Work Report: Phase III Diamond Drilling Program

JANES PROPERTY

Janes Township, Sudbury Mining Division, Ontario

(mining claim S-1220221)

November 28th, 2001

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SUMMARY

This report presents a summary of the **Phase III diamond drilling program** completed on the Janes Cu-Ni-PGM property, located in Sudbury Mining Division, Ontario, Canada. The property is located about 50 km northeast of the City of Greater Sudbury (Figure 1). The current exploration program is in partial fulfilment of an option agreement between Pacific North West Capital Corp. (PFN) and the property vendors Goldwright Explorations Inc. (GEI); the work is being funded by joint-venture partners, Anglo American Platinum Corporation Ltd. (Anglo Platinum).\

The Phase III drilling program totalled 915.62 m (2838 ft) in 7 holes, was completed between May 7th and June 30th, 2001, and was designed to test the down-dip and strike potential of sulphide mineralisation previously defined by two earlier diamond drilling programs.

Summary of drill hole parameters, Phase III drilling: Jackie Rastall prospect, Janes property.

DDH	*UTM(E)	*UTM(N)	Elev (m MSL)	Az	Dip	Length (m)	Contact (m)
JR01-20	547326.59	5171035.85	267.33	308	-70	161.00	157.90
JR01-21	547326.59	5171035.85	267.33	0	-90	221.00	217.30
JR01-22	547301.64	5171098.39	271.85	302	-45	104.40	100.80
JR01-23	547301.64	5171098.39	271.85	301	-70	119.00	114.20
JR01-24	547268.61	5171115.41	269.08	301	-46	89.00	83.65
JR01-25	547311.16	5171122.23	273.63	301	-45	102.22	90.80
JR01-26	547179.64	5170890.09	264.02	287	-46	119.00	n/a
					Total:	915.62	

*map datum: NAD27; projection: UTM Zone 17; declination = 11°W

Selected assay results, Phase III drilling: Jackie Rastall prospect, Janes property.

DDH	From(m)	To(m)	Int(m)	*PGM (g/t)	Ni(ppm)	Cu(ppm)
JR01-20	119.35	123.10	3.75	767.2	1242.7	3034.3
JR01-22	32.80	34.80	2.00	482.1	293.4	483.5
JR01-22	68.00	82.50	14.50	408.7	754.8	2064.1
inc.	81.00	82.50	1.50	905.3	1145.7	2914.0
JR01-23	78.00	86.50	8.50	496.5	1043.4	2632.6
inc.	82.50	86.50	4.00	542.1	1070.5	2746.0
JR01-24	37.50	43.50	6.00	481.4	1295.4	3163.0
JR01-24	48.00	56.00	8.00	937.7	1517.4	3712.0
inc.	49.00	55.50	6.50	988.4	1610.2	3975.9
inc.	51.50	55.50	4.00	1114.7	1757.9	4325.6
JR01-25	14.50	21.00	6.50	553.8	622.8	1690.7
JR01-25	29.00	30.70	1.70	955.4	825.1	1531.9
JR01-26	29.80	30.65	0.85	1549.0	635.0	182.0

**PGM = Pt+Pd+Au - weighted averages*

Although current results are disappointing relative to earlier drilling, the property still holds merit and is worthy of further exploration, including an aggressive Phase 4 drilling program and further surface exploration.

1.0 INTRODUCTION

A Phase III diamond drilling program was completed on the Janes property (Jackie Rastall prospect) between May 7th and June 30th, 2001. The program was designed to augment previous drilling – Phases I and II completed in 1999 – which resulted in significant intersections of platinum-group metals (PGM = platinum + palladium + gold) that are associated with copper and nickel sulphides (*see* Phase I & II Drilling Reports dated June and December, 1999).

The Jackie Rastall prospect is located in Janes Township, Sudbury Mining Division, Ontario, about 50 km northeast of the City of Greater Sudbury (Figures 1 and 2). The property is currently under option by Pacific North West Capital Corp. (PFN) from Goldwright Explorations Inc. (GEI); exploration work is being funded by joint-venture partner Anglo American Platinum Corporation Ltd. (Anglo Platinum).

A total of **7 diamond drill holes** (NQ core = 4.76 cm diameter) **totalling 915.62 m (2838 ft)** were completed on the property during the 3rd phase (Table 1). Drill core logs with assay data are provided in Appendix I, and drill hole plan maps and cross sections are in Appendix II. The previously completed Phase I & II drill programs consisted of 19 drill holes (NQ core) that totalled 1637 metres (5075 feet); results from these drill programs are summarised under *Previous Work*.

Table 1. Phase III diamond drill hole summary: Jackie Rastall prospect, Janes property.

DDH	*UTM(E)	*UTM(N)	ELEV (m MSL)	AZ	DIP	Length (m)	Contact (m)
JR01-20	547326.59	5171035.85	267.33	308	-70	161.00	157.90
JR01-21	547326.59	5171035.85	267.33	148	-90	221.00	217.30
JR01-22	547301.64	5171098.39	271.85	302	-45	104.40	100.80
JR01-23	547301.64	5171098.39	271.85	301	-70	119.00	114.20
JR01-24	547268.61	5171115.41	269.08	301	-46	89.00	83.65
JR01-25	547311.16	5171122.23	273.63	301	-45	102.22	90.80
JR01-26	547179.64	5170890.09	264.02	287	-46	119.00	n/a
					Total:	**915.62**	

*map datum: NAD27; projection: UTM Zone 17; declination = 10°W

2.0 LOCATION AND ACCESS

The **Janes property** is located in Janes Township, Sudbury Mining Division, Ontario, Canada and is about 50 road kilometres northeast of the City of Greater Sudbury (Figure 1). This prospect, referred to as the Jackie Rastall (JR) prospect (NTS 41-I/9: ~46°41'47''N/80°23'0''W), is completely accessible by roads leading north from Highway 17 (north at Hagar – route 535 north) and is located in unpatented mining claim S-1220221 (Figure 2).

3.0 CLAIM STATUS

The Janes property consists of 12 unpatented mining claim blocs (165 claim units) covering 2640 ha (Figure 2 and Table 2).

Table 2. Distribution of Mining Claims on the Janes property.

Claim	Due Date	Applied	$Work/Yr	Units	Hectares
S-1198460	18-Jun-02	$12,800	$6,400	16	256
S-1198462	18-Jun-02	$12,800	$6,400	16	256
S-1220221*	16-Dec-01	$19,936	$5,664	16	256
S-1229826	28-Nov-01	$12,800	$6,400	16	256
S-1229827	28-Nov-01	$9,600	$4,800	12	192
S-1229831	28-Nov-01	$9,600	$4,800	12	192
S-1229832	28-Nov-01	$9,600	$4,800	12	192
S-1229852	9-Dec-01	$12,800	$6,400	16	256
S-1230296	28-Nov-01	$12,800	$6,400	16	256
S-1237072	20-Dec-01	$0	$6,400	16	256
S-1237073	20-Dec-01	$0	$6,400	16	256
S-1237074	20-Dec-01	$0	$400	1	16
	TOTALS:	**$112,736**	**$65,264**	**165**	**2640**

**Jackie Rastall prospect and current drilling program*

These claims are under option by PFN from GEI. The *Lands for Life* initiative by the Government of Ontario has placed certain stipulations on areas blanketed by their newly created parks and reserved land holdings. These areas are indicated by an outline on the claim maps and by the R3 designation (Figure 2; *see also* claim map, back pocket). As per the new legislation, if the ground is allowed to lapse it cannot be re-staked and thus reverts back to the crown.

