PLENTY RIVER MINING COMPANY - ANACONDA AUSTRALIA INC.
JERVOIS JOINT VENTURE
E.Ls. 3202, 3203, 3204
REPORT ON EXPLORATION WORK DONE FOR THE 12 MONTH PERIOD TO MARCH 1984

by

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ANACONDA AUSTRALIA INC.

APRIL 1984

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SUMMARY

Exploration was conducted over E.Ls. 3202, 3203 and 3204 around the Jervois copper-lead mineralization. Attention was focused on, what was called, the Big J magnetic trend which occurs parallel to and 6km south-east of the trend including the Jervois mine.

Prior regional geology and geochemistry (1983) gave encouraging results and the area was covered by an INPUT airborne E.M. survey in late 1983. No first order E.M. anomalies were recognised. Some 26 lower order anomalies were identified and a program of ground follow-up, including ground magnetic location, geological mapping, rock and soil geochemical sampling was completed.

The results were not encouraging and no further work is recommended.

TABLE OF CONTENTS

LIST OF PLANS

Plan No.	
2024	E.Ls. 3202, 3203, 3204
2025	Proton Magnetometer Survey - B Profile - Anomaly JC10
2026	Proton Magnetometer Survey - C Profile - Anomaly JC10
2027	Proton Magnetometer Survey - A Profile - Anomaly JC10
2028	Proton Magnetometer Survey - Profile - Anomaly JC16
2029	Proton Magnetometer Survey - Profile - Anomaly JC18
2030	Proton Magnetometer Survey - Profile - Anomaly JC19
2031	Proton Magnetometer Survey - Profile - Anomaly JC20
2032	Proton Magnetometer Survey - Profile - Anomaly JC21
2033	Proton Magnetometer Survey - Profile - Anomaly JC24
2034	Proton Magnetometer Survey - Profile - Anomaly JC25
2035	Proton Magnetometer Survey - Profile - Anomaly JC25a
2036	Proton Magnetometer Survey - Profile - Anomaly JC26
2037	Proton Magnetometer Survey - Profile - Anomaly JA1a
2038	Proton Magnetometer Survey - Profile - Anomaly JA4
2039	Proton Magnetometer Survey - Profile - Anomaly JA6
2040	Jervois North Copper Geochem.
9038	Geology, Geochemistry, Geophysics of Jervois Area

INTRODUCTION

Anaconda is farming into E.Ls. 3202, 3203 and 3204 owned by Plenty River Mining Company (see locality plan).

The objective of the farm-in is to evaluate a recently recognised magnetic trend, here called the Big J, which occurs parallel to and 6km south-east of the magnetic trend including the Jervois copper-lead mineralization (Little J). Both trends are seen on the Jervois Range 1:100,000 Magnetic Intensity Sheet (6152) published by the N.T. Department of Mines and Energy (Marjoribanks 1984).

Multiple phase folding suggests the possibility that the Big J and Little J are equivalent and that Jervois style mineralization could occur beneath shallow cover east of the Jervois Mine.

An initial regional geological and geochemical assessment of the area gave encouraging results.

In late 1983 an INPUT airborne E.M. survey was completed over the Big J trend and is reported by Marjoribanks, 1984.

Analysis of the E.M. and magnetic data recognises no first order anomalies but identifies 26 E.M. anomalies and in part associated magnetic anomalies.

During the period February 19 to 24, a 4 man team completed evaluation of the anomalies including ground magnetic location, geological mapping, rock and soil bio geochemical sampling as appropriate.

This report summarises results of the exploration for the 12 month period to March 1984.

RECONNAISSANCE GEOLOGY AND GEOCHEMISTRY

An airphoto geological interpretation was done of the area around the Jervois Mine and extended to include the Big J structure (Plan 9038).

Reconnaissance geological and geochemical follow-up field work was completed. Some 104 rock chip samples and 7 stream sediment samples were collected for assay (Appendix).

Few fractions were analysed in the stream sediment samples, the -20+40 mesh (A), -40+80 mesh (B), -80+120 mesh C, and the magnetic fraction (M).

This work indicated the upper part of the Little J structure to be essentially Cu±Ag rich while the lower part of the structure, the area between Cox's Lode and Bellbird Lode, is polymetallic with anomalous Cu, Pb, Zn, Au and Ag. There was geochemical encouragement from samples collected on the Big J structure indicating a possible repetition of the Mine Sequence, and it was decided to cover the area with an ariborne E.M. survey.

E.M. SURVEY

The details of the survey are reported by Marjoribanks, 1984.

Putative lodes crossed by the Input survey show small Input anomalies associated with mag anomalies. In fact, the E.M. response is occasionally absent or so slight as to be non-specific. Accordingly, the presence of a magnetic anomaly was considered of prime importance in selection of Input anomalies.

No first order anomalies were recognised, but 26 E.M. anomalies and in part associated magnetic anomalies were identified (Table 1).

GEOLOGY OF THE BIG J SEQUENCE

The Big J magnetic trend extends from one kilometre east of Unka Hill south and then west to the Jervois Range unconformity four kilometres south of Bellbird copper. The magnetic trend continues north of Unka Hill but is less well defined and more discontinuous.

The outcrop associated with the Big J trend is limited and less than 10%. Thus detailed geological evaluation is difficult.

South and east of the Big J trend is a sequence of fine grained massive amphibolites, locally porphyritic and amygdaloidal. The sequence is up to 1 kilometre wide and includes local tourmalinite beds to 0.5m, particularly to the western margin. The amphibolites appear to represent a basic flow sequence.

Immediately east and south of this sequence is a narrow zone (100 - 200m) of poor outcrop followed by poorly outcropping granite. In the south-west of the trend the granite is replaced by bold outcrops of massive granodiorite.

The rocks comprising the Big J trend and west and north of the amphibolite sequence consist of a mixed sequence including muscovite schists, chlorite and tremolite schists, local porphyroblastic (?) staurolite schist, tourmalinite.

Magnetic susceptability of the rocks is variable. Local magnetite-muscovite schists could explain the Big J magnetic anomaly. Outcrop is exceedingly poor but no gossan, iron formation or clear indication of mineralization is recorded.

The magnetic profile of the Big J is assymetric with a progressive rise on the west and sharp drop on the east. No geological explanation for this pattern was observed.

West and north of the Big J mixed schist sequence is a series of well bedded units including mica quartzites, calc silicate rocks and amphibolites which appear to be calcareous sediment derivatives.

Further west and intruding the calc silicate sequence is a series of dolerites, gabbro and local granitic phases.

These intrusive rocks separate the sequence including Wards Prospect, associated local iron formations and the Little J sequence from the Big J sequence described above.

From the brief review of the Jervois Little J sequence and particularly the distinctive Lode sequence, indications are that the Big J sequence is not equivalent to the Little J and Jervois Lode sequence.

Analysis of the Plenty River Mining students mapping and discussion with P. Ypma suggests that the Big J sequence is stratigraphically higher than the Little J sequence. No enquivocal facing evidence was recorded.

EVALUATION OF THE E.M. ANOMALIES

A summary of the E.M. anomalies JC1 - JC26 with the field action and conclusions is given on Table 1.

The anomalies can be grouped into geologically related sets as described below. In most instances the geological assessment is imprecise and a complete analysis of anomaly source requires geochemical and possible drill follow-up. The comments below relate to the current data level.

JC1

Appears to relate to a fault zone cutting the late Proterozoic and Cambrian Georgina Basin rocks.

JC2

Situated within the late Proterozoic this anomaly probably is a terrain clearance anomaly.

JC3, JC6

JC6 is a linear E.M. anomaly associated with the breccia fault zone at Unka Hill. This fault zone is siliceous and sulfide poor and appears to occur within granite.

JC3 is the northern extension of JC6, totally concealed by alluvium and aeolean sands. Trends suggest JC3 E.M. anomaly could overly the same fault structure but possibly within amphibolite.

JC4, JC5

Anomalies occur within granite east of Unka Bore. The anomalies were not field inspected.

JC7, JC8, JC9

Anomalies are within granite southeast of JC6. They were not field inspected.

JC10, JC11, JC12

This group of anomalies occur within a drainage system overlying rocks of the calc silicate and/or gabbro suite. The anomalies are interpreted as fault and ground water related.

JC13

The anomaly is within granite but associated with a dark photo pattern, comparable to JC9, and possibly a dolerite dyke.

JC14

Not field checked, but totally within granite. This linear anomaly extends over 6 lines (3kms) and is parallel to the granite contact and a major quartz vein 0.4km to the south.

JC15

This strangely linear anomaly extends east west over at least 7km and apparently within or on the northern margin of the amphibolite sequence. To the east it dies out in granite. The trend was geochemically sampled at one location. There are no geochemical anomalies, the only chemical variation being associated with rock types. The Cu and Mn background values are higher over the amphibolite than over the granite.

JC16, JC26

These anomalies parallel JC15 1.0km to the north and coincident with the Big J trend on the western end. Both anomalies were evaluated by soil lines. JC26 includes a long soil line with traces of mica schist float on the south-west end. A low ridge of outcrop including tourmalinite occurs 200m to the north east. JC26 is considered geologically equivalent to JC25 and JC24.

There are no geochemical anomalies. The ground magnetic fluctuations reflect different rock types which are also indicated in part by the soil

geochemistry. Especially in the case of Ti where there is a slight increase in Ti associated with the magnetic high on JC26 which may reflect the presence of different rock type.

JC17

Location not visited as the anomaly is within gabbro.

JC18

Located by ground magnetic traverse, this anomaly includes altered magnetic gabbro.

JC19

Two ground magnetic traverses were completed over the anomaly. A low magnetic response was indicated probably associated with a B.I.F. A rock chip sample of the B.I.F. (No. 180) has no base metal or precious metal anomalies. Some granite chips around the collar of a precussion drill hole were also sampled (No. 181) and these are slightly anomalous in Cu (85 ppm) and Zn (113 ppm). No further work is recommended.

JC20

Coincident good magnetic and E.M. anomaly was field checked and believed to result from a drainage anomaly.

JC21

The source of the anomaly is unknown. It was magnetically located and soil sampled. The soil geochemistry was not anomalous.

JC22

Not evaluated.

JC23

E.M. anomaly soil sampled but believed to represent a drainage anomaly. There are no soil geochemical anomalies.

JC24, JC25

Anomalies coincident E.M. and magnetics on the Big J trend and geologically comparable to JC16, JC26. Both anomalies located magnetically and soil sampled. Both E.M. responses could be swamp/ground water related.

There are no geochemical anomalies. The geochemical variations seen are related to rock types and these are reflected in the ground magnetics e.g. JC25 from 240 - 320m 160° south of 00pt. The low magnetics are coincident with low calcium in the soils.

In summary geological evaluation of all anomalies was difficult but disappointing. All E.M. anomalies could result from ground water/fault structures. No magnetic anomalies are demonstrated to coincide with gossanous iron formation sequences.

The soils sampled are residual and the geochemistry reflects bedrock. No significant source of polymetallic mineralization was indicated in the geochemistry.

CONCLUSIONS AND RECOMMENDATIONS

The line of lode at Plenty River appears to be an excellent magnetic target, though perhaps a relatively poor E.M. target.

The ground follow-up of the combined E.M.-magnetic anomalies did not reveal any lode horizon rocks. Soil cover was generally thin and residual in nature. The ground magnetic relief was too low to be caused by lode rocks. and where outcrop could be located, sources could plausibly be ascribed to magnetic biotite schist, a tourmaline rich magnetic rock or magnetite bearing gabbro. The geochemical results were discouraging with there only being variations in background over different rock types.

Indications are that the Big J sequence is not equivalent to the Little J and Jervois Lode sequence and no further work is recommended in the area based on this exploration approach.

REFERENCE

Marjoribanks, R.W., 1984. Exploration on the Plenty River Joint Venture Area. Annual Report for 1983. Anaconda Australia Inc. unpublished report.

Table 1 Jervois Joint Venture

E.M. Anomaly Evaluation

Anomaly	Action	Conclusions
JC 1	Photo interp. not field	Fault zone, E.M. only.
JC 2	Photo int. not field	? Terrain clearance E.M.& mag.
JC 3	Photo int. not field	Deep cover, extension to JC6.
JC 4	Photo int. not field	In granite cf JC5, JC9, JC15.
JC 5	" " " "	" " " " " "
JC 6	Field inspect.	Fault breccia E.M. only.
JC 7	Photo interp.	In granite E.M. only.
JC 8	Photo interp.	In granite E.M. only.
JC 9	Photo interp.	Dark pattern in granite ? dyke
JC10	Field check mag. traverse	Alluvium, source unknown, on strike with tourmaline rocks and epidosites.
JC11	" " " "	" " " "
JC12	" " " "	" " " "
JC13	Field check	No outcrop. Within granite, c.f. JC9.
JC14	Photo interp. only	Parallel to qtz vein/fault in granite.
JC15	Soil sample line Samples 031 - 042	Near contact of granite and greenstones possibly on strike with JC25.
JC16	Mag. & E.M. line Mag. and soil sampled 012 - 030	Below large hill of granodiorite good mag. anomaly.
JC17	Not visited.	Internal to gabbro.
JC18	Short mag. traverse only	Mag. and E.M. anom. magnetic altered gabbro located.
JC19	Mag. traverse rocks 180, 181	Mag.(low) and E.M, mag. source probably weak B.I.F. E.M. probably swamp.
JC20	Field visit and mag line	E.M. & mag. probably drainage anom.
JC21	Mag. and soil line 126 - 136	Mag.& E.M., no source visible.
JC22	Not visited	Featureless plain (E.M.& mag.)
JC23	Field check, soil line 160 - 166	E.M. only.On contact, calcrete rise and alluvium. Probably swamp.

Anomaly	Action	Conclusions
JC24	Field check, mag. and soil line 167 - 179	E.M. & mag. comparable to JC25 Probable residual soils.
JC25	Rock and soil sampled 043 - 091. mag. line	E.M. & mag. possibly swamp anomaly.
JC26	Mag. & soil 1 - 11, 137 - 147	E.M. & mag.

APPENDIX

ROCK, SOIL AND STREAM GEOCHEMISTRY DESCRIPTIONS AND RESULTS

[redacted] T Tourmaline ROCK

03-Jun-83 13:21 ANACONDA Australia Inc. Page 1

JERVOIS - ROCK CHIP/SOIL/SEDIMENT SAMPLES

BATCH ASSAY REPORT 1 : Geologist 530 R.MARJORIBANKS Project 9002 BATCH H00805
(Selected Elements) SDF # H00559

		SAMPLE ID	Au	AuCHK1	Ag	Cu	Pb	Zn	As	Bi	Ni	Co
Bellbird	IF	530 376	0.032	0.025	4	6380	138	298	<1	115	71	126
Bellbird	IF	530 377	0.067	0.064	2	2190	205	96	69	313	56	39
Bellbird	IF	530 378	0.137	0.122	10	3.48%	228	361	2	11	77	135
Bellbird-Rockhole	IF	530 379	<0.010		7	1170	1.70%	4430	<1	254	45	89
Rockhole	IF	530 380	<0.010		<1	99	115	233	2	24	75	54
Rockhole	IF	530 381	0.015		1	1640	64	160	2	22	59	61
Rockface-Rockhole	IF	530 382	<0.010		4	423	56	513	10	22	67	85
Rockface	IF	530 383	<0.010		2	3290	164	257	<1	80	108	96
Rockface	IF	530 384	0.125	0.135	7	3610	113	302	<1	104	86	138
Ditto. SW-Rockface	IF	530 385	<0.010		1	348	38	117	1	16	65	65
Ditto	IF	530 386	<0.010		<1	618	45	138	<1	80	60	64
Reward-Nth	IF	530 387	<0.010		1	70	169	584	3	8	45	36
Ditto	IF	530 388	<0.010		3	8850	57	203	<1	21	64	44
Ditto	IF	530 389	0.272	0.366	4	1790	93	453	<1	132	50	61
Ditto	IF	530 390	0.272	0.270	16	2.49%	339	559	1	649	75	96
Ditto	IF	530 391	<0.010		1	749	103	359	<1	12	56	25
Railbird W	CS	530 392	<0.010		<1	89	35	964	2	73	45	26
Ditto	CS	530 393	<0.010		1	917	207	469	1	51	64	48
Wot Rockface	IF	530 394	0.044	0.038	23	9.24%	181	723	1	<1	89	85
Killara	IF	530 395	<0.010		<1	956	100	200	<1	46	44	86
Killara	IF	530 396	<0.010		<1	82	29	107	<1	2	121	51
	T	530 397	<0.010		1	1070	80	229	2	65	60	92
	IF	530 398	<0.010		<1	155	46	229	<1	55	62	67
Reward Lode Nth	IF	530 399	0.010		96	7690	3140	818	2	1	66	34

