TCR 99-4323
Vol 1 of 2

PACIFIC-NEVADA MINING PTY LTD
PO Box 7214
Cloisters Square
Perth WA 6850

581001

EL61/94
ARTHUR RIVER – ROGER RIVER

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REPORT ON EXPLORATION ACTIVITY 9-6-98 TO 9-6-99

Volume 1 of 2

Sean Westbrook, Exploration Geologist
Pacific-Nevada Mining Pty. Ltd. May 1999

tribution: Pacific-Nevada Mining Pty Ltd - Perth
- Hobart
Tasmania Development and Resources

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ANNUAL REPORT - EL 61/94
ARTHUR RIVER-ROGER RIVER
PACIFIC NEVADA-S WESTBROOK

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EL61/94
ARTHUR RIVER – ROGER RIVER

REPORT ON EXPLORATION ACTIVITY
9-6-98 TO 9-6-99

Volume 1 of 1

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ANNUAL REPORT - EL 61/94
ARTHUR RIVER-ROGER RIVER
PACIFIC NEVADA-S WESTBROOK

ABSTRACT

Exploration by Pacific-Nevada Mining Pty Ltd was carried out over Exploration License 61/97 Arthur River – Roger River in search for Proterozoic Cu and Au mineral deposits. During the first year of tenure, Pacific-Nevada conducted a regional reconnaissance programme involving stream sediment (-80#, BCL and panned concentrate), rock chip and soil sampling. A regional airborne magnetic and EM survey was also carried out. Analysis results for stream sediment, rock chip and soil samples taken in EL61/97 were generally of a low to elevated order. Elevated Cu and Zn values are attributed to the basaltic and mafic derived volcanosedimentary units which dominate the outcrop in most drainages in the EL.

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581005

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Plan 8	Airborne Electro Magnetic Survey – Apparent Conductivity

1.0 Introduction

This report summarises progress made in mineral Exploration License 61/94, Arthur River – Roger River, during regional exploration conducted during the period 9th June 1998 to 9th June 1999. Exploration License 61/94 is held by Cominex with exploration activities conducted by Pacific-Nevada Mining Pty Ltd under a joint venture agreement commenced 6 May 1998. Pacific-Nevada Mining compiled this report on behalf of Cominex.

1.1 LOCATION AND ACCESS

EL61/94 is located in northwestern Tasmania, covering 23km2 in the Arthur River – Roger River area south of Smithton (Figure 1). Access is via all weather sealed roads and gravel roads extending south from Smithton.

1.2 TENURE AND LAND USAGE

The northern portion of EL61/94 occurs in the Roger River State Reserve. The remainder covers private property, State Forest and the Sumac Forest Reserve.

2.0 Exploration Concepts

EL61/94 is one of numerous exploration licenses held by Pacific-Nevada Mining in northwest Tasmania, which are being collectively explored for the following potential ore deposit types:

- Proterozoic iron-formation Au (Homestake model)
- Proterozoic iron-formation Cu-Au pipes (Selwyn/Starra)
- Proterozoic sediment-hosted Cu (eg. Kuperschieffer/White Pine)

3.0 Regional Geology

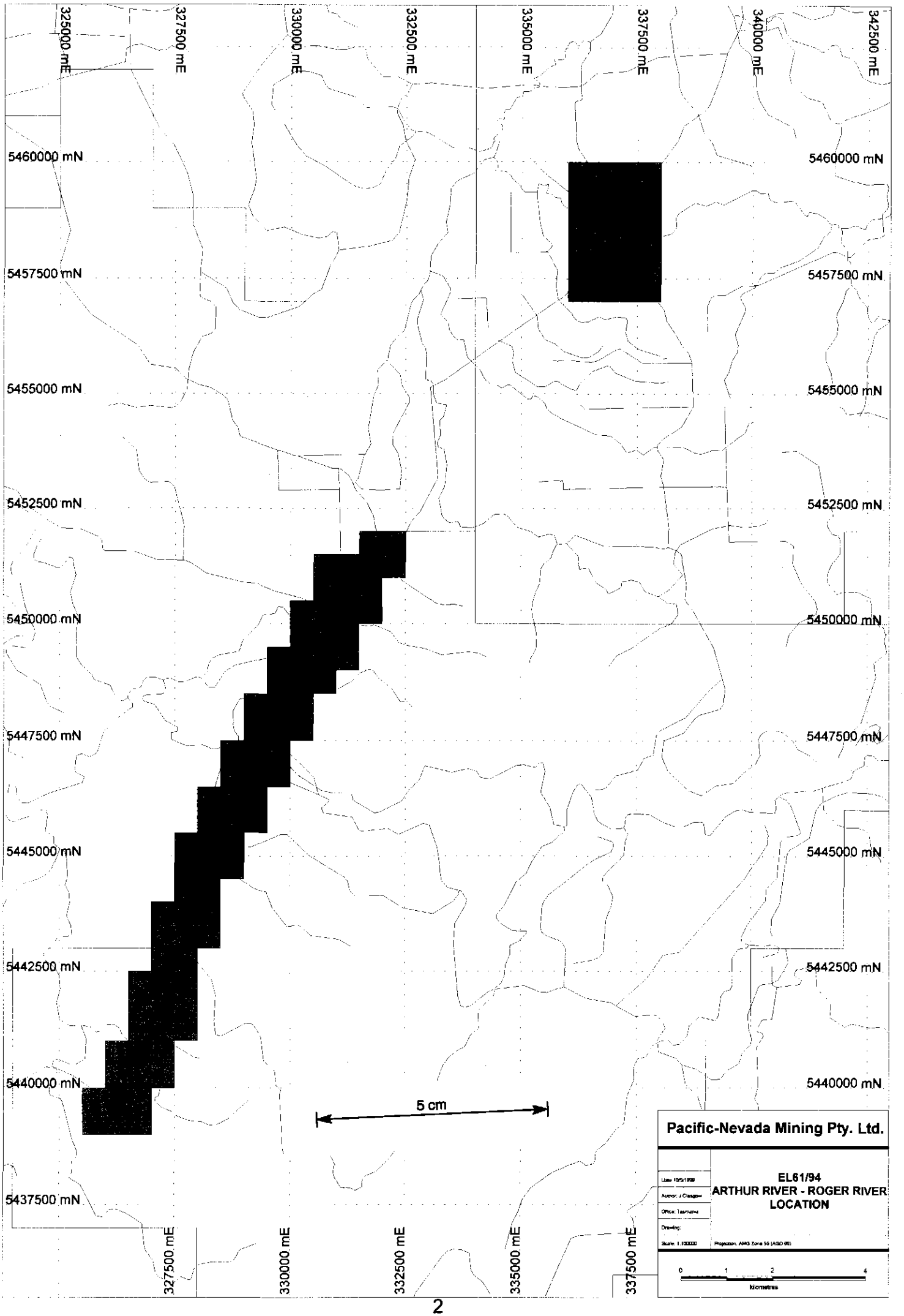
EL61/94 is situated within the Smithton Synclinorium and encloses approximately 15km of strike length of the Roger River Fault. The Smithton Synclinorium comprises a sequence of Neoproterozoic dolomites, volcanic-sedimentary rocks and mafic volcanics which unconformably overly Mesoproterozoic shelf sediments of the Rocky Cape Group. The Roger River Fault has an estimated movement of 900m (west-side down) and separates the Smithton Dolomite in the west from Kanunnah Subgroup sequences to the east.

4.0 Exploration Carried Out by Pacific-Nevada

Pacific-Nevada Mining Pty Ltd conducted reconnaissance exploration over EL61/94 during a regional stream sediment and rock chip sampling programme conducted throughout all of the company's NW Tasmanian EL's. A total of 35 stream sites were sampled. Panned concentrate and BCL samples were collected at all but a few of the sites. –80# samples were collected in all drainages.

A regional airborne magnetic and electromagnetic survey was also conducted. EL61/97 was covered in full by the survey.

Geology was recorded at most sample sites and a limited amount of mapping was done elsewhere. A total of 55 rock chips were collected for analysis. Hand


325000 mE
327500 mE
330000 mE
332500 mE
335000 mE
337500 mE
340000 mE
342500 mE
5460000 mN
5457500 mN
5455000 mN
5452500 mN
5450000 mN
5447500 mN
5445000 mN
5442500 mN
5440000 mN
5437500 mN
5 cm
Pacific-Nevada Mining Pty. Ltd.
EL61/94
ARTHUR RIVER - ROGER RIVER
LOCATION
Date: 10/5/1999
Author: J Glasgow
Office: Tasmania
Drawing:
Scale: 1:100000
Projection: AMG Zone 55 (AGD 66)
0
1
2
4
kilometres

specimen descriptions along with analytical methods and results are given in Appendix 2.

A hematitic ± magnetite-pyrite ironstone horizon located at Canadian Creek was gridded and soil sampled at 25 metre intervals. Part (approx. half) of the grid is situated in EL61/97. C-horizon samples were collected from most sample sites. A single line of soil sampling was conducted at Roger River to test a magnetic anomaly occurring in Smithton Dolomite east of the Roger River Fault.

A Joint Venture agreement between Pacific-Nevada Mining Pty Ltd, Cominex and Ashton Mining, allowed Ashton Mining to test bullseye magnetic anomalies located east of the Roger River Fault between Roger River and the Arthur River. Ashton tested the anomalies for indications of diamond mineralisation via three 20-meter diamond drill holes. Ashton terminated the Joint Venture after three months.

5.0 Discussion of Results

Generally most samples returned low to moderate order assay results. Appendices 1 to 3 give sample numbers, AMG coordinates and analysis results for all sample media.

Anomalous values from rock samples are 1030ppm Zn with 381ppm As and 459ppm Ni (6440583), 471ppm Zn with 110ppm As (6440584), 2372ppm Ba (6440517) and 584ppm Cu (6441541). The highest gold in rock recorded in EL61/97 was 18ppb (7941000).

The soil sampling survey at the Canadian Creek ironstone occurrence returned mostly background assay values. Of interest was a 7120ppm Pb anomaly (7950690). Silver was also detected in soils (up to 3.1ppm) but values were scattered. Peak results for other elements include 541ppm Cu (7950755), 140ppm Zn (7950777) and 8ppb Au (7950834). The single soil sampling line at Roger River returned one elevated sample of 350ppm Zn (7950660). The general lack of gold in soils does not give any encouragement for the Proterozoic ironstone hosted gold exploration model.

Results from stream sediment samples in EL61/97 showed some elevated copper and zinc occurrences. These are attributed to the basalts and volcaniclastic country rocks, which dominate the drainages east of the Roger River Fault. Peak gold and base metal assay results for BLEG, -80# and panned concentrate (PC) sample are shown in Table 1.

Table 1 Peak stream sediment sample results

Sample Type	Au (ppb)	Cu (ppm)	Zn (ppm)	Pb (ppm)
-80#	4 (7931019 & 6430529)	123 (6630850)	305 (6430308)	12 (6430304)
BLEG	6.04 (6521041)	7.88 (6420526)	14.6 (6521041)	0.6 (6521041)
PC	41µg (7911005)	-	-	-

The airborne magnetic and electromagnetic survey identified numerous magnetic and electromagnetic anomalies. Apart form the magnetic anomaly at Roger River most anomalies remain untested. The regional survey was a useful mapping tool, clearly identifying basaltic units as regional magnetic highs and delineating the Roger River Fault and other significant structures. Plans 4 and 5 show the magnetic and electromagnetic data for EL 61/97.

6.0 Conclusions and Recommendations

Low to elevated order gold and base metal values were generally returned from panned concentrate, BCL, -80#, rock chip and soil samples collected in EL61/97. Further testing of anomalous lead and silver values at the Canadian Creek grid is warranted. Ground geophysical surveys (IP and EM) over the Canadian Creek ironstone body would be worthwhile to test for zones of intensified sulphide mineralisation. Further regional based work would involve further analysis of the current geophysical data and testing of anomalies either by grid-based soil sampling or direct drilling.

7.0 Environmental Matters

The only environmental disturbance in EL61/97 occurred at the Canadian Creek grid. 1 meter wide cut lines through open eucalypt scrub, which should self-rehabilitate within 1 to 2 years.

8.0 Expenditure

Expenditure	Total to-date
Geology	$ 8,369.26
Geochem	6,187.58
Geophysics – air	7,764.04
Geophysics – ground	13,145.00
Feasibility Studies	-
Rehabilitation	-
Drilling	1,916.00
Gridding	-
Admin	4,149.74
Other	-
Total	$41,522.62

Pacific-Nevada Mining Pty Ltd

EL61/94

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APPENDIX 1

ROCK CHIP SAMPLE NUMBERS AND DESCRIPTIONS

Rock Chip Sample Numbers and Descriptions

SAMPLE NUMBER	DESCRIPTION
7941000	v wed red-ora sltst-sds
7941001	pple-gy hematitic sds-sltst
7941002	finely laminated, pyritic
7941003	d gy, carbonaceous (w)
7941004	d gy, carbonaceous(W)
7941005	v wed pale crm-bn sltst
7941006	gy-blue sid dol
7941008	crm-red qtzite
7941009	D gy-gn, FeOx stnd
7941010	Crm + gy sid(s) dol?/sds -
7941012	Bk sid(s) sltst/shale Float
6540783	wed bn-red cy. MnOx in
6540784	wed bn-red cy. MnOx in
6540785	wed bn-red cy. MnOx in
6540786	basalt with tc-1% fg native
6540788	sid dol with fg dissem py
6540789	sid dol bx with fg py in
6440507	hematitic dolomite breccia
6440508	Fe-oxidised dolomite
6440509	Dolomite, pervassive hm-q
6440510	silicified dolomite
6440511	silicified dolomite
6440514	volcaniclastic sst/slst - bk
6440515	mg volcaniclastic sst
6440516	volcaniclastic sst/slst - bk
6440517	fg volcaniclastic sst
6440518	mg/cg volcaniclastic sst
6440519	volcaniclastic slst
6440520	volcaniclastic slst/mdst
6440521	thinly bedded
6440522	fractured volcaniclastic
6440523	thinly bedded black sh, py
6440526	interbedded volc slst and
6440562	strongly silicified dolomite
6440563	FeO band from subcrop of
6440564	subcrop of sil dol breccia,
6441029	basalt with 2% calcite min
6441033	Wed(m) sid dol?, crm-lt bu.
6541524	Fe-stone, float
6541526	hm slst & sst with minor
6541527	Fe-stone, dss py 1%
6541528	Fe-stone, slickensides
6441541	kaki basalt, weathered,
6441542	bn hm-slst & sst, gn
6441543	tan & bn fine

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EL61/94

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APPENDIX 2

A 80# SAMPLE NUMBERS, AMG CO-ORDINATES AND ANALYSES

B BULK SAMPLE NUMBERS, AMG CO-ORDINATES AND ANALYSES

C PANCON SAMPLE NUMBERS, AMG CO-ORDINATES AND ANALYSES

A 80# SAMPLE NUMBERS, AMG CO-ORDINATES AND ANALYSES

80#	East (AMG)	North (AMG)	Au	Cu	Pb	Zn	Ni	Fe	Mn	Co	As
6430300	337200	5457830	-1	58	6	149	180	8.57	1782	41	4
6430301	337540	5458140	-1	78	-3	191	173	8.78	3100	52	3
6430302	336560	5457500	-1	40	-3	92	93	4.87	1453	26	2
6430303	337900	5458270	-1	74	-3	107	297	11.3	2498	70	4
6430304	337920	5458400	-1	26	12	90	82	4.24	404	25	2
6430308	337900	5459250	-1	89	10	305	260	10.5	766	67	9
6430309	337960	5459400	-1	78	-3	142	151	11.8	1534	31	4
6430330	336250	5457050	1	74	5	149	122	9.01	1870	37	3
6430529	332180	5451320	4	106	3	191	117	9.16	1159	38	-1
6431051	336770	5459640	-1	30	7	97	54	4.94	162	22	7
6431052	336340	5459990	-1	23	-1	63	34	3.95	156	21	4
6530901	328810	5444960	-1	53	-3	100	54	5.1	209	23	3
6530902	328800	5444850	-1	57	-3	137	98	8.53	928	30	5
6530903	328770	5444540	-1	68	-3	184	111	8.7	1394	40	2
6531041	329980	5447600	-1	41	-1	69	45	8.21	1170	24	5
6531042	330050	5447960	-1	31	-1	150	87	5.84	479	23	7
6630850	330970	5449210	-1	123	5	131	72	9	567	33	2
6630900	328520	5445470	-1	62	-3	163	80	7.49	289	25	4
6631022	337200	5458700	2	35	8	123	81	4.71	338	32	4
7930524	337605	5459390	-1	23	-3	155	40	5.31	209	10	1
7931002	329400	5446920	-1	8	-3	16	9	1.01	43	4	-1
7931003	329315	5446180	7	55	-3	151	116	10.1	1896	43	7
7931004	329185	5445950	-1	61	-3	146	122	11.2	1372	62	4
7931005	326515	5440160	-1	5	-3	11	4	0.43	55	6	1
7931008	327220	5441040	-1	78	3	208	179	8.17	1565	76	4
7931009	327630	5442240	-1	43	-3	126	78	5.95	458	35	4
7931013	327840	5443200	-1	42	-3	96	66	5.19	674	29	3
7931014	327900	5443190	-1	73	-3	194	123	13.6	1109	59	5
7931015	328050	5443900	-1	82	4	166	132	11.5	1129	48	8
7931016	327840	5443900	-1	84	5	144	87	9.46	1042	35	1
7931017	326770	5440360	-1	49	-3	153	94	8.91	1102	41	5
7931018	328115	5444720	-1	79	-3	213	138	11.5	2155	54	8
7931019	328070	5444700	4	75	-3	144	82	7.72	1042	45	3
7931025	326240	5439240	-1	7	-3	44	39	1.08	180	4	-1
7931026	325960	5439880	-1	14	-3	29	17	1.6	162	4	-1

B BULK SAMPLE NUMBERS, AMG CO-ORDINATES AND ANALYSES

Bulk	East (AMG)	North (AMG)	Au	Cu	Pb	Zn
6420050	337920	5458400	-0.05	3.22	-0.3	7.1
6420526	332180	5451320	0.9	7.88	-0.3	11.93
6421050	336770	5459640	0.7	1.55	-0.3	6.9
6421051	336340	5459990	0.2	1.83	-0.3	4.9
6521040	329980	5447600	3.99	1.1	0.5	4.2
6521041	330050	5447960	6.04	0.16	0.6	14.6
6620849	330970	5449210	-1	0.01	-1	0.02
6621022	337200	5458700	2.8	2.07	-0.3	12.9
7921002	329400	5446920	0.4	0.29	-0.3	-0.1
7921003	329315	5446180	1.4	6.12	-0.3	0.1
7921004	329185	5445950	1.69	4.74	-0.3	0.2
7921005	326515	5440160	0.2	0.39	-0.3	-0.1
7921008	327220	5441040	-0.05	3.86	-0.3	-0.1
7921009	327630	5442240	0.3	0.75	-0.3	-0.1
7921013	327840	5443200	-0.05	0.83	-0.3	-0.1
7921014	327900	5443190	2	4.08	-0.3	0.2
7921015	328050	5443900	2.79	4.28	-0.3	0.3
7921016	327840	5443900	1.1	4.96	-0.3	0.1
7921017	326770	5440360	1.5	3.01	-0.3	0.2
7921018	328115	5444720	-0.05	4.73	-0.3	-0.1
7921019	328070	5444700	0.1	2.02	-0.3	-0.1
7921025	326240	5439240	2.8	0.26	0.3	-0.01
7921026	325960	5439880	0.8	0.35	-0.3	0.2