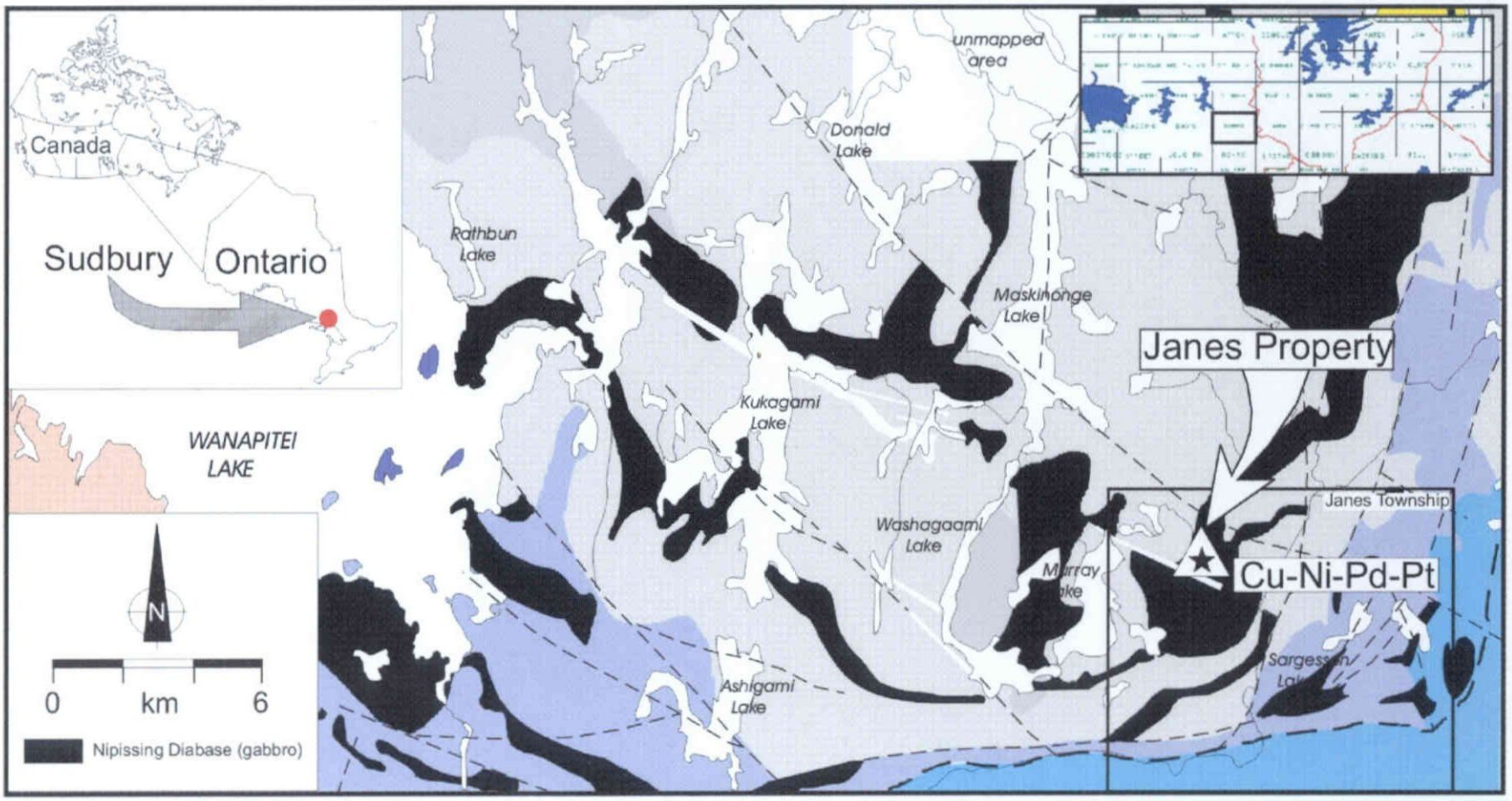

Figure 1. Location of the Janes Pt-Pd-Cu-Ni property, Janes Township, Sudbury Mining Division, Ontario. The property is located about 50 km northeast of the City of Sudbury (off the map). Nipissing Diabase rocks are shown as the dark, irregular areas.

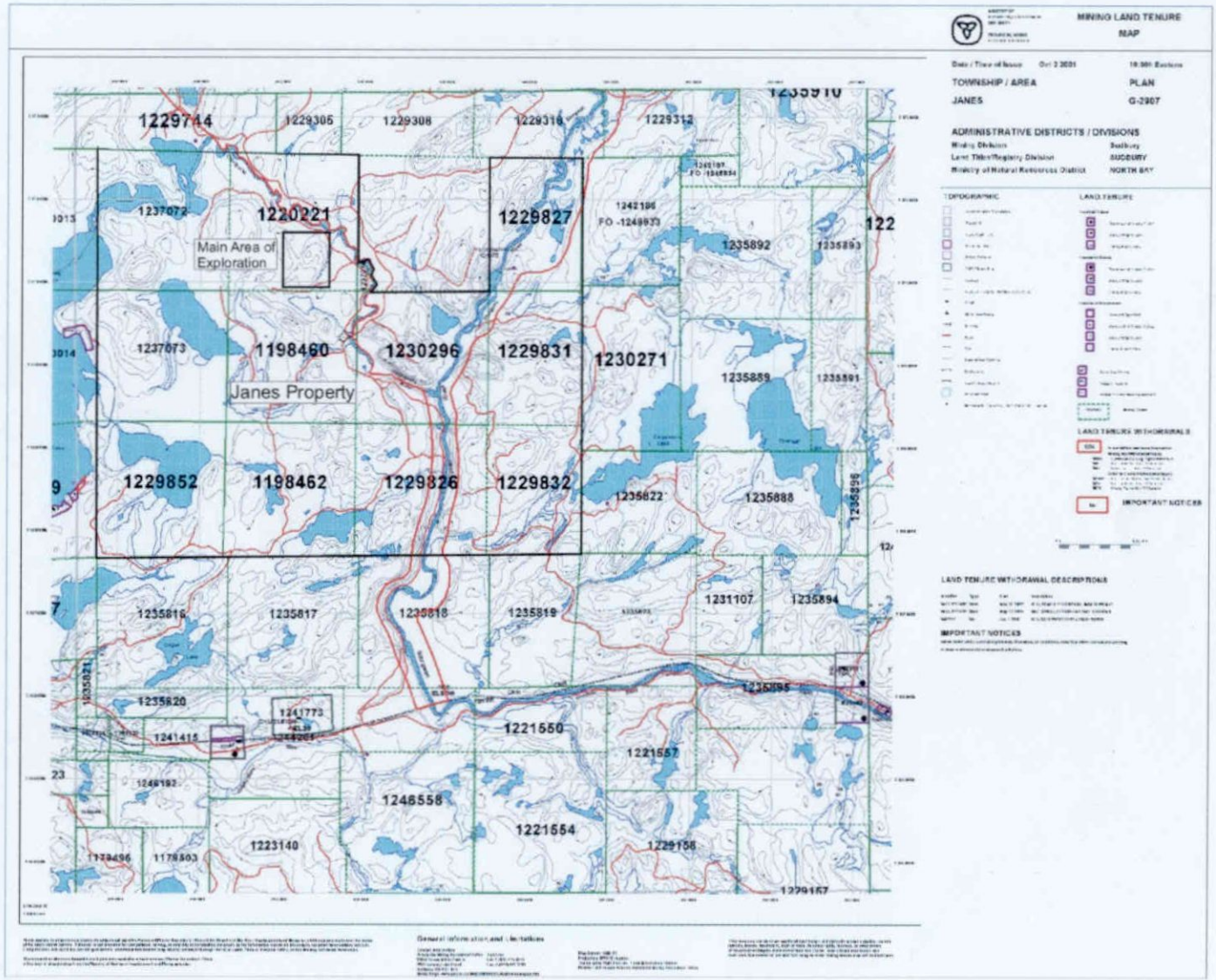

Figure 2. Claim map of Janes Township (G-2907) showing the location of the main exploration area on the J. Rastall prospect; unpatented mining claim 1220221, Sudbury Division. The main claims that comprise the Janes property are outlined in bold.