9:23 ANACONDA Australia Inc. Page 1

JERVOIS - ROCK CHIP/SOIL/SEDIMENT SAMPLES

PORT 1 : Geologist 530 R.MARJORIBANKS Project 9002 BATCH H00805
ents) SDF # H00559

	Fe	Ca	Mg	Al	Cr	Mn	Ti	V	Ba	Sr	Sb
	11.9%	584	1.54%	4.87%	72	2780	2310	57	137	21	1
	20.9%	361	440	1.11%	66	215	896	29	144	32	2
	10.6%	379	2690	2.93%	52	2380	1450	32	97	38	1
	25.6%	3.43%	9020	2.16%	44	3.65%	736	86	17	7	3
	7.12%	2220	9280	3.19%	117	676	4060	69	133	46	2
	7.84%	459	8150	5.37%	96	981	3380	71	607	40	1
	15.3%	697	1520	3.96%	74	2.89%	2080	79	1650	51	1
	11.7%	888	1.51%	7.68%	104	2420	3400	78	405	23	1
	12.7%	624	5800	4.83%	81	6090	2590	54	371	30	2
	11.2%	484	9620	6.26%	94	1630	3280	64	432	20	1
	12.1%	1160	9910	6.09%	84	1150	3820	67	399	30	1
	2.51%	10.1%	2.65%	3.06%	67	1.13%	769	56	87	57	3
	10.9%	2370	1.09%	6.08%	74	4330	2380	76	576	35	1
	17.1%	635	3.19%	3.16%	56	1740	1350	60	156	26	1
	16.5%	745	1.42%	3.96%	59	2140	1850	67	298	51	1
	2.26%	4.55%	2.50%	5.86%	44	1320	1250	48	422	79	2
	1.32%	11.7%	2.66%	5.95%	44	3730	682	37	221	112	13
	11.4%	2130	8190	5.58%	87	2550	2510	70	408	73	2
	12.8%	2520	6200	4.25%	65	1470	2010	64	291	50	3
	20.4%	328	4690	2.52%	52	1100	1180	26	153	20	1
	7.41%	3050	1.15%	4.36%	114	421	3120	104	255	48	1
	17.2%	397	1.16%	4.86%	67	2500	1720	56	161	10	1
	18.4%	1150	8340	4.70%	82	680	1990	63	455	31	41
	[illegible]	1870	[illegible]	7.16%	94	1.67%	3450	81	3240	29	5

03-Jun-83 13:22 AMACONDA Australia Inc. Page 2

JERVOIS - ROCK CHIP/SOIL/SEDIMENT SAMPLES

BATCH ASSAY REPORT 1 : Geologist 530 R.MARJORIBANKS Project 9002 BATCH H00805
(Selected Elements) SDF # H00559

		SAMPLE ID	Au	AuCHK1	Ag	Cu	Pb	Zn	As	Bi	Ni	Co
Rowan Creek NTH	IF	530 400	<0.010		1	146	158	275	3	12	51	37
"	IF	530 401	<0.010		3	183	683	1110	5	14	61	49
"	IF	530 402	<0.010		7	764	165	1290	<1	134	66	72
Pioneer B.	CS	530 403	<0.010		2	743	51	401	<1	69	63	35
"	CS	530 404	0.015	<0.010	<1	349	32	316	<1	22	119	45
"	CS	530 405	<0.010		<1	59	43	100	<1	12	67	35
"	CS	530 406	<0.010		<1	208	36	109	<1	15	69	35
Pioneer A	IF	530 407	0.020	<0.010	3	5480	306	159	1	249	48	109
"	IF	530 408	<0.010		1	1020	76	118	<1	33	75	57
"	T	530 409	<0.010		1	52	43	170	<1	25	114	58
	IF	530 410	0.049	0.045	26	1.62%	393	203	1	330	88	89
	IF	530 411	<0.010		<1	606	42	72	1	41	41	53
	IF	530 412	0.015		2	1.13%	46	153	1	47	55	56
	T	530 413	<0.010		<1	129	32	95	1	30	63	30
	IF	530 414	<0.010		<1	270	32	251	<1	12	153	102
	Soil.	530 415	<0.010		<1	26	22	64	<1	<1	67	16
Cu stain Gm		530 416	0.114	0.148	6	16.4%	219	1060	<1	3	56	23
Chl. Sch.	G	530 417	<0.010		<1	479	43	410	4	1	70	40
	CS	530 418	<0.010		1	122	66	120	<1	3	89	14
J.W.GREEN	CS	530 419	<0.010		13	6460	214	139	<1	22	73	12
Qtz mag	IF	530 420	<0.010		1	71	59	96	35	25	66	32
Qtz mag	IF	530 421	<0.010		1	53	64	110	17	40	70	63
Mag. bleg		530 422	<0.010		1	116	143	330	<1	43	475	314
	IF	530 423	<0.010		1	39	38	127	<1	3	124	50

3:23 AMACONDA Australia Inc. Page 2

JERVOIS - ROCK CHIP/SOIL/SEDIMENT SAMPLES

EPORT 1 : Geologist 530 R.MARJORIBANKS Project 9002 BATCH H00805
ment(s) SDF # H00559

	Fe	Ca	Mg	Al	Cr	Mn	Ti	V	Ba	Sr	Sb
	8.56%	1060	2040	4.90%	86	1.02%	3050	78	2800	40	1
	5.68%	2040	2900	5.68%	95	3.05%	3010	89	2950	49	<1
	7.31%	1.22%	6890	3.55%	116	8.44%	2280	121	299	29	1
	2.04%	17.4%	1.11%	4.06%	61	2080	1690	45	113	142	5
	5.00%	3.21%	1.82%	7.65%	98	2250	3380	90	393	117	<1
	4.49%	1.35%	9800	6.31%	110	723	3710	82	506	87	<1
	4.56%	1.39%	8530	5.95%	100	640	3630	92	608	84	<1
	8.51%	475	9080	3.83%	82	1720	1650	52	357	34	<1
	9.79%	1250	5850	5.17%	91	753	2630	53	366	36	<1
	11.6%	3810	9550	4.16%	141	467	3120	129	188	53	<1
	8.10%	425	7320	4.52%	94	969	2170	61	362	213	<1
	17.5%	3950	3480	3.65%	72	740	1660	44	647	70	1
	11.6%	303	7940	4.18%	85	563	2030	75	633	197	1
	4.10%	2320	1.03%	3.72%	114	281	1590	60	189	81	<1
	13.1%	1470	2.51%	5.92%	224	2740	4460	179	281	10	1
	2.03%	2320	3510	4.10%	51	399	2620	54	294	59	1
	2.03%	9890	2580	8400	96	298	380	116	62	25	<1
	5.22%	888	1.42%	8.25%	104	1300	3600	141	1160	33	2
	1.71%	1.14%	1940	5.60%	54	638	1030	21	864	70	2
	1.03%	1.67%	3720	4.94%	69	465	876	20	875	98	2
	26.6%	1.28%	1550	1.54%	65	2.04%	549	46	769	51	3
	28.6%	1.12%	2160	1.80%	68	1.52%	907	44	602	30	2
	32.0%	1750	7080	1.40%	282	1690	5.63%	5790	35	5	2
	6.01%	8180	1.10%	6.86%	137	714	5910	324	1150	84	2

03-Jun-83 13:22 ANACONDA Australia Inc. Page 3

JERVOIS - ROCK CHIP/SOIL/SEDIMENT SAMPLES

BATCH ASSAY REPORT 1 : Geologist 530 R.MARJORIBANKS Project 9002 BATCH H00805
(Selected Elements) SDF # H00560

		SAMPLE ID	Au	AuCHK1	Ag	Cu	Pb	Zn	As	Bi	Ni	Co
Banded ch. mag.	IF	530 424	<0.010		<1	108	114	116	<1	26	61	50
	IF	530 425	<0.010		1	1670	66	296	1	91	111	175
Cox's Lode	IF	530 426	0.044	0.045	13	3.06%	87	296	1	56	74	53
Cox's Lode	IF	530 427	<0.010		1	1280	22	26	<1	17	7	7
Gabbro.		530 428	<0.010		<1	868	35	132	<1	7	173	130
Magnetite bleg		530 429	<0.010		<1	194	111	256	<1	10	233	172
Mag. bleg with CuO_3		530 430	0.015		<1	2240	133	318	4	75	313	322
~~Bello~~	CS/IF	530 431	<0.010		2	800	72	258	<1	36	90	49
	T	530 432	<0.010		<1	126	19	60	<1	<1	75	32
	IF	530 433	<0.010		<1	147	51	163	<1	4	126	73
Wards W.	CS	530 434	<0.010		<1	78	20	110	<1	2	183	78
"	CS	530 435	0.049	0.032	<1	22	51	60	<1	17	60	24
"	CS	530 436	<0.010		<1	55	26	164	<1	12	67	29
"	CS	530 437	0.015		5	9460	59	213	1	146	57	23
BONYA Ch. mag	IF	530 438	<0.010		3	65	59	88	15	19	77	61
" ch. mag	IF	530 439	<0.010		1	124	30	126	2	1	124	82
" Tashkent	CS	530 440	0.026		<1	168	64	188	1	131	67	32
" Skarn Kricho	CS	530 441	0.667	0.051	5	6526	52	226	1	724	62	26
" Tourm sch.	T	530 442	<0.010		1	42	29	111	<1	14	49	32
" Q-mag-tour	T	530 443	<0.010		3	33	49	88	26	19	88	63

		Fe	Ca	Mg	Al	Cr	Mn	Ti	V	Ba	Sr	Sb
Banded ch. mag.	IF	24.2%	322	456	5200	77	279	985	85	89	9	1
	IF	29.5%	1300	7210	2.73%	65	3080	1310	78	245	57	2
Cox's Lode	IF	11.7%	389	2530	3.65%	81	640	1640	46	155	18	3
Cox's Lode	IF	1.32%	108	477	1.17%	100	94	393	12	75	5	1
Gabbro.		9.94%	6.16%	2.50%	6.42%	50	1390	1.33%	987	97	114	2
Magnetite bleg		16.8%	2.00%	1.51%	3.94%	69	2120	2.64%	2490	171	69	2
Mag. bleg with CuO_3		31.1%	724	9480	1.47%	123	1990	5.94%	4360	133	<5	2
~~Bello~~	CS/IF	10.4%	4.52%	3620	4.13%	89	1740		108	658	175	3
	T	4.42%	2700	1.43%	5.57%	109	197	2610	145	86	84	4
	IF	6.83%	4.18%	2.34%	6.67%	144	1660	5780	266	245	192	3
Wards W.	CS	6.21%	3.91%	2.98%	7.78%	126	3040	4870	192	229	146	1
"	CS	2.85%	7.91%	4210	4.46%	81	4540	1410	89	48	213	2
"	CS	3.31%	4.27%	1.03%	4.20%	64	6410	1030	86	253	96	1
"	CS	3.52%	4.03%	5890	6.54%	69	4180	520	40	385	81	41
BONYA Ch. mag	IF	20.6%	2.60%	4140	3.24%	69	2.81%	1380	93	268	61	3
" ch. mag	IF	7.78%	4.41%	2.59%	6.47%	132	2450	5310	252	145	87	3
" Tashkent	CS	2.93%	14.4%	5990	5.44%	81	2690	1690	58	191	64	12
" Skarn Kricho	CS	3.37%	10.8%	3920	5.34%	85	5230	1080	47	238	104	3
" Tourm sch.	T	3.88%	4880	7320	5.24%	67	9590	3010	77	506	45	2
" Q-mag-tour	T	13.5%	3.42%	8910	3.89%	105	4.25%	1750	85	463	71	1

03-Jun-83 13:24 ANACONDA Australia Inc. Page 1

JERVOIS - ROCK CHIP/SOIL/SEDIMENT SAMPLES

BATCH ASSAY REPORT 1 : Geologist 530 R.MARJORIBANKS Project 9002 BATCH H00806
(Selected Elements) SDF # H00561

	SAMPLE ID	Au	AuCHK1	Ag	Cu	Pb	Zn	As	Ni	Co	Mn
Bonya Valley T	530 444	<0.010		<1	11	44	96	1	67	36	2720
" CS 1F	530 445	<0.010		5	16	67	95	17	67	75	7.62%
" high alt. chert	530 446	<0.010		<1	21	34	64	<1	76	41	1130
" Wh-mag 1F	530 447	<0.010		<1	46	45	107	9	39	62	3990
" Soil.	530 448	<0.010		<1	140	29	98	<1	55	27	910
" CS 1F	530 449	<0.010		<1	22	30	239	<1	59	50	7480
" CS	530 450	<0.010		<1	239	63	77	3	59	47	1590
GREEN PARROT D.C.	530 451	0.137	0.161	155	1.16%	7.90%	1.13%	<1	27	272	5.70%
" " "	530 452	0.049	0.051	376	11.2%	9.67%	5.45%	<1	67	84	3.40%
Mill Concentrate.	530 453	1.29	2.42	670	7650	8.87%	8910	2	29	46	1.66%
Ex Soft rewash 1F	530 454	<0.010		1	544	1110	360	<1	75	45	646
" 1F	530 455	<0.010		1	1890	3700	226	6	54	53	2250
" 1F	530 456	<0.010		<1	123	204	186	<1	63	46	776
" 1F	530 457	<0.010		<1	279	191	177	<1	59	67	996
" 1F	530 458	<0.010		<1	208	194	188	2	40	140	426
" 1F	530 459	<0.010		<1	2600	97	187	1	101	82	933
" 1F	530 460	<0.010		<1	227	79	165	4	59	95	444
" 1F	530 461	<0.010		<1	261	72	118	2	64	278	1090
"	530 462	<0.010		<1	72	100	212	2	50	107	484
SYKES	530 463	0.278	0.392	18	8.69%	374	705	<1	71	283	4170
"	530 464	0.326		<1	3300	118	177	<1	34	294	1220
"	530 465	0.061	0.064	1	1.35%	240	418	<1	54	238	4000
" 1F	530 466	<0.010		<1	4460	45	176	<1	65	64	964
" 1F	530 467	0.067	0.116	9	1450	3430	868	-	68	92	3.46%

03-Jun-83 13:24 ANACONDA Australia Inc. Page 1

JERVOIS - ROCK CHIP/SOIL/SEDIMENT SAMPLES

BATCH ASSAY REPORT 1 : Geologist 530 R.MARJORIBANKS Project 9002 BATCH H00806
(Selected Elements) SDF # H00561

SAMPLE ID	Fe	Ca	Mg	Al	Cr	V	Ti	Ba	Sr	Sb
530 444	4.10%	3080	1.04%	7.04%	87	57	2900	1110	54	<1
530 445	11.6%	3.56%	1.20%	5.17%	158	118	1950	181	52	4
530 446	4.60%	3030	1.24%	7.81%	164	69	3800	350	37	2
530 447	25.7%	7390	4650	1.72%	56	36	644	94	23	<1
530 448	4.27%	2320	7240	5.63%	93	67	3280	366	60	<1
530 449	8.24%	4760	1.32%	4.27%	74	64	1800	324	48	3
530 450	5.06%	8.19%	8120	5.38%	203	145	6300	74	690	5
530 451	10.2%	3620	5930	9890	25	75	319	1580	18	18
530 452	9.56%	1.33%	9470	2200	19	59	64	208	15	7
530 453	1.79%	1.53%	1180	9750	42	29	414	478	69	13
530 454	6.94%	528	9660	7.48%	111	72	3680	785	32	2
530 455	8.99%	1610	1.14%	4.89%	83	58	2180	531	323	3
530 456	9.92%	5780	8410	5.71%	120	65	2570	527	49	2
530 457	15.5%	3660	1.03%	4.47%	86	59	1880	423	30	1
530 458	29.8%	392	3110	1.50%	49	30	640	104	22	4
530 459	22.2%	696	1.09%	2.51%	49	59	1720	142	42	<1
530 460	31.4%	468	3970	1.29%	52	37	917	33	21	2
530 461	22.9%	874	5290	1.98%	70	34	1250	80	19	1
530 462	33.8%	371	3830	1.15%	38	39	733	70	14	<1
530 463	20.7%	519	4260	1.72%	34	27	481	59	31	3
530 464	17.4%	705	3420	2.29%	59	19	578	15	7	3
530 465	20.6%	1780	8270	3.84%	47	30	923	50	17	5
530 466	10.4%	2290	1.35%	5.20%	89	78	2180	395	20	2
530 467	12.5%	3160	2540	3.06%	74	75	1760	996	30	2

03-Jun-83 13:24 ANACONDA Australia Inc. Page 2

JERVOIS - ROCK CHIP/SOIL/SEDIMENT SAMPLES

BATCH ASSAY REPORT 1 : Geologist 530 R.MARJORIBANKS Project 9002 BATCH H00806
(Selected Elements) SDF # H00562