C PANCON SAMPLE NUMBERS, AMG CO-ORDINATES AND ANALYSES

Pancon	East (AMG)	North (AMG)	Au
6410300	337200	5457830	-1
6410301	337540	5458140	-1
6410302	336560	5457500	-1
6410303	337900	5458270	-1
6410304	337920	5458400	-1
6410308	337900	5459250	-1
6410309	337960	5459400	-1
6410330	336250	5457050	-1
6410520	332180	5451320	-1
6411041	336770	5459640	-5
6411042	336340	5459990	-5
6510901	328810	5444960	-1
6510902	328800	5444850	-1
6510903	328770	5444540	-1
6610846	330970	5449210	7.07
6610900	328520	5445470	-1
6611021	337200	5458700	-1
7911002	329400	5446920	-1
7911003	329315	5446180	-1
7911004	329185	5445950	-1
7911005	326515	5440160	41
7911008	327220	5441040	-1
7911009	327630	5442240	-1
7911013	327840	5443200	-1
7911014	327900	5443190	-1
7911015	328050	5443900	-1
7911016	327840	5443900	-1
7911017	326770	5440360	-1
7911018	328115	5444720	-1
7911019	328070	5444700	-1
7911024	326240	5439240	-1
7911025	325960	5439880	-1

Pacific-Nevada Mining Pty Ltd

EL61/94

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APPENDIX 3

ROCK CHIP SAMPLE NUMBERS, AMG CO-ORDINATES AND ANALYSES

ROCK CHIP SAMPLE NUMBERS, AMG CO-ORDINATES AND ANALYSES

Rock	East (AMG)	North (AMG)	Au	Cu	Pb	Zn	Ag	As	Ba	Co	Fe	Ca	K	Mg	Mn	Na	P	Ti	Zr	Ni
6440507	337430	5459030	-1	36	-50	106	-5	-10	14	-5	6050	200	-500	190	50	100	-30	167	12	-10
6440508	337430	5459030	-1	-5	-50	8	-5	18	24	-5	23900	400	-500	1920	63	100	100	274	10	-10
6440509	337290	5458380	-1	10	-50	56	-5	18	6	-5	16700	350	-500	210	97	100	100	36	-5	17
6440510	337290	5458380	1	-5	-50	27	-5	-10	9	-5	9350	800	700	560	56	350	50	254	-5	-10
6440511	336400	5457450	-1	-5	-50	-5	-5	-10	11	-5	3100	150	-500	190	41	50	-30	197	-5	-10
6440514	337830	5458440	1	110	-50	149	-5	14	165	43	92300	26800	5400	31500	1120	37000	1450	17900	193	126
6440515	337790	5458460	-1	70	-50	162	-5	-10	300	52	107000	38300	7100	11400	1500	29700	1500	19100	203	-10
6440516	337620	5458400	1	296	-50	155	-5	18	543	64	86800	8750	11000	10500	569	30200	1600	20100	197	100
6440517	337605	5458410	1	165	-50	175	-5	18	2372	48	101000	14300	4800	26700	1010	25000	1600	20200	198	284
6440518	337570	5458420	1	121	-50	173	-5	-10	319	59	109000	24400	5300	32400	1370	25200	1300	17000	152	409
6440519	337490	5458520	-1	124	-50	204	-5	13	290	86	103000	650	18700	8530	1130	200	850	16700	117	176
6440520	337510	5458510	1	211	-50	188	-5	19	421	51	97900	450	24100	13600	1500	750	850	11900	195	318
6440521	337530	5458480	1	140	-50	127	-5	31	305	32	86000	2200	14600	21400	328	10800	1200	18900	172	192
6440522	337560	5458460	1	139	-50	142	-5	-10	692	50	106000	10100	5000	29600	1000	23400	1250	15800	192	240
6440523	337820	5458340	2	111	-50	81	-5	25	583	33	71400	12000	12400	14300	499	40600	1050	13900	175	122
6440526	337370	5458290	-1	146	-50	160	-5	24	497	14	73100	450	24100	11900	144	450	950	9070	157	152
6440562	337605	5459390	-1	8	-50	49	-5	20	22	8	24600	1150	-500	260	395	100	150	198	-5	43
6440563	337770	5459465	-1	14	50	1030	-5	381	34	17	428300	450	1000	1720	236	150	2200	752	89	459
6440564	337770	5459465	-1	-5	-50	471	-5	110	307	6	212500	350	-500	870	132	100	650	164	22	242
6441029	337200	5459440	1	40	-50	140	-5	22	129	51	101000	63900	16100	51400	1660	26300	4650	16200	292	144
6441033	337240	5459440	1	-5	-50	45	-5	15	15	-5	15500	1500	-500	360	85	150	-30	78	-5	-10
6441541	337420	5457440	2	584	-50	113	-5	-10	65	328	159000	1250	1300	6080	5460	2400	1100	16200	123	80
6441542	337430	5457480	-1	118	-50	44	-5	-10	400	35	137000	200	17000	6220	819	-	550	15400	152	33
6441543	337450	5457560	-1	194	-50	58	-5	-10	56	10	149000	100	1800	1870	303	150	750	7990	102	86
6540783	327340	5440760	12	251	-1	54	-1	-1	57	182	153000	150	-1	2090	3020	250	450	12400	82	121
6540784	327300	5440790	9	398	-1	91	-1	-1	117	113	154000	100	6200	3240	2390	200	650	12800	71	157
6540785	327250	5440780	5	368	-1	62	-1	-1	63	228	128000	300	1500	2620	3720	350	500	10100	58	139
6540786	327680	5441050	7	172	-1	112	-1	-1	111	55	108000	72700	5700	47000	1920	16700	450	5120	43	94
6540788	326580	5442110	-1	58	-1	31	-1	57	40	-1	16100	2150	1100	1320	174	500	500	263	12	12
6540789	326540	5442140	-1	25	-1	14	-1	-1	65	-1	14700	1450	3500	1440	86	500	150	1810	71	12
6541524	332330	5451290	-1	87	14	148	-0.5	-5	58	90	394000	7600	550	15300	1530	500	3750	6250	47	121
6541526	332440	5451290	1	47	15	196	-0.5	7	218	53	133000	14000	17600	16200	1370	12000	4050	11000	97	116
6541527	332440	5451290	-1	18	10	82	-0.5	14	28	49	348000	9900	400	9650	963	300	4850	4020	30	71
6541528	332480	5451280	2	14	-10	82	-0.5	25	45	53	334000	10900	300	10100	1320	300	5750	5260	35	74
6640570	332260	5451260	-1	100	12	142	-5	36	166	55	115000	650	18600	12700	2350	1500	550	8340	86	137
6640571	332290	5451160	-1	80	-50	114	-5	-10	177	22	97900	300	23700	10700	466	1350	300	7060	70	87
6640572	332270	5451030	1	65	-50	138	-5	7	400	67	180000	1600	34800	18500	1620	5600	150	7710	28	106
6640574	332230	5451320	4	77	-50	152	-5	29	206	68	204000	32200	3550	22700	2480	33200	950	12300	84	109
6640575	332230	5451320	6	39	-50	37	-5	22	25	7	65700	62100	500	760	650	-50	100	2580	31	47
6640735	328730	5445300	-1	-5	-50	-5	1.2	20	-5	-5	4650	210000	1150	127000	95	550	100	346	8	-10
6640736	328700	5445280	-1	-5	-50	-5	1	16	-5	-5	3500	202000	350	120200	232	350	50	132	-5	-10
6640737	328630	5445320	-1	20	19	122	-5	63	46	146	621000	1350	850	1250	3140	150	750	397	13	158
6640738	328629	5445320	-1	-5	-50	-5	0.6	8	-5	-5	4850	202000	-500	121900	109	150	-30	22	-5	-10
6640739	328645	5445320	1	-5	-50	20	-5	11	5	-5	4600	33200	100	18600	285	100	-30	51	-5	-10
7941000	327350	5440750	18	280	-50	58	0.7	10	61	143	163000	250	200	2530	2600	100	500	13200	95	114
7941001	327120	5441070	-1	75	15	239	-5	19	313	49	102000	2400	19600	12900	2320	1650	600	8280	114	149
7941002	326900	5440760	-1	14	16	24	-5	19	407	-5	27600	200	29900	7930	195	350	450	2470	137	22
7941003	326900	5440760	-1	7	16	57	-5	14	381	-5	26500	700	33100	10400	270	350	450	1970	119	26
7941004	326900	5440820	1	9	16	19	-5	21	418	-5	28500	600	31700	8000	151	5600	500	2710	150	14
7941005	327160	5442080	-1	13	-50	12	-5	19	242	-5	61600	100	25200	4350	109	600	100	888	105	-10
7941006	327930	5443430	-1	-5	-50	-5	-5	-10	43	-5	9550	193000	9400	50900	503	200	150	779	18	-10
7941008	327840	5443950	-1	-5	-50	-5	1.1	21	-5	-5	1500	198000	450	118000	85	300	100	61	-5	-10
7941009	327840	5443950	10	27	-50	121	-5	16	28	49	106000	67300	500	10700	1370	2150	950	8430	56	73
7941010	326790	5440350	1	-5	-50	24	-5	10	53	19	10300	4400	150	2110	1620	150	-30	112	-5	18
7941012	325960	5439240	5	19	-50	95	-5	16	19	36	60900	22800	-500	15300	1440	14300	400	8950	33	48

581018

Pacific-Nevada Mining Pty Ltd

EL61/94

Annual Report

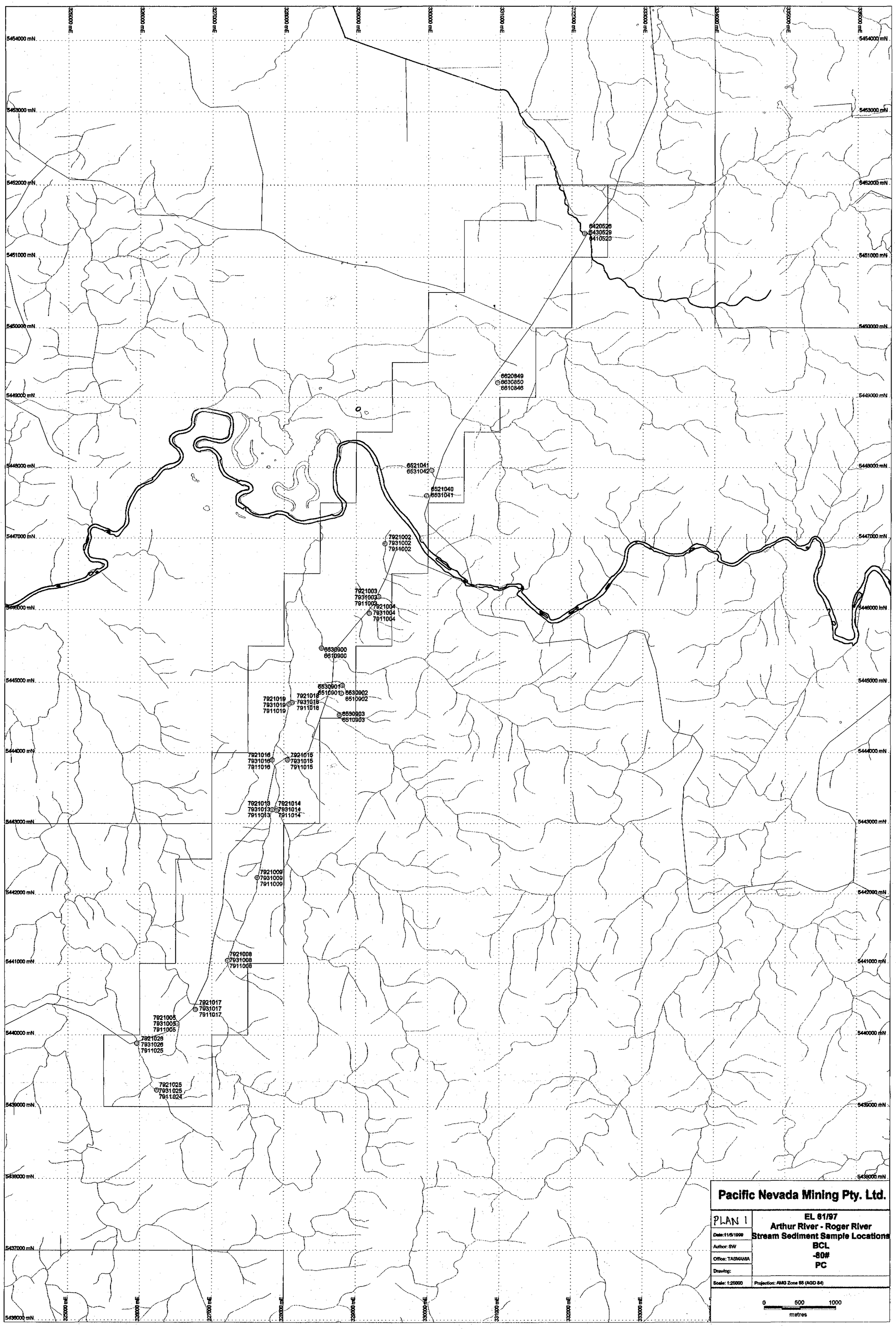
APPENDIX 4

SOIL SAMPLE NUMBERS, AMG CO-ORDINATES AND ANALYSES

SOIL SAMPLE NUMBERS, AMG CO-ORDINATES AND ANALYSES

Soil	East (AMG)	North (AMG)	Au	Cu	Pb	Zn	Ag	As	Ba	Co	Ni	Fe	Ca	K	Mg	Mn	Na	P	Ti	Zr	Sb	Bi	Cd
7950650	337500	5459450	-1	74	9	43	-1	4		6	54	108000				144					28	-10	-1
7950651	337525	5459450	-1	77	12	48	-1	14		6	58	120000				144					34	-10	-1
7950652	337550	5459450	-1	84	10	44	-1	12		5	61	116000				153					32	-10	-1
7950653	337575	5459450	-1	79	9	47	-1	11		7	54	142000				176					35	-10	-1
7950654	337600	5459450	-1	87	12	51	-1	12		6	58	140000				149					35	-10	-1
7950655	337625	5459450	-1	91	11	58	-1	8		7	64	136000				207					27	-10	-1
7950656	337650	5459450	-1	88	11	58	-1	9		7	62	138000				271					26	-10	-1
7950657	337675	5459450	-1	100	12	62	-1	13		26	65	136000				903					26	-10	-1
7950658	337700	5459450	-1	94	10	67	-1	11		18	58	134000				710					32	-10	-1
7950659	337725	5459450	-1	42	14	127	-1	182		13	68	235000				211					38	-10	-1
7950660	337750	5459450	-1	45	42	350	-1	83		13	76	100000				315					18	-10	-1
7950661	337775	5459450	-1	66	10	45	-1	9		6	47	110000				287					35	-10	-1
7950662	337800	5459450	-1	81	12	58	-1	15		8	55	135000				333					42	-10	-1
7950663	337825	5459450	-1	65	11	115	-1	112		8	64	178000				230					35	-10	-1
7950664	337850	5459450	-1	97	9	60	-1	17		6	57	129000				252					40	-10	-1
7950665	337875	5459450	-1	84	11	53	-1	5		8	59	120000				350					39	-10	1
7950666	337900	5459450	-1	29	5	19	-1	-1		-2	20	38500				132					15	-10	-1
7950687	332400	5452000	2	58	-10	34	1.1	7	81	6	35	38200	850	2550	2070	195	10600	100	19400	175			
7950688	332425	5452000	2	68	-10	31	-0.5	-5	85	7	31	23300	1050	2300	2160	187	9700	100	17600	164			
7950689	332450	5452000	3	53	-10	25	-0.5	7	82	6	23	15300	950	2150	1750	180	9250	50	17000	161			
7950690	332475	5452000	3	199	7120	110	1.8	19	90	65	72	134000	4000	2750	6150	1060	18000	250	15000	117			
7950704	332400	5451900	1	163	-10	101	1	27	49	22	53	227000	1000	3300	1730	294	4100	450	8510	96			
7950705	332425	5451900	1	79	-10	29	-0.5	8	67	9	24	79300	850	2550	1580	239	9100	100	18300	170			
7950706	332450	5451900	-1	95	-10	34	-0.5	-5	72	10	28	83100	450	4400	2000	108	1800	50	9120	93			
7950707	332475	5451900	4	188	-10	126	1.3	16	56	34	85	155000	750	3950	7970	844	19400	350	14000	121			
7950708	332500	5451900	2	299	-10	117	1	14	85	111	75	138000	6000	4000	9970	1690	17400	300	12100	123			
7950721	332300	5451800	4	221	-10	92	1.2	-5	58	193	81	160000	300	3150	3250	2510	2950	350	14000	145			
7950722	332325	5451800	4	147	-10	61	2.2	27	73	11	60	116000	600	4350	3110	139	2100	200	17100	172			
7950723	332350	5451800	3	82	-10	45	1.7	17	65	10	43	74700	700	3750	2550	163	2900	150	20600	201			
7950724	332375	5451800	2	95	-10	49	1.6	14	71	7	46	75700	900	4150	2790	124	3550	150	19400	188			
7950725	332400	5451800	2	133	-10	93	1	9	85	20	71	69700	5500	3900	4010	198	7500	300	13000	127			
7950726	332425	5451800	1	39	-10	21	1.3	16	53	-5	19	23900	400	4050	1950	79	1000	100	15000	134			
7950727	332450	5451800	1	98	14	57	0.7	17	84	11	55	72600	450	10100	5340	117	3000	150	12100	142			
7950728	332475	5451800	2	154	-10	38	0.7	5	106	6	38	82400	100	16500	4150	155	1350	600	8690	180			
7950739	332200	5451700	1	166	-10	63	1.8	-5	59	49	66	118000	300	2600	2720	999	1300	200	18600	197			
7950740	332225	5451700	1	235	-10	74	1.5	21	59	124	71	151000	200	2400	2890	3190	1650	450	14300	142			
7950741	332250	5451700	-1	91	-10	126	0.9	10	104	36	90	91500	33600	3300	16900	728	14800	700	8380	78			
7950742	332275	5451700	1	213	-10	94	2.2	21	57	19	88	138000	400	2900	3590	524	2750	350	14300	154			
7950743	332300	5451700	2	200	-10	62	1.1	-5	44	14	69	125000	150	2650	2750	281	950	300	15800	160			
7950744	332325	5451700	-1	115	-10	58	1.7	13	63	16	53	104000	3300	3400	2730	152	2950	200	13700	146			
7950745	332350	5451700	-1	133	-10	49	1.2	19	77	10	49	69600	450	6050	2840	139	2550	200	16200	154			
7950746	332375	5451700	-1	178	-10	49	0.9	-5	92	23	67	148000	1900	10300	4310	1440	1000	350	11900	137			
7950747	332400	5451700	-1	246	-10	51	3.1	24	43	6	67	158000	150	3050	2040	442	250	600	16900	161			
7950748	332425	5451700	-1	176	16	41	1.2	14	66	5	44	153000	150	7050	2560	226	600	300	16900	190			
7950749	332450	5451700	-1	82	12	53	1.1	9	83	12	71	108000	100	16300	9340	155	1100	150	10100	147			
7950750	332475	5451700	-1	95	-10	72	2	16	82	13	73	106000	150	14100	8450	242	1400	350	9760	144			
7950756	332200	5451600	-1	203	-10	68	3.1	-5	44	22	76	144000	200	2500	3150	423	1050	300	15200	157			
7950757	332225	5451600	-1	230	-10	65	-0.5	6	45	58	73	156000	200	2450	3090	1100	1200	350	13500	136			
7950758	332250	5451600	1	240	-10	88	1.1	7	55	55	85	132000	450	3150	4030	817	2700	350	13700	130			
7950759	332275	5451600	-1	180	-10	76	1.8	-5	63	105	67	129000	300	2850	2740	3060	2200	350	14800	155			
7950760	332300	5451600	1	211	11	75	2.1	-5	58	23	74	136000	200	4150	3460	330	1350	250	16000	169			
7950761	332325	5451600	2	132	-10	124	1.2	15	105	38	91	72100	33100	3600	18300	760	17100	550	10300	94			
7950762	332350	5451600	-1	98	19	115	-0.5	-5	150	22	122	103000	500	18200	12400	312	1600	150	9950	129			
7950763	332375	5451600	-1	110	14	111	-0.5	12	255	10	71	86000	200	19500	7520	222	1250	500	9260	181			
7950764	332400	5451600	1	161	17	98	-0.5	20	119	12	56	128000	300	12800	5880	398	950	500	16700	180			
7950765	332425	5451600	-1	245	-10	53	0.6	9	84	9	39	151000	250	7550	2960	409	850	350	18200	151			
7950766	332450	5451600	-1	195	-10	56	0.6	-5	109	13	45	148000	200	10300	3450	288	1250	350	14900	103			
7950767	332475	5451600	-1	72	11	102	0.8	-5	163	23	103	107000	2750	21700	10300	402	5750	700	8150	110			
7950768	332500	5451600	-1	377	-10	103	-0.5	7	161	17	59	118000	400	17400	8220	449	1850	500	12200	138			
7950774	332200	5451500	2	218	-10	65	-0.5	-5	48	18	71	147000	200	2750	3040	469	1050	400	13500	134			
7950775	332225	5451500	-1	222	-10	62	-0.5	-5	39	77	63	155000	300	2050	2910	1220	1100	350	14400	140			
7950776	332250	5451500	-1	157	-10	121	-0.5	-5	105	118	96	133000	7400	3400	6950	4400	6900	450	11100	106			
7950777	332275	5451500	-1	129	-10	140	0.7	-5	160	41	98	118000	13900	3550	8740	665	13500	400	11600	110			
7950778	332300	5451500	-1	79	15	55	0.5	10	67	50	34	85200	300	4650	3540	1070	1350	150	18000	162			
7950779	332325	5451500	-1	81	-10	90	-0.5	8	67	22	80	102000	350	12000	10300	290	1500	500	8050	107			
7950780	332350	5451500	-1	72	13	116	-0.5	-5	86	25	100	104000	200	12200	12900	429	1950	400	8430	119			
7950781	332375	5451500	-1	65	14	85	0.7	-5	97	13	65	87100	350	13200	7350	265	2050	300	12200	131			
7950782	332400	5451500	-1	70	15	59	-0.5	-5	105	9	61	90800	200	13000	6810	190	1150	150	11200	122			
7950783	332425	5451500	-1	84	12	64	-0.5	-5	162	7	44	95300	150	17000	5790	143	1350	200	10600	147			
7950784	332450	5451500	-1	81	15	70	1.2	-5	168	6	51	101000	300	19700	6080	162	1200	250	11600	133			
7950785	332475	5451500	-1	541	15	92	1.8	5	110	32	66	219000	900	5650	7980	1480	1050	900	21900	159			
7950791	332100	5451400	-1	180	-10	61	-0.5	22	51	39	59	139000	550	1900	2730	522	1300	300	16700	154			
7950792	332125	5451400	-1	200	-10	77	1.3	-5	74	47	76	158000	550	4700	3900	1310	2300	500	13800	139			
7950793	332150	5451400	-1	182	10	60	-0.5	13	40	58	59	135000	250	1750	2210	1530	550	300	17200	161			
7950794	332175	5451400	-1	175	-10	55	-0.5	6	32	14	58	153000	200	1400	2100	271	550	250	16200	153			
7950795	332200	5451400	-1	137	-10	106	-0.5	-5	83	88	79	118000	11600	2750	9580	1320	7950	450	13800	131			
7950796	332225	5451400	-1	157	-10	92	-0.5	6	82	46	78	124000	2650	2850	4350	899	6200	350	13500	129			