4.0 REGIONAL GEOLOGY

The **Huronian-Nipissing Magmatic Province** (HNMP) consists of intrusive bodies such as the East Bull Lake, Agnew Lake and River Valley Intrusions (*ca.* 2.4 Ga) and younger intrusions (*ca.* 2.2 Ga) of Nipissing Diabase (Gabbro) that intruded into Paleoproterozoic sedimentary rocks of the Huronian Supergroup (*ca.* 2.45 Ga). Northwest-trending olivine gabbro dykes (*ca.* 1.2 Ga) of the Sudbury Swarm crosscut all of the older rock types. To date there are no known economic Cu-Ni-PGM sulphide deposits associated with Nipissing Gabbro. Nonetheless, numerous showings (>50 known) with anomalous PGM values (1-10 g/t PGM) are recorded throughout the HNMP.

Nipissing Diabase (gabbro) comprises >25% of the outcrop area in the HNMP and consists of dominantly tholeiitic to calc-alkaline rocks. The majority of Nipissing gabbros occur as near-horizontal sheets or undulating sills, consisting of basins and arches, and dykes that are generally less than 1000 m thick. In this form (e.g. PFN's 100% owned Sargesson Lake property), disseminated to massive sulphide mineralisation is concentrated within the basin or limb portions with pods of dominantly massive pyrrhotite occurring within the arches. **Arcuate** and open ring outcroppings of Nipissing Gabbro and structural features of surrounding sedimentary rocks suggest inward-dipping, **cone-shaped intrusions** in which disseminated sulphides hosted by hypersthene gabbro are within a few hundred metres of the basal contact. This form is typified by the gabbroic intrusion at PFN's Kelly property option and PFN's 100% owned Davis-Kelly property.

Lopolithic forms outcrop as irregular-shaped intrusions and may represent deeper pipe-like structures or feeder systems to the stratigraphically higher sill and cone-shaped intrusions. In this form disseminated to semi-massive sulphides are hosted by hypersthene gabbro within tens of metres of the footwall sedimentary rocks and within irregular regions at the footwall contact. **This form is characterized by the gabbroic intrusion at the Janes property.**

5.0 PROPERTY GEOLOGY

The property overlies gabbroic rocks of Nipissing Diabase and Gowganda Formation sedimentary rocks (Figure 3). The gabbro intrusive has inward-dipping lower contacts (25-45°) that, along with symmetrical distribution of rock types, define a lopolith or funnel-shaped body that is >2 km in diameter. The lopolith (Chiniguchi River Intrusion) likely represents a preserved deep section of Nipissing Diabase and therefore has great potential to host economic PGE-Cu-Ni deposits.

Irregularities in surface contacts suggest that the footwall contact undulates and this could result in localised topographic features that have potential to accumulate semi-massive to massive sulphide.

Previous geological bedrock mapping (*see* Property Report dated November 30th, 1998) failed to recognise any major lithological patterns suggestive of large-scale (metre-scale) layering. However, the mapping did show subtle magmatic differentiation toward the east, *viz.* a progressive change from fine-grained gabbro in the west to medium-grained hypersthene gabbro, medium- to coarse-grained leucocratic gabbro and coarse-grained to pegmatitic and vari-textured gabbro in the east; rock units toward the east also contained higher proportions of modal quartz. More importantly, hypersthene-bearing gabbro, host rock to the majority of sulphide mineralisation on the Janes property, is primarily recognised in outcrop that is within about 150 m of the surface contact with sedimentary rocks and the majority of hypersthene gabbro occurs within about 75-100 m of the surface contact with sedimentary rocks.

Rocks on the Janes property show effects of greenschist facies regional metamorphism. Typical greenschist facies mineral assemblages observed in the gabbroic rocks include chlorite, albite, epidote and saussurite after plagioclase and chlorite and actinolite after pyroxene; this mineral assemblage is more pronounced in leucocratic gabbro. Minor (<5-10%) biotite occurs in many of the gabbroic rocks but is unclear as to whether it is a primary (magmatic) or secondary (metamorphic) phase.

Mineralisation

Sulphide mineralisation consists of varying proportions of chalcopyrite, pyrrhotite and pentlandite with minor pyrite. The sulphides occur primarily as finely disseminated grains but also include net-textured, bleb and semi-massive to massive. Total sulphide content ranges from <1% to about 15% in the disseminated, net-textured and bleb variety where it is hosted by a medium-grained, massive, hypersthene (1-10% orthopyroxene) gabbro. Semi-massive (25-75% total sulphide) to massive (>75% total sulphide) sulphides occur in two main settings: (1) along the contact region of the intrusion in what appear to be primary topographic lows; and, (2) within sediment-gabbro breccias that are proximal (<1m to 30m) to the basal contact; the breccias probably developed during intrusion of the gabbro body and are therefore *emplacement breccias*.

Thus far, the greatest potential for economic sulphide mineralisation is within 10-30 m of the lower sedimentary-gabbro contact and within topographic lows that occur at the contact. However, anomalous PGE-Cu-Ni sulphide mineralisation has been encountered substantially higher in the stratigraphy; it is not yet clear whether this location in the stratigraphy is primary or the result of structural displacement and/or alteration related to fluid migration.