		SAMPLE ID	Au	AuCHK1	Ag	Cu	Pb	Zn	As	Ni	Co	Mn	Fe	Ca	Mg	Al	Cr	V	Ti	Ba	Sr	Sb
GREEN PARROT W	CS	530 468	0.026		<1	712	88	383	<1	64	42	2820	3.04%	8.20%	1.02%	4.64%	153	37	2570	104	67	4
"	CS	530 469	<0.010		<1	79	75	226	<1	60	42	2140	3.57%	9.49%	8060	5.00%	126	37	2940	70	153	2
"	CS	530 470	<0.010		<1	45	63	884	<1	62	61	6550	2.90%	11.7%	3.35%	2.87%	55	57	733	65	106	2
"	CS	530 471	0.055	0.051	3	2090	90	904	4	49	38	2830	2.73%	12.7%	1.08%	5.80%	96	50	2040	244	91	8
METROCARB CORE MIN. KENARD ZONE	IF	530 472	0.032		2	2600	498	980	7	47	609	2.95%	14.6%	8.28%	2500	6240	89	41	185	27	5	2
"	IF	530 473	0.260	0.398	10	1.98%	471	379	4	87	265	3300	15.9%	3680	8100	3.60%	99	50	1790	127	10	<1
"	IF	530 474	0.160	0.225	40	3.47%	1300	2410	6	60	464	6980	24.8%	2.75%	5380	8250	43	48	171	11	6	2
"	IF	530 475	0.049		118	6470	6650	1.07%	4	38	85	8.19%	3.40%	12.3%	1.22%	4350	44	93	58	794	379	<1
"	IF	530 476	0.633	0.747	22	2.62%	659	669	<1	52	180	3190	18.6%	3570	3410	1.54%	66	31	701	126	9	3
"	IF	530 477	1.27	1.28	20	3.50%	695	4870	1	36	147	8430	16.7%	2630	2680	1.86%	80	36	778	87	11	1
"	IF	530 478	1.02	0.985	22	2.86%	230	587	1	47	144	5760	10.2%	5890	5710	3.13%	107	33	1190	101	14	1
"	IF	530 479	0.026		<1	2640	75	305	<1	60	140	4420	13.3%	4080	1.37%	5.12%	126	36	1970	73	<5	3

3:25 ANACONDA Australia Inc. Page 2

JERVOIS - ROCK CHIP/SOIL/SEDIMENT SAMPLES

EPORT 1 : Geologist 530 R.MARJORIBANKS Project 9002 BATCH H00806
ents) SDF # H00562

JERVOIS STREAM SILT SAMPLES

BATCH ASSAY REPORT 1 : Geologist 641 G.D. HODGSON Project 9002 BATCH H00807
(SELECTED ELEMENTS) SDF # H00563

SAMPLE ID	Au (READ 1)	Au (READ 2)	Au (AVG)	As (CONF)	Ag (CONF)	Cu (CONF)	Pb (CONF)	Zn (CONF)	Ni (CONF)	Co (CONF)	Mn (CONF)
641 1001A	<0.030		<0.030	10	<1	28	54	1[illegible]	78	32	828
641 1001B	<0.030	<0.030	<0.030	10	<1	29	52	106	67	27	736
641 1001C	<0.030		<0.030	4	<1	19	39	92	49	18	363
641 1001M	0.031	<0.030	<0.030	7	<1	108	57	[illegible]05	74	33	896
641 1002A	<0.030		<0.030	5	<1	75	52	[illegible]6	86	35	1140
641 1002B	<0.030		<0.030	3	<1	28	37	58	41	16	481
641 1002C	<0.030		<0.030	1	<1	16	25	43	26	8	200
641 1002M	<0.030	<0.030	<0.030	2	<1	52	42	70	56	26	670
641 1003A	<0.030		<0.030	<1	<1	98	46	87	96	45	1400
641 1003B	<0.030		<0.030	2	<1	74	40	64	76	37	1510
641 1003C	<0.030		<0.030	1	<1	32	27	37	43	18	590
641 1003M	<0.030		<0.030	4	<1	98	60	96	76	38	945
641 1004A	<0.030		<0.030	4	<1	82	52	76	61	27	882
641 1004B	<0.030	<0.030	<0.030	3	<1	63	52	72	52	21	828
641 1004C	0.031		0.031	2	<1	31	29	36	32	10	315
641 1004M	<0.030		<0.030	2	<1	97	46	78	85	42	1070
641 1005A	<0.030		<0.030	2	<1	138	68	[illegible]8	88	44	3020
641 1005B	<0.030		<0.030	4	<1	83	50	[illegible]0	62	29	2080
641 1005C	<0.030		<0.030	2	<1	44	34	[illegible]6	40	17	775
641 1005M	<0.030	0.045	<0.030	2	<1	113	62	[illegible]	106	51	1210
641 1006A	<0.030		<0.030	2	<1	227	[illegible]1	19[illegible]	59	28	3340
641 1006B	<0.030		<0.030	<1	<1	162	[illegible]0	1[illegible]8	50	20	2430
641 1006C	<0.030		<0.030	1	<1	94	[illegible]7	[illegible]2	33	11	781
641 1006M	<0.030		<0.030	1	<1	216	[illegible]12	2[illegible]1	74	38	2310

JERVOIS STREAM SILT SAMPLES

PORT 1 : Geologist 641 G.D. HODGSON Project 9002 BATCH H00807
ENTS) SDF # H00563

SAMPLE ID	Cr (CONF)	V (CONF)	Fe (CONF)	Ca (CONF)	Mg (CONF)	Al (CONF)	Ti (CONF)	Ba (CONF)	Sr (CONF)	Mo (CONF)	U (CONF)
641 1001A	93	103	5.17%	1190	7580	6.91%	3800	407	53	<10	<15
641 1001B	91	96	4.72%	1180	6850	6.46%	3560	390	53	<10	<15
641 1001C	51	67	2.91%	962	4710	5.02%	2680	337	46	<10	<15
641 1001M	100	103	6.71%	1430	6230	5.96%	3870	414	49	<10	<15
641 1002A	119	94	5.88%	1960	8510	7.08%	3510	512	39	<10	<15
641 1002B	68	46	2.37%	1640	3160	3.81%	1970	317	36	<10	<15
641 1002C	24	32	1.44%	1140	1600	2.78%	1450	270	33	<10	<15
641 1002M	84	77	6.17%	1450	3720	4.02%	4550	341	36	<10	<15
641 1003A	141	97	6.82%	583	1.02%	8.58%	3850	677	30	<10	<15
641 1003B	97	68	4.70%	810	7300	6.23%	2800	483	29	<10	<15
641 1003C	40	42	2.44%	691	3770	4.10%	1900	350	26	<10	<15
641 1003M	127	119	11.2%	1150	4360	5.12%	3990	423	32	<10	<15
641 1004A	80	67	4.45%	905	4220	4.92%	2150	429	34	<10	<15
641 1004B	98	54	3.40%	1190	3410	4.36%	1880	372	31	<10	<15
641 1004C	26	34	1.79%	886	1880	3.12%	1310	284	27	<10	<15
641 1004M	128	107	9.43%	711	7560	7.19%	4390	555	30	<10	<15
641 1005A	122	99	7.26%	825	8940	7.92%	3600	659	39	<10	<15
641 1005B	111	67	4.48%	793	5860	6.01%	2610	490	34	<10	<15
641 1005C	37	43	2.46%	607	3410	4.34%	1900	360	28	<10	<15
641 1005M	175	195	18.2%	779	5290	5.50%	3460	443	33	<10	<15
641 1006A	74	54	4.07%	2210	5660	6.05%	1770	624	26	<10	<15
641 1006B	98	43	2.92%	2610	4570	5.09%	1440	490	25	<10	<15
641 1006C	20	29	1.58%	1440	3190	3.91%	1010	357	21	<10	<15
641 1006M	94	94	9.49%	2530	5960	6.31%	2720	552	32	<10	<15

10-Apr-84 15:09 ANACONDA Australia Inc. Page 1

JERVOIS SIEVED SOILS

BATCH ASSAY REPORT 1 : Geologist 210 A.D.BUERGER. Project 8322 BATCH H01658
(SELECTED ELEMENTS) SDF # H01978

SAMPLE ID		EAST DESC	Ni (CONF)	Cu (CONF)	Co (CONF)	Zn (CONF)	Mn (CONF)
210	1	200. MAG READING 52458 BEARING 70°	23	11	6	20	118
210	2	180. MR 2599	29	12	8	22	136
210	3	160. MR 2785	42	18	11	32	164
210	4	140. MR 2791	38	21	11	25	158
210	5	120. MR 2978	37	16	11	24	156
210	6	100. MR 3131	35	19	11	25	172
210	7	80. MR 3037	35	17	10	25	162
210	8	60. MR 2844	32	16	10	24	157
210	9	40. MR 2739	27	14	8	23	170
210	10	20. MR 2663	23	11	6	18	140
210	11	MR 2588	30	12	9	20	152
210	12	240. MR 3118 BEARING 0°	27	12	8	20	180
210	13	220. MR 3076	26	11	8	20	176
210	14	200. MR 3007	32	15	10	25	227
210	15	180. MR 2931	29	13	9	22	189
210	16	160. MR 2966	35	14	9	24	185
210	17	140. MR 2929	30	13	9	22	179
210	18	120. MR 2889	35	13	10	21	173
210	19	100. MR 2887	32	12	10	22	151
210	20	80. MR 2877	31	13	8	22	164
210	21	60. MR 2893	33	15	10	26	217
210	22	40. MR 2920	35	14	9	29	227
210	23	20. MR 2932	40	13	<5	32	190
210	24	c MR 2885/2870	32	11	6	27	176

11 ANACONDA Australia Inc. Page 1

JERVOIS SIEVED SOILS

JRT 1 : Geologist 210 A.D.BUERGER. Project 8322 BATCH H01658
NTS) SDF # H01978

Cr (CONF)	Pb (CONF)	V (CONF)	Fe (CONF)	Ca (CONF)	Mg (CONF)	Al (CONF)	Ti (CONF)	Ba (CONF)	Sr (CONF)
22	21	44	1.45%	1060	1490	2.97%	2290	281	40
30	19	51	1.70%	1080	1930	3.09%	2660	293	39
40	26	67	2.35%	1820	3170	4.36%	3330	302	47
34	22	60	2.03%	1350	2620	3.89%	3050	295	45
34	25	62	2.11%	998	2150	4.09%	3080	291	47
34	24	61	2.07%	1140	2360	4.06%	2990	312	48
31	22	61	2.00%	1170	2430	3.98%	2960	306	47
29	23	59	1.88%	1020	2120	3.84%	2820	302	47
23	21	52	1.64%	849	1540	3.32%	2660	287	43
21	20	48	1.51%	940	1370	3.10%	2470	286	44
26	22	53	1.65%	812	1490	3.39%	2650	279	44
24	21	47	1.52%	1130	1410	3.14%	2600	282	47
23	21	44	1.43%	1080	1350	3.01%	2480	283	46
30	25	56	1.85%	1120	1690	3.84%	3020	278	52
27	24	51	1.66%	1050	1530	3.48%	2720	277	49
28	25	55	1.78%	990	1640	3.70%	3000	274	50
29	26	52	1.71%	1040	1560	3.57%	2750	271	48
29	24	51	1.66%	1020	1500	3.47%	2810	267	47
29	24	48	1.58%	1180	1500	3.21%	2840	275	46
25	24	46	1.55%	1320	1570	3.17%	2600	283	46
28	24	46	1.61%	1590	1740	3.28%	2670	298	48
26	27	47	1.70%	1700	1850	3.44%	2840	310	49
21	21	43	1.61%	1840	1720	3.24%	2800	301	46
19	21	41	1.51%	1630	1540	3.09%	2580	289	42

28-Jul-83 09:34 ANACONDA Australia Inc. Page 2

JERVOIS STREAM SILT SAMPLES

BATCH ASSAY REPORT 1 : Geologist 641 G.D. HODGSON Project 9002 BATCH H00807
(SELECTED ELEMENTS) SDF # H00563

SAMPLE ID	Au (READ 1)	Au (READ 2)	Au (AVG)	As (CONF)	Ag (CONF)	Cu (CONF)	Pb (CONF)	Zn (CONF)	Ni (CONF)	Co (CONF)	Mn (CONF)
641 1007A	<0.030		<0.030	4	<1	880	2[illegible]	2[illegible]6	73	41	3320
641 1007B	<0.030	<0.030	<0.030	1	<1	553	[illegible]0	1[illegible]4	50	22	1630
641 1007C	<0.030		<0.030	<1	<1	243	45	[illegible]9	32	14	675
641 1007M	<0.030		<0.030	2	<1	576	93	167	72	39	1590

:35 ANACONDA Australia Inc. Page 2

JERVOIS STREAM SILT SAMPLES

PORT 1 : Geologist 641 G.D. HODGSON Project 9002 BATCH H00807
ENTS) SDF # H00563

SAMPLE ID	Cr (CONF)	V (CONF)	Fe (CONF)	Ca (CONF)	Mg (CONF)	Al (CONF)	Ti (CONF)	Ba (CONF)	Sr (CONF)	Mo (CONF)	U (CONF)
641 1007A	115	71	5.64%	2630	7510	6.66%	2300	644	30	<10	<15
641 1007B	70	44	2.85%	2170	4390	4.63%	1530	436	27	<10	<15
641 1007C	24	31	1.77%	1410	2670	3.34%	1190	313	25	<10	<15
641 1007M	314	98	10.1%	1530	5390	4.91%	4160	450	31	<10	<15

JERVOIS SIEVED SOILS

BATCH ASSAY REPORT 1 : Geologist 210 A.D.BUERGER. Project 8322 BATCH H01658
(SELECTED ELEMENTS) SDF # H019/9

SAMPLE ID	EAST DESC	Ni (CONF)	Cu (CONF)	Co (CONF)	Zn (CONF)	Mn (CONF)	Cr (CONF)	Pb (CONF)	V (CONF)	Fe (CONF)	Ca (CONF)	Mg (CONF)	Al (CONF)	Ti (CONF)	Ba (CONF)	Sr (CONF)
210 25	20S. MR 3024	32	11	5	26	186	23	20	42	1.54%	1620	1530	3.06%	2720	297	44
210 26	40S. MR 3006	31	11	<5	27	206	18	21	41	1.53%	1740	1610	3.15%	2560	308	44
210 27	60S. MR 2803	29	12	<5	28	216	18	21	41	1.58%	1900	1590	3.14%	2690	313	44
210 28	80S. MR 2925	29	13	<5	27	167	19	21	44	1.67%	1670	1670	3.36%	2800	309	47
210 29	100S. MR 2674 POSS. CONTACT	29	12	<5	25	169	19	21	44	1.59%	1570	1620	3.24%	2680	306	45
210 30	120S. MR 2367	33	11	<5	25	168	19	21	44	1.60%	1540	1590	3.19%	2750	298	44
210 31	0. BEARING 196°	43	26	9	34	270	38	70	78	2.31%	2060	3020	4.67%	3420	252	58
210 32	25.	40	26	8	29	231	35	25	76	2.29%	1690	2610	4.64%	3370	248	55
210 33	50.	40	38	9	30	260	36	24	73	2.20%	1810	2580	4.26%	3350	257	53
210 34	75.	36	22	8	26	205	29	26	65	1.99%	1230	1920	4.35%	3070	256	51
210 35	100.	41	24	11	29	286	30	26	69	2.21%	2070	3010	4.35%	3220	262	53
210 36	125.	35	23	9	28	206	34	32	66	2.01%	1630	2380	4.28%	3120	255	54
210 37	150.	30	22	6	22	167	27	29	59	1.77%	1070	1610	4.06%	2860	261	48
210 38	175.	31	15	7	24	184	26	25	57	1.75%	1230	1890	3.78%	2840	271	50
210 39	200.	34	17	6	26	190	28	25	60	1.81%	1540	2250	3.82%	2860	272	53
210 40	225.	30	16	7	25	182	30	25	55	1.66%	1860	2010	3.47%	2600	263	54
210 41	250.	33	18	7	26	189	30	25	60	1.86%	1190	2050	3.95%	3020	270	51
210 42	275. GRANITE	34	15	6	20	172	27	26	58	1.73%	1010	1550	3.86%	3000	261	47
210 43	0. MR 52804 BEARING 160°	40	37	10	30	225	34	25	71	2.35%	1830	3090	4.14%	3230	273	46
210 44	20. MR 52668	36	24	11	26	212	31	25	65	2.09%	1570	2870	3.85%	2960	274	44
210 45	40. MR 787	46	32	13	34	288	31	22	80	2.47%	4250	5740	4.10%	3260	273	47
210 46	60. MR 595	43	28	11	30	209	37	25	74	2.49%	1310	2960	4.07%	3660	277	45
210 47	80. MR 786	45	41	14	32	271	38	26	90	2.69%	2630	3980	4.03%	3820	260	51
210 48	100. MR 638	35	42	12	30	290	31	22	75	2.17%	5330	4700	3.25%	3240	250	43

