M	<50	10	70	25	10	<1		40	15	30				220		100 m above Howards Road; drains Pleistocene glacials (drains Qpm on (?) Ed)
564P																Location 563M; washed glacials panned cons. O/C greenish grey clayey ehliritic (tuffaceous?) micaceous sandstone; strike 160° dip 80-90° W
565M	<50	10	65	30	15	<1		40	15	55				340	<5	above track crossing over Farrel River; glacial debris banks (Qpm) covering Ed
566P																Location 602 565M
567M	<50	10	45	25	10	<1		35	10	25						above road : outcrop on road dark grey-black shale; creek banks of glacials with shale, limonitic quartz, porphyritic feldspar volcanics (drains Qpm, Ed)
568M	<50	5	20	20	10	<1		15	10	25						above road; outcrop green chloritic volcanic or tuffaceous/greywacke sandstone; strike 140°, dip steep east but 020/75° east in road cutting on west side of creek (= dark grey banded shales with red bands plus dark green quartz - pink Or - chlorite arenite/tuff (drains Qpm and Ed)
569M	<50	5	10	15	15	<1		5	5	10						above road : shales O/C, pale grey to pink weathering 010/80°E (drains Ed, Qpm)
570R	50	95	80	25	40	2		35	45	20				280		basic volcanics in cutting on Zeehan-Queenstown Highway just south of Ewart Creek Bridge : amygdaloidal f.g. greenish (?) basalt with feldspar phenocrysts (Ed volcanics)
Mariposa Mine																
571M	<50	20	20	35	10	<1		5	10	80						Mariposa Creek below 6 m waterfall. No outcrop (drains Sc, Og, Ed, Ec, PuO, Jdl etc.)
572F	<50	10	55	60	10	<1		10	25	380				<200		limonite-Mn stained pebbles at 602 571M
573M	<50	10	60	25	30	1		10	15	60				300	<5	gully draining road and limonite discharging drill hole. Grey sandy shales (Crothy Quartzite base?) with white f.g. sandstone uphill (drains Sc, possibly top of Og?)
574M	<50	20	20	20	10	<1		10	5	30						gully above drill hole at 573M in grey sandy shale overlain by white sandstone (drains Sc)
575R	50	5	960	320	80	3		20	20	10				200		Mariposa Mine - black Ordovician Gordon Limestone (Og)

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	Mn	Sb	F	U_3O_8	Sample Description
602 576R	50	50	1.0%	9.0%	45	18		35	30	15				200		limonite samples at 575R location - gossan? after mineralisation at Mariposa Mine
577R	50	10	0.86%	0.66%	50	10		35	25	10				200		galena and carbonate "vein" type material at Mariposa Mine dump. Similar in appearance to other PbS-carbonate veins in the Zeehan area
578M	50	2	40	35	10	1		5	5	60				220		drainage off Mariposa Mine northwards to the Dundas River. Mud flat - contaminated by Mariposa Mine dumps ? (drains Og, Sc)
579R	50	95	1.5%	0.65%	50	15		25	30	29				240		costean across valley east of the Mariposa Mine limonite-Mn banded boxwork possibly after shale. Gordon Limestone immediately south (part of Og?)
580M	50	5	15	25	10	1		5	5	40						mud flat just above road tramway? (drains Db, Oz)
581M	50		10	10	5	1		5	5	60						gully just above track (old tramway?) (draining Db, Sc, Oz)
582M	50	5	300	185	10	1		5	5	30						gully below costean 602 579R, just above track. No outcrop (drains Sc, Og and Mariposa Mine environs)
Farrell River																
583M	50	10	50	30	10	1		15	10	20				260	<5	right hand tributary of Farrell River above highway; outcrop 170/80°E limonitic dark grey shales. Large float boulders of quartz pebble conglomerate (drains Pu0, Ed, Om)
584P																location 583M
585M	50	15	70	40	15	1		40	15	40				300	<5	Farrell River above 583M junction. Mairly grey shale boulder float, some purple mottled rock (similar to Crimson Creek Formation - Montezuma Grid 4'S??) (drains Qpm, Ed, Pu0, Ec, Eg)
586M	50	2	5	5	10	1		5	5	5						left hand tributary of Farrell River below 583M (drains Om)
Dundas																
587M	50	30	75	40	15	1		25	30	50						0.3 m right hand tributary of Dundas River - old dump contamination? O/C 150°/50°W banded grey green argillite-sandstone (Eh - drains Eh)
588M	50	45	200	95	20	1		50	40	60						0.3 m right hand tributary Dundas River; O/C Eb 150°/80°E as for 587M (drains Eb)
589M	50	10	50	10	10	1		20	15	65						1 m right hand tributary of Dundas River; limonitic pebbles, no outcrop (drains Eb? Era)
590M	50	40	150	50	15	1		60	40	70						0.5 m right hand triubtary of Dundas River; limonitic pebbles etc; O/C Eb dark greenish chloritic and grey sandy banded argillite (drains Eb)

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	Mn	Sb	F	U_3O_8	Sample Description
602 591M	<50	30	70	50	20	1		30	30	60						0.2 m right hand tributary of Dundas River; gully; no outcrop (drains Eb)
592M	<50	30	70	50	20	1		30	30	60						0.3 m right hand tributary Dundas River; no outcrop (drains Eb)
593M	<50	50	190	240	20	<1		45	40	45						0.3 m right hand tributary of Dundas River; no ouctrop but near bridge 75 m downstream outcrop Eb chloritic silty sandstone 085/45°S (drains Eb)
594M	680	110	0.42%	0.26%	25	9		350	40	0.17%						In Dundas River below 593M above bridge no O/C (Quarry near 602 587M on Dundas Road to Razorback: sandy banded argillite (Eb) 125/60°W) contaminated by Razorback Mine etc.
595M	50	25	60	110	15	1		30	20	340						left hand tributary of Dundas River, 1 m wide bende track possible an old tramway; O/C f.g. pebble conglomerate and lithic tuff(feldspar, black cherty fragments) benide track (drains Eb, ? Es, ?Eh)
596M	<50	20	50	50	10	<1		25	10	40						left hand tributary of 595M : O/C nearby blue black grey argillite ?140°/60°W?? (nearby argillite 110 - 170°/90° dip (drains Eb)
597M	50	95	0.12%	0.12%	20	1		60	50	65						right hand tributary of Dundas River, 0.5 m wide; massive purplish red shale O/C cobbles quartz-feldspar-chlorite acid volcanics and f.g. chloritic siltstone ?tuff (drains Eb)
598M	<50	50	185	190	20	1		40	50	55						right hand tributary of Dundas River; O/C purple shale breccia clasts in green silty matrix (Efe) (drains Eb)
599M	<50	20	50	70	10	1		20	10	70						right hand tributary Station Creek; O/C nearby red shale - (Efe) - green chloritic greywacke siltstone clasts (slump?) breccia plus bands of similar material (drains Eb, Efe)
600M	<50	10	40	50	10	<1		10	10	90				<200	<5	right hand tributary Station Creek; 0.5 m. No O/C. Rubbish Dump nearby (drains Efe, Eb)
601M	50	10	150	130	10	<1		25	20	100						right hand tributary of Station Creek 0.5 m wide; red shales on nearby track (Efe?) - drains Efe
602M	<50	10	125	110	15	1		20	25	200				<200	<5	Station Creek (or right hand tributary?) Efe O/C nearby to east (drains Efe, Eb)
603M	<50	20	50	40	10	<1		20	10	40						right hand tributary of 602M. Efe O/C (red/green Sh breccia) (Quarry nearby : banded breccia and grey/chocolate shale-siltstone 140°/70°SW) - drains Efe, Eco
604M	<50	30	125	170	10	<1		30	25	75						mud flat near Dundas Road - contaminated? (drains Efe and (?) Ed)