Soil	East (AMG)	North (AMG)	Au	Cu	Pb	Zn	Ag	As	Ba	Co	Ni	Fe	Ca	K	Mg	Mn	Na	P	Ti	Zr	Sb	Bi	Cd
7950797	332250	5451400	-1	201	-10	115	0.8	-5	76	54	84	160000	850	2500	3040	646	4700	300	12100	125			
7950798	332275	5451400	-1	72	14	73	1.4	-5	107	11	76	83900	200	19300	6790	162	3150	550	9140	125			
7950799	332300	5451400	-1	73	13	66	0.7	-5	63	10	56	82800	300	7950	5610	195	1300	200	12000	132			
7950800	332325	5451400	-1	73	14	68	-0.5	8	105	13	78	103000	150	15700	8740	184	1500	150	8860	125			
7950801	332350	5451400	-1	57	13	137	-0.5	12	80	16	94	134000	550	11200	8930	446	2000	800	7730	96			
7950802	332375	5451400	-1	71	18	73	1	14	78	43	39	271000	650	5150	3950	1430	650	750	9580	107			
7950803	332400	5451400	-1	80	17	105	-0.5	6	471	12	69	114000	900	19700	7620	249	1400	1950	10800	151			
7950804	332425	5451400	-1	120	18	72	-0.5	-5	99	17	42	193000	750	7200	4950	568	700	800	14000	167			
7950805	332450	5451400	-1	129	14	127	-0.5	-5	128	17	72	101000	200	12400	7980	388	750	550	14800	162			
7950806	332475	5451400	-1	83	15	80	-0.5	7	171	15	40	124000	250	10800	5370	815	1100	400	17200	218			
7950807	332500	5451400	-1	113	11	113	-0.5	10	59	80	93	171000	1100	1850	10900	3370	7700	650	18800	157			
7950813	332100	5451300	1	183	20	74	-0.5	-5	55	21	76	165000	250	2350	2120	633	400	300	18500	159			
7950814	332125	5451300	-1	143	20	73	-0.5	-5	42	85	60	141000	750	1550	1710	2760	700	300	19800	171			
7950815	332150	5451300	-1	191	20	110	0.7	-5	61	74	93	146000	1900	2600	5210	1490	1400	400	16000	138			
7950816	332175	5451300	-1	150	17	108	-0.5	-5	59	35	105	144000	8700	1800	5060	767	3300	400	13800	115			
7950817	332200	5451300	1	166	15	170	-0.5	-5	162	43	127	126000	6300	3100	7250	634	10200	450	13400	106			
7950818	332225	5451300	-1	57	23	117	-0.5	-5	110	22	83	136000	600	20400	7380	239	2850	950	9400	136			
7950819	332250	5451300	-1	76	22	46	-0.5	-5	76	8	45	114000	250	10200	4190	112	1850	150	12700	163			
7950820	332275	5451300	-1	75	26	63	-0.5	-5	91	14	73	130000	100	11200	7210	165	1200	200	10700	142			
7950821	332300	5451300	-1	71	26	45	-0.5	-5	112	8	43	124000	150	12500	4240	117	1100	250	12000	164			
7950822	332325	5451300	-1	98	23	71	-0.5	-5	66	15	82	115000	150	8900	7130	243	1900	600	10100	139			
7950823	332350	5451300	-1	87	25	83	-0.5	-5	101	18	109	116000	200	15300	9270	242	1350	400	9230	139			
7950824	332375	5451300	-1	67	21	112	-0.5	-5	191	20	64	99800	700	17100	6790	707	1000	550	11100	219			
7950825	332400	5451300	-1	205	23	128	-0.5	10	69	18	56	139000	300	4950	5820	419	1500	800	15000	190			
7950826	332425	5451300	-1	281	22	90	-0.5	-5	77	18	59	159000	400	5700	6550	437	400	800	14300	192			
7950827	332450	5451300	-1	27	12	133	-0.5	-5	52	80	69	119000	550	1100	17300	4070	21500	700	16300	141			
7950828	332475	5451300	2	240	14	113	-0.5	-5	66	83	42	146000	1300	1700	8370	1370	14200	350	21000	157			
7950834	332100	5451200	8	70	17	85	-0.5	-5	77	17	57	84100	14200	5150	7420	324	8200	350	10900	103			
7950835	332125	5451200	1	54	29	48	-0.5	-5	96	-5	28	97900	500	11000	3640	55	2450	300	12900	144			
7950836	332150	5451200	-1	61	27	44	-0.5	-5	98	-5	30	113000	250	11500	3560	46	2400	350	12400	146			
7950837	332175	5451200	-1	71	21	117	-0.5	-5	115	22	96	102000	250	18100	6750	173	3050	1150	8900	138			
7950838	332200	5451200	1	66	23	95	-0.5	-5	76	14	78	96300	100	9300	6270	154	2500	200	10200	144			
7950839	332225	5451200	-1	104	23	88	-0.5	-5	99	20	101	119000	200	10700	8380	260	1400	450	10300	139			
7950840	332250	5451200	-1	93	20	49	-0.5	-5	50	11	51	115000	450	4600	3680	185	800	200	17000	162			
7950841	332275	5451200	-1	175	23	116	0.6	-5	137	54	86	184000	7150	2400	6850	936	4150	450	14800	135			
7950842	332300	5451200	4	138	15	138	-0.5	-5	126	53	94	119000	11800	2300	7700	1020	14000	450	13600	109			
7950843	332325	5451200	2	78	23	127	-0.5	-5	96	27	63	129000	2350	9700	13500	814	1400	1700	11300	214			
7950844	332350	5451200	1	130	30	83	-0.5	-5	144	13	71	97900	400	14300	8040	332	1250	550	10400	205			
7950845	332375	5451200	-1	159	22	119	-0.5	-5	128	17	64	101000	150	13800	6680	295	800	350	17900	185			
7950846	332400	5451200	-1	174	22	80	-0.5	-5	46	30	57	271000	1000	2050	5290	714	300	1050	14200	109			
7950847	332425	5451200	-1	178	21	60	-0.5	-5	57	19	31	186000	200	4800	2880	928	400	450	18700	167			
7950848	332450	5451200	1	133	22	66	-0.5	-5	40	63	32	195000	550	1100	3280	2540	1500	450	23600	183			
7950849	332475	5451200	2	203	20	85	-0.5	-5	57	81	36	183000	1000	1500	3680	3840	13700	300	22500	184			
7950856	332100	5451100	2	56	25	63	-0.5	-5	85	-5	29	93400	1400	8800	4520	114	1650	350	12300	132			
7950857	332125	5451100	-1	53	22	46	-0.5	-5	93	-5	29	85000	300	11300	3590	58	2300	250	13200	147			
7950858	332150	5451100	-1	65	25	91	-0.5	-5	110	16	69	101000	250	14700	6970	131	2800	200	11400	146			
7950859	332175	5451100	-1	68	21	87	-0.5	-5	95	13	57	95600	350	10800	5400	186	2400	250	14000	152			
7950860	332200	5451100	-1	79	25	67	-0.5	-5	75	13	58	93300	200	8300	6320	204	1350	150	14200	155			
7950861	332225	5451100	-1	92	744	90	-0.5	-5	274	20	97	106000	100	12500	9290	212	1200	250	10100	146			
7950862	332250	5451100	-1	75	24	102	-0.5	-5	94	15	88	116000	150	12300	7080	202	2500	200	9710	134			
7950863	332275	5451100	1	95	28	68	-0.5	-5	75	14	82	130000	100	9050	6540	182	1600	350	10900	143			
7950864	332300	5451100	1	216	15	112	-0.5	-5	55	43	90	146000	5150	1950	6100	598	8050	400	18900	137			
7950865	332325	5451100	1	156	10	135	-0.5	-5	115	48	95	122000	8200	2600	9250	1140	14500	500	13000	104			
7950866	332350	5451100	1	82	14	125	-0.5	-5	106	29	69	131000	500	9150	8040	707	1500	450	17700	170			
7950867	332375	5451100	-1	154	15	92	-0.5	-5	70	34	52	126000	350	6100	6530	575	3700	300	17600	152			
7950868	332400	5451100	-1	151	12	85	-0.5	-5	40	42	33	151000	1350	900	6690	890	21600	350	17600	123			
7950869	332425	5451100	-1	206	-10	103	-0.5	-5	71	37	49	137000	2450	2050	10800	843	28400	450	15900	128			
7950870	332450	5451100	-1	213	12	116	-0.5	-5	42	24	48	137000	1050	1000	10600	385	8900	300	16100	142			
7950871	332475	5451100	-1	216	12	93	-0.5	-5	57	28	43	153000	1650	1700	8530	805	21200	400	15700	135			
7950872	332500	5451100	-1	272	13	76	-0.5	-5	83	36	37	182000	650	3100	3660	1520	3050	300	23800	195			



Pacific Nevada Mining Pty. Ltd.

PLAN 1	**EL 61/97** **Arthur River - Roger River** **Stream Sediment Sample Locations** **BCL** **-80#** **PC**
Date:11/5/1999	
Author: SW	
Office: TASMANIA	
Drawing:	
Scale: 1:25000	Projection: AMG Zone 55 (AGD 84)

0 500 1000
metres

5 cm

581022

99-4323

ANNUAL REPORT - EL 61/94
ARTHUR RIVER-ROGER RIVER
PACIFIC NEVADA-S WESTBROOK

336000 mE
337000 mE
338000 mE
339000 mE
5461000 mN
5460000 mN
5459000 mN
5458000 mN
5457000 mN
6421051
6431052
6411042
6421050
6431051
6411041
7930524
6430309
6410309
6430308
6410308
EL61/94
6621022
6631022
6611021
6420850
6430304
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6430303
6410303
6430301
6410301
6430300
6410300
6430302
6410302
6430330
6410330

Pacific Nevada Mining Pty. Ltd.

PLAN 2.	**EL 61/94** **Arthur River - Roger River** **Stream Sediment Sample Locations** **BCL** **-80#** **PC**
Date:11/5/1999	
Author: SW	
Office: TASMANIA	
Drawing:	
Scale: 1:20000	Projection: AMG Zone 55 (AGD 84)