12 ANACONDA Australia Inc. Page 2

JERVOIS SIEVED SOILS

JRT 1 : Geologist 210 A.D.BUERGER. Project 8322 BATCH H01658
(TS) SDF # H019/9

JERVOIS SIEVED SOILS

BATCH ASSAY REPORT 1 : Geologist 210 A.D.BUERGER. Project 8322 BATCH H01658
(SELECTED ELEMENTS) SDF # H01981

SAMPLE	ID	EAST	DESC		Ni (CONF)	Cu (CONF)	Co (CONF)	Zn (CONF)	Mn (CONF)
210	49	120. MR	682		38	65	11	33	303
210	50	140. MR	491		41	61	13	33	174
210	51	160. MR	546		46	28	11	37	217
210	52	180. MR	419		46	27	13	41	209
210	53	200. MR	428		39	21	10	32	199
210	54	220. MR	276		31	14	7	23	164
210	55	240. MR	266		35	17	8	26	191
210	56	260. MR	232		36	18	7	24	150
210	57	280. MR	322		34	18	8	24	136
210	58	300. MR	155		35	15	7	25	145
210	59	320. MR	272		45	17	12	30	234
210	60	340. MR	388		76	33	19	58	326
210	61	360. MR	506		37	18	9	30	194
210	62	380. MR	542		33	15	7	25	178
210	63	400. MR	705		45	70	16	44	447
210	64	20. MR	53214	BEARING 340'	39	65	12	41	428
210	65	40. MR	4377		42	63	13	41	421
210	66	60. MR	3490		29	28	6	24	196
210	67	80. MR	3066		38	32	9	30	255
210	68	100. MR	3092		39	26	8	30	179
210	69	120. MR	2924		34	17	8	23	166
210	70	140. MR	3084		43	19	11	28	271
210	71	160. MR	3409	QZ BKW	42	27	12	27	210
210	72	180. MR	3616	"	39	26	9	30	231

JERVOIS SIEVED SOILS

RT 1 : Geologist 210 A.D.BUERGER. Project 8322 BATCH H01658
TS) SDF # H01981

Cr CONF)	Pb (CONF)	V (CONF)	Fe (CONF)	Ca (CONF)	Mg (CONF)	Al (CONF)	Ti (CONF)	Ba (CONF)	Sr (CONF)
31	24	75	2.18%	6230	5580	3.47%	3090	247	43
38	29	71	2.49%	1880	4200	4.66%	3260	312	47
37	27	71	2.39%	1380	2930	4.56%	3380	286	52
40	29	72	2.47%	2060	4330	4.79%	3240	291	53
34	25	66	2.22%	1170	2590	4.36%	3290	294	51
28	21	56	1.81%	1000	1840	3.65%	2910	290	46
30	26	63	2.04%	971	2010	4.22%	3030	291	51
32	24	62	2.04%	883	1840	3.95%	3150	281	48
34	22	59	1.97%	898	2010	3.87%	2900	278	45
33	23	58	1.90%	846	1880	3.66%	3050	280	43
33	23	63	2.05%	924	2170	3.89%	3360	288	45
78	44	124	4.08%	1990	4160	7.47%	6180	567	92
34	25	67	2.21%	1080	2510	4.38%	3280	301	52
29	21	61	1.98%	1010	1940	3.97%	3170	287	50
35	21	132	3.45%	7490	7530	4.63%	4420	246	50
35	23	127	3.48%	4380	4330	4.51%	4680	255	51
38	24	126	3.42%	4220	4230	4.37%	4540	247	50
24	20	62	1.88%	2230	2400	3.20%	2780	263	43
31	23	72	2.27%	2250	3130	4.04%	3080	268	49
35	25	70	2.31%	1990	3120	4.26%	3090	286	50
30	21	62	2.08%	1300	2200	3.57%	3040	279	43
37	23	72	2.41%	1380	2650	3.79%	3930	286	42
39	22	73	2.67%	1050	2740	4.25%	3720	285	42
39	26	72	2.53%	1710	3260	4.48%	3350	305	49

JERVOIS SIEVED SOILS

BATCH ASSAY REPORT 1 : Geologist 210 A.D.BUERGER. Project 8322 BATCH H01658
(SELECTED ELEMENTS) SDF # H01982

SAMPLE	ID	EAST	DESC	Ni (CONF)	Cu (CONF)	Co (CONF)	Zn (CONF)	Mn (CONF)
210	73	200. MR 3227	CALC SILIC	42	23	10	38	456
210	74	220. MR 3318	RED SOIL	36	31	10	30	241
210	75	240. MR 2875	MICA SCHIST	32	24	6	30	218
210	76	260. MR 2914		36	27	7	33	325
210	77	280. MR 2892	MICA SCHIST/PEG.	37	27	9	37	265
210	78	300. MR 3318		32	34	8	28	259
210	79	320. MR 3023	AMPHIBOLITE	45	43	13	39	302
210	80	340. MR 3177	PEGMATITE	45	29	11	41	240
210	81	360. MR 2929		44	28	11	32	223
210	82	380. MR 2811		41	25	11	33	231
210	83	400. MR 2862		49	29	12	36	271
210	84	420. MR 3148		41	27	11	32	221
210	85	440. MR 2960		36	23	10	31	246
210	86	460. MR 2941		36	25	10	34	252
210	87	480. MR 2684	CLAYEY SOIL	38	26	11	36	255
210	88	500. MR 2592		37	19	10	28	210
210	89	520. MR 2585		34	19	8	31	223
210	90	540. MR 2508	DRAINAGE ALLUVIUM	35	17	8	26	215
210	91	560. MR 2591	DRAINAGE ALLUVIUM	34	17	7	25	189

JERVOIS SIEVED SOILS

RT 1 : Geologist 210 A.D.BUERGER. Project 8322 BATCH H01658
TS) SDF # H01982

Cr (CONF)	Pb (CONF)	V (CONF)	Fe (CONF)	Ca (CONF)	Mg (CONF)	Al (CONF)	Ti (CONF)	Ba (CONF)	Sr (CONF)
40	25	72	2.58%	7260	3590	4.45%	3510	306	53
32	24	69	2.21%	2550	2910	4.01%	3210	293	46
29	18	62	2.13%	1980	2650	3.80%	3050	299	44
34	20	65	2.31%	6610	2690	4.16%	3260	306	51
34	25	70	2.40%	3230	3280	4.33%	3330	305	48
26	20	75	2.30%	3140	2570	3.52%	3200	279	46
36	24	94	2.67%	3860	4100	3.68%	3550	253	46
40	27	83	2.64%	2710	4020	4.49%	3560	263	49
36	25	76	2.36%	2740	3650	3.94%	3250	260	47
37	25	74	2.41%	2350	3410	4.13%	3330	269	48
39	26	84	2.65%	3850	4890	4.47%	3500	249	51
35	25	69	2.21%	2050	3120	4.08%	3050	275	49
33	26	67	2.14%	1480	2700	4.06%	2910	283	46
37	26	67	2.12%	1490	2520	3.95%	2930	273	50
33	28	68	2.11%	1510	2770	4.19%	3010	280	56
28	26	58	1.82%	1450	2070	3.51%	2730	270	52
29	23	60	1.88%	1430	2280	3.73%	2810	270	52
29	24	57	1.76%	1290	1920	3.43%	2740	274	48
29	23	59	1.83%	1170	1990	3.59%	2850	292	47

JERVOIS SIEVED SOILS

BATCH ASSAY REPORT 1 : Geologist 210 A.D.BUERGER. Project 8322 BATCH H01658
(SELECTED ELEMENTS) SDF # H01983

:14 ANACONDA Australia Inc. Page 5

JERVOIS SIEVED SOILS

PORT 1 : Geologist 210 A.D.BUERGER. Project 8322 BATCH H01658
ENTS) SDF # H01983

SAMPLE ID	EAST	DESC	Ni (CONC)	Cu (CONC)	Co (CONC)	Zn (CONC)	Mn (CONC)	Cr (CONC)	Pb (CONC)	V (CONC)	Fe (CONC)	Ca (CONC)	Mg (CONC)	Al	Ti	Ba	Sr
210 126	-40. MR 52225	BEARING 270°	30	14	6	23	162	30	22	57	1.78%	975	1480	3.42%	2800	274	46
210 127	-20. MR 2194		28	12	5	20	149	28	20	53	1.66%	934	1400	3.23%	2440	271	43
210 128	do MR 2337		29	12	7	20	162	28	22	53	1.65%	1020	1410	3.21%	2480	269	44
210 129	20. MR 2693		30	12	6	21	151	27	22	56	1.72%	1050	1460	3.34%	2670	272	45
210 130	40. MR 3650		30	13	5	20	155	29	21	55	1.73%	971	1500	3.44%	2600	272	46
210 131	60. MR 3951		25	12	7	18	145	26	21	51	1.62%	932	1360	3.17%	2410	262	43
210 132	80. MR 3839		31	12	7	19	151	29	21	54	1.66%	1000	1420	3.22%	2730	272	45
210 133	100. MR 3819		32	12	7	19	143	30	22	54	1.65%	955	1410	3.21%	2770	267	45
210 134	120. MR 3591		32	12	7	19	143	27	22	55	1.68%	986	1440	3.28%	2770	268	45
210 135	140. MR 3390		33	13	7	20	170	27	23	56	1.71%	846	1420	3.35%	2820	269	45
210 136	160. MR 3288		31	12	7	19	160	29	21	55	1.66%	916	1380	3.27%	2750	265	45
210 137	320. MR 3132		32	12	6	21	191	26	22	55	1.67%	909	1420	3.41%	2910	289	47

JERVOIS SIEVED SOILS

BATCH ASSAY REPORT 1 : Geologist 210 A.D.BUERGER. Project 8322 BATCH H01658
(SELECTED ELEMENTS) SDF # H01978

SAMPLE ID		EAST DESC	Ni (CONF)	Cu (CONF)	Co (CONF)	Zn (CONF)	Mn (CONF)
210	138	340. MR 3115	32	12	8	20	152
210	139	360. MR 3251	32	10	8	19	135
210	140	380. MR 3370	37	11	7	19	148
210	141	400. MR 3687	35	11	7	19	146
210	142	420. MR 3971	31	10	6	18	152
210	143	440. MR 3579	31	11	7	19	169
210	144	460. MR 3294	29	10	6	18	149
210	145	480. MR 3161 ?TRANSPORTED	32	11	6	20	159
210	146	500. MR 3084 "	32	13	8	23	197
210	147	520. MR 2919 "	33	11	7	21	134

JERVOIS SIEVED SOILS

ORT 1 : Geologist 210 A.D.BUERGER. Project 8322 BATCH H01658
NTS) SDF # H01978

Cr (CONF)	Pb (CONF)	V (CONF)	Fe (CONF)	Ca (CONF)	Mg (CONF)	Al (CONF)	Ti (CONF)	Ba (CONF)	Sr (CONF)
30	24	56	1.69%	946	1410	3.45%	2880	284	47
26	23	54	1.64%	914	1360	3.41%	2800	272	46
29	22	57	1.68%	860	1350	3.38%	3250	272	46
28	23	56	1.66%	845	1330	3.34%	3210	268	46
26	21	52	1.58%	898	1320	3.26%	2820	275	45
26	22	53	1.60%	873	1320	3.22%	2860	288	45
26	21	51	1.53%	956	1330	3.11%	2780	287	45
30	21	54	1.63%	965	1390	3.28%	3000	287	46
28	25	58	1.77%	943	1610	3.64%	2980	294	51
28	24	54	1.67%	803	1440	3.43%	2960	278	46

210	160	0. LOCATION RUN 4/3952	34	13	8	23	202	29	26	61	1.80%	1090	1970	3.67%	2990	261	49
210	161	25.	26	9	<5	18	123	22	19	47	1.38%	2410	2370	2.91%	2390	258	46

JERVOIS SIEVED SOILS

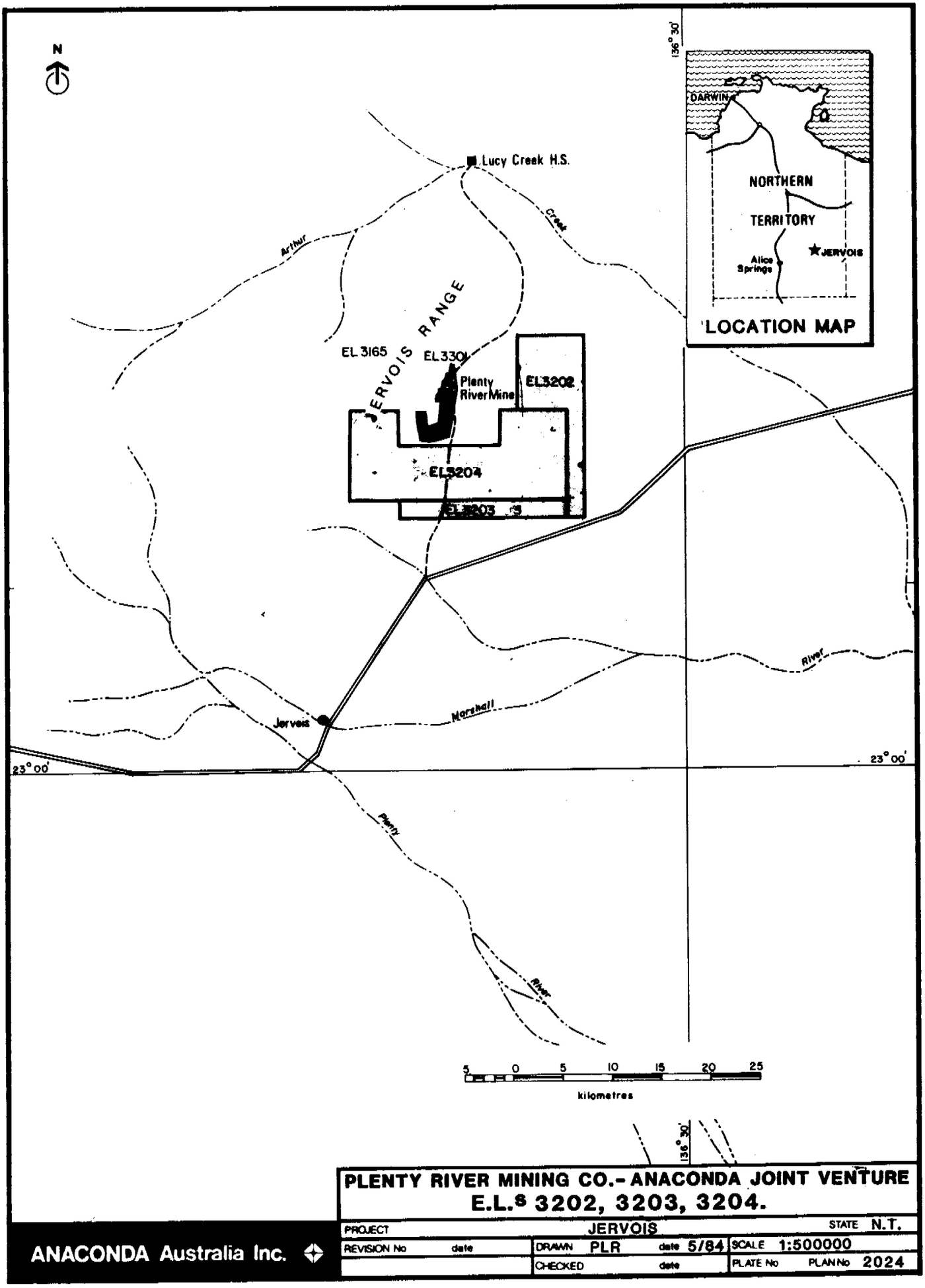
BATCH ASSAY REPORT 1 : Geologist 210 A.D.BUERGER. Project 8322 BATCH H01658
(SELECTED ELEMENTS) SDF # H01990

SAMPLE ID	EAST	DESC	Ni (CONF)	Cu (CONF)	Co (CONF)	Zn (CONF)	Mn (CONF)
210 162	50.		29	10	6	19	127
210 163	75.		30	11	8	22	157
210 164	100.		29	10	6	20	151
210 165	125.		27	11	6	22	155
210 166	150.		29	13	7	22	185
210 167	100.	MR 53273 BEARING 90'	30	13	8	20	155
210 168	140.	MR 3361	33	14	9	23	157
210 169	180.	MR 3494	31	13	8	20	173
210 170	220.	MR 3595	31	13	7	22	206
210 171	260.	MR 3616	29	12	6	18	181
210 172	300.	MR 3751	30	13	7	20	181
210 173	340.	MR 3778	27	12	7	18	159
210 174	380.	MR 3533	29	12	7	19	164
210 175	420.	MR 3729	30	13	6	19	165
210 176	460.	MR 3610	29	19	7	23	172
210 177	500.	MR 3149	26	13	6	21	193
210 178	540.	MR 2860	27	12	5	18	173
210 179	580.	MR 2646	24	13	<5	19	178