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	Mn	Sb	F	U_3O_8	Sample Description
Farrell River Area																
602 605M	<50	2	5	10	10	<1		<5	<5	10				200		right hand tributary of Farrell River above highway; O/C not seen; cobbles (1) conglomerate with elongate quartz, feldspar, rock clasts = arkise (2) white quartz sandstone (Om) drains Om
606M	<50	2	5	10	10	<1		<5	<5	10						0.2 m gully drains Sc - pale sandy sediment
607M	<50	2	10	15	10	<1		<5	<5	10						mud flat north of 606M. No outcrop possibly on Gordon Limestone or moraine (Qpm) drains Sc, Qpm, ?Og.
Tom Creek Area																
608M	<50	10	70	40	15	<1		20	20	15				280	<5	Tom Creek 100 m above highway no outcrop (drains Ed, Pu0, Ec, Jdl)
609M	<50	5	25	10	10	<1		5	<5	520						0.3 m gully betwwen Tom and Westerway Creeks. Flat Og boggy ground (drains Og, Ed)
610M	<50	<2	15	15	5	<1		5	5	160						Westerway Creek 400 m above highway. Contaminated by highway? (drains Sc, Pu0, Ec, Jdl etc.)
611F	<50	10	120	370	10	<1		10	5	230				<200		?malachite (or paint?) stained white quartz sandstone on side of highway above Westerway Creek ? locally derived or foreign? (230 ppm Cr may suggest paint, i.e. contamination)
612M	<50	<2	30	40	10	<1		<5	5	75						gully with old tramway (contaminated?) outcrop white quartz sandstone to north (drains Og, Sc)
613R	<50	30	60	180	20	1		15	10	20				0.22%		road cutting on highway above Westerway Creek : outcrop black f.g. siltstone with pyrite ? Mn 02 etc. Top of Gordon Limestone similar to 552R (Og)
614M	<50	2	120	10	5	<1		5	10	0.44%						washed silt; no outcrop; mud flat (drains Sc)
615M																
A	<50	2	15	10	5	<1		<5	<5	105				<200		button grass valley; no outctop (old track across it nearby) (drains Sc, Og; ?Ed)
B	<50	5	10	20	5	<1		<5	<5	25				<200		
616M	<50	10	30	40	5	<1		10	5	75						0.3 m creek below quarry in Em (Misery Cgl.); contaminated by rubbish, tins etc. outcrop nearby chloritic greywacke sandstone and Sh with red Sh clasts 120°/80°S (drains Em ? Ecl)
617M	<50	<2	10	20	10	<1		<5	<5	60						0.3 m creek contaminated by rubbish; outcrop nearby red purple breccia with green mica, red shale clasts 145°/80°E and W (drains Em)

Sample No./ Location	Sn	Cu	Zn	Pb	Bi	Ag	Au	Ni	Co	Cr	Ca	Mn	Sb	F	U_3O_8	Sample Description
602 618M	<50	5	30	30	10	<1		5	<5	20				220		mud flat (ti-tree); 0.4 m wide; no outcrop (drains Em Ecl)
619M	<50	<2	15	20	10	<1		<5	5	190				<200	<5	Westerway Creek above left hand tributary limonitic coated pebbles; black heavy minerals fairly plentiful on panning (check tourmaline-high level gravel source) drains Ed, Pu0
620P																as for 602 619M
621M	<50	<2	15	15	10	<1		<5	5	140				<200	<5	left hand tributary Westerway Creek below 619M 300 m above highway. 2 m wide no outcrop (drains Ed)
622P																site 602 621M
623M	<50	2	10	20	10	<1		<5	<5	110						Mariposa Creek above highway no outcrop
624M	<50	5	10	15	10	<1		<5	<5	90				<200	<5	Mariposa Creek - main section of creek immediately south of 602 623M (drains Ed, Pu0, Ec, Jdl)

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APPENDIX III

PANNED CONCENTRATE SAMPLES : CHEMICAL ANALYSES (EMISSION SPECTROGRAPHY)

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184142

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ANALYTICAL RESULTS

Samples from: Pacminex Pty. Ltd.
Area: Sydney
Samples of: Heavy Mineral Concentrates
Preparation: Weighed and Pulverised
Batch No.: A 2218

Sheet No.: 1
Date: 7th February, 197

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

Sample Description	Weight mgs	ES-1 Co ppm	Cr ppm	Mn ppm	Mo ppm	Nb ppm	Ni ppm
602004	146	30	>10,000	500	<3	<20	50
17	1019	<5	300	300	<3	<20	30
24	995	20	3,000	300	<3	<20	100
26	610	<5	200	300	<3	<20	20
28	2980	<5	100	200	<3	<20	20
31	2320	20	>10,000	>10,000	<3	<20	50
34	1075	<5	300	100	<3	<20	30
35	2955	20	3,000	>10,000	<3	<20	50
38	1457	10	3,000	500	<3	<20	50
41	128	10	>10,000	>10,000	<3	<20	50
44	230	<5	300	300	<3	<20	30
47	198	30	300	100	<3	<20	30
52	156	10	300	100	<3	<20	30
53	808	30	5,000	300	<3	<20	50
56	118	<5	20	300	<3	<20	<3
61	356	10	200	300	<3	<20	10
63	340	10	300	>10,000	<3	<20	100
65	2135	<5	20	5,000	<3	<20	20
68	757	<5	100	300	<3	<20	<3
71	1213	<5	50	500	<3	<20	<3
75	946	<5	1,000	300	<3	<20	50
76	179	<5	1,000	300	<3	<20	50
80	357	<5	100	300	<3	<20	<3
82	748	<5	100	>10,000	<3	<20	10
89	291	<5	200	300	<3	<20	20
92	32		Not enough Sample				
95	17,685	50	300	300	<3	<20	100
98	5099	100	>10,000	300	<3	<20	200
100	12,111	200	>10,000	300	<3	<20	300
2	2054	50	>10,000	500	<3	<20	100
4	31		Not enough Sample				
6	310	<5	500	5,000	<3	<20	30
8	1270	<5	100	1,000	<3	<20	20
10	7580	<5	30	100	<3	<20	<3
15	128	50	10,000	300	<3	<20	100
17	757	<5	300	300	<3	<20	30
18	130	5	3,000	300	<3	<20	50
20	415	<5	100	300	<3	<20	<3
22	6806	30	3,000	300	<3	<20	30
24	364	50	>10,000	300	<3	<20	100
26	88	<5	>10,000	200	<3	<20	30
28	219	<5	3,000	200	<3	<20	50
30	451	<5	300	100	<3	<20	20
32	107	<5	100	50	<3	<20	100
34	163	50	5,000	100	<3	<20	300
36	70	<5	300	100	<3	<20	20
38	265	<5	200	100	<3	<20	20
41	82	50	2,000	200	<3	<20	100
602143	4782	100	5,000	300	<3	<20	100

ANALYTICAL METHODS: Analysis by Emission Spectrography

DISTRIBUTION: Pacminex-Zeehan
Pacminex-Sydney

Signed .....