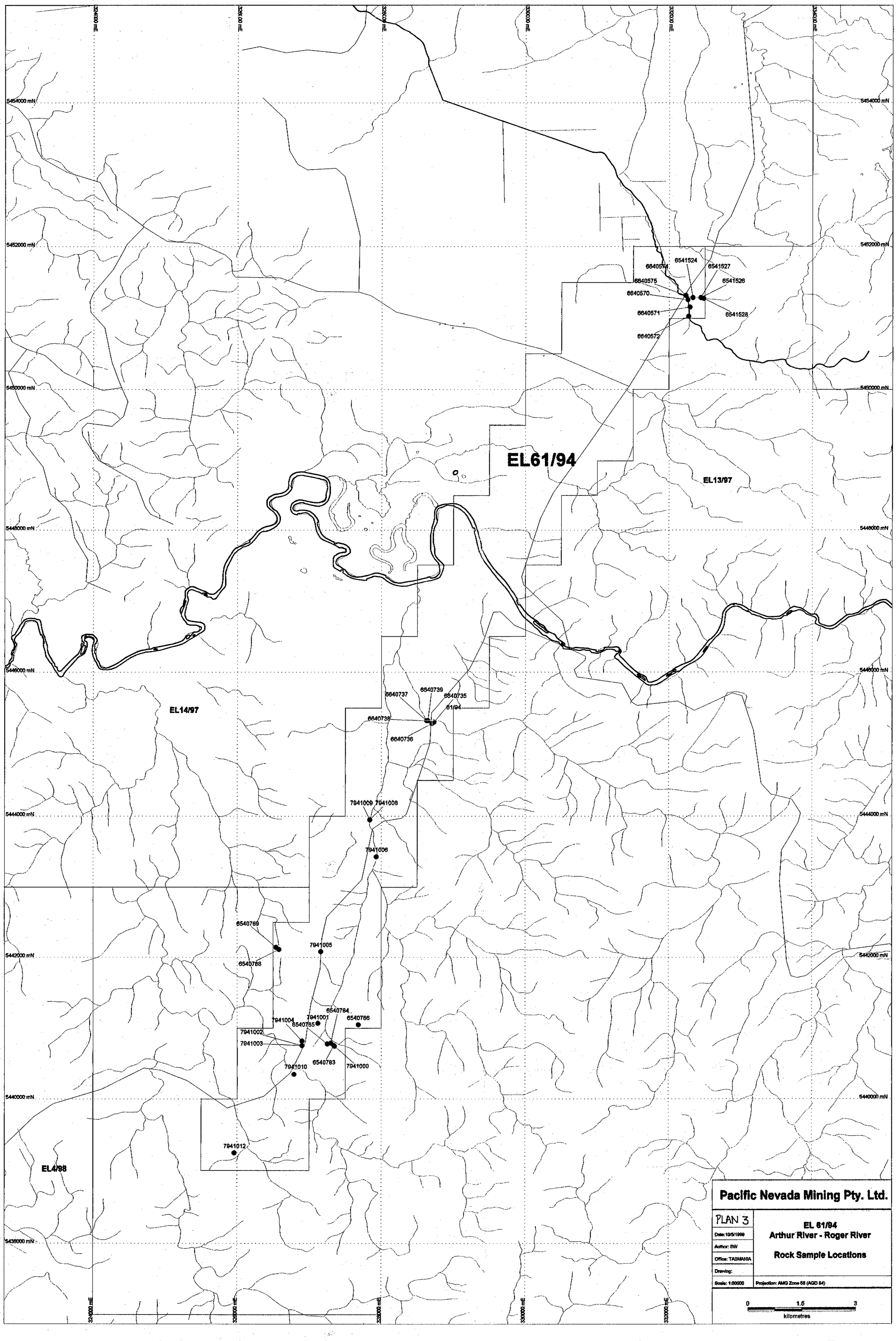
0 200 400 800
metres

5 cm

99-4323

ANNUAL REPORT - EL 61/94
ARTHUR RIVER-ROGER RIVER
PACIFIC NEVADA-S WESTBROOK

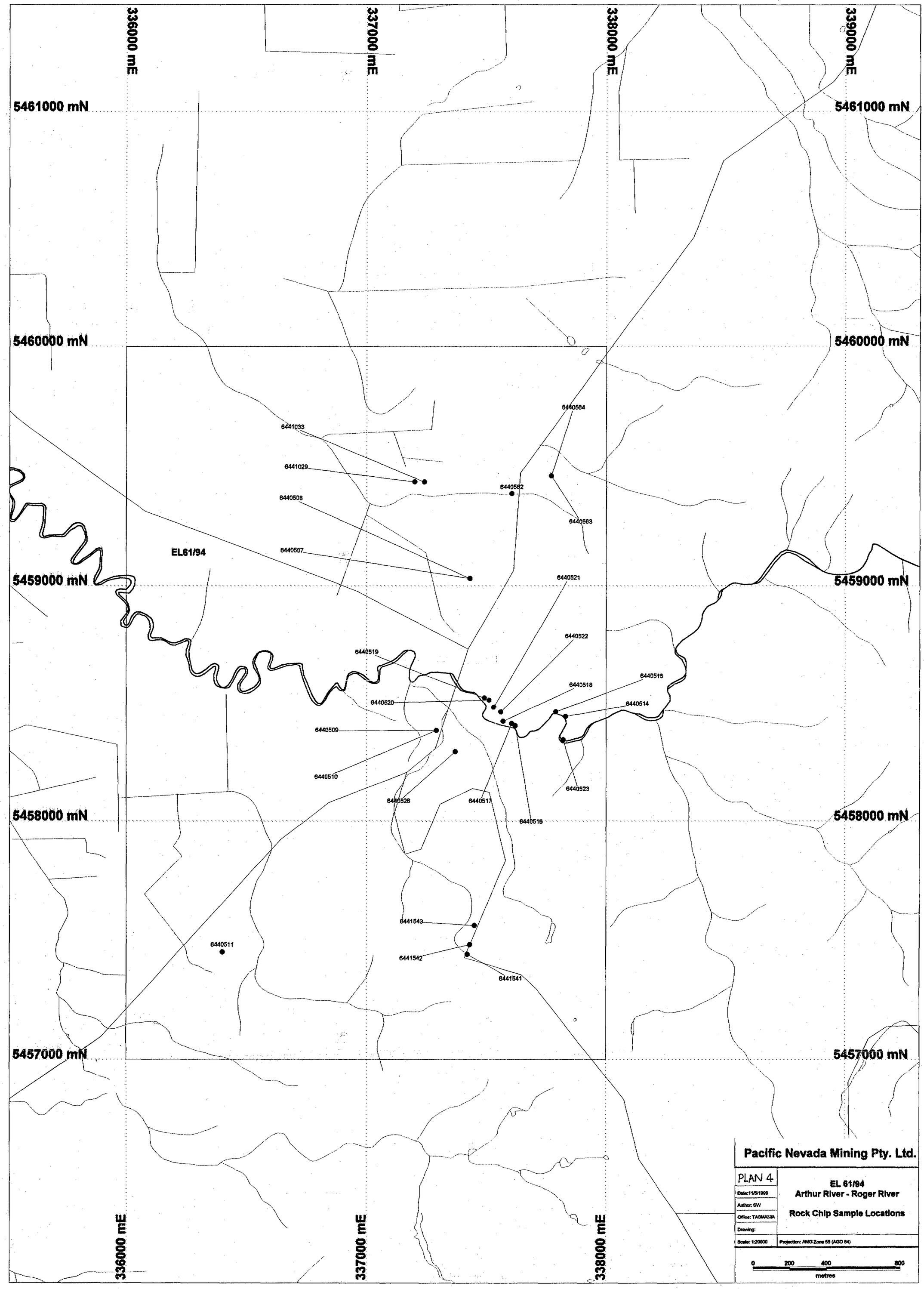
581021



99-4323

ANNUAL REPORT - EL 61/94
ARTHUR RIVER-ROGER RIVER
PACIFIC NEVADA-S WESTBROOK

581023



581024

99-4323

ANNUAL REPORT - EL 61/94
ARTHUR RIVER-ROGER RIVER
PACIFIC NEVADA-S WESTBROOK

336000 mE
337000 mE
338000 mE
339000 mE
5461000 mN
5460000 mN
5459000 mN
5458000 mN
5457000 mN
EL61/94
7950650
7950651
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7950666

Pacific Nevada Mining Pty. Ltd.

PLAN 5	**EL 61/94** **Arthur River - Roger River**
Date: 11/5/1999	
Author: SW	**Soil Sample Locations**
Office: TASMANIA	
Drawing:	
Scale: 1:20000	Projection: AMG Zone 55 (AGD 84)

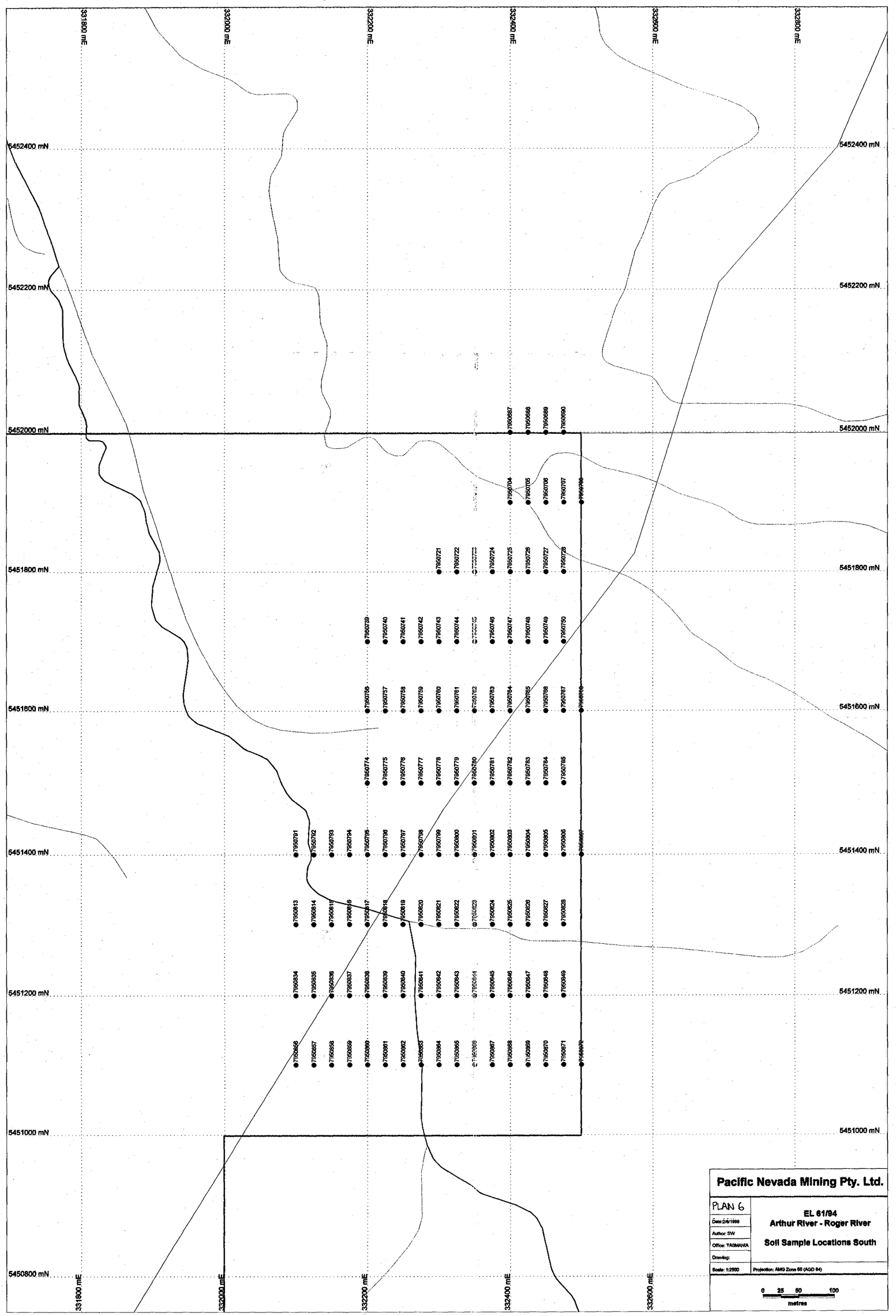
0 200 400 800
metres

5 cm

581025

99-4323

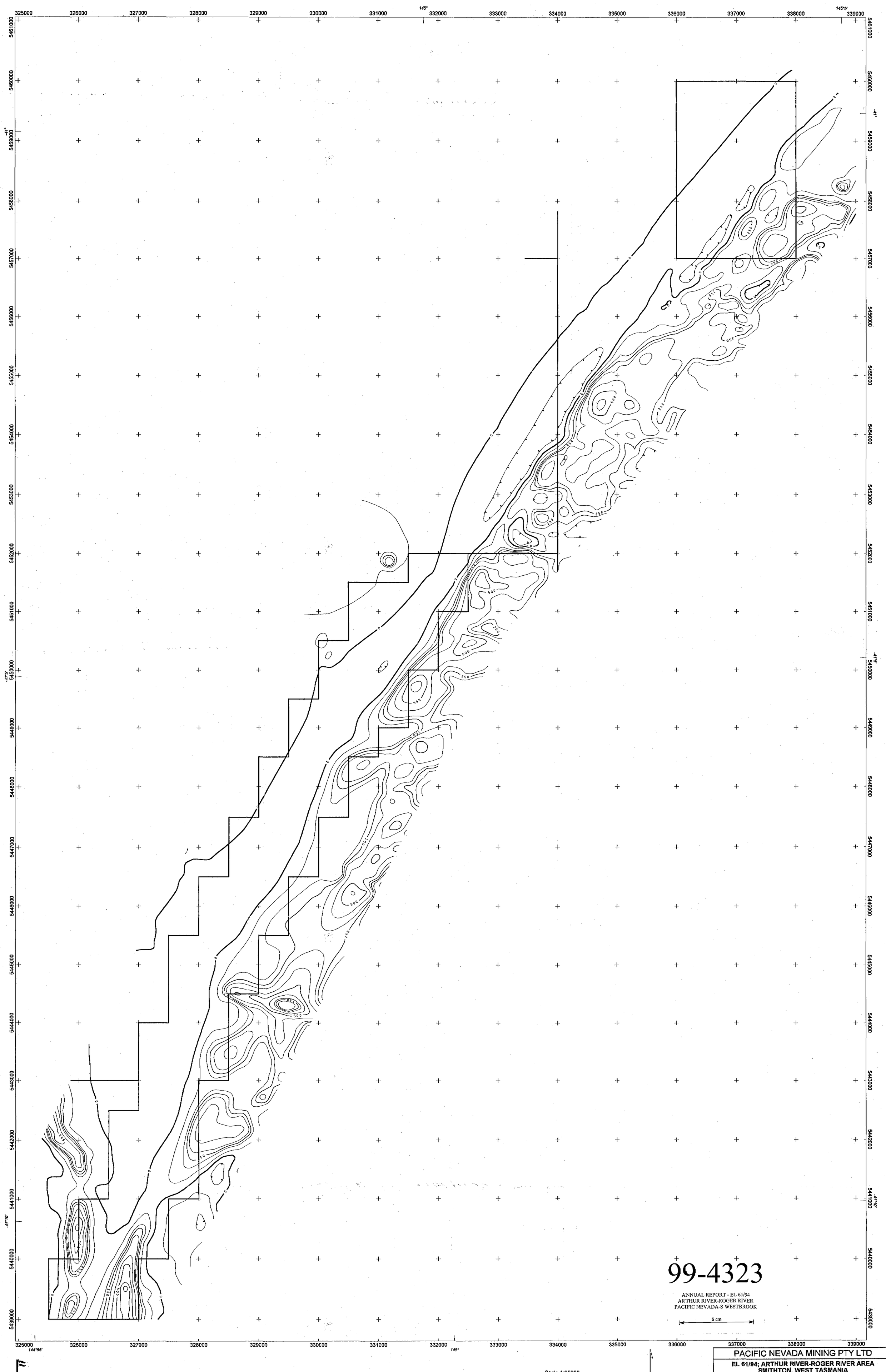
ANNUAL REPORT - EL 61/94
ARTHUR RIVER-ROGER RIVER
PACIFIC NEVADA-S WESTBROOK



581026

99-4323

ANNUAL REPORT - EL 61/94
ARTHUR RIVER-ROGER RIVER
PACIFIC NEVADA-S WESTBROOK



99-4323

ANNUAL REPORT - EL 61/94
ARTHUR RIVER-ROGER RIVER
PACIFIC NEVADA-S WESTBROOK

5 cm

Scale 1:25000

500 0 500 1000 1500
metres
AGD84 / AMG zone 55

Flagstaff
Geoconsultants

PACIFIC NEVADA MINING PTY LTD

EL 61/94; ARTHUR RIVER-ROGER RIVER AREA
SMITHTON, WEST TASMANIA

AIRBORNE MAGNETIC SURVEY; TOTAL MAGNETIC INTENSITY
CONTOUR INTERVAL=100,250,1000nT
SURVEY BY UTS,5/98; LINE SPACING=150m;DIR:123-303deg
UTM ZONE 55; AGD84

FLAGSTAFF GEOCONSULTANTS (NH); 5/99

PLAN 7

581027

99-4323

ANNUAL REPORT - EL 61/94
ARTHUR RIVER-ROGER RIVER
PACIFIC NEVADA-S WESTBROOK

5 cm

Scale 1:25000

500 0 500 1000 1500

metres

AGD84 / AMG zone 55

Flagstaff Geo-consultants

PACIFIC NEVADA MINING PTY LTD

EL 61/94; ARTHUR RIVER-ROGER RIVER AREA
SMITHTON, WEST TASMANIA

AIRBORNE ELECTRO-MAGNETIC SURVEY;
APPARENT CONDUCTIVITY AT 3025Hz; CI=2.5,10,25mS/m
SURVEY BY UTS,5/98; LINE SPACING=150m;DIR:123-303deg
UTM ZONE 55; AGD84

FLAGSTAFF GEOCONSULTANTS (NH); 5/99

PLAN 8

581028

99-4323(A)
vol 2 of 2

581029

APPENDIX 5

EXPLORATION REPORT

PRELIMINARY TECHNICAL SUMMARY

Exploration Licences
EL12/97, EL14/97 & EL61/94

Prepared for:
PACIFIC-NEVADA MINING PTY LTD

Compiled by:

Robert J. Gunn
Project Geologist
Ashton Mining Limited

11th February 99

1.0 INTRODUCTION

Ashton Mining Limited had entered into an agreement with Pacific-Nevada, providing the company with the opportunity to explore for diamonds on their tenements in northwest Tasmania. This report details exploration activities carried out by Ashton Mining Limited over exploration licences EL12/97, EL14/97 & EL61/94 situated between Smithton and Sandy Cape, during the period 7th October 1998 to 28th January 1999.

2.0 DIAMOND EXPLORATION

Seventeen geophysical anomalies were tested in the area of interest. Eight of these were explainable by cultural features and a further three by outcropping mafic intrusives. The remaining six anomalies were not encumbered with cultural disturbances and no rock outcrops were found. Five of these were surveyed with ground magnetics. Following processing and interpretation of this data, three of the anomalies were selected for drill testing. Sediment samples were taken from drains running directly through the other three.

2.1 Sediment Sampling

Sample 98119-001 was taken in a rivulet which enters into the Arthur River. This creek drains a hilly forestry area immediately south of the river where anomalies GAERR15, 16 & 17 are located. Although these anomalies are caused by mafic intrusives the sample was taken to help

identify the presence of possible kimberlitic source rocks in the area.

Anomalies GAERR05 & 06 are adjacent to each other in a cattle paddock cut by a drain. Sample 98119-002 was taken in the drain just downstream from the centre of the anomalies. Priority 1 anomaly GAERR02 is located at the corner point of four cattle paddocks. Sample 98119-003 was taken in a drain cutting through the middle of the anomaly. The laboratory results for these samples are attached.

2.1.1 Sampling Method

Samples collected were transport directly to Ashton's laboratory in Belmont by company vehicles. Approximately 50 kilograms of –1.2mm material is collected, screened on site, placed in calico bags, then sealed in plastic. Under normal reconnaissance conditions, sites within drainages are carefully selected which are more likely to trap and enhance heavy mineral accumulations. Sample 98119-001 was sited in such a position however the other two targeted specific geophysical anomalies and were therefore taken with location in mind rather than quality of trap site.

2.1.2 Laboratory Procedures

All samples were processed by the Ashton Mining Limited laboratory in Belmont, Western Australia where they were concentrated established diamond processing techniques to target heavy minerals. These include gravity table, heavy liquid separation, magnetic and electrostatic techniques. The final concentrate is then

examined by trained observers and mineralogists using binocular and petrological microscopes.

2.2 Geophysics

All surveys were conducted using standard Geometrics G856 magnetometers. All grids were oriented east-west, with lines 100 metres apart and readings every 10 metres. Data was downloaded to computer and processed using Geosoft software with diurnal corrections applied. Copies of the gridded data for all surveys are attached.

Six survey lines were placed in a continuous grid across anomalies GAERR05 & 06, shown to be separate entities on the processed aeromagnetic data. Analysis showed a small feature, possibly part of a trend, and dipping slightly to the east. Sediment sample 98119-002 was taken on site in lieu of drilling.

A 6-line grid was conducted in the cattle paddock over anomaly GAERR10. This strong feature shows a well defined dipole anomaly typical of kimberlite and this body was subsequently drilled. A composite sample 98119-004 was taken for the drill section and processed using similar techniques as that outlined for sediment samples.

An extensive 8-line grid was surveyed over the two anomalies GAERR11 & 12 located close to each other. Composite samples 98119-005 & 006 were taken from the respective drill columns, located in the centre of each anomaly.

2.3 Drilling

Diamond Drilling Tasmania was contracted for the drilling program. Three HQ diamond core holes were drilled at the centre of anomalies GAER10, 11 & 12. Matthew Semmens and Carl Collins encompassed the drilling team using a UDR250 rig fitted with a 650 mast mounted on a bombadier. This set up was favoured due to the track design and manoeuvrability of this rig.

2.3.1 Drilling Results

Problems were encountered in all three holes drilled. In each case yellow-brown sticky clay was intersected at surface which made core recovery and extraction from the inner sleeve difficult. With increasing depth, clay content decreased and less weathered sections with remnant textures were visible. All three holes intersected mafic volcanics. It is likely that these are tholeiitic or alkali basalts or their equivalents.

3.0 RESULTS

The summary of exploration conducted over the seventeen anomalies follows. Of the seventeen, only six could not be explained following visual inspection. Following geophysical work, three anomalies were still of sufficient interest to warrant drilling. These intersected mafic volcanics in each instance. The six samples, three drainage and three composite drill material, did not produce any diamonds.

However a large quantity of chrome spinels were recovered from each and laboratory results are attached. The grains found in the drainage samples are considered to be of mafic/ultramafic

origin and are not of interest. The chrome spinels found in the drill samples are of more interest. Although they are most likely to be alkali-basaltic in nature, some retain unusual morphological features. As such 50 grains have been sent for microprobe analysis. Results are pending.