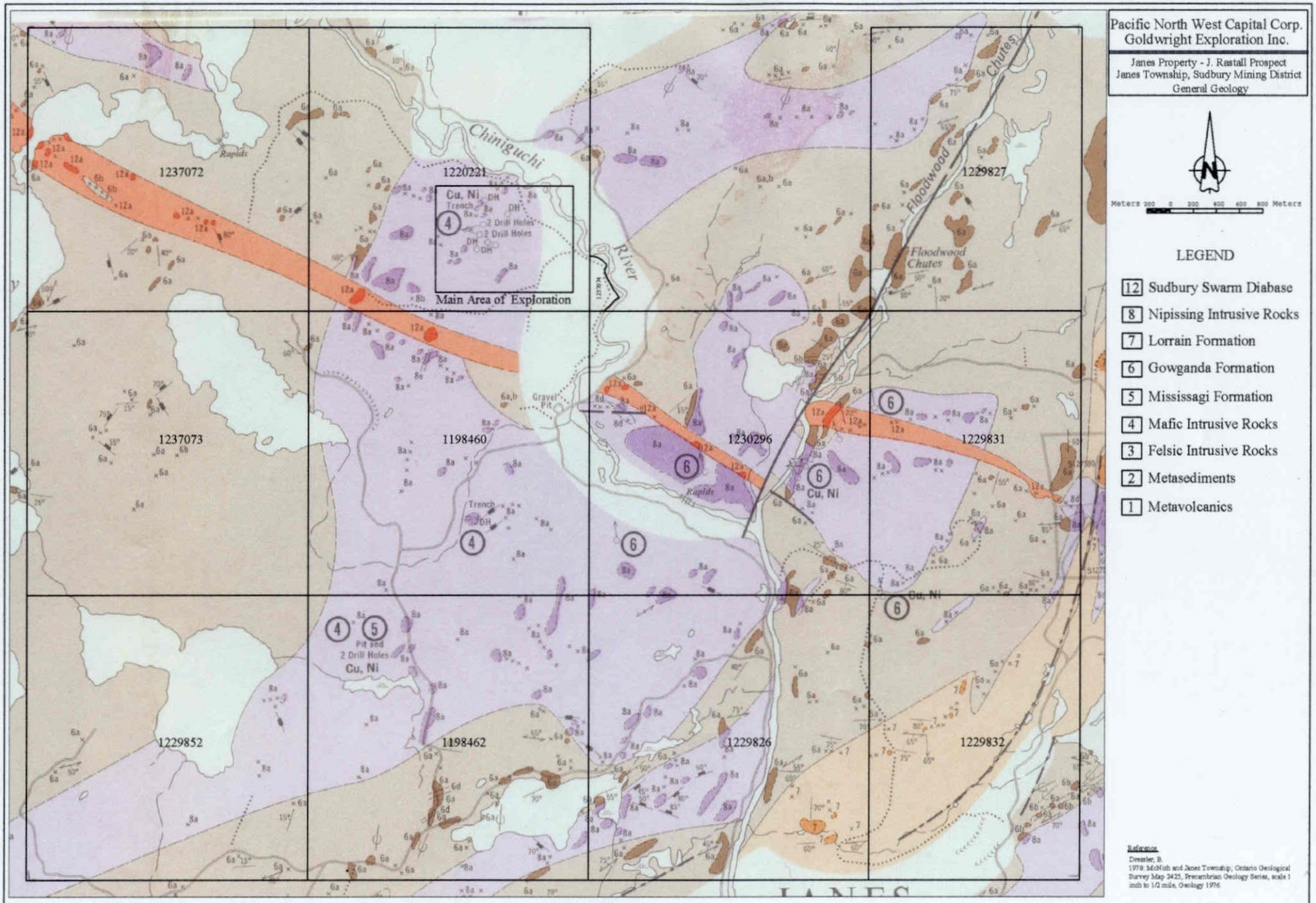

Figure 3. General Geology of Janes Property, Janes Township, Sudbury Mining District

To date, there are no known economic Ni-Cu-PGM sulphide deposits associated with Nipissing Diabase. Nonetheless, numerous showings with anomalous PGM values (1-10 g/t PGM) are recorded throughout Nipissing Diabase. Moreover, Falconbridge Ltd.'s **Shakespeare property**, about 125 km west of the City of Greater Sudbury, contains a **drill indicated and drill inferred resource of 3.3 million tonnes grading 0.37% Ni, 0.40% Cu, 0.406 g/t Pt, 0.418 g/t Pd, 0.206 g/t Au and 2.69 g/t Ag** to a depth of about 61 m, an average width of 30.5 m and a strike length of 549 m. As at the Janes property, the Ni-Cu-PGM sulphide mineralisation is hosted by gabbro, consists of the same principal sulphide minerals (chalcopyrite, pyrrhotite, pentlandite) and is proximal to the footwall contact.

6.0 PREVIOUS WORK

Kennco Explorations (Canada) Ltd. – 1969-70

Table 3 provides a summary from Kennco Explorations (Canada) Ltd.'s 1969-70 drilling program, including depth of intercept for the footwall sedimentary rocks. Estimated locations of these drill holes relative to the current exploration grid are shown in Figure 4. Documentation providing accurate collar locations for these drill holes is incomplete and although several old drill set-ups were identified in the field, the exact locations for several drill hole collars including hole 69-08 remains questionable.

Table 3. Summary of drill holes - Kennco Explorations (Canada) Ltd. 1969-1970.

DDH	Northing*	Easting*	Length (ft)	Length (m)	Dip (°)	Az	Footwall Contact (m)
69-01	60	85	394	120.09	45	270	108.50
69-02	60	85	545	166.12	90	0	161.24
69-03	-7	87	516	157.28	45	300	92.66
69-04	168	265	1264	385.27	90	0	376.12
69-06	-7	87	620	188.98	90	0	132.89
69-07	-64	110	592	180.44	90	0	158.80
69-08	**-35**	**125-40?**	**705**	**214.88**	**90**	**0**	**200.56**
69-09	-24	265	1160	353.57	90	0	324.46
70-02	-54	193	764	232.87	90	0	218.85
PS-1	194	13	63	19.20	54	270	nr
PS-2	7	-27	118	35.97	45	270	nr
PS-3	-5	-31	120	36.58	45	90	nr
PS-4	-165	48	92	28.04	72	270	nr
PS-5	-8	45	101	30.78	80	270	nr

*refers to current exploration grid; nr = not reported
1969 declination = 9°W

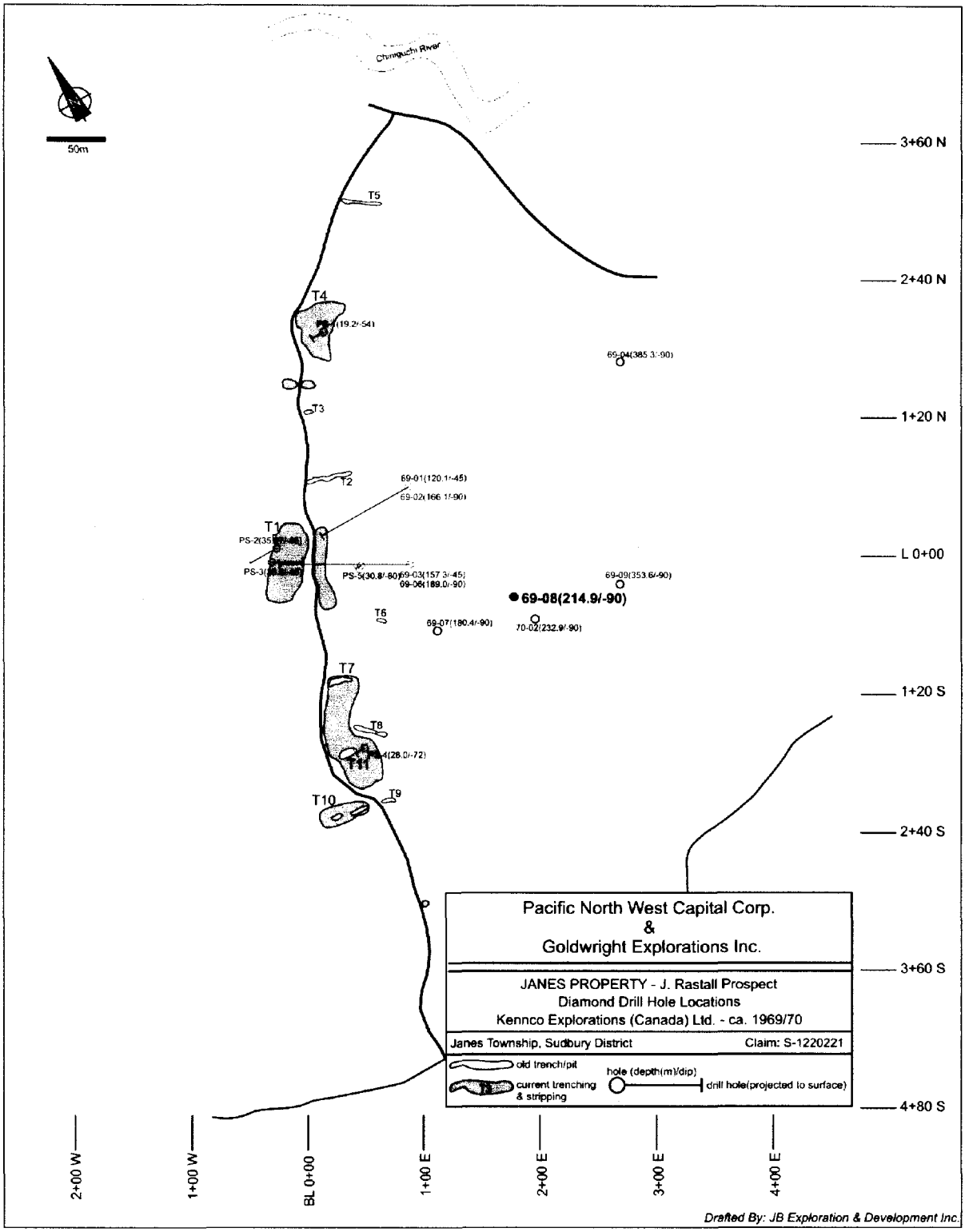

Figure 4. Exploration grid and location of drill holes from Kennco Explorations Canada Ltd. 1969-70 drill program.