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

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184143

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ANALYTICAL RESULTS

Samples from: Pacminex Pty. Ltd.
Area: Sydney.
Samples of: Heavy Mineral Concentrates.
Preparation: Weighed and Pulverised.
Batch No.: A 2218.

Sheet No.: 1/2
Date: 7th February 1978.

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

Sample Description	Weight mgs	Ppm Co	Ppm Cr	Ppm Mn	Ppm Mo	Ppm Nb	Ppm Ni
602145	3373	50	2,000	100	<3	<20	100
47	307	<5	200	200	<3	<20	30
49	7287	200	3,000	200	<3	<20	2,000
51	1318	<5	100	100	<3	<20	100
53	5225	<5	20	1,000	<3	<20	5
55	611	<5	100	200	<3	<20	20
57	1145	<5	200	100	<3	<20	30
58	22		Not	Enough	Sample.		
60	4020	<5	30	100	<3	<20	<3
62 (A)	46		Not	Enough	Sample.		
62 (B)	2709	<5	200	100	<3	<20	20
64	577	<5	1,000	100	<3	<20	50
67	1537	<5	20	20	<3	<20	30
69	590	<5	100	30	<3	<20	5
72	5383	<5	100	300	<3	<20	10
76	409	<5	50	100	<3	<20	<3
78	333	<5	<20	100	<3	<20	<3
80	680	<5	<20	300	<3	<20	10
82	298	<5	200	500	<3	<20	20
84	483	<5	100	2,000	<3	<20	30
86	196	<5	20	100	<3	<20	5
89	1082	<5	50	300	<3	<20	30
91	2460	<5	200	>10,000	<3	<20	30
94	2508	<5	<20	100	<3	<20	30
96	2544	<5	<20	20	<3	<20	20
98	1535	<5	<20	30	<3	<20	5
200	171	<5	50	100	<3	<20	5
2	2030	<5	<20	100	<3	<20	10
4	810	<5	50	100	<3	<20	10
6	165	<5	30	200	<3	<20	<3
8	364	<5	20	30	<3	<20	3
10	1200	<5	<20	100	<3	<20	<3
12	440	<5	<20	200	<3	<20	<3
15	7777	<5	<20	200	<3	<20	<3
17	1524	<5	20	200	<3	<20	<3
19	222	<5	<20	200	<3	<20	<3
21	1764	<5	30	100	<3	<20	<3
23	308	<5	<20	200	<3	<20	<3
25	320	<5	<20	500	<3	<20	<3
27	821	<5	<20	200	<3	<20	<3
29	577	<5	<20	100	<3	<20	<3
31	1003	<5	<20	100	<3	<20	<3
33	573	<5	<20	200	<3	<20	<3
35	548	<5	<20	200	<3	<20	<3
39	811	<5	<20	200	<3	<20	<3
42	1176	<5	30	200	<3	<20	<3
45	96	<5	<20	200	<3	<20	<3
47	102	<5	<20	300	<3	<20	<3
602249	847	<5	<20	200	<3	<20	<3

ANALYTICAL METHODS: Analysis by Emission Spectrography

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A.C.S. Laboratories Pty. Ltd.
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UNLEY, S.A. 5061
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PHONE: 272 5733

ANALYTICAL RESULTS

Samples from: Pacminex Pty. Ltd.
Area: Sydney.
Samples of: Heavy Mineral Concentrates.
Preparation: Weighed and Pulverised.
Batch No.: A 2218.

Sheet No.: 3
Date: 7th February 1978.

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

Sample Description	Weight mgs	ppm Co	ppm Cr	ppm Mn	ppm Mo	ppm Nb	ppm Ni
602251	69	<5	<20	200	<3	<20	<3
53	147	<5	50	200	<3	<20	<3
55	41		Not	Enough	Sample.		
57	152	<5	<20	200	<3	<20	<3
60	399	<5	20	200	<3	<20	20
62	423	<5	50	200	<3	<20	20
64	124	<5	50	300	<3	<20	<3
66	117	<5	<20	100	<3	<20	<3
68	592	<5	<20	500	<3	<20	<3
71	538	<5	<20	300	<3	<20	<3
73	1180	<5	<20	100	<3	<20	<3
75	189	<5	50	300	<3	<20	<3
77	894	<5	50	300	<3	<20	<3
79	4660	<5	50	300	<3	<20	<3
81	1087	<5	20	300	<3	<20	20
84	8512	<5	<20	200	<3	<20	<3
86	672	<5	30	300	<3	<20	100
88	1443	<5	30	300	<3	<20	50
90	311	<5	30	300	<3	<20	100
92	1688	<5	<20	2,000	<3	<20	<3
94	713	<5	30	100	<3	<20	<3
96	174	<5	100	100	<3	<20	30
98	1922	<5	50	100	<3	<20	3
300	1122	<5	300	1,000	<3	<20	10
2	22.03g	<5	20	1,000	<3	<20	<3
4	686	<5	50	300	<3	<20	<3
7	2058	<5	30	300	<3	<20	3
10	2566	<5	20	300	<3	<20	3
15	265	<5	30	300	<3	<20	3
23	1205	<5	1,000	300	<3	<20	10
34	205	<5	500	200	<3	<20	10
50	182	<5	1,000	100	<3	<20	3
52	411	<5	30	1,000	<3	<20	3
58	1525	<5	30	500	<3	<20	3
60	490	<5	20	300	<3	<20	3
61	1573	<5	20	300	<3	<20	3
94	5198	<5	<20	30	<3	<20	<3
403	3157	<5	20	100	<3	<20	<3
23	449	<5	<20	100	<3	<20	<3
25	4401	<5	30	200	<3	<20	10
51	768	<5	100	200	<3	<20	30
61	255	<5	30	200	<3	<20	20
544	4957	<5	1,000	300	<3	<20	20
46	1826	<5	>10,000	2,000	<3	<20	20
57	287	<5	200	100	<3	<20	<3
61	1114	<5	2,000	200	<3	<20	20
64	12.86g	<5	2,000	100	<3	<20	20
66	5259	<5	2,000	200	<3	<20	20
602584	9208	<5	1,000	200	<3	<20	20

ANALYTICAL METHODS: Analysis by Emission Spectrography

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ANALYTICAL RESULTS

Samples from: Pacminex Pty. Ltd.
Area: Sydney.
Samples of: Heavy Mineral Cincentrates.
Preparation: Weighed and Pulverised.
Batch No.: A 2218.

Sheet No.: 4
Date: 7th February 1978.

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

Sample Description	Weight mgs	ppm Co	ppm Cr	ppm Mn	ppm Mo	ppm Nb	ppm Ni
602620	46.19	50	>10,000	200	<3	<20	20
602622	21.80	20	5,000	100	<3	<20	20
McCooneys Prop.	4050	10	50	>10,000	<3	<20	10

ANALYTICAL METHODS: Analysis by Emission Spectrography

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ANALYTICAL RESULTS

Samples from: Pacminex Pty. Ltd.
Area: Sydney.
Samples of: Heavy Mineral Concentrates.
Preparation: Weighed and Pulverised.
Batch No.: A 2218.