Anomaly	East	North	Size	Priority	Comments
GAERR01	340480	5470950	200x100	2	Building
GAERR02	337650	5470000	200x200	1	Drainage sample taken (98119-003)
GAERR03	338530	5469980	200x100	3	Building
GAERR04	339750	5469260	200x100	4	Building
GAERR05	337480	5467950	140x120	3	Ground magnetics conducted. Drainage sample taken (98119-002)
GAERR06	337490	5467760	100x100	1	Ground magnetics conducted. Drainage sample taken (98119-002)
GAERR07	337650	5463800	100x100	4	Building
GAERR08	339470	5463680	100x80	4	Building
GAERR09	331470	5453620	150x100	2	Building
GAERR10	331200	5451850	250x200	1	Ground magnetics conducted. Drilled to 23m. Mafic Intrusive intersected. Composite sample 98119-004 taken.
GAERR11	330180	5450240	300x100	2	Ground magnetics conducted. Drilled to 25m. Mafic Intrusive intersected. Composite sample 98119-005 taken.
GAERR12	330050	5450450	200x100	3	Ground magnetics conducted. Drilled to 21.6m. Mafic Intrusive intersected. Composite sample 98119-006 taken.
GAERR13	329060	5449280	150x100	2	Building
GAERR14	328260	5448400	150x80	2	Building
GAERR15	327680	5446980	300x200	3	Outcropping highly weathered fine grained mafic rock.
GAERR16	326570	5447200	100x100	3	Outcropping fine grained black rock. Possible basaltic tuff with larger manganese phenocrysts in a massive matrix.
GAERR17	326820	5445540	150x80	3	Outcropping highly weathered medium grained granular mafic rock. Likely dolerrtic dyke.

4.0 CONCLUSIONS AND RECOMMENDATIONS

No kimberlite was discovered as a result of exploration activities and it is likely that most non-cultural geophysical anomalies are caused by mafic intrusives. However, microprobe results are still outstanding for the fifty chrome spinels sent for analysis. Therefore recommendations will not be made at this time.

Pacific Nevada Tenements
Samples

Sample	East	North	Type	Coll_Date	Comments	CHR
98119-001	328498	5446884	Gravel	03/11/98	A selection of Chromite - Cr Spinel picked. Very uniform bunch of Chr Spinel euhedral to anhedral, some distorted. - *alkali basaltish(?). Reported as single grain however low* priority only.	1
98119-002	337650	5467900	Gravel	11/11/98	CHROMITES-2 1 Chr Spinel distorted,euhedral,resorbed with finely frosted surface.Other distorted,granular *throughout,anhedral. Low priority no convincing resorption* and not likely of deep mantle origin.	2
98119-003	337590	5469990	Gravel	11/11/98	CHROMITE-anhedral,distorted,finely pitted surface,rounded edges. Low priority, not impressive. The Chr Spinel population has more polished multifaceted forms but no tuypes which show resorption as in Kimberlitic forms - probably upper mantle types.	1
98119-004	331170	5451800	Drill Material	12/11/98	1730 Chromites: anhedral to euhedral, distorted, metallic sheen on surface, finely frosted with occasional polished surfaces. Hard, vitreous. Generally with a resorbed appearance but considered similar to alkali-basalt.	1730
98119-005	330050	5450450	Drill Material	12/11/98	6250 Chromites: euhedral to anhedral, quite hard, distorted. resorbed surfaces range from splendant to frosted, compact. Low priority - these resorbed etched grains have an *interesting morphology but are hard vitreous type. Likely* alkali-basalt source.	6250
98119-006	330160	5450200	Drill Material	13/11/98	6580 Chromites: Euhedral to anhedral, distorted, resorbed, metallic surface sheen. Compact texture, relatively hard. Surface texture ranges from splendant to frosted. Low priority - see comments relating to 2 previous samples most likely alkali-basalt types.	6580

Tasmanian Exploration - Pacific Nevada tenements Southern Anomaly

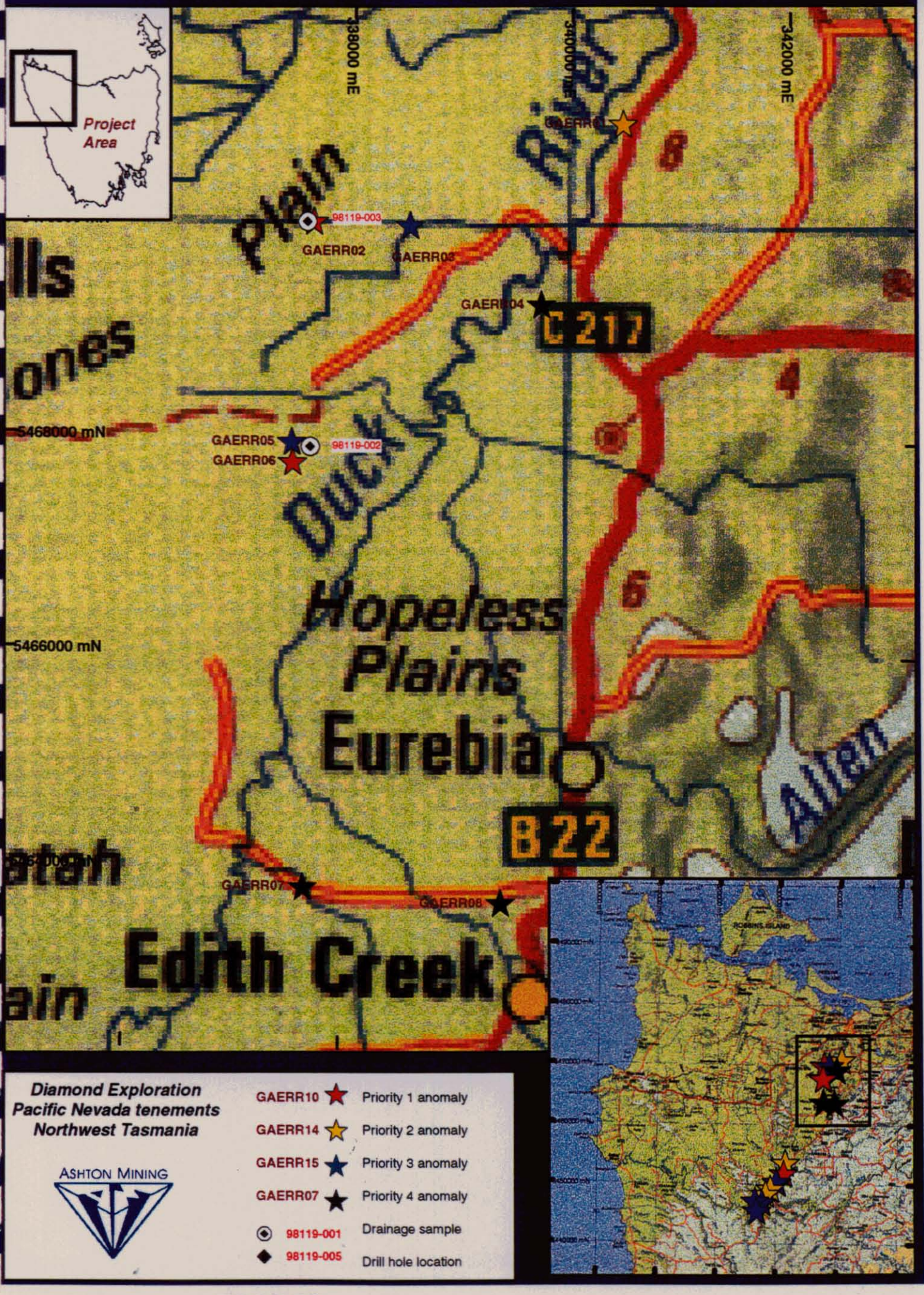
Diamond Exploration
Pacific Nevada tenements
Northwest Tasmania

ASHTON MINING

GAERR10	Priority 1 anomaly
GAERR14	Priority 2 anomaly
GAERR15	Priority 3 anomaly
GAERR07	Priority 4 anomaly
98119-001	Drainage sample
98119-005	Drill hole location

581037

Tasmanian Exploration - Pacific Nevada tenements — Northern Anomaly

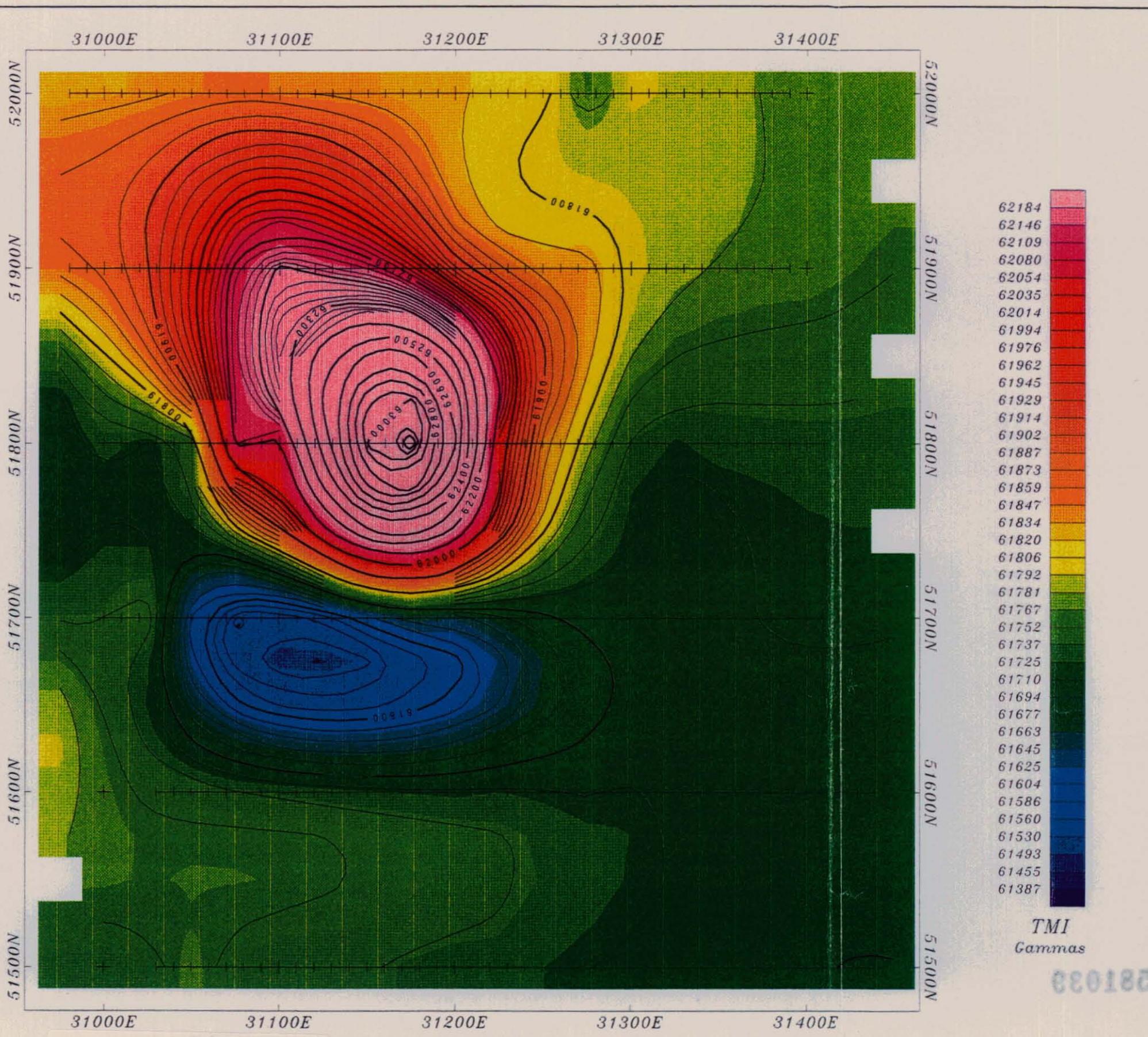


Diamond Exploration
Pacific Nevada tenements
Northwest Tasmania

ASHTON MINING

GAERR10 ★	Priority 1 anomaly
GAERR14 ★	Priority 2 anomaly
GAERR15 ★	Priority 3 anomaly
GAERR07 ★	Priority 4 anomaly
98119-001 ◉	Drainage sample
98119-005 ◆	Drill hole location

581038



GAERR10 – Tasmania (Pacific Nevada tenements)

Ground MAG G856 02/11/98

Diurnal correction

50 0 50

(metres)

581039

37300E 37400E 37500E 37600E 37700E

68100N 68000N 67900N 67800N 67700N 67600N

N00189 N00089 N99989 N99889 N99789 N99689

61153
61140
61127
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61008
61003
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60959
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60937
60926
60914
60900
60877

TMI
Gammas

5 cm

50 0 50
(metres)

GAERR05 & 06

Ground MAG G856

Diurnal correction

581040

Ashton Mining

581041
Appx 1

pacnevaddinfo.doc

FACSIMILE TRANSMISSION

ATTENTION	:	Kathy Rumball			
COMPANY	:	Pacific-Nevada Mining Pty Ltd	**FAX**	:	(08) 9321-1460
COPY	:	Tanya Dowling			
FROM	:	Robert Gunn	**PAGES**	:	31 (Incl.)
DATE	:	15 September 1999			
SUBJECT	:	**Roger River Project**			

Dear Kathy

Sorry for the delay in furnishing this additional information, as requested. The co-ordinates for the mag surveys are in AMG, minus the first digit "3" in the eastings, and the first two digits "54" for northings. Microprobe analysis of the chromite grains indicates the source rock is most likely an alkali basalt, typical for eastern Australia.

Regards

Robert J Gunn
PROJECT GEOLOGIST

Ashton Mining Limited ACN 005 466 964
Perth Office: 21 Wynyard Street, Belmont, Western Australia 6104 (PO Box 1068, Cloverdale, WA 6985)
Telephone: (+61 8) 9334 6444 **Facsimile:** (+61 8) 9334 6480
Internet www.ashton.net.au **email:** exploration@ashton.net.au

CIRCLE DRILL HOLE TYPE, LOCN SOURCE AS APPROPRIATE

ASHTON MINING LIMITED

ACN: 005 466 964

DRILL HOLE: BU 0001

COUNTRY: Australia	PROJECT: BAG056	JOB NO: 98119	TYPE: RAB RCD CORE
TENEMENT: Pacific Nevada EL 14/97	ANOMALY/GRID: GAERR 10	MAP: BURNIE	DATE: 11/11/98
LOCN: EASTING: 331170	MAP DATUM: AGD 66	LOGGED BY: RJG	Page: 1
NORTHING: 5451800	ZONE: 55 RL: —	LOCN SOURCE: (GPS) DGPS ANOMALY MAP	
TOTAL DEPTH (m): 23	HOLE DIAMETER: HQ	AZIMUTH: —	INCLINATION: 90° BIT: CORE

INTERVAL (m) FROM	INTERVAL (m) TO	SAMPLE NO	LITHOLOGY	DESCRIPTION	MAG SUSC x10⁻³ SI Units
0	23	98119-004	BASALT	Brown-yellow highly weathered clayey material	600
	EOH			Often with black streaks (magnetite?) Very magnetic all along length. Some remnant fragments towards base of hole Black-grey basalt Possible tholeiitic in nature due to Kaolinite grey-white patches	

ENTERED

581042

CIRCLE DRILL HOLE TYPE, LOCN SOURCE AS APPROPRIATE

ASHTON MINING LIMITED

ACN: 005 466 964

DRILL HOLE: BU0002

COUNTRY: Australia	PROJECT: BAG056	JOB NO: 98119	TYPE: RAB RCD CORE
TENEMENT: Pacific Nevada 4/14/97	ANOMALY/GRID: GAERR12	MAP: Burnie	DATE: 12/11/98
LOCN: EASTING: 330 050	MAP DATUM: AGD66	LOGGED BY: RJG	Page: 1
NORTHING: 5450450	ZONE: 55 RL: —	LOCN SOURCE: (GPS) DGPS ANOMALY MAP	
TOTAL DEPTH (m): 21.6	HOLE DIAMETER: HQ	AZIMUTH: —	INCLINATION: 90° BIT: CORE

INTERVAL (m) FROM	TO	SAMPLE NO	LITHOLOGY	DESCRIPTION	MAG SUSC x10⁻³ SI Unit
0	3.5			Dark chocolate brown, very clayey weathered material. Highly magnetic. Black streaks and often displays white kaolinite patches	1500
3.5	7.0			Orange, pale, leached, extremely sticky clay with white bleached selvages (after alkali feldspar?)	300
7.0	21.6			Dark chocolate-grey clay in parts possible doleritic texture. Some secondary carbonate but striking black streaks are prevalent. Kaolinitic. Mafic plug. Basaltic, possibly tholeiitic	800
	EOH				
				composite sample 98119-005	
				ENTERED	

581043

CIRCLE DRILL HOLE TYPE, LOCN SOURCE AS APPROPRIATE

ASHTON MINING LIMITED

ACN: 005 466 984

DRILL HOLE: BU0003

COUNTRY: AUSTRALIA	PROJECT: BAGOSS	JOB NO: 98119	TYPE: RAB RCD CORE
TENEMENT: PACIFIC NEWDA ELA4/97	ANOMALY/GRID: GAERR11	MAP: TURNIE	DATE: 13/11/98
LOCN: EASTING: 330160	MAP DATUM: AGD66	LOGGED BY: RJG	Page: 1
NORTHING: 5450200	ZONE: 55 RL: –	LOCN SOURCE: (GPS) DGPS ANOMALY MAP	
TOTAL DEPTH (m): 25	HOLE DIAMETER: HQ	AZIMUTH: –	INCLINATION: 90° BIT: CORE

INTERVAL (m) FROM	INTERVAL (m) TO	SAMPLE NO	LITHOLOGY	DESCRIPTION	MAG SUSC x10⁻³ SI Unit
0	4			Yellow-white bleached clay.	100
4	16			Red oxidised clay-rich dolerite. Medium grained, Red bands with kaolinite development.	300
16	25			Grey-green very weathered clay-rich dolerite.	200
	EOH			Some carbonate and chlorite development. Possibly green-black pyroxenes. Equigranular, medium grained.	
				Composite sample 98119-006	