Table 4 summarises several of the drill intersections from Kennco Explorations (Canada) Ltd.'s 1969-70 drilling program. Of particular note is drill hole **69-08 that intersected about 10.7 metres of 1.27% Ni and 1.59% Cu** and hole **PS-1 (packsack hole) that intersected about 1.0 metre of 4.60% Ni and 5.32% Cu**. Drill core logs for the packsack holes were apparently filed for assessment but cannot be located.

Table 4. Drill hole intersections – Kennco Explorations (Canada) Ltd. 1969-70.

DDH	Northing*	Easting*	Cu (%)	Ni (%)	From (ft)	To (ft)	Interval (ft)	Dip (°)	Az
69-01	60	85	0.27	0.16	225.5	235.5	10.0	45	270
			0.33	0.16	284.0	289.0	5.0		
69-03**	-7	87	0.39	0.15	179.0	186.0	7.0	45	300
			0.64	0.39	196.0	203.0	7.0		
69-06	-7	87	0.24	0.12	263.0	273.0	10.0	90	0
			0.25	0.16	295.5	305.5	10.0		
			0.39	0.20	336.0	344.5	8.5		
69-08	-35	175	2.42	1.66	567.0	573.0	6.0	90	0
			1.92	1.37	573.0	578.0	5.0		
			1.37	2.03	578.0	583.0	5.0		
			2.52	1.84	588.0	593.0	5.0		
			1.10	0.12	633.0	634.0	1.0		
PS-1	194	13	5.32	4.6	20.0	23.0	3.0	54	270
PS-2	7	-27	0.76	0.29	0.0	8.75	8.75	45	270
			0.44	0.19	10.0	22.0	12.0		
			0.38	0.15	25.0	34.0	9.0		
PS-3	-5	-31	0.57	1.13	0.0	68.0	68.0	45	90

*refer to current grid but are not considered reliable; **drill logs have blanked-out assays; nr=not reported; tr=trace

Falconbridge Ltd. – 1988-89

After an exploration program on the property in 1988, Falconbridge Ltd. recommended that a diamond drilling program be implemented to test the depth and strike of mineralisation on the Janes property; the program was never executed. In addition, the drill program would have tested a 6-level induced polarisation anomaly that resembles the 1998 induced polarisation survey completed by GEI. ***In 1989 Falconbridge re-assayed drill core from Kennco Explorations (Canada) Ltd.'s drill hole 69-08 and reported the following:***

Table 5. Results of re-assay of Kennco core for PGM-Cu-Ni.

Sample	Interval(m)	Length(m)	Ni(%)	Cu(%)	Pt(g/t)	Pd(g/t)	Au(g/t)	Ag(g/t)
7574	171.9-172.8	0.91	1.25	1.54	0.03	0.01	0.01	5.9
7575	172.8-174.7	1.83	2.15	1.24	0.32	0.86	0.45	7.7
7576	174.7-176.2	1.52	1.21	1.04	0.36	0.63	0.34	6.0
7577	176.2-177.7	1.52	1.54	2.55	0.10	0.66	0.11	12.1
7578	177.7-179.2	1.52	0.054	0.16	0.14	0.77	0.05	0.2
7579	**179.2-180.7**	**1.52**	**0.44**	**1.99**	**0.74**	**5.10**	**0.36**	**0.2**
7580	180.7-181.7	0.91	0.016	3.94	0.02	0.03	0.01	0.2

Falconbridge reported a weighted average of **1.51% Ni, 1.86% Cu, 0.27 g/t Pt, 1.30 g/t Pd, 0.21 g/t Au and 5.33 g/t Ag over a 7.9m interval (172.8 to 180.7 metres).** This interval was described as massive to semi-massive sulphide (chalcopyrite, pyrrhotite and pentlandite) mineralisation in pyroxenitic gabbro (most likely hypersthene or orthopyroxene-bearing gabbro).

Phase I Drilling – April 1999

A 13 hole, 1041 m (3415.5 ft), diamond-drilling program was completed in April 1999 (Figure 5); the holes were logged and sampled at various levels of detail (*see* drill report June/99). A total of 824 drill core samples were submitted for analysis of Ni, Cu, Pt, Pd and Au; values for additional elements were also provided through the ICAP-28 element analysis but are not considered in this report. Table 6 provides a summary of the sampling distribution and important geological observations and Table 7 gives a summary of the drill hole parameters.

Table 6. Summary of sample distribution, Phase I drill program.

Drill Hole	Lower Contact**	Breccia interval (m)	Pt+Pd+Au	ICAP-28*
JR99-01	not encountered	40.13-46.35	97	97
JR99-02	11.00 m	0.50-3.90 // 6.50-6.87 7.64-7.78 // 10.56-11.00	32	32
JR99-03	6.27 m	none observed	31	31
JR99-04	242.45 m	none observed	92	19
JR99-05	not encountered	none observed	65	65
JR99-06	44.38 m	33.87-36.36 // 41.32-44.38	69	69
JR99-07	231.86 m	none observed	158	125
JR99-08	33.64 m	none observed	40	40
JR99-09	not encountered	none observed	70	70
JR99-10	50.00 m	45.80-50.00	48	48
JR99-11	not encountered	43.31-43.43	65	65
JR99-12	27.34 m	none observed	25	25
JR99-13	33.04 m	none observed	32	32
		TOTALS:	**824**	**718**

*28 element analysis includes Cu-Ni; **lower sedimentary-gabbro contact

Table 7. Phase I diamond drill hole summary: Jackie Rastall prospect, Janes property.

Drill Hole	Casing (m)	Az	Dip	Length (m)	Northing	Easting	*Elevation (m)
JR99-01	4	300	-46	68	0	29	10.38
JR99-02	0	342	-52	24	181	12	5.45
JR99-03	0	0	-90	14	189	7	6.45
JR99-04	5	0	-90	245	-29	170	16
JR99-05	2	280	-45	63	-213	60	11.81
JR99-06	10	300	-45	47	-31	9	2.9
JR99-07	1	0	-90	233	29	161	20.84
JR99-08	0	340	-60	44	165	37	15.48
JR99-09	0	300	-45	62	-164	39.5	10.45
JR99-10	2	300	-45	70	-89	46	12.6
JR99-11	2	300	-70	60	0	31	10.45
JR99-12	2	300	-45	60	71	13	8.91
JR99-13	3	340	-45	51	197	51	10.72

*relative to BL0/L0+00 where elevation = 0.00m

Of the 13 drill holes, 9 holes (JR99-01, 02, 03, 05, 06, 08, 09, 10 and 11) returned anomalous (≥2 x background) base metal (Cu≥ 326 ppm, Ni≥ 178 ppm) and precious metal (PGM≥ 110 ppb) values. More importantly 8 of the 13 holes (JR99-01, 02, 03, 05, 06, 08, 09 and 11) assayed highly anomalous (≥4 x background) base metal (Cu≥ 652 ppm, Ni≥ 356 ppm) and precious metal (PGM≥ 220 ppb) values. Table 8 lists a summary of the more significant intersections.