JERVOIS SIEVED SOILS

T 1 : Geologist 210 A.D.BUERGER. Project 8322 BATCH H01658
S) SDF # H01990

Cr (CONF)	Pb (CONF)	V (CONF)	Fe (CONF)	Ca (CONF)	Mg (CONF)	Al (CONF)	Ti (CONF)	Ba (CONF)	Sr (CONF)
24	21	49	1.45%	1290	2230	3.01%	2520	259	44
21	22	52	1.55%	1590	3430	3.24%	2550	272	47
20	21	48	1.42%	1730	3270	2.98%	2490	271	43
21	21	48	1.44%	1960	3460	3.09%	2320	276	47
26	23	52	1.55%	1010	1470	3.21%	2520	281	46
28	23	56	1.74%	647	1310	3.58%	2880	249	46
31	25	61	1.91%	671	1530	3.91%	3060	253	49
29	23	57	1.79%	871	1520	3.70%	2760	262	50
27	24	56	1.77%	1080	1730	3.67%	2730	268	50
25	21	53	1.66%	909	1360	3.36%	2690	264	47
25	23	57	1.81%	945	1410	3.65%	2750	257	49
27	23	55	1.75%	727	1260	3.41%	2580	253	44
29	22	56	1.77%	880	1360	3.57%	2700	260	47
28	24	58	1.83%	816	1360	3.64%	2670	253	47
27	24	57	1.83%	777	1290	3.52%	2740	256	45
28	22	59	1.92%	843	1470	3.75%	2800	261	49
26	21	56	1.76%	814	1270	3.49%	2810	260	47
25	21	54	1.72%	804	1360	3.45%	2570	266	47

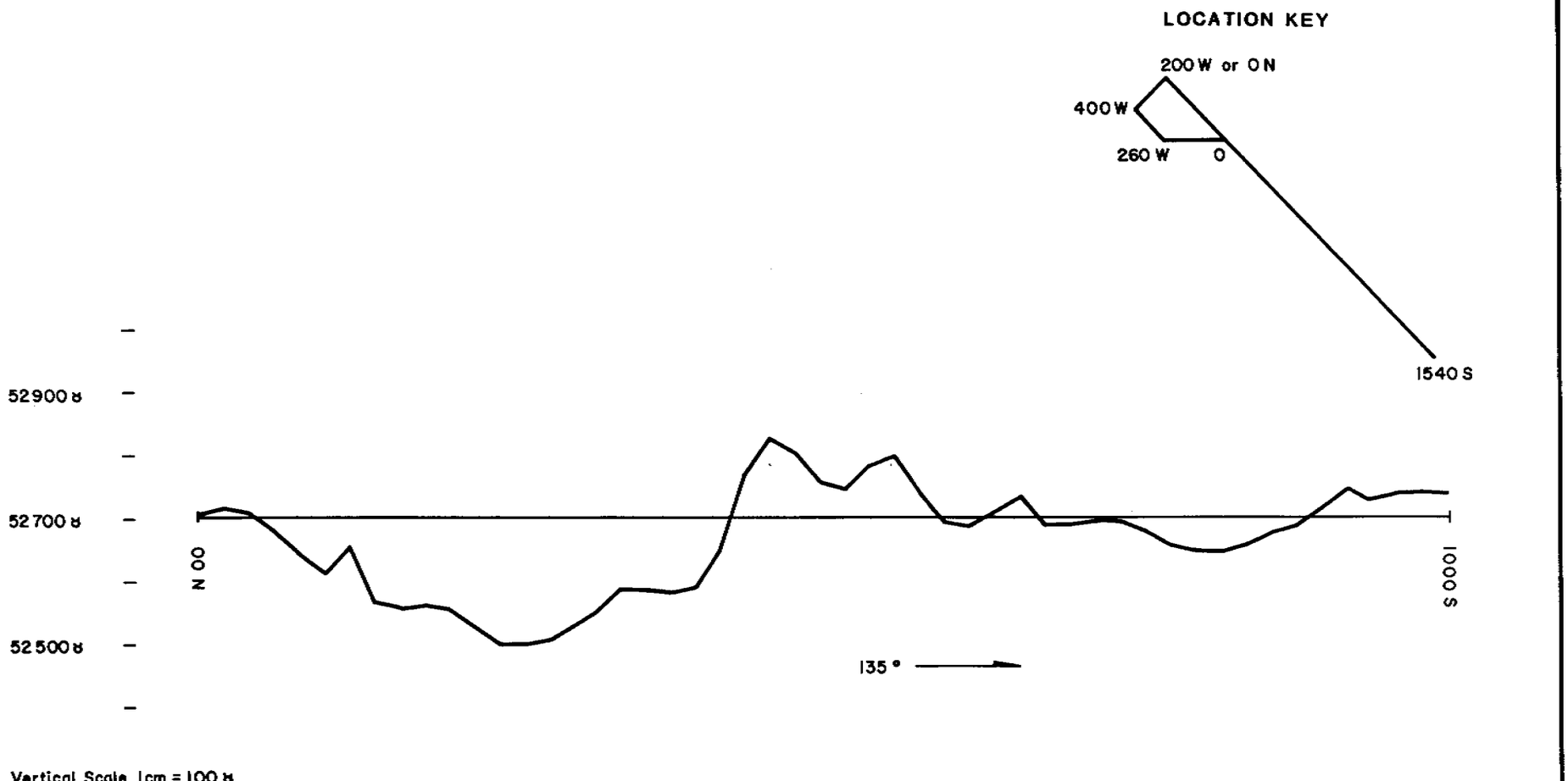


PLENTY RIVER MINING CO.- ANACONDA JOINT VENTURE

E.L.s 3202, 3203, 3204.

ANACONDA Australia Inc.

PROJECT		JERVOIS		STATE	N.T.
REVISION No	date	DRAWN PLR	date 5/84	SCALE	1:500000
		CHECKED	date	PLATE No	PLAN No 2024



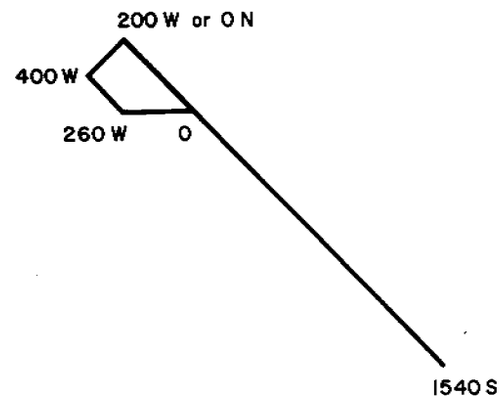
Vertical Scale 1cm = 100 ɣ

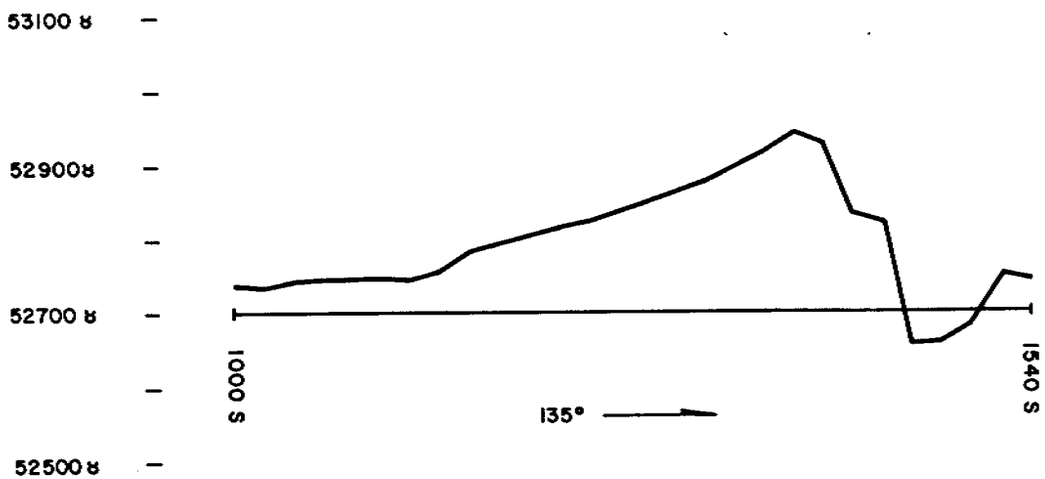
PROTON MAGNETOMETER SURVEY
B PROFILE - ANOMALY JC10

ANACONDA Australia Inc.

PROJECT JERVOIS			STATE N.T.
Orig. RW	date 3/84	Drawn PLR date 5/84	Scale 1:500
Checked		Figure No. Plate No.	Plan No. 2025

LOCATION KEY





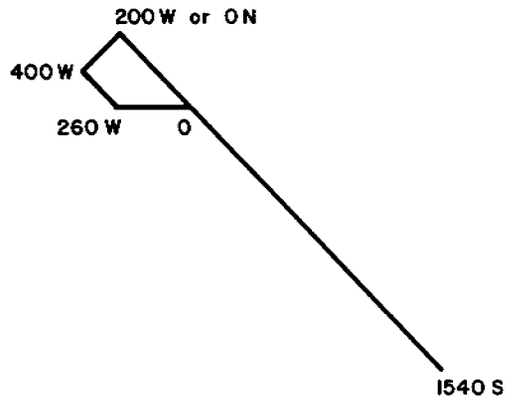
Vertical Scale 1cm = 100ɣ

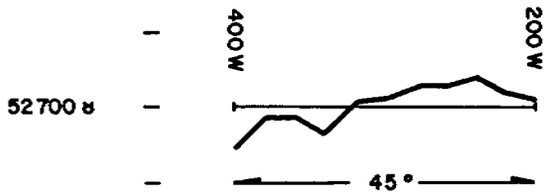
PROTON MAGNETOMETER SURVEY
C PROFILE - ANOMALY JC10

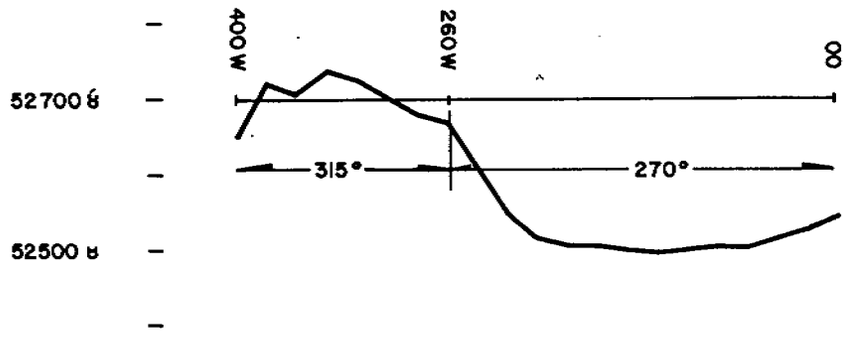
ANACONDA Australia Inc.

PROJECT JERVOIS			STATE N.T.
Orig. RW	date 3/84	Drawn PLR date 5/84	Scale 1:500
Checked		Figure No. Plate No.	Plan No. 2026

LOCATION KEY





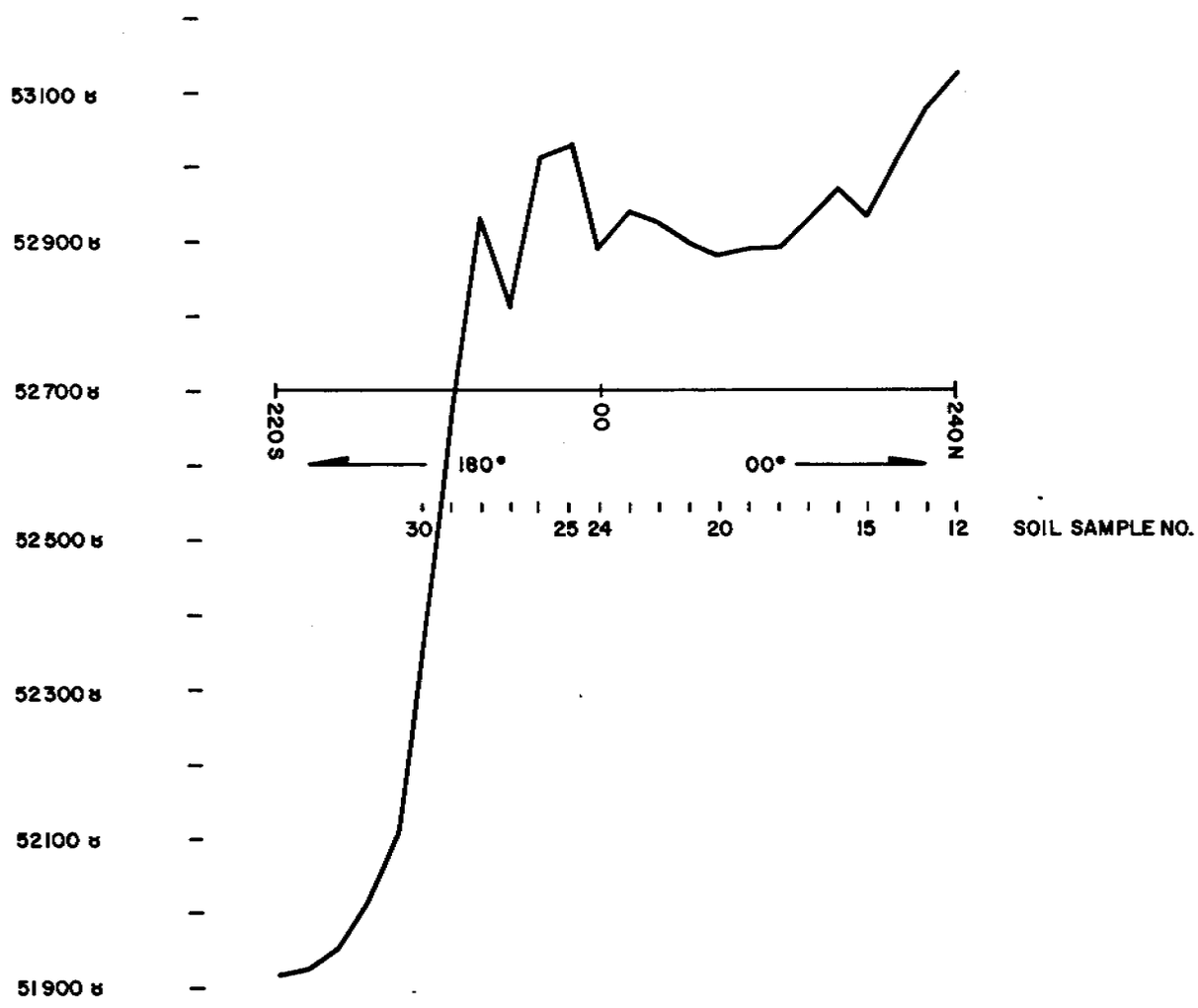


Vertical Scale 1cm = 100 δ

PROTON MAGNETOMETER SURVEY
A PROFILE - ANOMALY JC10

ANACONDA Australia Inc.