ENTERED

581044

ASHTON MINING LIMITED

CHROMITE PLOTS - SAMPLE 98119-004

9/03/1999

TUB	GRAIN	TIO2	AL2O3	CR2O3	V2O3	FEO_T	MNO	MGO	ZNO	NIO	TOTAL	FE2O3	FEO	$TOTAL_{REC}$	TI	AL	CR	FE3	V	FE2	MN	MG	ZN	NI	$TOTAL_{CAT}$	MG_NO	CR_NO	FE_NO	ULVOSP	SP	CHROM	MAG
9-03	01C	0.00	39.77	30.26	0.00	12.60	0.00	17.66	0.00	0.00	100.31	1.31	11.42	100.44	0.000	1.306	0.665	0.027	0.000	0.266	0.000	0.734	0.000	0.000	3.000	73.40	33.80	26.60	0.00	65.30	33.32	1.37
9-03	01R	0.00	40.36	29.79	0.00	12.70	0.00	16.63	0.00	0.00	99.48	0.00	12.70	99.48	0.000	1.339	0.663	0.000	0.000	0.299	0.000	0.698	0.000	0.000	2.999	70.00	33.10	30.00	0.00	66.89	33.11	0.00
9-03	02C	0.00	32.88	35.51	0.00	16.14	0.00	16.08	0.00	0.00	100.59	3.56	12.94	100.95	0.000	1.115	0.808	0.077	0.000	0.311	0.000	0.689	0.000	0.000	3.000	68.86	42.00	31.10	0.00	55.76	40.39	3.85
9-03	02R	0.00	31.45	36.38	0.00	15.65	0.00	15.55	0.00	0.00	99.03	2.96	12.99	99.33	0.000	1.089	0.845	0.065	0.000	0.319	0.000	0.681	0.000	0.000	3.000	68.09	43.70	31.90	0.00	54.47	42.26	3.27
9-03	03C	0.00	34.13	35.18	0.00	13.64	0.00	17.04	0.00	0.39	100.38	2.74	11.18	100.65	0.000	1.148	0.793	0.059	0.000	0.267	0.000	0.724	0.000	0.009	3.000	73.10	40.90	26.90	0.00	57.39	39.67	2.94
9-03	03R	0.00	33.39	35.27	0.00	13.93	0.00	16.21	0.00	0.39	99.19	2.21	11.94	99.41	0.000	1.142	0.809	0.048	0.000	0.290	0.000	0.701	0.000	0.009	3.000	70.75	41.50	29.20	0.00	57.12	40.46	2.42
9-03	04C	0.00	33.20	36.82	0.00	14.10	0.00	15.96	0.00	0.00	99.98	1.15	13.06	100.10	0.000	1.133	0.842	0.025	0.000	0.316	0.000	0.684	0.000	0.000	3.000	68.39	42.70	31.60	0.00	56.63	42.12	1.26
9-03	04R	0.00	31.81	35.86	0.23	15.51	0.00	15.59	0.00	0.40	99.40	3.11	12.71	99.71	0.000	1.097	0.829	0.068	0.005	0.311	0.000	0.680	0.000	0.009	3.000	68.60	43.10	31.40	0.00	54.85	41.46	3.69
9-03	05C	0.00	59.27	9.27	0.00	10.87	0.00	20.51	0.00	0.45	100.37	1.25	9.74	100.50	0.000	1.788	0.188	0.024	0.000	0.208	0.000	0.782	0.000	0.009	3.000	78.96	9.50	21.00	0.00	89.41	9.38	1.21
9-03	05R	0.56	50.48	11.58	0.00	17.86	0.00	18.77	0.00	0.39	99.64	7.13	11.45	100.35	0.011	1.590	0.245	0.143	0.000	0.256	0.000	0.747	0.000	0.008	3.000	74.50	13.30	25.50	1.12	79.48	12.23	7.16
9-03	06C	0.00	48.24	9.41	0.55	32.83	0.00	8.03	0.00	0.00	99.06	6.24	27.21	99.69	0.000	1.638	0.214	0.135	0.013	0.655	0.000	0.345	0.000	0.000	3.000	34.46	11.60	65.50	0.00	81.89	10.71	7.40
9-03	06R	0.00	46.33	8.69	0.47	32.95	0.00	8.17	0.00	0.00	98.61	6.75	26.88	99.29	0.000	1.644	0.198	0.147	0.011	0.649	0.000	0.351	0.000	0.000	3.000	35.14	10.80	64.90	0.00	82.21	9.91	7.87
9-03	07C	0.00	47.22	21.75	0.00	10.72	0.00	20.17	0.00	0.31	100.17	2.52	8.46	100.42	0.000	1.489	0.460	0.051	0.000	0.189	0.000	0.804	0.000	0.007	3.000	80.96	23.60	19.00	0.00	74.46	23.00	2.53
9-03	07R	2.87	26.61	24.96	0.00	29.15	0.43	13.71	0.00	0.27	98.00	13.75	16.78	99.38	0.066	0.954	0.600	0.315	0.000	0.427	0.011	0.621	0.000	0.007	3.000	59.29	38.60	40.70	6.56	47.70	30.00	15.73
9-03	08C	0.00	56.70	4.47	0.60	25.39	0.00	12.30	0.00	0.00	99.46	3.66	22.09	99.63	0.000	1.818	0.096	0.075	0.013	0.502	0.000	0.488	0.000	0.000	3.000	49.80	5.00	50.20	0.00	90.80	4.80	4.40
9-03	08R	0.00	52.53	5.16	0.63	29.39	0.00	10.76	0.00	0.35	98.82	6.77	23.30	99.50	0.000	1.730	0.114	0.142	0.014	0.544	0.000	0.448	0.000	0.008	3.000	45.14	6.20	54.90	0.00	86.48	5.70	7.82
9-03	09C	0.00	30.54	38.54	0.00	15.75	0.00	15.39	0.00	0.00	100.22	2.54	13.46	100.47	0.000	1.053	0.891	0.056	0.000	0.329	0.000	0.671	0.000	0.000	3.000	67.07	45.80	32.90	0.00	52.65	44.55	2.80
9-03	09R	0.00	32.13	38.04	0.00	15.07	0.00	14.83	0.00	0.00	100.07	0.64	14.49	100.13	0.000	1.107	0.879	0.014	0.000	0.354	0.000	0.646	0.000	0.000	3.000	64.59	44.30	35.40	0.00	55.35	43.94	0.71
9-03	10C	0.00	30.32	38.44	0.19	15.44	0.00	15.50	0.00	0.00	99.89	2.54	13.15	100.14	0.000	1.048	0.891	0.056	0.004	0.323	0.000	0.677	0.000	0.000	3.000	67.74	46.00	32.30	0.00	52.41	44.56	3.03
9-03	10R	0.00	31.39	37.98	0.00	14.83	0.00	15.02	0.00	0.00	99.22	1.12	13.82	99.33	0.000	1.090	0.885	0.025	0.000	0.340	0.000	0.660	0.000	0.000	3.000	65.95	44.80	34.00	0.00	54.52	44.24	1.25
9-03	11C	0.00	31.52	37.06	0.14	14.61	0.00	15.76	0.00	0.00	99.09	2.14	12.68	99.30	0.000	1.090	0.859	0.047	0.003	0.311	0.000	0.669	0.000	0.000	3.000	68.89	44.10	31.10	0.00	54.50	42.97	2.53
9-03	11R	0.93	27.98	34.55	0.00	23.73	0.00	13.07	0.00	0.00	100.26	6.89	17.53	100.95	0.021	0.986	0.817	0.155	0.000	0.438	0.000	0.582	0.000	0.000	3.000	57.05	45.30	42.90	2.09	49.32	40.84	7.75
9-03	12C	0.31	39.86	28.67	0.00	15.67	0.00	15.69	0.00	0.00	100.20	1.06	14.72	100.31	0.007	1.325	0.639	0.022	0.000	0.347	0.000	0.659	0.000	0.000	3.000	65.51	32.50	34.50	0.66	66.26	31.96	1.12
9-03	12R	8.44	15.35	20.14	0.00	48.42	0.00	4.95	0.00	0.00	97.30	16.09	33.94	98.91	0.216	0.615	0.541	0.412	0.000	0.965	0.000	0.251	0.000	0.000	3.000	20.63	46.80	79.40	21.58	30.76	27.07	20.59
9-03	13C	0.00	35.01	33.53	0.00	15.08	0.00	16.55	0.00	0.00	100.17	3.00	12.38	100.47	0.000	1.179	0.757	0.064	0.000	0.296	0.000	0.704	0.000	0.000	3.000	70.43	39.10	29.60	0.00	58.93	37.55	3.22
9-03	13R	0.00	34.10	33.54	0.00	15.89	0.00	15.64	0.00	0.00	99.57	2.73	13.43	99.84	0.000	1.164	0.777	0.059	0.000	0.325	0.000	0.675	0.000	0.000	3.000	67.47	40.00	32.50	0.00	58.19	38.64	2.97
9-03	14C	0.00	60.03	9.56	0.00	10.10	0.00	20.41	0.00	0.00	100.10	0.00	10.10	100.10	0.000	1.810	0.193	0.000	0.000	0.216	0.000	0.778	0.000	0.000	2.998	78.27	9.60	21.70	0.00	90.35	9.65	0.00
9-03	14R	0.67	51.02	9.35	0.00	18.98	0.00	18.86	0.00	0.00	98.88	8.15	11.64	99.70	0.013	1.611	0.198	0.164	0.000	0.261	0.000	0.753	0.000	0.000	3.000	74.27	10.90	25.70	1.35	80.54	9.80	8.21
9-03	15C	3.94	23.86	24.31	0.00	38.18	0.33	7.42	0.00	0.00	98.04	12.11	27.29	99.25	0.095	0.902	0.616	0.292	0.000	0.732	0.009	0.354	0.000	0.000	3.000	32.64	40.60	67.40	9.50	45.09	30.81	14.61
9-03	15R	3.39	20.96	25.43	0.19	41.78	0.38	5.75	0.00	0.32	98.20	14.52	28.62	99.66	0.083	0.809	0.658	0.360	0.005	0.764	0.011	0.281	0.000	0.008	3.000	26.36	44.50	73.60	8.35	40.46	32.92	18.27
9-03	16C	0.00	59.39	9.44	0.00	11.32	0.00	20.69	0.00	0.00	100.84	1.38	10.08	100.98	0.000	1.783	0.190	0.027	0.000	0.215	0.000	0.785	0.000	0.000	3.000	78.54	9.60	21.50	0.00	89.17	9.50	1.33
9-03	16R	2.91	32.75	15.74	0.00	33.03	0.00	12.97	0.00	0.00	97.40	15.10	19.44	98.91	0.066	1.156	0.373	0.340	0.000	0.487	0.000	0.579	0.000	0.000	3.000	54.31	24.40	45.70	6.55	57.80	18.63	17.02
9-03	17C	0.00	58.97	0.47	0.00	27.39	0.00	12.98	0.00	0.00	99.81	6.47	21.57	100.46	0.000	1.860	0.010	0.130	0.000	0.483	0.000	0.517	0.000	0.000	3.000	51.75	0.50	48.30	0.00	92.99	0.50	6.51
9-03	17R	0.00	58.66	0.47	0.00	26.83	0.00	12.71	0.00	0.00	98.67	5.86	21.56	99.26	0.000	1.871	0.010	0.119	0.000	0.488	0.000	0.512	0.000	0.000	3.000	51.24	0.50	48.80	0.00	93.53	0.50	5.97
9-03	18C	3.74	22.69	25.63	0.00	34.41	0.00	11.62	0.00	0.00	98.09	15.03	20.89	99.59	0.088	0.837	0.634	0.354	0.000	0.546	0.000	0.542	0.000	0.000	3.000	49.78	43.10	50.20	8.80	41.63	31.69	17.68
9-03	18R	4.20	21.45	25.53	0.20	35.62	0.00	11.10	0.00	0.00	98.10	15.23	21.91	99.63	0.100	0.798	0.837	0.362	0.005	0.578	0.000	0.522	0.000	0.000	3.000	47.44	44.40	52.60	9.96	39.88	31.63	18.33
9-03	19C	4.13	20.37	23.71	0.13	40.79	0.28	7.48	0.00	0.00	96.89	15.62	26.56	98.47	0.102	0.788	0.615	0.390	0.003	0.728	0.008	0.366	0.000	0.000	3.000	33.42	43.80	66.60	10.19	39.36	30.74	19.69
9-03	19R	6.47	15.94	21.40	0.00	47.92	0.38	5.02	0.00	0.00	97.13	17.98	31.74	98.93	0.165	0.637	0.574	0.459	0.000	0.900	0.011	0.254	0.000	0.000	3.000	21.98	47.40	78.00	16.50	31.87	28.69	22.94
9-03	20C	1.49	38.71	17.37	0.00	25.83	0.00	15.07	0.00	0.00	98.47	10.75	16.16	99.55	0.032	1.310	0.394	0.232	0.000	0.388	0.000	0.644	0.000	0.000	3.000	62.44	23.10	37.60	3.22	65.48	19.70	11.61
9-03	20R	2.50	33.66	20.65	0.00	29.21	0.00	13.48	0.00	0.00	99.52	11.29	19.05	100.65	0.055	1.163	0.478	0.249	0.000	0.467	0.000	0.588	0.000	0.000	3.000	55.77	29.10	44.20	5.51	58.15	23.81	12.44

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ASHTON MINING LIMITED
CHROMITE PLOTS - SAMPLE 98119-004

9/03/1999

STUB	GRAIN	TIO2	AL2O3	CR2O3	V2O3	FEO_T	MNO	MGO	ZNO	NIO	TOTAL	FE2O3	FEO	$TOTAL_{REC}$	TI	AL	CR	FE3	V	FE2	MN	MG	ZN	NI	$TOTAL_{CAT}$	MG_NO	CR_NO	FE_NO	ULVOSP	SP	CHROM	MAG
99-03	21C	0.00	28.98	40.37	0.00	12.89	0.00	17.48	0.00	0.00	99.70	3.33	9.89	100.03	0.000	0.996	0.931	0.073	0.000	0.241	0.000	0.759	0.000	0.000	3.000	75.87	48.30	24.10	0.00	49.81	46.53	3.65
99-03	21R	0.29	28.92	40.29	0.00	14.85	0.00	15.01	0.00	0.00	99.40	1.25	13.76	99.53	0.006	1.013	0.946	0.028	0.000	0.342	0.000	0.665	0.000	0.000	3.000	66.02	48.30	34.00	0.65	50.84	47.31	1.40
99-03	22C	0.00	34.29	35.23	0.00	14.61	0.00	16.19	0.00	0.00	100.32	1.96	12.85	100.52	0.000	1.159	0.799	0.042	0.000	0.308	0.000	0.692	0.000	0.000	3.000	69.18	40.80	30.80	0.00	57.96	39.83	2.11
99-03	22R	2.65	19.39	36.64	0.17	30.16	0.00	10.28	0.00	0.00	99.29	9.37	21.73	100.23	0.063	0.726	0.920	0.224	0.004	0.577	0.000	0.486	0.000	0.000	3.000	45.74	55.90	54.30	6.33	36.28	45.98	11.41
99-03	23C	0.00	37.75	31.66	0.00	13.84	0.00	17.08	0.00	0.00	100.33	2.00	12.04	100.53	0.000	1.253	0.705	0.042	0.000	0.283	0.000	0.717	0.000	0.000	3.000	71.66	36.00	28.30	0.00	62.64	35.23	2.12
99-03	23R	13.34	7.93	14.77	0.00	56.42	0.80	3.88	0.00	0.00	97.14	20.43	38.03	99.19	0.355	0.331	0.414	0.545	0.000	1.127	0.024	0.205	0.000	0.000	3.000	15.38	55.50	84.60	35.53	16.56	20.66	27.23
99-03	24C	0.00	33.74	35.04	0.00	15.36	0.00	15.89	0.00	0.00	100.03	2.47	13.14	100.28	0.000	1.147	0.799	0.054	0.000	0.317	0.000	0.683	0.000	0.000	3.000	68.31	41.10	31.70	0.00	57.37	39.95	2.68
99-03	24R	2.08	22.77	35.93	0.00	24.31	0.00	13.56	0.00	0.00	98.65	8.67	16.51	99.52	0.048	0.827	0.875	0.201	0.000	0.425	0.000	0.623	0.000	0.000	3.000	59.41	51.40	40.60	4.82	41.36	43.77	10.05
99-03	25C	0.00	28.94	39.20	0.15	16.06	0.00	15.08	0.00	0.00	99.43	2.91	13.44	99.72	0.000	1.012	0.919	0.065	0.004	0.333	0.000	0.667	0.000	0.000	3.000	66.66	47.60	33.30	0.00	59.60	45.97	3.43
99-03	25R	1.34	29.41	29.01	0.00	25.83	0.00	13.58	0.00	0.00	99.17	9.76	17.04	100.15	0.030	1.035	0.685	0.219	0.000	0.426	0.000	0.604	0.000	0.000	3.000	58.67	39.80	41.30	3.01	51.77	34.25	10.97
99-03	26C	0.31	49.98	19.29	0.00	12.31	0.00	17.53	0.00	0.44	99.86	0.00	12.31	99.86	0.006	1.587	0.411	0.000	0.000	0.277	0.000	0.704	0.000	0.010	2.995	71.73	20.60	28.30	0.62	78.94	20.43	0.00
99-03	26R	0.00	49.95	18.25	0.00	12.05	0.00	18.92	0.00	0.00	99.17	1.43	10.76	99.31	0.000	1.583	0.388	0.029	0.000	0.242	0.000	0.758	0.000	0.000	3.000	75.80	19.70	24.20	0.00	79.16	19.40	1.45
99-03	27C	0.00	32.81	37.82	0.00	13.88	0.00	16.09	0.00	0.00	100.60	1.15	12.85	100.71	0.000	1.114	0.861	0.025	0.000	0.309	0.000	0.691	0.000	0.000	3.000	69.06	43.60	30.90	0.00	55.70	43.06	1.24
99-03	27R	17.66	9.34	2.75	0.00	61.14	1.19	5.96	0.00	0.31	98.35	24.91	38.73	100.64	0.454	0.376	0.074	0.641	0.000	1.107	0.034	0.304	0.000	0.009	3.000	21.52	16.50	78.50	45.41	18.82	3.72	32.05
99-03	28C	0.17	30.73	38.96	0.28	14.66	0.00	15.38	0.32	0.24	100.74	1.53	13.28	100.89	0.004	1.055	0.897	0.034	0.007	0.324	0.000	0.668	0.007	0.006	3.000	67.35	46.00	32.80	0.37	52.76	44.86	2.00
99-03	28R	18.19	3.47	6.94	0.00	64.07	0.88	3.17	0.00	0.00	96.72	23.83	42.62	99.11	0.499	0.149	0.200	0.654	0.000	1.299	0.027	0.172	0.000	0.000	3.000	11.70	57.30	88.30	49.86	7.46	10.00	32.69
99-03	29C	0.77	26.92	40.48	0.24	14.97	0.00	16.44	0.00	0.32	100.14	3.66	11.66	100.51	0.017	0.935	0.943	0.082	0.006	0.287	0.000	0.722	0.000	0.008	3.000	71.53	50.20	28.50	1.71	46.77	47.16	4.36
99-03	29R	1.40	22.74	37.51	0.00	25.87	0.00	11.09	0.00	0.00	98.81	6.93	19.63	99.30	0.033	0.841	0.930	0.164	0.000	0.515	0.000	0.518	0.000	0.000	3.000	50.16	52.50	49.80	3.30	42.03	46.49	8.18
99-03	30C	0.00	30.75	38.37	0.25	16.32	0.00	14.66	0.00	0.00	100.35	1.86	14.64	100.54	0.000	1.063	0.880	0.041	0.006	0.359	0.000	0.641	0.000	0.000	3.000	64.08	45.60	35.90	0.00	53.16	44.49	2.35
99-03	30R	0.26	28.78	38.08	0.15	17.83	0.00	14.28	0.00	0.00	99.38	3.30	14.86	99.71	0.006	1.012	0.898	0.074	0.004	0.371	0.000	0.635	0.000	0.000	3.000	63.13	47.00	36.90	0.58	50.62	44.91	3.88
99-03	31C	0.00	53.04	15.41	0.00	12.76	0.00	18.94	0.00	0.40	100.55	1.65	11.28	100.72	0.000	1.647	0.321	0.033	0.000	0.248	0.000	0.743	0.000	0.008	3.000	74.96	16.30	25.00	0.00	82.33	16.04	1.63
99-03	31R	0.00	54.58	14.99	0.00	9.51	0.00	20.55	0.00	0.43	100.06	0.73	8.85	100.13	0.000	1.677	0.309	0.014	0.000	0.193	0.000	0.798	0.000	0.009	3.000	80.53	15.60	19.50	0.00	83.84	15.44	0.72
99-03	32C	0.00	37.17	31.62	0.00	15.86	0.00	15.32	0.36	0.00	100.33	1.73	14.30	100.50	0.000	1.250	0.713	0.037	0.000	0.341	0.000	0.651	0.008	0.000	3.000	65.62	36.30	34.40	0.00	62.49	35.65	1.86
99-03	32R	7.37	7.98	16.04	0.16	46.98	1.67	12.54	0.00	0.28	95.04	34.63	17.82	98.51	0.187	0.317	0.427	0.878	0.005	0.502	0.048	0.629	0.000	0.008	3.000	55.63	57.40	44.40	18.67	15.84	21.36	44.13
99-03	35C	0.00	57.60	9.29	0.00	11.47	0.00	20.10	0.00	0.52	99.18	1.97	9.70	99.38	0.000	1.771	0.191	0.038	0.000	0.211	0.000	0.778	0.000	0.011	3.000	78.69	8.70	21.30	0.00	88.53	9.54	1.92
99-03	35R	0.22	54.59	11.36	0.00	14.10	0.00	18.74	0.00	0.72	99.73	2.92	11.47	100.02	0.004	1.697	0.237	0.058	0.000	0.253	0.000	0.736	0.000	0.015	3.000	74.43	12.20	25.60	0.44	84.83	11.84	2.90
99-03	36C	0.00	51.44	16.16	0.00	13.03	0.00	19.29	0.00	0.29	100.21	2.81	10.50	100.49	0.000	1.606	0.338	0.056	0.000	0.233	0.000	0.761	0.000	0.006	3.000	76.58	17.40	23.40	0.00	80.29	16.91	2.80
99-03	36R	0.00	49.78	17.26	0.17	13.36	0.00	18.15	0.00	0.40	99.12	2.05	11.52	99.32	0.000	1.586	0.389	0.042	0.004	0.260	0.000	0.731	0.000	0.009	3.000	73.74	18.90	26.30	0.00	79.30	18.44	2.26
99-03	38C	0.00	59.54	8.88	0.00	10.97	0.00	20.50	0.00	0.47	100.36	1.33	9.78	100.49	0.000	1.795	0.180	0.026	0.000	0.209	0.000	0.781	0.000	0.010	3.000	78.89	9.10	21.10	0.00	89.75	8.98	1.26
99-03	38R	0.00	57.46	9.40	0.00	11.83	0.00	19.64	0.00	0.50	98.83	1.75	10.25	99.01	0.000	1.771	0.194	0.034	0.000	0.224	0.000	0.765	0.000	0.011	3.000	77.34	9.90	22.70	0.00	88.56	9.72	1.72
99-03	39C	0.00	58.92	9.84	0.00	11.16	0.00	20.49	0.00	0.29	100.70	1.31	9.98	100.83	0.000	1.776	0.199	0.025	0.000	0.213	0.000	0.781	0.000	0.006	3.000	78.54	10.10	21.50	0.00	88.79	9.94	1.26
99-03	39R	4.92	20.82	17.49	0.22	46.17	0.52	7.17	0.00	0.00	97.31	20.43	27.79	99.38	0.121	0.800	0.451	0.501	0.006	0.758	0.014	0.348	0.000	0.000	3.000	31.50	36.00	68.50	12.07	40.02	22.55	25.36
99-03	40C	0.00	58.37	13.77	0.00	10.34	0.00	20.02	0.00	0.00	100.50	0.00	10.34	100.50	0.000	1.721	0.282	0.000	0.000	0.224	0.000	0.772	0.000	0.000	2.999	77.53	14.10	22.50	0.00	85.92	14.08	0.00
99-03	40R	0.52	6.55	0.00	0.00	82.68	0.00	3.31	0.00	0.00	93.06	61.51	27.33	99.22	0.014	0.282	0.000	1.690	0.000	0.834	0.000	0.180	0.000	0.000	3.000	17.75	0.00	82.20	1.43	14.09	0.00	84.48
99-03	41C	1.67	26.63	31.61	0.00	26.30	0.00	13.34	0.00	0.00	99.55	9.90	17.40	100.54	0.038	0.946	0.753	0.224	0.000	0.439	0.000	0.599	0.000	0.000	3.000	57.74	44.30	42.30	3.79	47.32	37.67	11.22
99-03	41R	3.15	23.55	27.23	0.00	32.20	0.00	12.66	0.00	0.40	99.19	14.82	18.86	100.67	0.073	0.852	0.861	0.342	0.000	0.484	0.000	0.579	0.000	0.010	3.000	54.47	43.70	45.50	7.27	42.59	33.03	17.11
99-03	43C	2.17	29.59	23.92	0.00	30.80	0.00	13.01	0.00	0.00	99.49	13.27	18.85	100.82	0.049	1.041	0.564	0.298	0.000	0.470	0.000	0.578	0.000	0.000	3.000	55.15	35.20	44.90	4.87	52.03	28.20	14.90
99-03	43R	9.69	11.68	18.55	0.00	53.41	0.68	3.76	0.00	0.00	97.97	18.27	36.07	99.90	0.257	0.476	0.507	0.502	0.000	1.044	0.020	0.194	0.000	0.000	3.000	15.67	51.60	84.30	25.73	23.82	25.37	25.08
99-03	44C	1.64	24.75	35.06	0.00	23.05	0.00	14.77	0.00	0.39	99.66	9.47	14.53	100.61	0.037	0.878	0.834	0.214	0.000	0.366	0.000	0.662	0.000	0.009	3.000	64.43	46.70	35.60	3.71	43.88	41.69	10.72
99-03	44R	8.69	12.93	16.95	0.25	50.05	0.70	5.43	0.00	0.00	97.20	19.45	32.55	99.15	0.229	0.522	0.513	0.501	0.007	0.932	0.020	0.277	0.000	0.000	3.000	22.82	49.60	77.10	22.88	26.09	25.64	25.39