Sheet No.: 5
Date: 7th February 1978

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

Sample Description	ES-1 V ppm	ppm W	ES-2 Ag ppm	As ppm	Au ppm	Bi ppm	Cd ppm
602004	300	500	<0.1	5,000	<3	300	<3
17	50	500	<0.1	>10,000	<3	200	<3
24	50	1000	<0.1	>10,000	<3	<1	<3
26	50	1000	<0.1	>10,000	<3	<1	<3
28	<10	1000	<0.1	>10,000	<3	200	<3
31	500	2000	<0.1	>10,000	<3	<1	<3
34	200	>10000	<0.1	>10,000	<3	300	<3
35	300	5000	<0.1	5,000	<3	300	<3
38	300	3000	<0.1	5,000	<3	100	<3
41	500	3000	<0.1	>10,000	<3	100	<3
44	30	500	<0.1	3,000	<3	30	<3
47	30	1000	<0.1	3,000	<3	50	<3
52	30	1000	<0.1	>10,000	<3	20	<3
53	500	3000	<0.1	50	<3	<1	<3
56	<10	300	<0.1	1,000	<3	<1	<3
61	10	1000	<0.1	1,000	<3	<1	<3
63	50	3000	<0.1	1,000	<3	100	<3
65	50	2000	<0.1	1,000	<3	<1	<3
68	50	2000	<0.1	500	<3	<1	<3
71	50	3000	<0.1	500	<3	<1	<3
75	50	3000	<0.1	1,000	<3	100	<3
76	50	2000	<0.1	1,000	<3	200	<3
80	50	1000	<0.1	5,000	<3	<1	<3
82	50	1000	<0.1	3,000	<3	<1	<3
89	50	500	<0.1	3,000	<3	<1	<3
92	Not Enough Sample.			>10,000	<3	>10,000	<3
95	50	500	<0.1	5,000	<3	200	<3
98	100	1000	<0.1	1,000	<3	300	<3
100	300	3000	<0.1	500	<3	200	<3
2	200	1000	<0.1	3,000	<3	300	<3
4	Not Enough Sample.			1,000	<3	200	<3
6	100	<50	<0.1	3,000	<3	200	<3
8	50	<50	<0.1	1,000	<3	<1	<3
10	10	500	<0.1	1,000	<3	200	<3
15	300	1000	<0.1	2,000	<3	200	<3
17	30	300	<0.1	2,000	<3	<1	<3
18	100	>10000	<0.1	2,000	<3	100	<3
20	10	500	<0.1	1,000	<3	<1	<3
22	30	1000	<0.1	5,000	<3	200	<3
24	300	2000	<0.1	>10,000	<3	200	<3
26	300	1000	2	2,000	<3	300	<3
28	300	200	0.5	5,000	<3	200	<3
30	200	<50	<0.1	>10,000	<3	<1	<3
32	300	100	1	3,000	<3	20	<3
34	300	300	0.5	5,000	<3	20	<3
36	200	200	<0.1	1,000	<3	10	<3
38	200	100	1	1,000	<3	30	<3
41	100	200	30	500	<3	10	<3
602143	300	1000		1,000	<3	100	<3

ANALYTICAL METHODS: Analysis by Emission Spectrography

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ANALYTICAL RESULTS

Samples from: Pacminex Pty. Ltd.
Area: Sydney.
Samples of: Heavy Mineral Concentrates.
Preparation: Weighed and Pulverised.
Batch No.: A 2218.

Sheet No.: 6
Date: 7th February 1978.

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

Sample Description	ES-1 V ppm	W ppm	ES-2 Ag ppm	As ppm	Au ppm	Bi ppm	Cd ppm
602145	100	500	<0.1	500	<3	100	<3
47	50	<50	1	2,000	<3	30	<3
49	50	2000	0.5	1,000	<3	300	<3
51	30	<50	<0.1	500	<3	<1	<3
53	10	<50	0.2	3,000	<3	<1	<3
55	100	<50	<0.1	2,000	<3	<1	<3
57	200	<50	<0.1	2,000	<3	<1	<3
58	Not Enough Sample.			2,000	<3	<1	<3
60	<10	<50	0.3	2,000	<3	<1	<3
62 (A)	Not Enough Sample.		<0.1	<50	<3	<1	<3
62 (B)	50	<50	<0.1	2,000	<3	100	<3
64	100	200	0.1	2,000	<3	100	<3
67	50	<50	<0.1	50	<3	<1	<3
69	50	<50	<0.1	50	<3	<1	<3
72	50	<50	0.5	1,000	<3	<1	<3
76	30	<50	<0.1	50	<3	<1	<3
78	20	<50	<0.1	50	<3	<1	<3
80	30	<50	<0.1	50	<3	<1	<3
82	50	<50	1.0	50	<3	<1	<3
84	50	<50	2.0	50	<3	<1	<3
86	30	<50	0.1	50	<3	<1	<3
89	50	<50	1.0	300	<3	<1	<3
91	30	<50	3.0	500	<3	<1	<3
94	100	<50	<0.1	200	<3	<1	<3
96	50	<50	<0.1	200	<3	<1	<3
98	30	<50	<0.1	<50	<3	<1	<3
200	30	<50	<0.1	<50	<3	<1	<3
2	50	<50	0.5	300	<3	<1	<3
4	50	<50	<0.1	200	<3	<1	<3
6	50	<50	<0.1	50	<3	<1	<3
8	20	<50	<0.1	50	<3	<1	<3
10	30	<50	0.5	200	<3	30	<3
12	30	<50	1.0	100	<3	100	<3
15	30	<50	1.0	300	<3	530	<3
17	50	<50	<0.1	200	<3	20	<3
19	10	<50	0.5	200	<3	100	<3
21	30	<50	0.3	200	<3	20	<3
23	20	<50	<0.1	200	<3	30	<3
25	100	<50	0.1	100	<3	50	<3
27	30	<50	<0.1	50	<3	20	<3
29	20	<50	<0.1	50	<3	20	<3
31	<10	<50	<0.1	50	<3	20	<3
33	10	<50	<0.1	50	<3	20	<3
35	10	<50	1.0	50	<3	30	<3
39	10	<50	0.5	100	<3	30	<3
42	10	<50	0.1	100	<3	50	<3
45	10	<50	<0.1	50	<3	30	<3
47	<10	<50	<0.1	30	<3	20	<3
602249	10	<50	<0.1	100	<3	30	<3

ANALYTICAL METHODS: Analysis by Emission Spectrography

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PHONE: 272 5733

ANALYTICAL RESULTS

Samples from: Pacminex Pty. Ltd.
Area: Sydney
Samples of: Heavy Mineral Concentrates
Preparation: Weighed and Pulverised
Batch No.: A 2218