Table 8. Summary of **Phase I Drill Intersections**, Janes property (weighted averages).

DDH	FROM (m)	TO (m)	Length* (m)	Length* (ft)	Cu (%)	Ni (%)	Cu+Ni (%)	3E (g/t)
JR99-01	35.00	50.05	15.05	49.38	0.85	0.28	1.13	2.95
incl.	40.13	44.77	4.64	15.22	1.28	0.26	1.54	3.79
JR99-02	7.78	11.00	3.22	10.56	0.77	0.36	1.13	1.71
incl.	9.92	10.56	0.64	2.10	3.37	1.67	5.04	5.21
JR99-03	0.00	8.68	8.68	28.48	0.57	0.33	0.90	3.35
incl.	0.00	3.06	3.06	10.04	1.14	0.89	2.03	8.19
incl.	6.58	8.68	2.10	6.89	0.53	0.01	0.55	1.37
JR99-05	2.75	8.01	5.26	17.26	0.23	0.11	0.34	1.12
and	23.99	32.86	8.87	29.10	0.10	0.05	0.15	0.38
JR99-06	9.90	23.91	14.01	45.97	0.83	0.35	1.19	2.78
incl.	19.76	22.16	2.40	7.87	0.89	0.47	1.36	4.53
JR99-08	35.83	37.37	1.54	5.05	0.19	0.15	0.34	6.34
JR99-09	1.63	14.49	12.86	42.19	0.28	0.11	0.39	0.39
incl.	3.21	7.85	4.64	15.22	0.53	0.20	0.74	0.59
JR99-11	32.52	48.68	16.16	53.02	0.65	0.27	0.92	2.15
incl.	42.04	47.71	5.67	18.60	0.74	0.32	1.05	3.25

**represents approximate true width in drill holes JR99-01, 05, 06 and 09*

Although drill holes JR99-04 and 07, the two longest (deepest) holes, failed to encounter significant mineralisation, it is notable that in both holes Pt and Pd values were elevated (>background). In JR99-07 values were continuously elevated from 55 m to 200 m and in JR99-04 they were intermittently elevated from 53 m to 199 m. Moreover, both holes show similar down-hole patterns in their total PGM distribution with a near-continuous increase in the PGM content to about 125 m, followed by a decline in PGM approaching the footwall sediment contact.

Phase II Drilling – Oct/Nov 1999

A total of 6 diamond drill holes (596m) were completed during the Phase II drilling program (Figure 5; Table 9). A total of 258 drill core samples were submitted for Pt, Pd, Au, Cu, Ni analysis.

Table 9. Summary of **Phase II diamond drill holes**, Janes property.

Drill Hole	#samples	Casing (m)	Az	Dip	Length (m)	Northing	Easting	*Elevation (m)
JR99-14	83	1	300	-70	101.0	0.0	66.0	23.00
JR99-15	57	1	300	-50	107.0	-31.0	74.0	27.90
JR99-16	24	2	300	-50	43.0	-164.0	69.5	10.45
JR99-17	29	1	300	-60	130.0	-31.0	99.0	30.90
JR99-18	7	2	300	-50	62.0	71.0	53.0	23.91
JR99-19	58	1	300	-70	153.0	-31.0	124.0	30.90

*relative to BL0+00/L0+00 where elevation = 0.00m

Five of the 6 drill holes had intersections that assayed anomalous PGM (2-34 x background), Cu (2-25 x background) and Ni (2-20 x background) values. A summary of the more significant PGM-Cu-Ni results is provided in Table 10.

Table 10. Summary of selected assay results, Phase II drilling, Janes property.

DDH	From (m)	To (m)	Interval (m)	*PGM (g/t)	%Cu	%Ni	Cu+Ni (%)
JR99-14	48.20	78.20	30.00	0.78	0.38	0.17	0.55
incl.	68.45	78.20	9.75	1.58	0.40	0.19	0.59
JR99-16	25.60	37.50	11.90	1.18	0.46	0.22	0.68
incl.	35.85	37.50	1.65	4.15	0.54	0.28	0.82
JR99-19	105.25	133.45	28.20	0.14	0.23	0.04	0.27
incl.	132.10	132.95	0.85	0.62	4.10	0.29	4.39
incl.	132.65	132.95	0.30	1.14	11.08	0.60	11.69
incl.	132.65	133.15	0.50	0.80	7.10	0.40	7.51