PROJECT JERVOIS			STATE N.T.
Orig. RWM date 3/84	Drawn PLR date 5/84	Scale 1:500	
Checked	Figure No.	Plate No.	Plan No. 2027

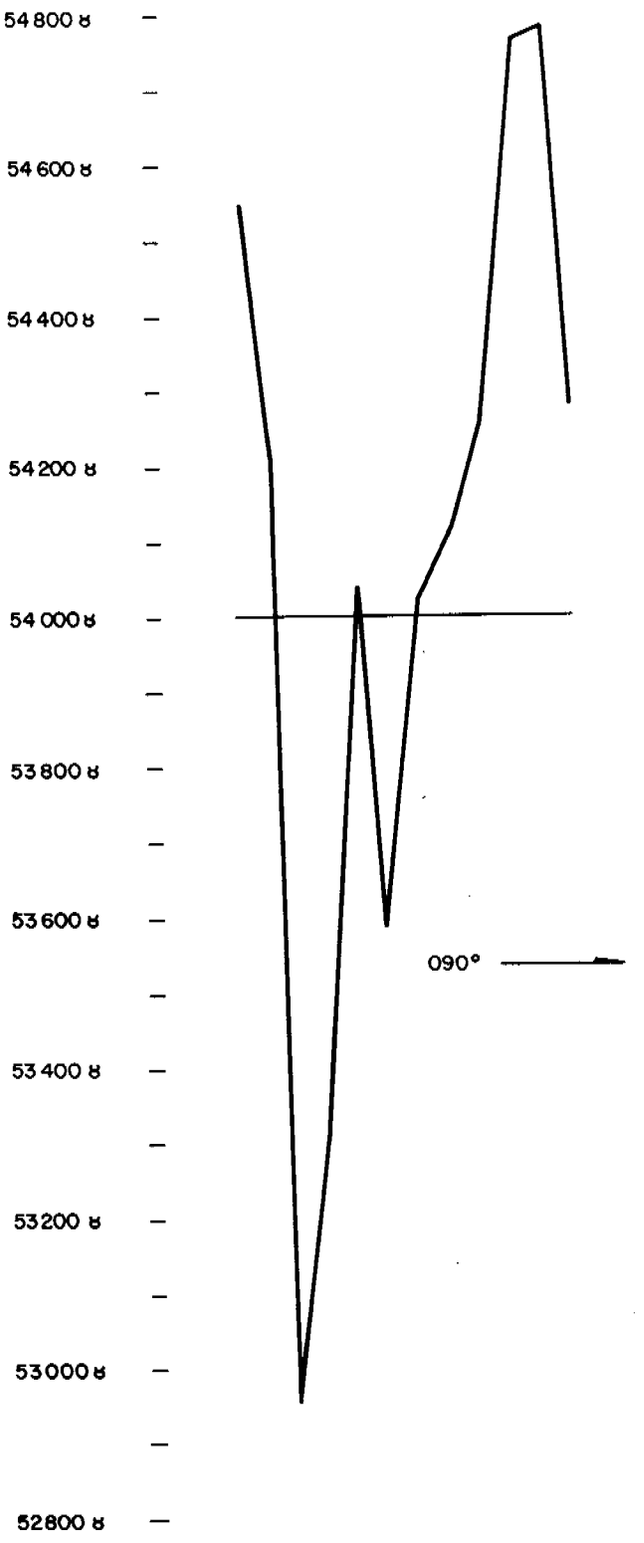


Vertical Scale 1cm = 100 ɣ

PROTON MAGNETOMETER SURVEY
PROFILE - ANOMALY JC16

ANACONDA Australia Inc.

PROJECT JERVOIS			STATE N.T.
Orig. RW	date 3/84	Drawn PLR date 5/84	Scale 1:500
Checked		Figure No. Plate No.	Plan No. 2028

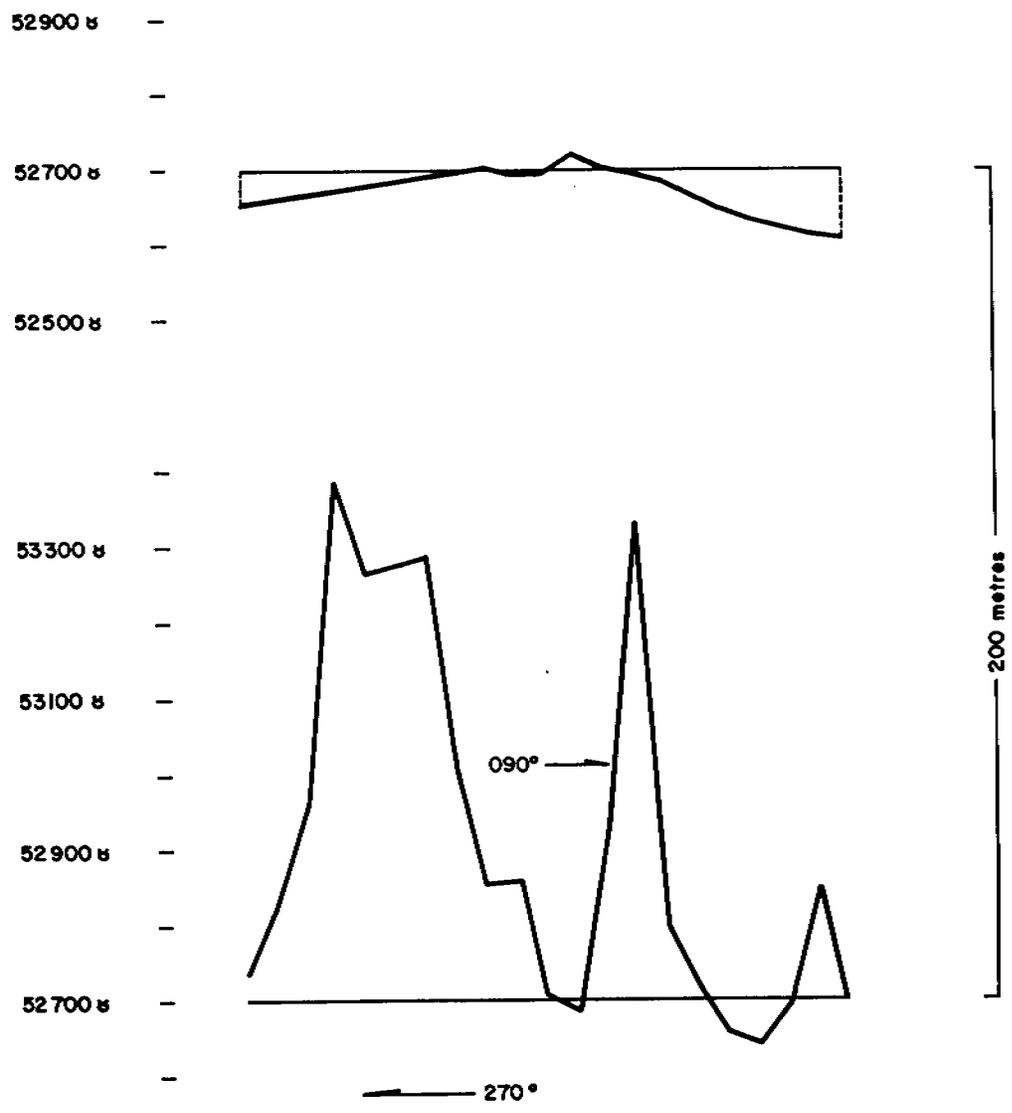


Vertical Scale 1cm = 100 ɣ

PROTON MAGNETOMETER SURVEY
PROFILE - ANOMALY JC18

ANACONDA Australia Inc.

PROJECT	JERVOIS				STATE N.T.
Orig. RW	date 3/84	Drawn PLR	date 5/84	Scale 1:500	
Checked		Figure No.	Plate No.	Plan No. 2029	

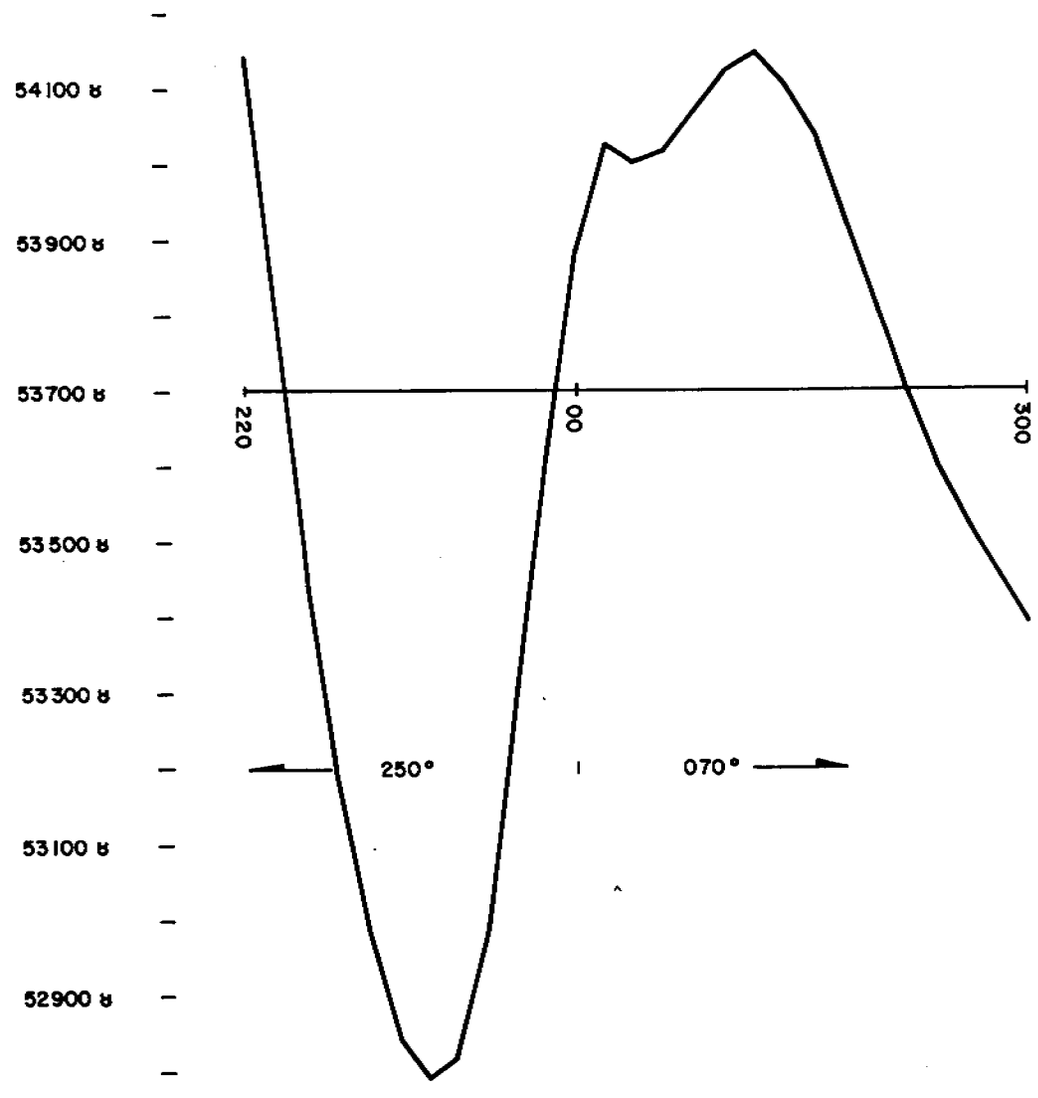


Vertical Scale 1cm = 100ɣ

PROTON MAGNETOMETER SURVEY
PROFILE - ANOMALY JC19

ANACONDA Australia Inc.

PROJECT JERVOIS			STATE N.T.
Orig. RW	date 3/84	Drawn PLR date 5/84	Scale 1:500
Checked		Figure No. Plate No.	Plan No. 2030

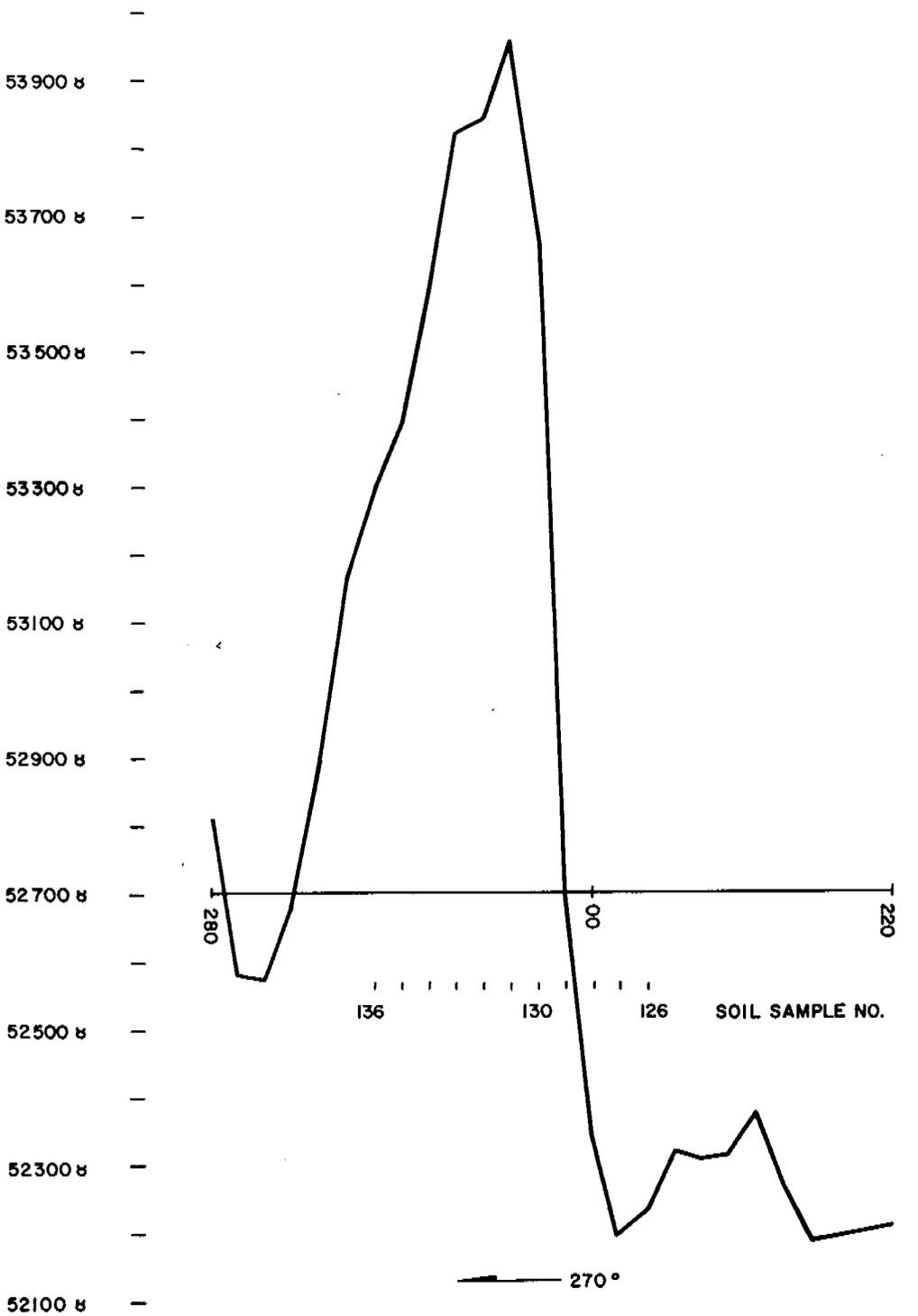


Vertical Scale 1cm = 100 ɣ

ANACONDA Australia Inc.

PROTON MAGNETOMETER SURVEY
PROFILE - ANOMALY JC20

PROJECT JERVOIS			STATE N.T.
Orig. RW	date 3/84	Drawn PLR date 5/84	Scale 1:500
Checked		Figure No. Plate No.	Plan No. 2031

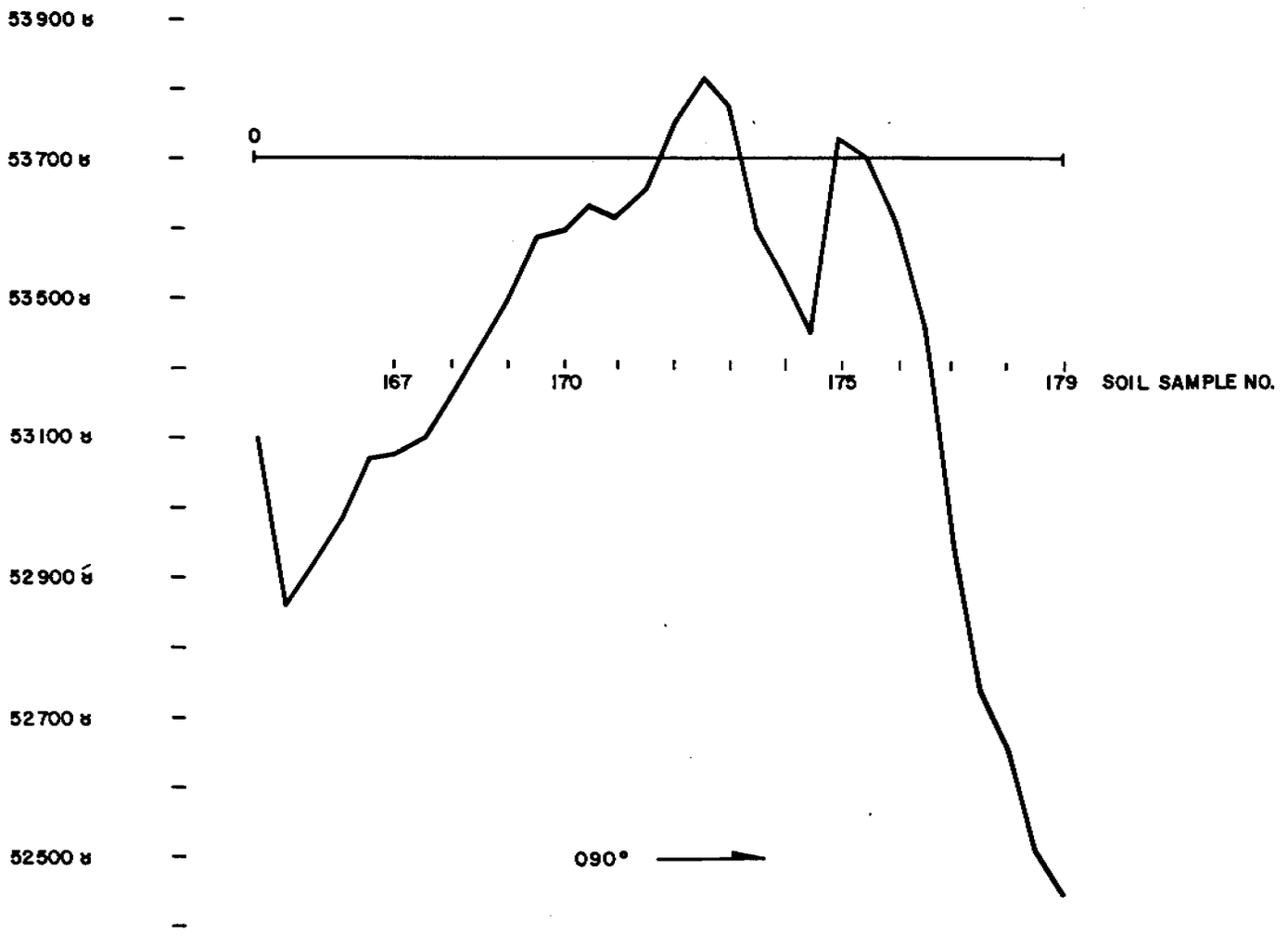


Vertical Scale 1cm = 100 ɣ

PROTON MAGNETOMETER SURVEY
PROFILE - ANOMALY JC21

ANACONDA Australia Inc.