581046

STUB	GRAIN	TIO2	AL2O3	CR2O3	V2O3	FEO_T	MNO	MGO	ZNO	NIO	TOTAL	FE2O3	FEO	$TOTAL_{REC}$	TI	AL	CR	FE3	V	FE2	MN	MG	ZN	NI	$TOTAL_{CAT}$	MG_NO	CR_NO	FE_NO	ULVOSP	SP	CHROM	MAG
99-03	46C	0.00	55.67	2.66	0.00	27.43	0.00	12.81	0.00	0.00	98.57	7.23	20.92	99.29	0.000	1.794	0.057	0.149	0.000	0.478	0.000	0.522	0.000	0.000	3.000	52.18	3.10	47.80	0.00	89.69	2.87	7.44
99-03	46R	0.30	54.45	2.75	0.00	27.90	0.25	13.22	0.00	0.00	98.87	8.51	20.24	99.72	0.006	1.753	0.059	0.175	0.000	0.462	0.006	0.538	0.000	0.000	3.000	53.78	3.30	46.20	0.62	87.68	2.97	8.75
99-03	47C	0.00	57.34	9.54	0.00	11.22	0.00	20.50	0.00	0.43	99.03	2.40	9.06	99.27	0.000	1.757	0.196	0.047	0.000	0.197	0.000	0.794	0.000	0.009	3.000	80.13	10.00	19.90	0.00	87.85	9.80	2.35
99-03	47R	1.90	40.40	13.29	0.00	30.61	0.00	13.16	0.00	0.27	99.63	11.96	19.85	100.83	0.041	1.361	0.300	0.257	0.000	0.474	0.000	0.560	0.000	0.006	3.000	54.16	18.10	45.80	4.08	68.04	15.01	12.86
99-03	48C	3.80	21.17	23.63	0.00	40.96	0.53	8.30	0.00	0.00	98.59	17.24	25.45	100.32	0.091	0.709	0.603	0.415	0.000	0.681	0.014	0.396	0.000	0.000	3.000	36.76	43.00	63.20	8.15	39.94	30.15	20.76
99-03	48R	5.27	15.63	22.13	0.00	46.87	0.67	6.03	0.00	0.00	96.80	20.40	28.51	98.64	0.134	0.822	0.591	0.519	0.000	0.805	0.025	0.304	0.000	0.000	3.000	27.37	48.70	72.60	13.39	31.12	29.55	25.94
99-03	49C	0.53	46.53	7.97	0.22	33.42	0.00	10.12	0.00	0.00	98.79	10.25	24.20	99.62	0.011	1.571	0.180	0.221	0.005	0.580	0.000	0.432	0.000	0.000	3.000	42.70	10.30	57.30	1.14	78.54	9.02	11.29
99-03	49R	0.30	47.56	7.55	0.23	33.33	0.00	10.52	0.00	0.00	99.49	10.62	23.77	100.55	0.006	1.587	0.169	0.226	0.005	0.583	0.000	0.444	0.000	0.000	3.000	44.09	9.80	55.90	0.64	79.34	8.45	11.57
99-03	50C	0.25	43.16	25.05	0.00	11.87	0.00	19.80	0.00	0.32	100.45	3.52	8.70	100.80	0.005	1.381	0.537	0.072	0.000	0.197	0.000	0.801	0.000	0.007	3.000	80.21	28.00	19.80	0.51	69.03	26.87	3.59
99-03	50R	10.01	9.49	17.25	0.33	54.39	0.75	3.76	0.92	0.00	96.90	21.97	34.62	99.10	0.266	0.395	0.481	0.583	0.009	1.022	0.022	0.198	0.024	0.000	3.000	18.22	54.90	83.80	26.56	19.74	24.06	29.64

581047

Anomaly GAERR05 & 06

East	North	Processed Total Magnetics
LINE 67600		
37350	67600	60975.6
37360	67600	60976.3
37370	67600	60975.7
37380	67600	60976.1
37390	67600	60976.3
37400	67600	60974.9
37410	67600	60974.9
37420	67600	60975.5
37430	67600	60976
37440	67600	60975.4
37450	67600	60975.6
37460	67600	60976
37470	67600	60977.1
37480	67600	60978.2
37490	67600	60980.3
37500	67600	60981.8
37510	67600	60982.7
37520	67600	60983.5
37530	67600	61001.9
37540	67600	60989.3
37550	67600	60995.4
37560	67600	61000.9
37570	67600	61000.8
37580	67600	60998.9
37590	67600	60997
37600	67600	60997.2
37610	67600	60996.9
37620	67600	60996.1
37630	67600	60995.7
37640	67600	60996.7
37650	67600	60997.2
37660	67600	60997.9
37670	67600	60997.7
37680	67600	60997.4
37690	67600	60998.8
37700	67600	60999.4
37710	67600	61000.6
37720	67600	60999.2
LINE	67700	
37350	67700	60975
37360	67700	60971.5
37370	67700	60970.6
37380	67700	60972.5
37390	67700	60973.4
37400	67700	60974.1

Anomaly GAERR05 & 06

581049

East	North	Processed Total Magnetics
37410	67700	60975.3
37420	67700	60973.7
37430	67700	60973.2
37440	67700	60973.9
37450	67700	60973.9
37460	67700	60974.2
37470	67700	60975
37480	67700	60978
37490	67700	60980.5
37500	67700	60983.4
37510	67700	60989
37520	67700	60995.8
37530	67700	61015.6
37540	67700	61086.6
37550	67700	61100.3
37560	67700	61043.4
37570	67700	61023.4
37580	67700	61015
37590	67700	61009.7
37600	67700	61005.7
37610	67700	61003.7
37620	67700	61002.1
37630	67700	61001.1
37640	67700	60999.8
37650	67700	60997.9
37660	67700	60997.2
37670	67700	60997
37680	67700	60997
37690	67700	60997.2
37700	67700	60997
37710	67700	60997.4
37720	67700	60996.8
37730	67700	60996.8
37740	67700	60997.2
37750	67700	60996.9
LINE	67800	
37350	67800	60978.8
37360	67800	60979.3
37370	67800	60977.9
37380	67800	60978.8
37390	67800	60980.6
37400	67800	60982.6
37410	67800	60986.8
37420	67800	60992.4
37430	67800	61000.1
37440	67800	61015.6
37450	67800	61037.7

581050

Anomaly GAERR05 & 06

East	North	Processed Total Magnetics
37460	67800	61076.9
37470	67800	61120.2
37480	67800	61164.6
37490	67800	61208
37500	67800	61252.8
37510	67800	61321
37520	67800	61400.7
37530	67800	61378.5
37540	67800	61284.4
37550	67800	61201.5
37560	67800	61142.3
37570	67800	61103.8
37580	67800	61078.6
37590	67800	61061.6
37600	67800	61048
37610	67800	61036.2
37620	67800	61027.4
37630	67800	61021
37640	67800	61016.2
37650	67800	61014
37660	67800	61012.1
37670	67800	61011.9
37680	67800	61006.7
37690	67800	61003.9
37700	67800	61002.3
37710	67800	61001.3
37720	67800	60999.9
37730	67800	60998.7
37740	67800	60999.9
37750	67800	60999.7
LINE	67900	
37260	67900	60978.4
37270	67900	60974.7
37280	67900	60974.4
37290	67900	60973.6
37300	67900	60973.1
37310	67900	60972.4
37320	67900	60972
37330	67900	60972.4
37340	67900	60974.4
37350	67900	60973.8
37360	67900	60975.3
37370	67900	60975.3
37380	67900	60976.7
37390	67900	60979.6
37400	67900	60983.9
37410	67900	60991.3

581051

Anomaly GAERR05 & 06

East	North	Processed Total Magnetics
37420	67900	60994.7
37430	67900	61014.5
37440	67900	61043
37450	67900	61119.4
37460	67900	61363.1
37470	67900	61491.6
37480	67900	61282
37490	67900	61148.5
37500	67900	61098.7
37510	67900	61073.4
37520	67900	61057
37530	67900	61047.5
37540	67900	61039.8
37550	67900	61032.9
37560	67900	61028.2
37570	67900	61025.7
37580	67900	61022.2
37590	67900	61019.9
37600	67900	61010.1
37610	67900	61012.1
37620	67900	61011
37630	67900	61009.4
37640	67900	61007.8
37650	67900	61005.9
37660	67900	61004.5
37670	67900	61003.5
37680	67900	61002.6
37690	67900	61001.6
37700	67900	61000.5
37710	67900	60999.4
37720	67900	60998.6
37730	67900	60998.2
37740	67900	60997.8
37750	67900	60998
LINE	68000	
37300	68000	60979
37310	68000	60979.1
37320	68000	60980
37330	68000	60980.4
37340	68000	60981.1
37350	68000	60982.3
37360	68000	60984.2
37370	68000	60987.1
37380	68000	60991.9
37390	68000	60998.7
37400	68000	61003.3
37410	68000	61013.9

Anomaly GAERR05 & 06

East	North	Processed Total Magnetics
37420	68000	61028.8
37430	68000	61049.6
37440	68000	61083.9
37450	68000	61126.7
37460	68000	61189.3
37470	68000	61231.9
37480	68000	61227.6
37490	68000	61200
37500	68000	61171.8
37510	68000	61148.8
37520	68000	61124.7
37530	68000	61102.6
37540	68000	61082.2
37550	68000	61067.4
37560	68000	61052.6
37570	68000	61041.3
37580	68000	61031.7
37590	68000	61024.2
37600	68000	61018.2
37610	68000	61014.2
37620	68000	61010.8
37630	68000	61008.6
37640	68000	61006.7
37650	68000	61004.6
37660	68000	61002.7
37670	68000	61000.5
37680	68000	60999.6
37690	68000	60998.7
37700	68000	60997.7
37710	68000	60997.7
37720	68000	60997.7
37730	68000	60998.2
37740	68000	60997.2
37750	68000	60994.9
LINE	68100	
37300	68100	60981.3
37310	68100	60984.3
37320	68100	60986
37330	68100	60984
37340	68100	60988.6
37350	68100	61014.5
37360	68100	61058.5
37370	68100	61092.1
37380	68100	61105.1
37390	68100	61076.7
37400	68100	61047.3
37410	68100	61037.1

581053

Anomaly GAERR05 & 06

East	North	Processed Total Magnetics
37420	68100	61032.8
37430	68100	61027
37440	68100	61020.8
37450	68100	61015.4
37460	68100	61013
37470	68100	61012.7
37480	68100	61012.5
37490	68100	61011.8
37500	68100	61010.5
37510	68100	61009.1
37520	68100	61008.5
37530	68100	61007.9
37540	68100	61006.5
37550	68100	61005.4
37560	68100	61003.5
37570	68100	61002.5
37580	68100	61001.7
37590	68100	60999.8
37600	68100	60999.2
37610	68100	60998.9
37620	68100	60999.6
37630	68100	60999.4
37640	68100	60999
37650	68100	60998
37660	68100	60996.6
37670	68100	60995.8
37680	68100	60995.9
37690	68100	60995.7
37700	68100	60994.1
37710	68100	60991.9
37720	68100	60988.9
37730	68100	60984.3
37740	68100	60975.5
37750	68100	60971.8

Anomaly GAERR10

East	North	Processed Total Magnetics
LINE	51500	
31030	51500	61751.9
31040	51500	61764.2
31050	51500	61783.3
31060	51500	61768.7
31070	51500	61751.1
31080	51500	61750.2
31090	51500	61746.9
31100	51500	61743.1
31110	51500	61741.8
31120	51500	61742.3
31130	51500	61737.3
31140	51500	61737.7
31150	51500	61745.8
31160	51500	61744
31170	51500	61736.8
31180	51500	61733
31190	51500	61729.6
31200	51500	61730.8
31210	51500	61732.6
31220	51500	61735.3
31230	51500	61731.4
31240	51500	61726.8
31250	51500	61726.1
31260	51500	61724
31270	51500	61721.8
31280	51500	61719.5
31290	51500	61717.3
31300	51500	61716.8
31310	51500	61714.8
31320	51500	61714.7
31330	51500	61714.7
31340	51500	61713.2
31350	51500	61712
31360	51500	61710.4
31370	51500	61710.4
31380	51500	61709.4
31390	51500	61707.9
31400	51500	61708.4
31410	51500	61702.3
31420	51500	61697.2
31430	51500	61698.2
31440	51500	61699.4
LINE	51600	
31030	51600	61754.1

Anomaly GAERR10

East	North	Processed Total Magnetics
31040	51600	61752.1
31050	51600	61748.6
31060	51600	61745.3
31070	51600	61742.4
31080	51600	61739.8
31090	51600	61738.2
31100	51600	61735.7
31110	51600	61734.3
31120	51600	61732.1
31130	51600	61729.6
31140	51600	61728.1
31150	51600	61726.7
31160	51600	61725.2
31170	51600	61724.3
31180	51600	61723.8
31190	51600	61723.5
31200	51600	61721.1
31210	51600	61721.8
31220	51600	61726.7
31230	51600	61724.3
31240	51600	61723.3
31250	51600	61720.9
31260	51600	61722
31270	51600	61718
31280	51600	61718.7
31290	51600	61721.5
31300	51600	61726.4
31310	51600	61720.8
31320	51600	61717.3
31330	51600	61711.8
31340	51600	61715.2
31350	51600	61716.2
31360	51600	61716.6
31370	51600	61715.6
31380	51600	61714.8
31390	51600	61713
31400	51600	61713.1
31410	51600	61712.2
31420	51600	61711.6
31430	51600	61711.1
31440	51600	61710.9
LINE	51700	
31000	51700	61724.8
31010	51700	61751.4
31020	51700	61807.6
31030	51700	61722.8