**PGM = Pt+Pd+Au; weighted averages*

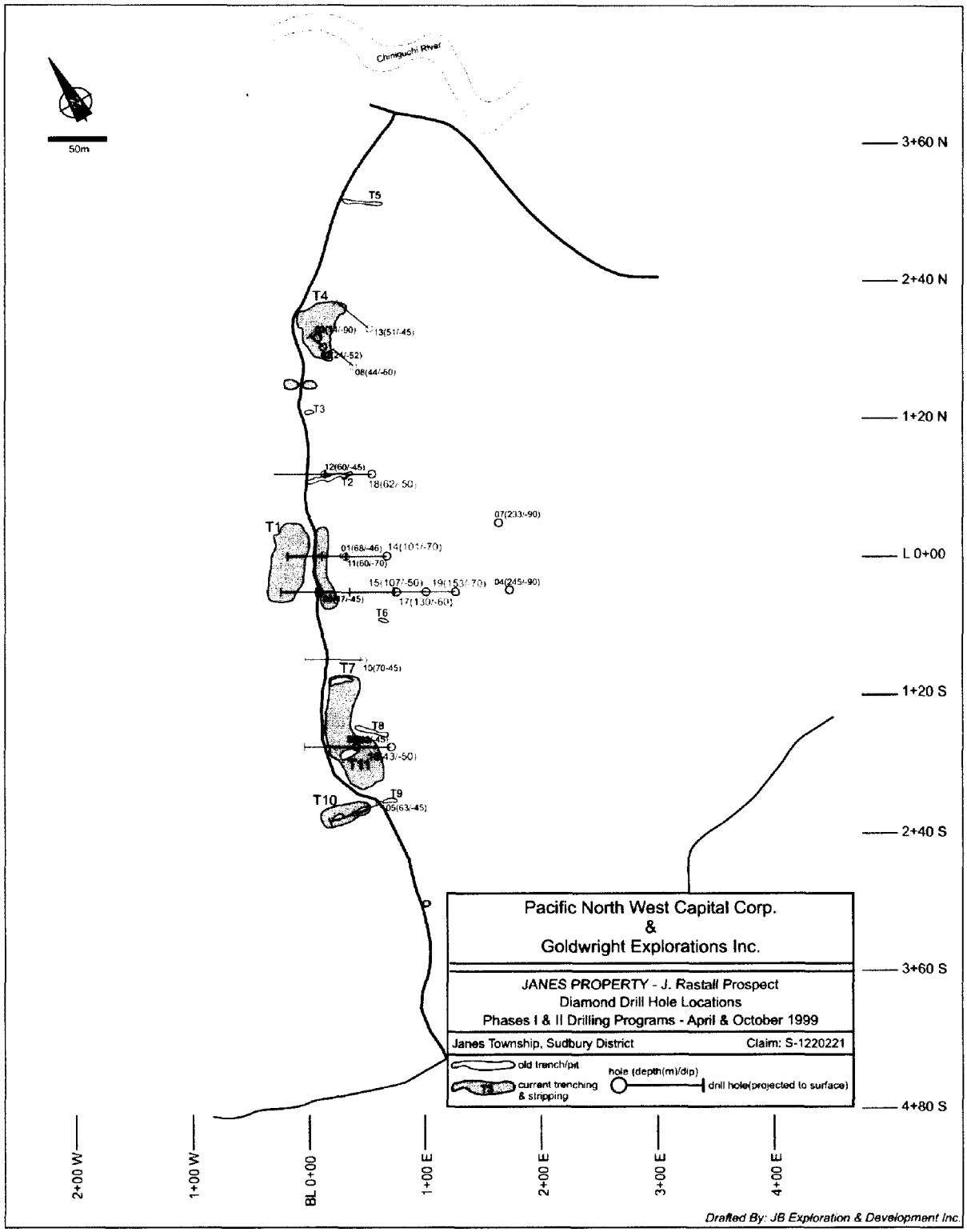

Figure 5. Location of drill holes from phases I and II drilling programs, April and October-November, 1999 (JR99-01 to 19).

7.0 CURRENT WORK

The **Phase III** drilling program consisted of 7 holes, in the north-central portion of the Janes property, mining claim S-1220221 which was completed between May 7th and June 30th, 2001 (Table 11). The 915.62m drilling program was designed to test down-dip and strike potential of known mineralisation outlined by earlier diamond drilling programs – Phase I in April, 1999, and Phase II in October-November, 1999.

Phase 3 Drilling Program

The following is a summary of the individual drill holes competed during the 3rd phase of drilling on the Janes property (see plan map in Appendix 2).

(1) The first two holes **JR01-20 & 21**, were drilled in anticipation of duplicating hole 68-08 drilled by Kennco in 1969-70, for which the exact coordinates are unknown. The current holes were collared 10 m to the east and 8 m grid north of JR99-19. The first hole, JR01-20, was vertical and intersected 3.75 m grading 767.2 ppb 3E, 0.30 % Cu, 0.12 % Ni. The mineralised zone was described as a gabbro-sediment breccia with up to 5% chalcopyrite + pyrrhotite. The second hole, JR01-21, intersected anomalous PGE values. These intersections, confirm continuity of mineralisation along strike and down dip, however the results did not duplicate those reported by Kennco.

(2) Drill holes **JR01-22, 23 and 24** were drilled approximately 25 m north of section L0+00N. Hole JR01-22 was oriented at -45 degrees, 25 m behind (east) and 25 m grid north of JR99-14. The drill hole intersected 14.5 m of 408.7 ppb 3E, 0.21 %Cu, and 0.08 %Ni that included 1.5 m of 905 ppb 3E, 0.29 %Cu and 0.11 %Ni. The rocks consisted of fine to medium-grained massive gabbro, with up to 5% disseminated chalcopyrite and pyrrhotite mineralisation. JR01-23 was collared on the same set-up, with a -70 degree dip. Mineralisation was intersected for 8.5 m, from 78-86.5 m, and graded 496.5 ppb 3E, 0.26 %Cu, 0.11 %Ni. The zone was describe as fine to medium-grained vari-textured gabbro with up to 5% disseminated and blebby sulphides. On the same section, and 35 m grid west, JR01-24 was drilled to confirm the continuity of the mineralisation up-dip. The intersection consisted of light grey fine to medium-grained gabbro with trace, finely disseminated sulphides that graded 8.0 m of 938 ppb 3E, 0.37 %Cu and 0.15 %Ni, including 4.0 m of 1114.7 ppb 3E, 0.43 %Cu and 0.18 %Ni. The three holes confirmed a semi-continuous horizon, with variable grade and thicknesses.

(3) Drill hole **JR01-25** was collared at L0+50N on the exploration grid, 25 m grid north of the previous section, and was planed to test continuity of mineralisation between sections 0+75N and 0+25N. Drilling intersected 6.5 m of 553.8 ppb 3E, 0.17 %Cu , 0.06 %Ni, in addition to a smaller zone which graded 955.4 ppb 3E, 0.15 %Cu, 0.08 %Ni over 0.85 m.

(4) Drill hole **JR01-26** was drilled 35 m grid east of JR99-05 at a dip of –45 degrees, and was designed to intersect the down-dip projection of the mineralised zone in hole JR99-05. The hole was stopped at a depth of 119 m and did not intersect significant mineralisation. The best intersection is described as a fine-grained mafic "section" of gabbro, 0.85 m in length and containing trace sulphides; the section graded 0.85 m at 1521 ppb 3E, 0.02 %Cu and 0.06 %Ni.

Geology and Mineralisation

Sulphide mineralisation is consistent with previous drilling programs and consists primarily of chalcopyrite, pyrrhotite and pentlandite in an approximately 4:2:1 ratio. Pyrite is relatively rare, observed mainly within younger shear and alteration zones, and constituting <1% of the total sulphide in the main areas of mineralisation. It is known from electron microprobe examination that some of the platinum group metals occur as discrete palladium-bismuth-tellurides and platinum-sulphide and are that the PGM intimately associated with the sulphide phases.

In terms of PGM and Cu-Ni tenor, the most significant sulphide mineralisation is primarily hosted by massive, medium-grained, hypersthene-bearing (orthopyroxene-bearing) gabbro and subordinate gabbro; orthopyroxene content ranges from 1-10%. The sulphide-rich gabbro unit(s) occur within approximately 20-50 m of the footwall sediment contact.

Disseminated sulphide mineralisation (2-15% total visible sulphide) was observed in core from 4 of the 7 drill holes (JR01-22 to 25) and characterises the main form of mineralisation. Drill holes JR01-20 and 21, collared in the vicinity of JR99-19 in which massive (>75% total sulphide), banded sulphide was intersected over a 0.30 m long intersection (53% cp, 33% po > pn, and 14% py, failed to intersect mineralisation. The source of the sulphide intersected in JR99-19 may still be present down-dip (relative to the footwall contact) of the intersection and/or toward the south-southeast.

Platinum Group & Base Metal Data

A total of 800 split (half) core samples were sent to Accurassay Laboratories in Thunder Bay for analysis; assay certificates are provided in Appendix 3. The 800 core samples averaged **58ppb Pt, 85ppb Pd, 53ppb Au (157 3E), 609ppm Cu, 265ppm Ni, 1.6 Pd/Pt and 1.7 Cu/Ni**. Averages include concentrations from all rock types that were sampled in the drill holes – i.e. gabbroic,

sedimentary and dyke rocks. In terms of PGM content, **the highest single assay was from JR01-22 which had a 0.20 metre intersection of 1.96 g/t PGM, 0.27% Cu and 0.12% Ni in disseminated sulphide**. The highest base metal assay was 0.87% Cu and 0.12% Ni from a 0.5m intersection in hole JR01-25. Graphs of depth in drill hole versus total PGM, Cu, Ni, Pd/Pt and Cu/Ni are provided in Appendix 4.

Table 11. Summary of Phase III drilling, Janes Property.