Sheet No.: 7
Date: 7th February 1978

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

Sample Description	SS-1 V ppm	Y ppm	SS-2 Ag ppm	As ppm	Au ppm	Bi ppm	Cd ppm
602251	10	<50	<0.1	100	<3	30	<3
53	20	<50	<0.1	100	<3	30	<3
55	Sample not received		<0.1	200	<3	100	<3
57	10	<50	1	200	<3	200	<3
60	30	<50	.3	100	<3	100	<3
62	30	<50	0.5	200	<3	100	<3
64	30	<50	0.5	200	<3	50	<3
66	<10	<50	0.5	100	<3	50	<3
68	10	<50	.1	200	<3	100	50
71	10	<50	3.0	100	<3	100	<3
73	10	<50	.5	100	<3	200	<3
75	20	<50	1	100	<3	5	<3
77	20	<50	0.5	100	<3	100	<3
79	10	<50	0.5	200	<3	100	<3
81	10	<50	0.5	50	<3	20	<3
84	<10	<50	1.0	100	<3	50	<3
86	100	500	1.0	200	<3	100	<3
88	20	<50	<0.1	200	<3	200	<3
90	100	300	<0.1	200	<3	200	<3
92	<10	<50	3	200	<3	200	<3
94	30	<50	<0.1	200	<3	100	<3
96	100	<50	0.5	200	<3	100	<3
98	50	<50	0.5	500	<3	30	<3
300	100	<50	30	1000	<3	30	<3
2	10	<50	30	300	<3	30	1,000 ~~1,000~~ 4/3
4	20	<50	<0.1	300	<3	30	<3
7	100	<50	20	1000	<3	100	<3
10	100	<50	20	100	<3	100	<3
15	50	<50	<0.1	100	<3	100	<3
23	100	200	0.3	300	<3	100	<3
34	100	<50	0.3	300	<3	100	<3
50	100	100	0.3	100	<3	30	<3
52	100	<50	<0.1	100	<3	100	<3
58	200	<50	0.3	300	<3	100	<3
60	200	<50	0.3	300	<3	100	<3
61	100	<50	<0.1	100	<3	100	<3
94	20	<50	<0.1	100	<3	100	<3
403	30	<50	<0.1	100	<3	100	<3
23	20	<50	2.0	2000	<3	300	<3
25	100	<50	30	100	<3	50	<3
51	100	<50	<0.1	100	<3	100	<3
61	100	<50	30	1000	<3	200	<3
544	500	<50	1.0	300	<3	200	<3
46	300	500	1.0	300	<3	100	<3
57	50	<50	0.5	300	<3	100	<3
602561	100	200	0.5	300	<3	100	<3
64	100	300	20	500	<3	100	<3
66	200	500	0.5	300	<3	100	<3
84	100	50	0.3	1000	<3	100	<3
602620	100	1,000	0.1	300	<3	100	<3

ANALYTICAL METHODS: Analysis by Emission Spectrography

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ANALYTICAL RESULTS

Samples from: Pacminex Pty. Ltd.
Area: Sydney
Samples of: Heavy Mineral Concentrates
Preparation: Weighed and Pulverised
Batch No.: A 2218

Sheet No.: 8
Date: 7th February 1978

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

Sample Description	ES-1 W ppm	V ppm	ES-2 Ag ppm	As ppm	Au ppm	Bi ppm	Cd ppm
602622	100	300	0.1	500	<3	100	<3
McCooneys Prop.	100	<50	30	>10,000	<3	300	<3

ANALYTICAL METHODS: Analysis by Emission Spectrography

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ANALYTICAL RESULTS

Samples from: Pacminex Pty. Ltd.
Area: Sydney
Samples of: Heavy Mineral Concentrates
Preparation: Weighed and Pulverised
Batch No.: A 2218

Sheet No.: 9
Date: 7th February 197?

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

Sample Description	Cu ppm	In ppm	Pb ppm	Sb ppm	Sn ppm	Zn ppm	Ba ppm
602004	1,000	50	100	3,000	3,000	1,000	300
17	2,000	50	300	3,000	>10,000	1,000	1,000
24	200	100	300	100	>10,000	100	200
26	200	100	3,000	200	>10,000	100	300
28	300	50	200	300	>10,000	1,000	>10,000
31	30	<5	30	<30	>10,000	<20	2,000
34	100	50	300	2,000	>10,000	1,000	2,000
35	50	50	100	2,000	3,000	1,000	500
38	50	50	100	1,000	1,000	2,000	300
41	50	50	2,000	1,000	5,000	2,000	1,000
44	50	<5	200	1,000	1,000	1,000	300
47	20	<5	100	2,000	1,000	2,000	500
52	30	50	1,000	1,000	>10,000	1,000	500
53	8.5	<5	<1	1,000	200	<20	500
56	50	<5	50	<30	500	<20	500
61	30	10	100	1,000	1,000	1,000	500
63	30	30	30	2,000	1,000	1,000	500
65	1,000	300	>10,000	30	300	<20	1,000
68	30	<5	100	500	200	50	500
71	30	<5	100	500	50	<20	1,000
73	30	10	100	1,000	200	500	100
76	30	30	100	2,000	200	1,000	30
80	30	30	200	1,000	3,000	300	30
82	30	<5	200	1,000	2,000	1,000	100
89	500	50	1,000	500	2,000	1,000	300
92	500	50	2,000	>10,000	>10,000	2,000	not enough sample
95	100	30	30	5,000	500	300	300
98	100	50	30	5,000	500	1,000	100
100	100	30	<1	3,000	500	1,000	
2	300	30	30	2,000	>10,000	1,000	300
4	300	30	50	2,000	500	1,000	not enough sample
6	200	30	100	2,000	1,000	3,000	100
8	20	10	100	100	500	500	300
10	1,000	30	300	1,000	2,000	1,000	200
15	500	50	500	1,000	3,000	1,000	50
17	500	30	100	1,000	2,000	1,000	100
18	500	50	1,000	1,000	2,000	1,000	300
20	30	10	500	1,000	300	<20	100
22	500	10	100	1,000	>10,000	1,000	100
24	1,000	10	100	1,000	>10,000	1,000	30
26	50	30	100	3,000	3,000	1,000	50
28	50	30	50	3,000	>10,000	1,000	1,000
30	50	20	100	1,000	>10,000	100	<20
32	50	30	100	3,000	5,000	2,000	30
34	50	20	100	3,000	>10,000	1,000	30
36	50	<5	100	3,000	1,000	1,000	1,000
38	100	50	30	3,000	1,000	1,000	30
41	300	<5	100	3,000	500	1,000	30
43	200	30	50	5,000	1,000	1,000	1,000
602145	100	10	500	3,000	1,000	1,000	30

ANALYTICAL METHODS: Analysis by Emission Spectrography

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50 MARY STREET
UNLEY, S.A. 5061
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UNLEY, S.A. 5061
PHONE: 272 5733

ANALYTICAL RESULTS

Samples from: Pacminex Pty. Ltd.
Area: Sydney
Samples of: Heavy Mineral Concentrates
Preparation: Weighed and Pulverised
Batch No.: A 2218