PROJECT	JERVOIS				STATE N.T.
Orig. RW	date 3/84	Drawn PLR	date 5/84	Scale 1:500	
Checked		Figure No.	Plate No.		Plan No. 2032

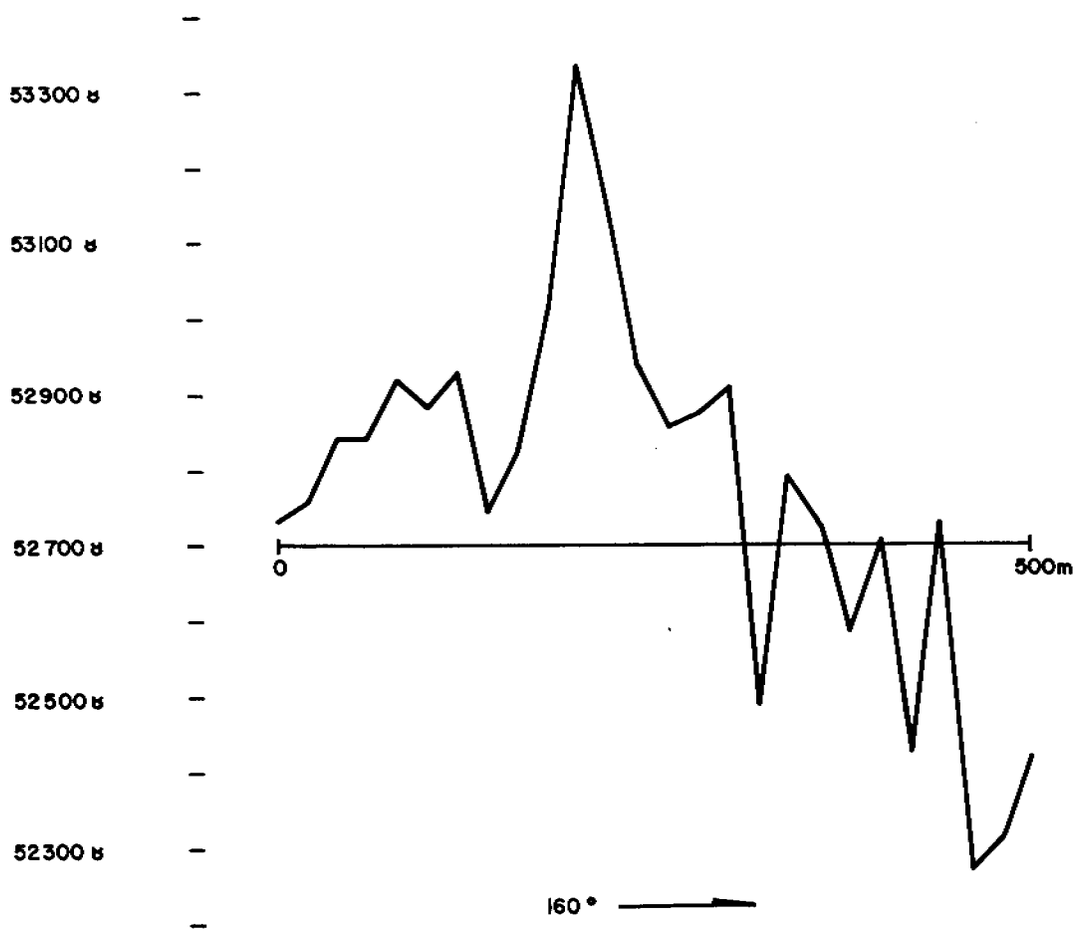


Vertical Scale 1cm = 100 ɣ

PROTON MAGNETOMETER SURVEY
PROFILE - ANOMALY JC24

ANACONDA Australia Inc.

PROJECT JERVOIS			STATE N.T.
Orig. RW	date 3/84	Drawn PLR date 5/84	Scale 1:500
Checked		Figure No. Plate No.	Plan No. 2033

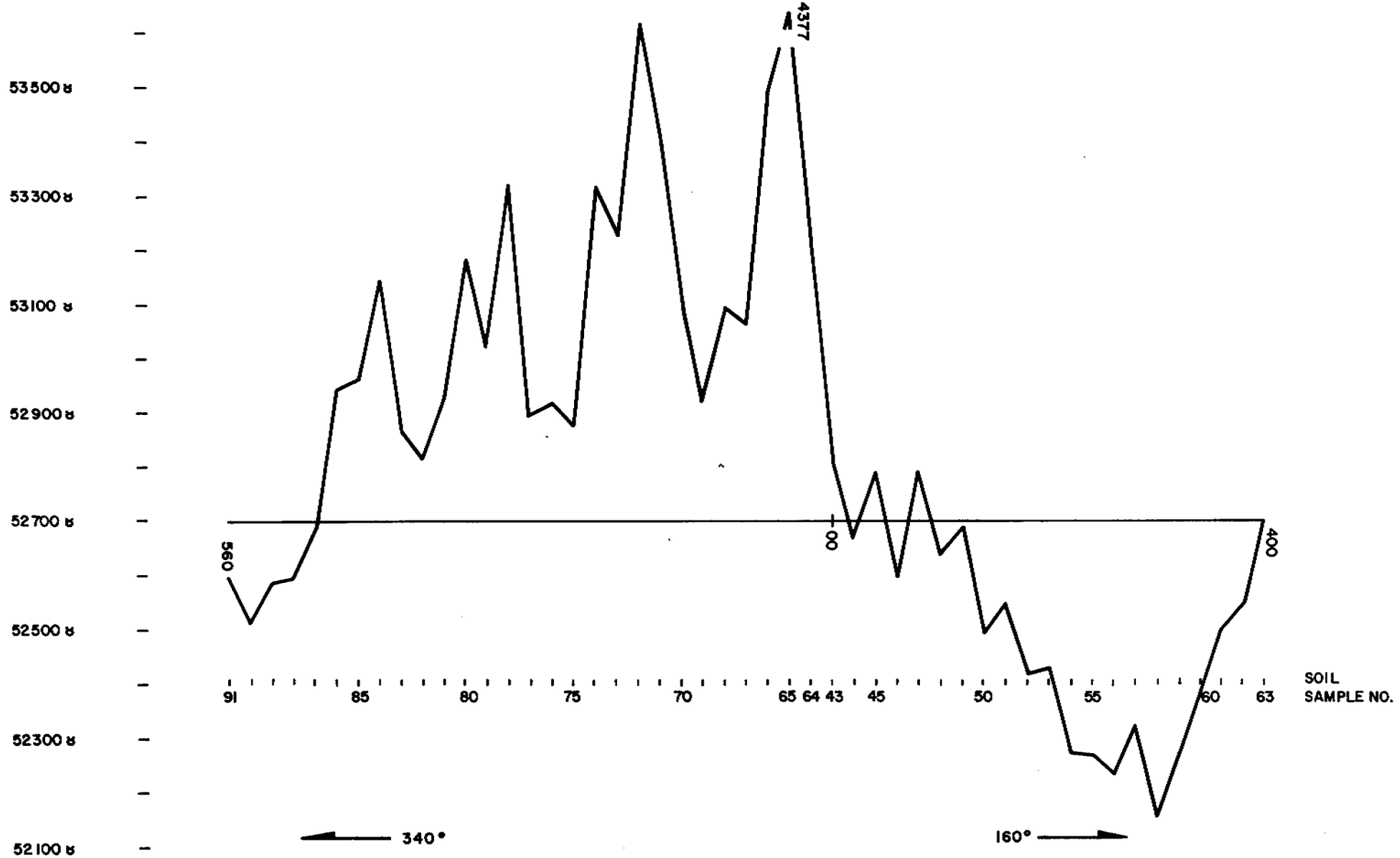


Vertical Scale 1cm = 100 ɣ

PROTON MAGNETOMETER SURVEY
PROFILE - ANOMALY JC25

ANACONDA Australia Inc.

PROJECT	JERVOIS				STATE N.T.
Orig. RW	date 3/84	Drawn PLR	date 5/84	Scale 1:500	
Checked		Figure No.	Plate No.	Plan No. 2034	

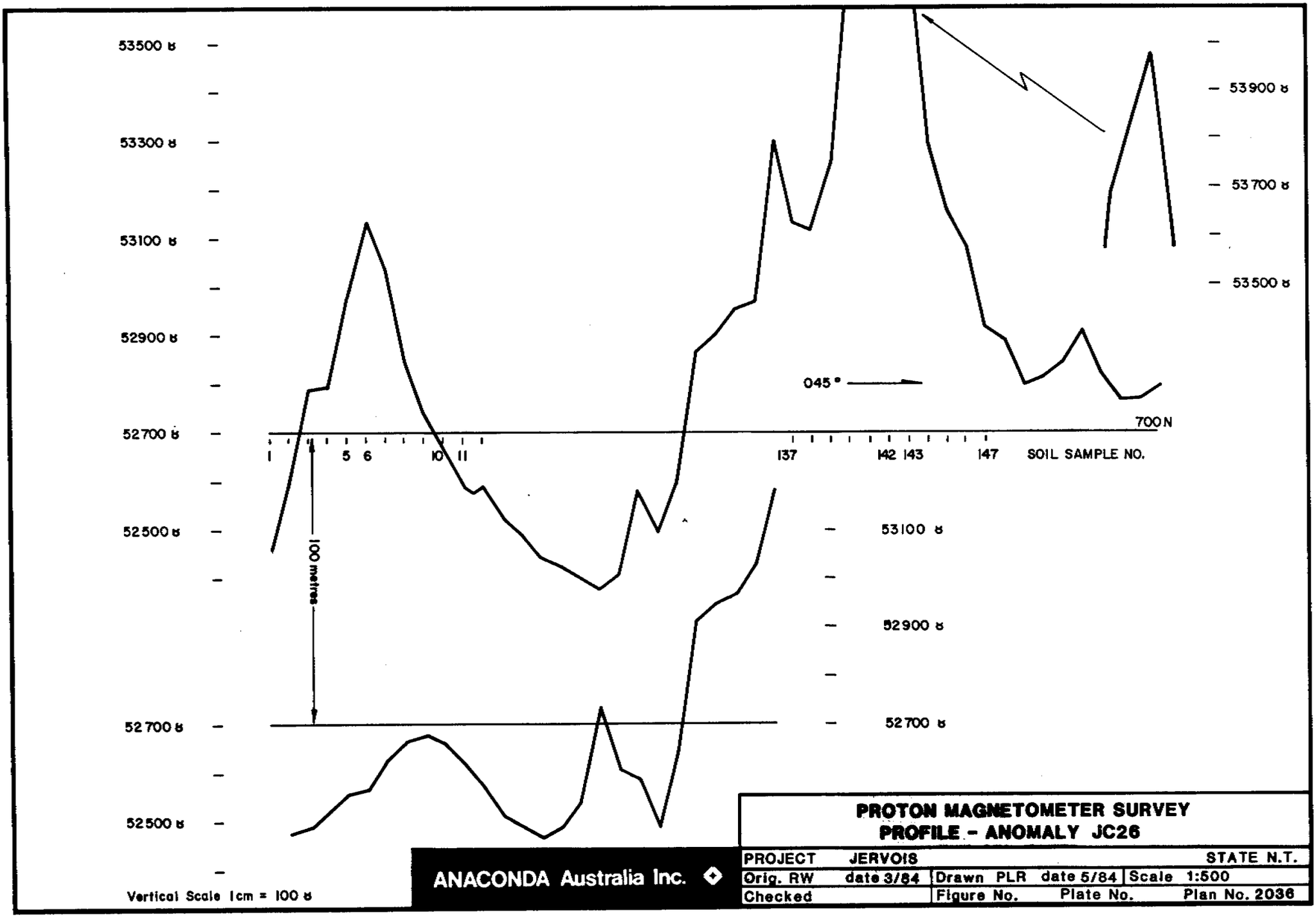


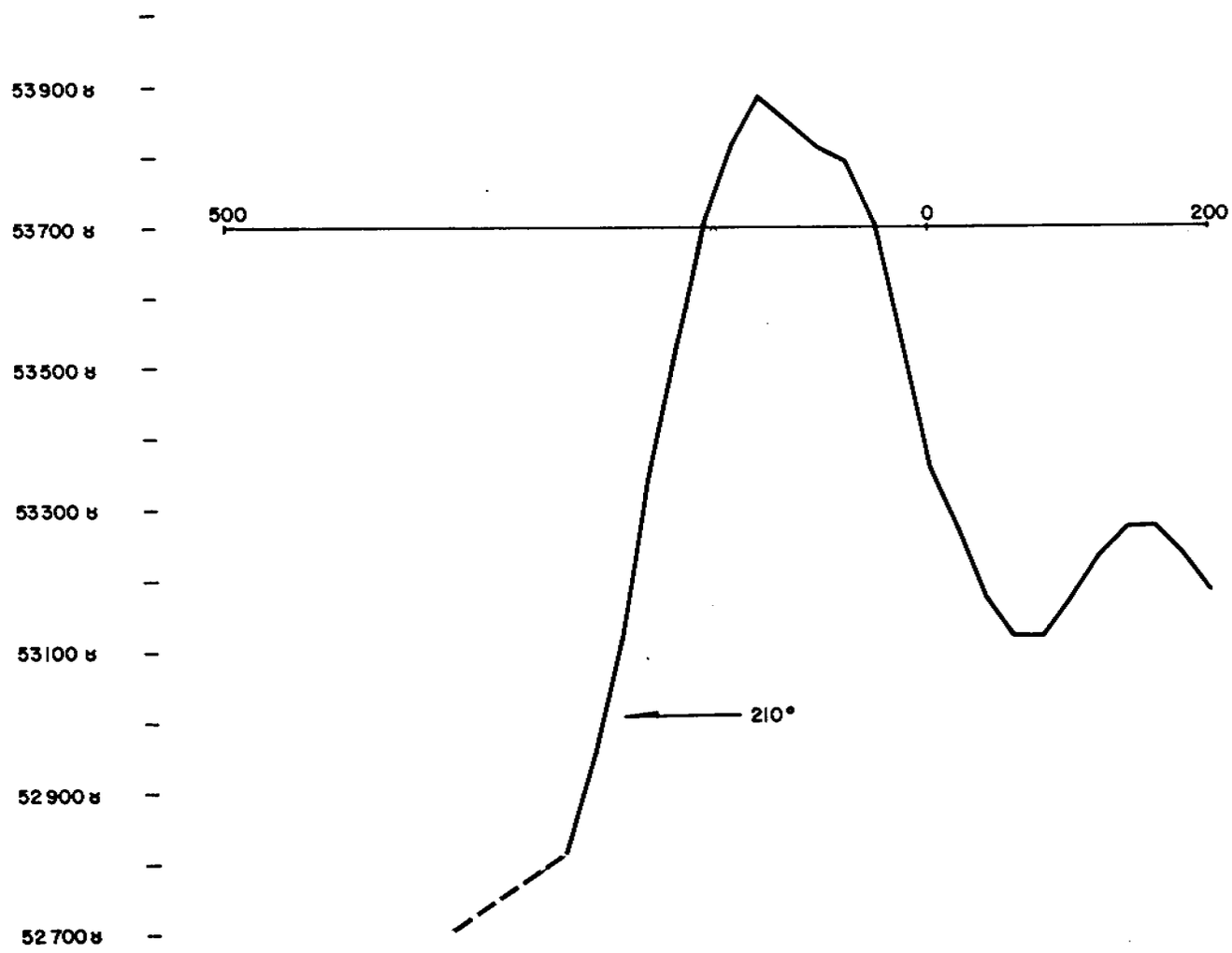
Vertical Scale 1cm = 100 ɣ

ANACONDA Australia Inc.