Anomaly GAERR10

East	North	Processed Total Magnetics
31040	51700	61649.9
31050	51700	61607.3
31060	51700	61579.9
31070	51700	61544.3
31080	51700	61524.1
31090	51700	61539.9
31100	51700	61555.9
31110	51700	61547.8
31120	51700	61565.3
31130	51700	61563.4
31140	51700	61586
31150	51700	61614
31160	51700	61640.2
31170	51700	61659.6
31180	51700	61651.7
31190	51700	61647.9
31220	51700	61668.1
31230	51700	61675.7
31240	51700	61687.1
31250	51700	61695.1
31260	51700	61694.9
31270	51700	61712.3
31280	51700	61703
31290	51700	61706.8
31300	51700	61712.2
31310	51700	61715.5
31320	51700	61716.8
31330	51700	61716.5
31340	51700	61717.3
31350	51700	61719.3
31360	51700	61719.9
31370	51700	61720.2
31380	51700	61720.7
31390	51700	61720.2
31400	51700	61721.1
31410	51700	61724.4
LINE	51800	
31000	51800	61732.2
31010	51800	61732.2
31020	51800	61722.8
31030	51800	61713.7
31040	51800	61712.3
31050	51800	61710.4
31060	51800	61812.5
31070	51800	62038.7
31080	51800	62204.2

581057

Anomaly GAERR10

East	North	Processed Total Magnetics
31090	51800	62156.4
31100	51800	61995.8
31110	51800	62070.9
31120	51800	62321.5
31130	51800	62560.3
31140	51800	62732.1
31150	51800	63022.5
31160	51800	63278
31170	51800	63495.4
31180	51800	63123.2
31190	51800	62903
31200	51800	62646.1
31210	51800	62276.3
31220	51800	62062.6
31230	51800	61949.1
31240	51800	61846.7
31250	51800	61826.9
31260	51800	61860.7
31270	51800	61823.7
31280	51800	61753.9
31290	51800	61732.6
31300	51800	61731.8
31310	51800	61744.3
31320	51800	61723.2
31330	51800	61724.2
31340	51800	61728.1
31350	51800	61731.5
31360	51800	61732.4
31370	51800	61732.3
31380	51800	61732.2
31390	51800	61732.4
31400	51800	61733.9
31410	51800	61734.1
LINE	51900	
30980	51900	61848.7
30990	51900	61855.3
31000	51900	61863.8
31010	51900	61874.4
31020	51900	61888.7
31030	51900	61909.3
31040	51900	61935.2
31050	51900	61985.9
31060	51900	62031.6
31070	51900	62091.6
31080	51900	62140.3
31090	51900	62202.7

Anomaly GAERR10

East	North	Processed Total Magnetics
31100	51900	62230.9
31110	51900	62203.1
31120	51900	62159.5
31130	51900	62165.9
31140	51900	62154.2
31150	51900	62157.6
31160	51900	62111.8
31170	51900	62064.9
31180	51900	62029.6
31190	51900	61940.2
31200	51900	61919.4
31210	51900	61893.6
31220	51900	61873.5
31230	51900	61854.2
31240	51900	61839.3
31250	51900	61833.8
31260	51900	61820.1
31270	51900	61812.3
31280	51900	61855.3
31290	51900	61799.3
31300	51900	61795.4
31310	51900	61791.9
31320	51900	61787
31330	51900	61784.3
31340	51900	61783.3
31350	51900	61779.1
31360	51900	61773.9
31370	51900	61775.4
31380	51900	61773.7
31390	51900	61774.5
LINE	52000	
30980	52000	61828.1
30990	52000	61830.3
31000	52000	61831.2
31010	52000	61832.3
31020	52000	61834.6
31030	52000	61837
31040	52000	61838.8
31050	52000	61843.3
31060	52000	61850.8
31070	52000	61857.5
31080	52000	61855.3
31090	52000	61848.3
31100	52000	61844.2
31110	52000	61841.3
31120	52000	61838.3

581059

Anomaly GAERR10

East	North	Processed Total Magnetics
31130	52000	61836.4
31140	52000	61835.8
31150	52000	61835.4
31160	52000	61836.5
31170	52000	61828
31180	52000	61825.9
31190	52000	61824.2
31200	52000	61821.8
31210	52000	61820
31220	52000	61816.3
31230	52000	61814.7
31240	52000	61811.3
31250	52000	61807.5
31260	52000	61804.9
31270	52000	61728.4
31280	52000	61798.3
31290	52000	61796.2
31300	52000	61794.4
31310	52000	61793.3
31320	52000	61790.9
31330	52000	61788.7
31340	52000	61785.8
31350	52000	61785.1
31360	52000	61782.8
31370	52000	61780.4
31380	52000	61778.7
31390	52000	61776.1

581060

Anomaly GAERR11 & 12

East	North	Processed Total Magnetics
LINE	50000	
29950	50000	61446.9
29960	50000	61444.4
29970	50000	61442.9
29980	50000	61436.1
29990	50000	61433.8
30000	50000	61431.6
30010	50000	61428.5
30020	50000	61427.6
30030	50000	61427
30040	50000	61425.1
30050	50000	61424
30060	50000	61426.6
30070	50000	61418.5
30080	50000	61416.2
30090	50000	61412.8
30100	50000	61409.3
30110	50000	61408.4
30120	50000	61408.4
30130	50000	61405.9
30140	50000	61405.4
30150	50000	61402.1
30160	50000	61399.1
30170	50000	61396.4
30180	50000	61395.7
30190	50000	61395
30200	50000	61395.3
30210	50000	61390.3
30220	50000	61405.4
30230	50000	61423.3
30240	50000	61409.2
30250	50000	61417.6
30260	50000	61428.9
30270	50000	61438.4
30280	50000	61415.6
30290	50000	61419.1
30300	50000	61414.4
30310	50000	61439.3
30320	50000	61409.1
30330	50000	61422.8
30340	50000	61415.3
30350	50000	61415.3
30360	50000	61396.7
30370	50000	61393.3
30380	50000	61395.7

581061

Anomaly GAERR11 & 12

East	North	Processed Total Magnetics
30390	50000	61403.9
30400	50000	61395.7
30410	50000	61399.7
30420	50000	61398.2
30430	50000	61393
30440	50000	61396.6
30450	50000	61389.6
30460	50000	61389
30470	50000	61394.6
30480	50000	61397.6
30490	50000	61384.8
30500	50000	61396
LINE	50100	
29950	50100	61443.1
29960	50100	61440.9
29970	50100	61439.7
29980	50100	61438.1
29990	50100	61435.9
30000	50100	61432.7
30010	50100	61425.5
30020	50100	61420.7
30030	50100	61416.1
30040	50100	61409.7
30050	50100	61402.5
30060	50100	61395.7
30070	50100	61387.7
30080	50100	61380.1
30090	50100	61368.6
30100	50100	61357
30110	50100	61357
30120	50100	61339.6
30130	50100	61326.6
30140	50100	61312.4
30150	50100	61301.2
30160	50100	61295.6
30170	50100	61296
30180	50100	61300.2
30190	50100	61305
30200	50100	61313.2
30210	50100	61327.6
30220	50100	61343
30230	50100	61350.8
30240	50100	61357.4
30250	50100	61364.9
30260	50100	61376.3
30270	50100	61381.9

Anomaly GAERR11 & 12

East	North	Processed Total Magnetics
30280	50100	61386.1
30290	50100	61387.1
30300	50100	61388
30310	50100	61401
30320	50100	61399.4
30330	50100	61404.6
30340	50100	61404.6
30350	50100	61400.6
30360	50100	61395.8
30370	50100	61395.6
30380	50100	61400.4
30390	50100	61409.6
30400	50100	61391.8
30410	50100	61392
30420	50100	61397.2
30430	50100	61398.8
30440	50100	61401.9
30450	50100	61403.5
30460	50100	61400.1
30470	50100	61403.5
30480	50100	61400.5
30490	50100	61397.9
30500	50100	61401.7
30510	50100	61402.7
LINE	50200	
29860	50200	61455.4
29870	50200	61452.2
29880	50200	61452
29890	50200	61449.8
29900	50200	61449
29910	50200	61446.6
29920	50200	61444.2
29930	50200	61443.2
29940	50200	61443.6
29950	50200	61439.8
29960	50200	61439
29970	50200	61436.4
29980	50200	61436.4
29990	50200	61437.8
30000	50200	61440.2
30010	50200	61443.6
30020	50200	61450.8
30030	50200	61464.4
30040	50200	61493.6
30050	50200	61539
30060	50200	61606.4

581063

Anomaly GAERR11 & 12

East	North	Processed Total Magnetics
30070	50200	61709.8
30080	50200	61831
30090	50200	61974.1
30100	50200	62120.3
30110	50200	62186
30120	50200	62301.3
30130	50200	62304.3
30140	50200	62296
30150	50200	62324.6
30160	50200	62312.2
30170	50200	62313.5
30180	50200	62279.1
30190	50200	62214.2
30200	50200	62174.1
30210	50200	62048.5
30220	50200	61899.7
30230	50200	61770.1
30240	50200	61684.3
30250	50200	61621.1
30260	50200	61576.8
30270	50200	61549.5
30280	50200	61506.6
30290	50200	61511.3
30300	50200	61505.8
30310	50200	61466.8
30320	50200	61460.7
30330	50200	61454
30340	50200	61450
30350	50200	61448.9
30360	50200	61445.8
30370	50200	61442.6
30380	50200	61440.4
30390	50200	61440.3
30400	50200	61435.4
30410	50200	61433.5
30420	50200	61431.6
30430	50200	61429.3
30440	50200	61427.6
30450	50200	61426.5
30460	50200	61426.4
30470	50200	61425.1
30480	50200	61432
30490	50200	61430.5
30500	50200	61418.5
LINE	50300	
29920	50300	61446

581064

Anomaly GAERR11 & 12

East	North	Processed Total Magnetics
29930	50300	61447.2
29940	50300	61454.6
29950	50300	61455.2
29960	50300	61452.4
29970	50300	61449.8
29980	50300	61447.2
29990	50300	61444.6
30000	50300	61445.2
30010	50300	61448.4
30020	50300	61447.2
30030	50300	61448.4
30040	50300	61459.6
30050	50300	61453.4
30060	50300	61454.4
30070	50300	61459.6
30080	50300	61467.4
30090	50300	61483.8
30100	50300	61488.4
30110	50300	61505.3
30120	50300	61518.4
30130	50300	61534.2
30140	50300	61555.2
30150	50300	61560.5
30160	50300	61563.3
30170	50300	61568.6
30180	50300	61580.3
30190	50300	61612
30200	50300	61614.9
30210	50300	61615.2
30220	50300	61588.3
30230	50300	61590.6
30240	50300	61604.2
30250	50300	61588.9
30260	50300	61583.8
30270	50300	61577.6
30280	50300	61580.2
30290	50300	61558.5
30300	50300	61532.5
30310	50300	61524.8
30320	50300	61558.2
30330	50300	61522
30340	50300	61524.3
30350	50300	61500.1
30360	50300	61504.4
30370	50300	61483.8
30380	50300	61474.7

Anomaly GAERR11 & 12

East	North	Processed Total Magnetics
30390	50300	61475.3
30400	50300	61467
30410	50300	61465.8
30420	50300	61461.9
30430	50300	61461.1
30440	50300	61458
30450	50300	61453.4
30460	50300	61436.9
30470	50300	61456.2
30480	50300	61452
30490	50300	61450.5
30500	50300	61449.2
30510	50300	61446.5
30520	50300	61442.4
30530	50300	61439.1
30540	50300	61441.8
LINE	50400	
29910	50400	61459.8
29920	50400	61454.2
29930	50400	61445.8
29940	50400	61436
29950	50400	61425.4
29960	50400	61429.4
29970	50400	61396.8
29980	50400	61373
29990	50400	61351.6
30000	50400	61303.8
30010	50400	61257
30020	50400	61219.6
30030	50400	61192
30040	50400	61160.4
30050	50400	61155.2
30060	50400	61160.4
30070	50400	61180.8
30080	50400	61182.7
30090	50400	61219.2
30100	50400	61263.7
30110	50400	61304
30120	50400	61347.1
30130	50400	61391.3
30140	50400	61415.9
30150	50400	61447.6
30160	50400	61450.5
30170	50400	61461.2
30180	50400	61460.4
30190	50400	61467.2

581066

Anomaly GAERR11 & 12

East	North	Processed Total Magnetics
30200	50400	61463.5
30210	50400	61480.9
30220	50400	61472
30230	50400	61469.8
30240	50400	61470.5
30250	50400	61476.3
30260	50400	61479.8
30270	50400	61488.7
30280	50400	61498.6
30290	50400	61487.5
30300	50400	61476.7
30310	50400	61471.7
30320	50400	61470.4
30330	50400	61469.7
30340	50400	61464.6
30350	50400	61469.8
30360	50400	61473.6
30370	50400	61478.1
30380	50400	61477.3
30390	50400	61476.4
30400	50400	61465.8
30410	50400	61461
30420	50400	61458.9
30430	50400	61460.9
30440	50400	61462.4
30450	50400	61473.6
30460	50400	61463.2
30470	50400	61456.8
30480	50400	61456.6
30490	50400	61456.8
30500	50400	61455
LINE	50500	
29800	50500	61496
29810	50500	61493.5
29820	50500	61492.8
29830	50500	61495.6
29840	50500	61490.8
29850	50500	61494.2
29860	50500	61503.8
29870	50500	61515.8
29880	50500	61505.2
29890	50500	61501.2
29900	50500	61497.7
29910	50500	61496.3
29920	50500	61495.8
29930	50500	61497.4

581067

Anomaly GAERR11 & 12

East	North	Processed Total Magnetics
29940	50500	61500.1
29950	50500	61505.9
29960	50500	61509
29970	50500	61511
29980	50500	61516
29990	50500	61527.2
30000	50500	61542.5
30010	50500	61570.4
30020	50500	61621.5
30030	50500	61638.4
30040	50500	61702.3
30050	50500	61698
30060	50500	61701.1
30070	50500	61735.3
30080	50500	61790.1
30090	50500	61698.5
30100	50500	61667.1
30110	50500	61641.5
30120	50500	61617.9
30130	50500	61615.5
30140	50500	61525.5
30150	50500	61511.9
30160	50500	61516.1
30170	50500	61510.1
30180	50500	61515.5
30190	50500	61533.3
30200	50500	61520.5
30210	50500	61509.9
30220	50500	61499.5
30230	50500	61494.7
30240	50500	61504.1
30250	50500	61497.5
30260	50500	61493.9
30270	50500	61503.9
30280	50500	61489.5
30290	50500	61487.3
30300	50500	61501.3
30310	50500	61492.3
30320	50500	61488.7
30330	50500	61490.9
30340	50500	61504.5
30350	50500	61486.5
30360	50500	61481.1
30370	50500	61479.7
30380	50500	61478.9
30390	50500	61478.5

581068

Anomaly GAERR11 & 12

East	North	Processed Total Magnetics
30400	50500	61478.3
30410	50500	61477.1
30420	50500	61474.5
30430	50500	61473.7
30440	50500	61472.7
30450	50500	61470.5
30460	50500	61472.9
30470	50500	61475.8
30480	50500	61465.4
30490	50500	61464.2
LINE	50600	
29780	50600	61516.2
29790	50600	61515.8
29800	50600	61515
29810	50600	61517.1
29820	50600	61518.4
29830	50600	61515.3
29840	50600	61514.1
29850	50600	61513.9
29860	50600	61514.6
29870	50600	61507.2
29880	50600	61507.1
29890	50600	61506.7
29900	50600	61506.5
29910	50600	61507.4
29920	50600	61507.6
29930	50600	61509.1
29940	50600	61510.7
29950	50600	61512.1
29960	50600	61515.9
29970	50600	61513
29980	50600	61514.3
29990	50600	61515.2
30000	50600	61522.5
30010	50600	61520.9
30020	50600	61517.2
30030	50600	61516.6
30040	50600	61516.9
30050	50600	61515.2
30060	50600	61512.8
30070	50600	61510.5
30080	50600	61509.6
30090	50600	61509.6
30100	50600	61505.6
30110	50600	61510
30120	50600	61505.5

Anomaly GAERR11 & 12

581069

East	North	Processed Total Magnetics
30130	50600	61499.1
30140	50600	61498.7
30150	50600	61502.2
30160	50600	61500.6
30170	50600	61500.9
30180	50600	61490
30190	50600	61502.8
30200	50600	61494
30210	50600	61484.4
30220	50600	61511
30230	50600	61515.3
30240	50600	61474.3
30250	50600	61486.2
30260	50600	61489.7
30270	50600	61488.3
30280	50600	61487
30290	50600	61484.3
30300	50600	61476.9
30310	50600	61452.5
30320	50600	61521.5
30330	50600	61542.6
30340	50600	61507.8
30350	50600	61443.6
30360	50600	61430.7
30370	50600	61438
30380	50600	61455.8
30390	50600	61467.1
30400	50600	61464.5
30410	50600	61460.7
30420	50600	61471.4
30430	50600	61470.8
30440	50600	61469.2
30450	50600	61459.4
30460	50600	61447.7
30470	50600	61511.7
LINE	50700	
29910	50700	61524
29920	50700	61514.8
29930	50700	61517.8
29940	50700	61517
29950	50700	61518
29960	50700	61515.2
29970	50700	61514.7
29980	50700	61515.6
29990	50700	61516.1
30000	50700	61515.8

Anomaly GAERR11 & 12

581070

East	North	Processed Total Magnetics
30010	50700	61514.2
30020	50700	61514.3
30030	50700	61520.8
30040	50700	61516.6
30050	50700	61519.7
30060	50700	61525.5
30070	50700	61514.7
30080	50700	61507.6
30090	50700	61508.9
30100	50700	61510.8
30110	50700	61512.3
30120	50700	61513.3
30130	50700	61510.8
30140	50700	61510.6
30150	50700	61509.1
30160	50700	61507.6
30170	50700	61507.5
30180	50700	61504.8
30190	50700	61504.9
30200	50700	61506.8
30210	50700	61521.6
30220	50700	61510.1
30230	50700	61504.5
30240	50700	61500.4
30250	50700	61501.5
30260	50700	61501.6
30270	50700	61507.4
30280	50700	61505.5
30290	50700	61496.6
30300	50700	61499
30310	50700	61499.8
30320	50700	61500.4
30330	50700	61498.9
30340	50700	61497.9
30350	50700	61499.3
30360	50700	61498.5
30370	50700	61496.1
30380	50700	61494.7
30390	50700	61491.3
30400	50700	61484.9
30410	50700	61485.4
30420	50700	61511.8
30430	50700	61528
30440	50700	61517.7
30450	50700	61488.2
30460	50700	61567.8

Anomaly GAERR11 & 12

581071

East	North	Processed Total Magnetics
30470	50700	61522.6
30480	50700	61532.6
30490	50700	61603.5
30500	50700	61508.6
30510	50700	61604.2
30520	50700	61506
30530	50700	61442.8
30540	50700	61525.8