Sheet No.: 10
Date: 7th February 1978

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

Sample Description	Cu ppm	Mo ppm	Pb ppm	Sb ppm	Sn ppm	Zn ppm	Ba ppm
602147	300	30	200	2,000	2,000	500	500
49	200	30	100	5,000	2,000	1,000	<30
51	50	<5	30	200	100	100	500
53	200	<5	300	<30	2,000	20	1,000
55	50	<5	10	<30	1,000	200	1,000
57	30	5	50	1,000	1,000	1,000	100
58	30	10	300	1,000	2,000	1,000	not enough sample
60	100	<5	100	<30	500	<20	500
62A	30	<5	<1	500	100	300	not enough sample
62B	100	30	50	2,000	1,000	1,000	<30
64	100	30	50	2,000	1,000	2,000	1,000
67	10	<5	<1	<30	<1	<20	1,000
69	10	<5	<1	<30	<1	20	300
72	30	100	50	1,000	20	500	
76	10	<5	10	<30	<1	<20	500
78	30	<5	20	<30	<1	<20	500
80	30	<5	20	<30	<1	<20	1,000
82	30	<5	30	30	<1	30	30
84	50	<5	100	30	<1	20	500
86	30	<5	50	<30	<1	<20	2,000
89	100	10	200	50	30	20	300
91	100	20	1,000	100	100	<20	500
94	20	<5	200	<30	<1	<20	500
96	50	<5	<1	<30	<1	<20	1,000
98	30	<5	<1	<30	<1	<20	1,000
200	m30	<5	<1	<30	<1	<20	500
2	100	<5	50	<30	50	<20	500
4	50	<5	<1	<30	30	20	100
6	30	<5	50	<30	<1	<20	500
8	20	<5	<1	<30	<1	<20	5,000
10	10	<10	10	<30	100	20	1,000
12	30	<10	30	<30	<1	100	500
15	30	<10	50	<30	300	<20	200
17	3	<10	10	<30	300	<20	3,000
19	50	<10	300	30	100	100	300
21	30	<10	100	<30	200	<20	300
23	30	<10	30	<30	200	<20	300
25	50	<10	300	<30	50	30	500
27	30	<10	20	<30	<1	<20	500
29	30	<10	30	<30	<1	<20	300
31	20	<10	10	<30	<1	<20	2,000
33	20	<10	50	<30	3	<20	1,000
35	30	<10	50	<30	3	<20	3,000
39	30	<10	50	<30	50	<20	300
42	30	<10	100	<30	30	<20	200
45	10	<10	100	<30	30	30	100
47	10	<10	100	<30	<1	<20	1,000
49	20	<10	50	<30	<1	<20	500
51	20	<10	100	<30	50	20	500
602253	20	<10	100	<30	20	100	1,000

ANALYTICAL METHODS: Analysis by Emission Spectrography

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PHONE: 272 5733

ANALYTICAL RESULTS

Samples from: Pacminex Pty. Ltd.
Area: Sydney
Samples of: Heavy Mineral Concentrates
Preparation: Weighed and Pulverised
Batch No.: A 2218

Sheet No.: 11
Date: 7th February 197[illegible]

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

Sample Description	Cu ppm	In ppm	Pb ppm	Sb ppm	Sn ppm	Zn ppm	Ba ppm
602255	100	30	300	500	30	1,000	
57	50	30	200	50	30	2,000	50
60	50	10	100	<30	10	100	300
62	50	10	300	50	100	50	2,000
64	30	<10	200	500	30	<20	1,000
66	20	<10	50	30	3	100	300
68	50	<10	>10,000	2,000	50	<20	200
71	50	<10	500	<30	20	<20	300
73	100	30	300	<30	10	<20	200
75	20	<10	50	300	20	1,000	100
77	100	<10	100	<30	10	20	100
79	100	<10	100	200	200	50	50
81	10	<10	100	300	20	<20	100
84	30	<10	500	30	20	<20	<20
86	20	<10	500	1,000	300	1,000	100
88	20	30	200	1,000	200	1,000	<30
90	20	<10	300	1,000	200	1,000	<30
92	50	<10	300	<30	100	<20	1,000
94	10	30	100	200	20	50	200
96	10	<10	300	500	100	100	<30
98	50	10	100	<30	200	<20	<30
300	30	<10	200	500	500	<20	<30
2	20	<10	>10,000	500	300	<20	<30
4	20	<10	100	<30	200	100	<30
7	50	<10	100	50	200	2,000	<30
10	20	30	30	<30	3	3,000	<30
15	10	100	100	50	10	100	<30
23	100	<10	200	2,000	500	1,000	<30
34	100	50	300	2,000	100	1,000	<30
50	50	30	300	2,000	100	1,000	30
52	20	20	100	<30	1	500	100
58	10	<10	30	<30	50	2,000	<30
60	10	30	50	<30	50	2,000	30
61	10	30	30	<30	<1	1,000	<30
94	100	30	500	<30	<1	50	<30
403	20	<10	50	<30	<1	50	300
23	100	<10	100	500	500	100	<30
25	50	50	200	50	30	20	<30
31	50	<10	100	500	30	20	<30
61	200	<10	100	1,000	50	1,000	<30
544	200	30	100	1,000	50	1,000	<30
46	100	30	100	3,000	100	1,000	30
57	100	10	100	2,000	100	1,000	<30
61	30	30	100	2,000	100	1,000	50
64	20	30	100	2,000	200	1,000	<30
66	30	20	100	2,000	200	2,000	<30
84	100	30	100	2,000	300	1,000	<30
620	100	50	100	3,000	300	1,000	30
22	100	30	100	3,000	300	1,000	30
McCooney's Prop.	300	30	1,000	1,000	>10,000	1,000	<30

ANALYTICAL METHODS: Analysis by Emission Spectrography

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PHONE: 272 5733

ANALYTICAL RESULTS

Samples from: Pacminex Pty. Ltd.
Area: Sydney
Samples of: Heavy Mineral Concentrates
Preparation: Weighed and Pulverised
Batch No.: A 2218

Sheet No.: 12
Date: 7th February 1978.