PROTON MAGNETOMETER SURVEY
PROFILE - ANOMALY JC25a

PROJECT	JERVOIS				STATE N.T.
Orig. RW	date 3/84	Drawn PLR	date 5/84	Scale 1:500	
Checked		Figure No.	Plate No.	Plan No. 2035	


53500 ɣ
53300 ɣ
53100 ɣ
52900 ɣ
52700 ɣ
52500 ɣ
52500 ɣ
53900 ɣ
53700 ɣ
53500 ɣ
53100 ɣ
52900 ɣ
52700 ɣ
045°
700N
1
5
6
10
11
137
142
143
147
SOIL SAMPLE NO.
100 metres
Vertical Scale 1cm = 100 ɣ
ANACONDA Australia Inc.
PROTON MAGNETOMETER SURVEY
PROFILE - ANOMALY JC26
PROJECT JERVOIS
STATE N.T.
Orig. RW
date 3/84
Drawn PLR
date 5/84
Scale 1:500
Checked
Figure No.
Plate No.
Plan No. 2036

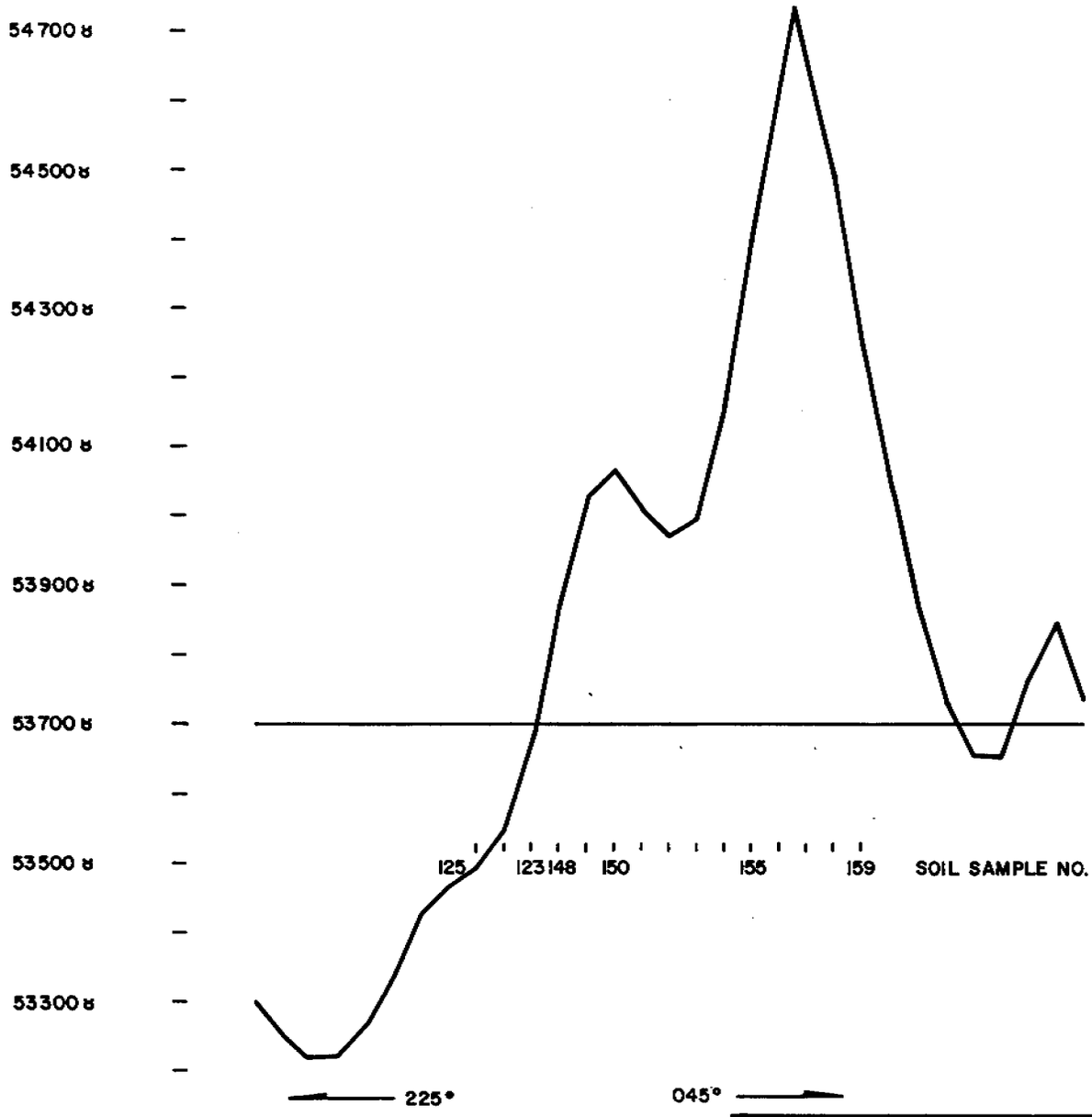


Vertical Scale 1cm = 100 s

PROTON MAGNETOMETER SURVEY
PROFILE - ANOMALY JA1a

ANACONDA Australia Inc.

PROJECT JERVOIS			STATE N.T.
Orig. RWM date 3/84	Drawn PLR date 5/84	Scale 1:500	
Checked	Figure No.	Plate No.	Plan No. 2037

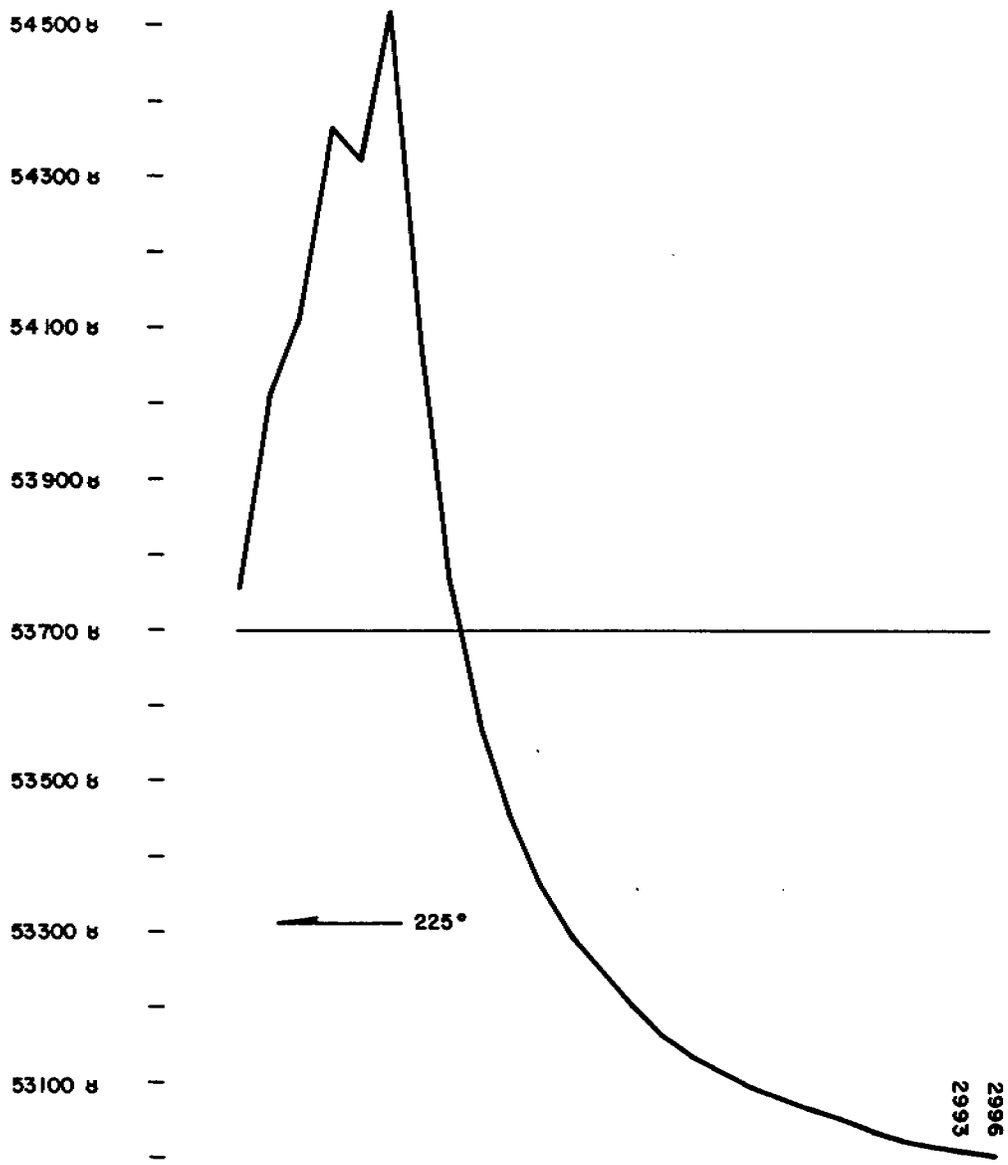


Vertical Scale 1cm = 100 ɣ

PROTON MAGNETOMETER SURVEY
PROFILE - ANOMALY JA4

ANACONDA Australia Inc.

PROJECT	JERVOIS				STATE N.T.
Orig. RW	date 3/84	Drawn PLR	date 5/84	Scale 1:500	
Checked		Figure No.	Plate No.	Plan No. 2038	

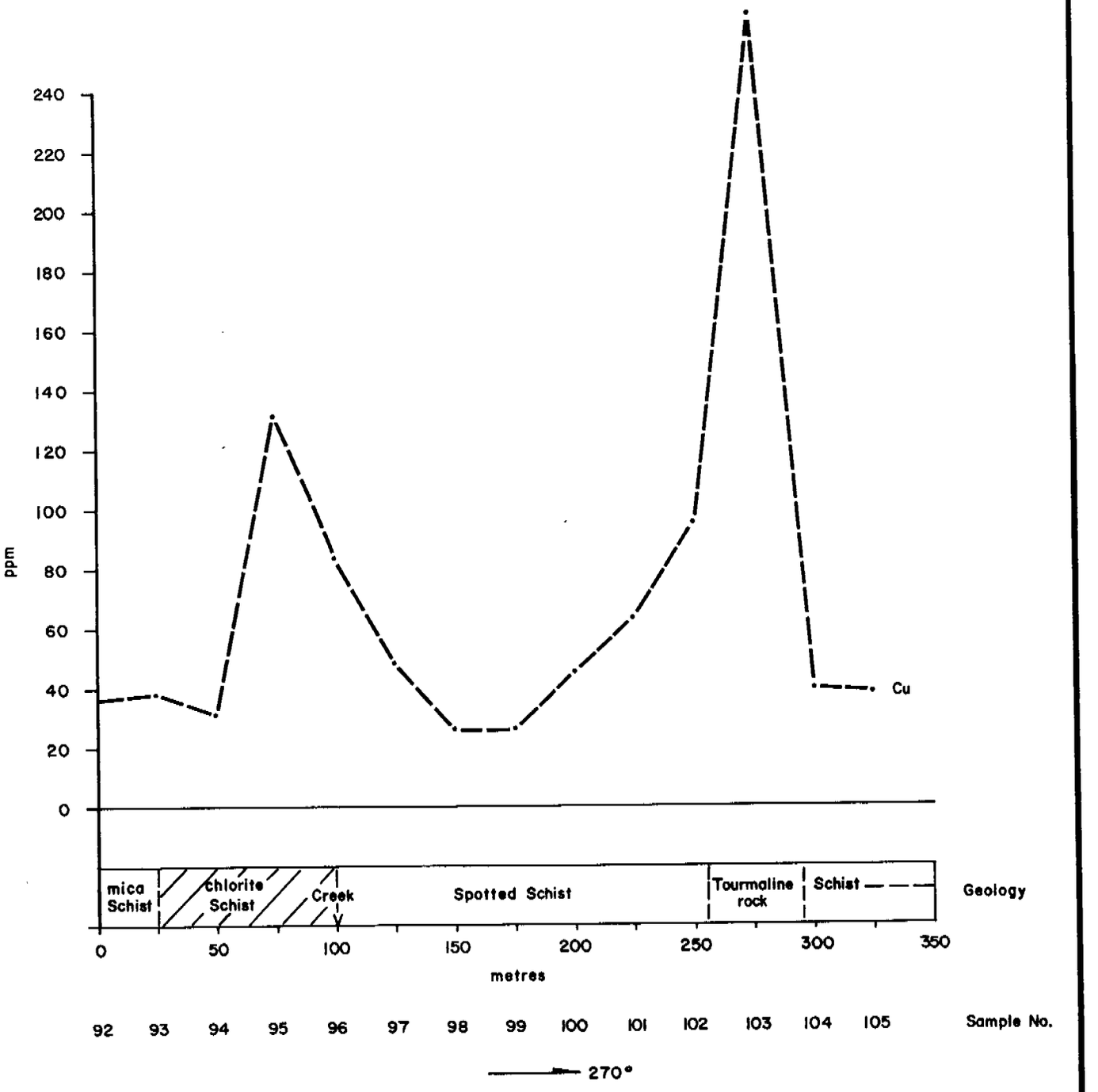


Vertical Scale 1cm = 100 s

PROTON MAGNETOMETER SURVEY
PROFILE - ANOMALY JA6

ANACONDA Australia Inc.

PROJECT	JERVOIS				STATE N.T.
Orig. RWM	date 3/84	Drawn PLR	date 5/84	Scale 1:500	
Checked		Figure No.	Plate No.	Plan No. 2039	



Soil line across Cu bearing strata ~ 200 m. north along strike from mineralization.

JERVOIS NORTH COPPER GEOCHEM.

ANACONDA Australia Inc.

PROJECT	JERVOIS			STATE N.T.	
Orig. RW	date 3/84	Drawn PLR	date 5/84	Scale 1:2500	
Checked		Figure No.	Plate No.	Plan No. 2040	

NOTE This map is compiled from uncontrolled air photos

- ADELAIDEAN
- UNCONFORMITY
- GRANITE
- Adg GABBRO
- As META-SEDIMENTS
- Am AMPHIBOLITE
- IRON FORMATION
- QT QUARTZ TOURMALINITE
- POSSIBLE IRON RICH UNITS
- SHEELITE OCCURENCE
- qv Quartz vein
- Cs Calc silicate
- Fault
- X 437 Sample location (Prefixed 9002-530-)
- 1001 Stream sediment sample location (Prefixed 9002-641-)
- 6/4225 Air photo centre
- JC26 E.M.Anomaly
- Geochemical/Magnetic Check Traverse
- 136 126 Soil Samples Numbers (Prefixed 8323-210-)

0 1 2 Km

11 12 13 14 136°15' 16 17 18 19 20 21 22 23

22°30' 31 32 33 34 35 36 37 38 39 40 41 42 43 44

22°35'

ADELAIDEAN SEDIMENTS

Reservoir Dam

Scree

migmatite (older basement ?)

3/4257

4/3958

5/4075

5/4079

6/4223

6/4227

Pioneer A Lode

Pioneer B Lode

Reward Lode

Marshal Lode

Green Parrot Lode

Coxs Lode

Bellbird Lode

Wards Lode

LOW RELIEF

RUGGED RELIEF

LANDING GROUND

MILL

PLENTY RIVER TOWNSITE

MAIN ACCESS ROAD

UNKA

CREEK

UNCONFORMITY

POOR OUTCROP

NO OUTCROP

TREND

MAGNETIC

BIG J

APPROXIMATE

Spotted Am

quartz - epidote hornfelsic rocks

granite gneiss?

gneiss ?

magnetite plug

minor B.I.F

Vesicular Am

x-cutting qtz / Cu CO_3 vein

minor Cs, abundant QT veins

magnetite with Cu CO_3 staining

422 & 429 magnetite - PEKO MONITOR No 1 (8/1/1983)

Unca Waterhole

To Plenty River Highway

To Baikal

JC1 JC2 JC3 JC4 JC5 JC6 JC7 JC8 JC9 JC10 JC11 JC12 JC13 JC14 JC15 JC16 JC17 JC18 JC19 JC20 JC21 JC22 JC23 JC24 JC25 JC26

NORTHERN TERRITORY GEOLOGICAL SURVEY

CR84/205

ANACONDA Australia Inc.

STATE Northern Territory

GEOLOGY, GEOCHEMISTRY, GEOPHYSICS, OF JERVOIS AREA

PROJECT	Jervois		
ORIGIN R. MAJORIBANKS		SCALE	1: 25 000 Approx
CHECKED	date	DRAWN	M. RICHARDSON
REVISION	date	DATE	MARCH 1984
REVISION	date	PLATE No	
REVISION	date	PLAN No.	9038