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

Sample Description	ES-3 Ca ppm	La ppm	Ti ppm	Y ppm	Zr ppm	ES-4 Hg ppm	P ppm	ES-6 B ppm
602004	1,000	<100	>10,000	500	5,000	<30	3,000	3,000
17	1,000	<100	>10,000	300	5,000	<30	3,000	1,000
24	500	<100	>10,000	100	3,000	<30	5,000	3,000
26	500	<100	>10,000	200	3,000	<30	3,000	2,000
28	100	<100	>10,000	100	1,000	<30	1,000	5,000
31	>10,000	<100	>10,000	100	2,000	<30	1,000	1,000
34	<100	<100	1,000	<10	1,000	<30	3,000	>10,000
35	2,000	<100	>10,000	500	5,000	<30	3,000	5,000
38	3,000	<100	>10,000	<10	1,000	<30	3,000	5,000
41	<100	<100	>10,000	100	>10,000	<30	3,000	5,000
44	100	<100	>10,000	100	5,000	<30	1,000	3,000
47	100	<100	>10,000	100	5,000	<30	1,000	3,000
52	100	<100	>10,000	500	3,000	<30	5,000	3,000
53	100	<100	>10,000	<10	1,000	<30	>100	100
56	100	<100	5,000	<10	500	<30	1,000	300
61	100	<100	>10,000	<10	500	<30	1,000	200
63	<100	<100	5,000	<10	500	<30	2,000	300
65	<100	<100	300	<10	<100	<30	>10,000	100
68	<100	<100	300	<10	<100	<30	2,000	50
71	<100	<100	300	<10	<100	<30	2,000	50
75	<100	<100	3,000	<10	300	<30	1,000	100
76	<100	<100	5,000	<10	500	<30	1,000	100
80	<100	<100	3,000	<10	500	<30	1,000	300
82	300	<100	>10,000	200	5,000	<30	1,000	300
89	<100	<100	5,000	<10	500	<30	2,000	200
92	not enough sample			-	-	<30	>10,000	3,000
95	300	<100	1,000	<10	100	<30	1,000	50
98	300	<100	1,000	<10	100	100	3,000	50
100	5,000	<100	5,000	<10	200	<30	3,000	50
2	1,000	<100	1,000	<10	100	<30	>10,000	50
4	- not enough sample			-	-	<30	3,000	5,000
6	3,000	<100	>10,000	<10	5,000	<30	3,000	3,000
8	<100	<100	3,000	<10	<100	<30	1,000	200
10	300	<100	5,000	<10	3,000	<30	1,000	100
15	<100	<100	3,000	<10	1,000	<30	1,000	1,000
17	<100	<100	5,000	<10	1,000	<30	1,000	2,000
18	1,000	<100	>10,000	<10	2,000	<30	1,000	1,000
20	<100	<100	3,000	<10	1,000	<30	1,000	100
22	1,000	<100	>10,000	<10	3,000	<30	>10,000	300
24	500	<100	>10,000	<10	5,000	<30	>10,000	500
26	200	<100	5,000	<10	2,000	<30	5,000	300
28	>10,000	<100	>10,000	<10	5,000	<30	2,000	1,000
30	1,000	<100	3,000	<10	3,000	<30	2,000	300
32	5,000	300	>10,000	30	5,000	<30	2,000	1,000
34	2,000	<100	5,000	30	5,000	<30	2,000	1,000
36	3,000	200	5,000	30	5,000	<30	1,000	500
38	3,000	<100	>10,000	30	>10,000	<30	3,000	2,000
41	5,000	<100	5,000	30	2,000	<30	2,000	100
43	2,000	<100	3,000	50	500	<30	3,000	200
45	>10,000	<100	>10,000	30	1,000	<30	1,000	100

ANALYTICAL METHODS: Analysis by Emission Spectrography

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UNLEY, S.A. 5061
PHONE: 272 5733

ANALYTICAL RESULTS

Samples from: Pacminex Pty. Ltd.
Area: Sydney
Samples of: Heavy Mineral Concentrates
Preparation: Weighed and Pulverised
Batch No.: A 2218

Sheet No.: 13
Date: 7th February 1978.

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

Sample Description	OS-3 Ce ppm	La ppm	Ti ppm	Y ppm	Zr ppm	OS-4 Hg ppm	P ppm	OS-6 B ppm
602147	>10,000	<100	5,000	50	2,000	<30	1,000	300
49	1,000	<100	3,000	30	1,000	<30	2,000	100
51	1,000	<100	5,000	<10	2,000	<30	500	200
53	1,000	<100	2,000	50	500	<30	3,000	1,000
55	1,000	<100	>10,000	30	2,000	<30	500	200
57	1,000	<100	3,000	10	1,000	<30	2,000	300
58	not enough sample					<30	2,000	1,000
60	1,000	300	2,000	200	500	<30	1,000	1,000
62A	not enough sample					<30	<100	1,000
62B	1,000	<100	5,000	30	1,000	<30	2,000	500
64	2,000	<100	>10,000	50	3,000	<30	2,000	1,000
67	50	<100	3,000	<10	300	<30	500	30
69	300	<100	3,000	<10	<100	<30	<100	100
72	500	<100	3,000	50	200	<30	500	300
76	50	<100	1,000	<10	300	<30	100	200
78	50	<100	500	<10	100	<30	100	200
80	50	<100	500	<10	<100	<30	100	200
82	500	<100	2,000	300	200	<30	100	300
84	100	<100	1,000	300	<100	<30	500	100
86	100	<100	500	<10	<100	<30	500	100
89	100	<100	1,000	50	<100	<30	1,000	100
91	500	<100	1,000	500	<100	<30	1,000	300
94	500	<100	1,000	<10	<100	<30	1,000	30
96	300	<100	1,000	<10	<100	<30	1,000	30
98	300	<100	1,000	<10	<100	<30	<100	100
200	300	<100	2,000	<10	2,000	<30	<100	200
2	300	<100	3,000	30	200	<30	1,000	300
4	50	<100	2,000	<10	<100	<30	500	100
6	50	<100	500	<10	<100	<30	<100	100
8	100	<100	2,000	<10	100	<30	<100	100
210	20	<100	3,000	<10	100	<30	1,000	30
12	20	<100	5,000	<10	<100	<30	1,000	100
15	30	<100	3,000	<10	300	<30	1,000	100
17	30	<100	1,000	<10	<100	<30	100	50
19	<20	<100	1,000	<10	<100	<30	2,000	2,000
21	20	<100	2,000	<10	300	<30	300	100
23	20	<100	1,000	<10	<100	<30	500	100
25	200	<100	5,000	<10	300	<30	1,000	100
27	30	<100	3,000	<10	<100	<30	300	10
29	30	<100	3,000	<10	300	<30	300	30
31	<20	<100	300	<10	<100	<30	300	30
33	50	<100	2,000	<10	<100	<30	300	50
35	20	<100	1,000	<10	<100	<30	500	300
39	<20	<100	100	<10	<100	<30	500	100
42	<20	<100	300	<10	<100	<30	1,000	200
45	30	<100	1,000	<10	<100	<30	300	200
47	<20	<100	500	<10	<100	<30	<100	200
49	20	<100	500	<10	<100	<30	500	100
51	<20	<100	500	<10	100	<30	100	300
53	<20	<100	1,000	<10	<100	<30	100	1,000

ANALYTICAL METHODS: Analysis by Emission Spectrography

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PHONE: 272 5733

ANALYTICAL RESULTS

Samples from: Pacminex Pty. Ltd.
Area: Sydney
Samples of: Heavy Mineral Concentrates
Preparation: Weighed and Pulverised
Batch No.: A 2218

Sheet No.: 14
Date: 7th February 1978.

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

Sample Description	ES-3 Ce ppm	La ppm	Yb ppm	Y ppm	Zr ppm	ES-4 Hg ppm	P ppm	ES-6 S ppm
602255	not enough sample							
57	20	<100	5,000	<10	100	<30	1,000	300
60	30	<100	2,000	<10	<100	<30	1,000	300
62	<20	<100	1,000	<10	100	<30	500	200
64	<20	<100	1,000	<10	<100	<30	500	100
66	<20	<100	2,000	<10	200	<30	500	200
68	50	<100	2,000	<10	200	<30	500	300
71	30	<100	2,000	<10	<100	<30	200	50
72	50	<100	3,000	<10	<100	<30	1,000	20
75	30	<100	3,000	<10	100	<30	1,000	1,000
77	30	<100	2,000	<10	<100	<30	1,000	50
79	<20	<100	2,000	<10	<100	<30	500	50
81	<20	<100	1,000	<10	<100	<30	<100	50
84	<20	<100	<100	<10	<100	<30	500	50
86	<20	<100	1,000	<10	100	<30	300	100
88	<20	<100	1,000	<10	<100	<30	500	50
90	<20	<100	2,000	<10	<100	<30	500	50
92	30	<100	500	<10	<100	<30	1,000	200
94	<20	<100	300	<10	<100	<30	1,000	200
96	<20	<100	300	<10	<100	<30	500	2,000
98	<20	<100	500	<10	<100	<30	1,000	300
300	<20	<100	500	<10	100	<30	1,000	100
2	<20	<100	<100	<10	<100	<30	100	50
4	<20	<100	100	<10	<100	<30	500	100
7	<20	<100	1,000	<10	<100	<30	5,000	100
10	100	<100	2,000	<10	<100	<30	2,000	200
13	<20	<100	100	<10	<100	<30	2,000	100
23	<20	<100	2,000	<10	1,000	<30	1,000	2,000
24	<20	<100	2,000	<10	2,000	<30	1,000	2,000
50	<20	<100	5,000	<10	5,000	<30	2,000	2,000
52	<20	<100	300	<10	100	<30	2,000	200
53	50	<100	500	<10	<100	<30	2,000	200
60	20	<100	1,000	<10	<100	<30	3,000	100
61	30	<100	1,000	<10	<100	<30	3,000	100
94	<20	<100	1,000	<10	<100	<30	1,000	100
403	<20	<100	300	<10	<100	<30	2,000	100
423	<20	<100	100	<10	<100	<30	2,000	300
425	<20	<100	100	<10	<100	<30	2,000	100
61	<20	<100	100	<10	<100	<30	3,000	500
544	1,000	<100	>10,000	<10	500	<30	3,000	100
46	<20	<100	>10,000	<10	1,000	<30	3,000	300
57	<20	<100	>10,000	<10	100	<30	1,000	200
61	20	<100	3,000	<10	200	<30	1,000	200
64	1,000	<100	1,000	<10	200	<30	2,000	100
66	<20	<100	2,000	<10	300	<30	2,000	100
84	<20	<100	2,000	<10	300	<30	3,000	300
620	<20	<100	2,000	<10	500	<30	3,000	100
22	<20	<100	2,000	<10	1,000	<30	3,000	200
McCoomeys Prop.	20	<100	2,000	<10	100	<30	>10,000	>10,000

ANALYTICAL METHODS: Analysis by Emission Spectrography

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REFERENCE

QUATERNARY	Q Qra	Alluvium
	Qrg	Gravels
	Qt	Conglomerate talus
	Qe	Dolerite talus
	Qrs	Older alluvium marsh deposits, downwash etc.
	Qpf	Fluvioglacial & lacustrine deposits
	Qpm	Moraine
DEVONIAN PERMIAN	P Pz	Zeehan Glacial Formation
DEVONIAN	D Db	Bell Shale
	Df	Florence Quartzite
SILURIAN	S Sac	Austral Creek Siltstone
	Sk	Keel Quartzite
	Sa	Amber Slate
	Sc	Crotty Quartzite
	S	Unassigned
ORDOVICIAN	O Og	Gordon Limestone
	Om	Moina Sandstone
	Oz	Mt. Zeehan Conglomerate
CAMBRIAN	Cm	Misery Conglomerate
	Ecl	Climie Formation
	Ef	Fernflow Formation
	Eco	Comet Formation
	Efe	Fernfields Formation
	Eb	Brewery Junction Formation
	Era	Razorback Conglomerate
	Eh	Hodge Slate
	Er	Red Lead Conglomerate
	Ed	Dundas Group unassigned
	Ec	Crimson Creek Formation
	E	Cambrian unassigned
PROTEROZOIC	P Puo	Oonah Quartzite & Slate
	Pc	Concert Schist
	Pw	Whyte Schist
IGNEOUS ROCKS		
JURASSIC	Jdl	Jurassic Dolerite
DEVONIAN	D Dqp	Quartz porphyry
CAMBRIAN	Eg	Gabbro, norite and dolerite
	Es	Serpentinite and pyroxenite

- Stream sediment (M)
- Panned concentrate (P)
- Rock chip, float (R, F)
- Limonite (L)

184156

79-1388

PACMINEX PTY. LIMITED

DRAINAGE SAMPLE NUMBERS

E.L. 15/76 - North Sheet

DUNDAS, WEST TASMANIA 001

SCALE	1:10000
DRAWN	P.M.M./P.H.
DATE	Jan '79
REVISED	

K 555-6

002

PACMINEX PTY. LIMITED

184157 49-335

DRAINAGE SAMPLE NUMBERS

E.L. 15/76 - South Sheet

DUNDAS, WEST TASMANIA 002

SCALE	1:10000
DRAWN	P.M.M. / P.H.
DATE	December 1977
REVISED	Jan '78

K555 - 7

5cm

003

REFERENCE

Q	Qra	Alluvium
	Qrg	Gravels
	Qt	Conglomerate talus
	Qt	Dolerite talus
	Qrs	Older alluvium marsh deposits, downwash etc.
	Qpf	Fluvioglacial & lacustrine deposits
	Qpm	Moraine
P	Pt	Zeehan Glacial Formation
D	Db	Bell Shale
	Df	Florence Quartzite
S	Sac	Austral Creek Siltstone
	Sk	Keel Quartzite
	Sa	Amber Slate
	Sc	Crotty Quartzite
	S	Unassigned
O	Og	Gordon Limestone
	Om	Moina Sandstone
	Oz	Mt. Zeehan Conglomerate
∈	∈m	Misery Conglomerate
	∈cl	Climie Formation
	∈f	Fernflow Formation
	∈co	Comet Formation
	∈fe	Fernfields Formation
	∈b	Brewery Junction Formation
	∈ra	Razorback Conglomerate
	∈h	Hodge Slate
	∈r	Red Lead Conglomerate
	∈d	Dundas Group unassigned
	∈c	Crimson Creek Formation
	∈	Cambrian unassigned
Z	Zuo	Oonah Quartzite & Slate
	Zc	Concert Schist
	Zw	Whyte Schist

IGNEOUS ROCKS

	Jdl	JURASSIC Dolerite
D	Dqp	Quartz porphyry
∈	∈g	Gabbro, norite and dolerite
	∈s	Serpentinite and pyroxenite

- Stream sediment (M) (-80 mesh)
- Panned concentrate (P)
- Rock chip, float (R, F)
- Limonite (L)

Sequence of values (p.p.m)

Sn
Cu
Zn
Pb
Bi
Ag

184158 79-1385

PACMINEX PTY. LIMITED

DRAINAGE GEOCHEMISTRY
(Sn, Cu, Zn, Pb, Bi, Ag)
(-80 mesh and rock chip samples)
E. L. 15/76 - North Sheet
DUNDAS, WEST TASMANIA 003

SCALE	1 : 10 000
DRAWN	P.M.M. / P.H.
DATE	Jan '79
REVISED	

K 555 - 8

5 cm

004

PACMINEX PTY. LIMITED

DRAINAGE GEOCHEMISTRY
(Sn, Cu, Zn, Pb, Bi, Ag)
(– 80 mesh and rock chip samples)

E.L. 15/76 - South Sheet 184158

DUNDAS, WEST TASMANIA

004

SCALE	1:10 000
DRAWN	P.M.M. / P.H.
DATE	Jan '79
REVISED	

K555-9