DDH	From(m)	To(m)	Int(m)	*PGM (g/t)	Ni(ppm)	Cu(ppm)
JR01-20	119.35	123.10	3.75	767.2	1242.7	3034.3
JR01-22	32.80	34.80	2.00	482.1	293.4	483.5
JR01-22	68.00	82.50	14.50	408.7	754.8	2064.1
inc.	**81.00**	**82.50**	**1.50**	**905.3**	**1145.7**	**2914.0**
JR01-23	78.00	86.50	8.50	496.5	1043.4	2632.6
inc.	82.50	86.50	4.00	542.1	1070.5	2746.0
JR01-24	37.50	43.50	6.00	481.4	1295.4	3163.0
JR01-24	**48.00**	**56.00**	**8.00**	**937.7**	**1517.4**	**3712.0**
inc.	49.00	55.50	6.50	988.4	1610.2	3975.9
inc.	**51.50**	**55.50**	**4.00**	**1114.7**	**1757.9**	**4325.6**
JR01-25	14.50	21.00	6.50	553.8	622.8	1690.7
JR01-25	**29.00**	**30.70**	**1.70**	**955.4**	**825.1**	**1531.9**
JR01-26	**29.80**	**30.65**	**0.85**	**1549.0**	**635.0**	**182.0**

**PGM = Pt+Pd+Au - weighted averages*

Assay Checks

A total of 24 pulp samples were selected to be re-assayed for Pt-Pd-Au at XRAL Laboratories in Rouyn-Noranda, Quebec. The sample check concentrations were, on average, within 25% of the original assay values (*see* Appendix 5).

8.0 CONCLUSIONS

The Phase III diamond drilling program was successful in extending the strike of sulphide mineralisation toward the northeast by approximately 50 m (JR01-22 to 25), but failed to extend or discover additional mineralization down-dip of previous drilling (JR01-20, 21). In addition, the program was not successful in discovering further sulphide mineralization toward the southern extent of the main mineralised trend (JR01-26). Nonetheless, there are several important observations and conclusions that can be made on the basis of this 3rd phase of drilling.

(1) AREA OF HISTORIC HOLE 69-08: The current program ***DID NOT*** adequately test the down-dip potential for mineralisation "behind" hole JR99-19 and did not pursue the recommendations laid out in JVX Ltd.'s down the hole IP survey which suggested a conductor southeast (and down-dip?) of JR99-19. Previous phases of drilling had confirmed the down-dip presence of the sulphide-bearing hypersthene-gabbro unit to a down-dip length of 140 m from surface, toward the southeast. Moreover, the down-dip increase in the abundance of mineralised sediment-gabbro breccia and the intersection of mobilised massive sulphide in JR99-19, suggested that an area containing sulphide (potentially massive) is present down-dip of JR99-19; the collar location of JR99-19 is thought to be within several metres west of the drill collar for Kennco's drill hole 69-08 which intersected 10.7 m of massive sulphide in the late 1960's.

(2) SOUTHERN EXTENT OF MAIN MINERALIZED ZONE: Drill hole JR01-26, collared about 20 m east of JR99-05, failed to intersect any significant mineralization and did not appear to intersect the same mineralization observed in JR99-05 and on surface in Trench 10. Moreover, neither JR99-05 or JR01-26 was drilled through to the footwall contact. At this point it is still unclear where the mineralisation in JR99-05 and Trench 10 resides in the stratigraphy of the intrusion. Furthermore, if the main stratabound mineralisation being sought on this property is located within 20-50 m of the footwall contact, then clearly this area requires deeper holes that do not terminate until this lower contact has been intersected.

9.0 RECOMMENDATIONS

Despite, disappointing results from the 3rd phase of drilling, it is the opinion of the authors that this property has merit and should be further explored for its potential to host magmatic Cu-Ni-PGE mineralization. Therefore, on the basis of surface and diamond drilling programs completed to date, it is recommended that the following programs, **totalling $285,000 to $345,000**, be implemented:

(1) Prospecting and Surface Sampling: $10,000-$15,000
Prospecting should concentrate in the area extending south of Trench 10 where there is the possibility for surface outcropping of sulphide mineralisation. In addition, the gabbro-sediment contact further to the west should be prospected for similar mineralisation.

(2) Borehole Geophysical Survey: $25,000-$30,000
Casing was left in JR99-04 and 07, the deepest of all of the drill holes on the property (JR99-04 = 243m; JR99-07 = 232m). Although significant mineralisation was not encountered in either of these holes, down the hole pulse electromagnetic surveys might delineate targets in the area. These deeper holes were chosen as to help reduce noise which is a problem when surveying in shallow (<200 m) holes. In addition, a down the hole UT-EM survey should be considered, using a number these same holes, or others (minimum of 2) that still have their casing. The purpose of the down-hole survey, regardless of method chosen, would be to detect any off-hole (3-axis trajectory), semi-massive (>15% total sulphide) to massive sulphide mineralisation, and therefore develop further drill targets.

(4) Phase IV Diamond Drilling: $250,000-300,000
A Phase 4 drill program (approximately 2500-3000 m) should be designed to further test the down-dip, southern and northern extent of mineralisation on the property, with general recommendations as follows:

a. systematic drilling of minimum 25m spaced (N-S) fences consisting of at least 4 holes per section (E-W), spaced at ~25m centres, between L2+00N and L2+00S;

b. drill deeper holes in area of Trench 10 that extend to the footwall contact, in order to properly test for contact related mineralization; and,

c. target(s) developed on the results of the borehole geophysics should be tested and further geophysical surveys carried out as necessary to refine targets.

CERTIFICATE OF QUALIFICATION

I, Scott Jobin-Bevans of 1674 Latimer Cres., Sudbury, Ontario, Canada, do hereby certify that:

1. I am a consulting geologist with the mineral exploration company J-B Exploration & Development Inc., located in Sudbury, Ontario.

2. I am a graduate of the University of Manitoba, Winnipeg, Manitoba with a B.Sc.(Hons.) Geology - 1995, and M.Sc. Geology - 1997.

3. I am a member of the Society of Economic Geologists, the Canadian Institute of Mining, Metallurgy and Petroleum, Prospectors and Developers Association of Canada and the Sudbury Prospectors and Developers Association..

4. I have been an exploration geologist and prospector for more than 12 years.

5. I am a member of the Association of Geoscientists of Ontario.

6. I have an active prospector's license for the province of Ontario (# H14027).

7. This report is intended to be an overview of the potential of the property or properties with recommendations and conclusions that are based solely on the available data.

Scott Jobin-Bevans (B.Sc., M.Sc. Geology)
November 28th, 2001

APPENDIX I

Diamond Drill Core Logs

Abbreviations Used in the Drill Logs and Text:

py	pyrite	m	metres
cp	chalcopyrite	Q-C	quartz-carbonate
po	pyrrhotite	a/w	associated with
pn	pentlandite	Pt	platinum
sed(s)	sediment	Pd	palladium
hyp	hypersthene	Au	gold
fg	fine-grained	Cu	copper
mg	medium-grained	Ni	nickel
cg	coarse-grained	diss	disseminated
peg	pegmatitic or pegmatite	CA	core axis
qtz	quartz	ts	total sulphide
carb	carbonate	DDH	diamond drill hole
PGM	platinum group metals	bx	breccia

Property: Jackie Rastall						Hole No.:JR01-20	Grid E: 135.5 Grid N: -22.0					Test Type: EZ-Shot								Storage: Fielding Road, Lively				
Location: Janes Twp.						Collar Bearing: 90	UTM N: 5171035.85					Depth:	Az.	Dip:										
Started:		May 8, 2001 8:00am				Collar Dip: -70	UTM E: 54326.59					14m	306.6	-69.5										
Completed:		May 9, 2001 4:30pm				Casing: 2 NW	NAD27/Z17					100m	309.6	-69.9						Sawed: May 9-11				
Core Size: NQ						Depth: 161m	Boxes: 39					161m	308.9	-70.3						Logged By: S.H. Halladay				
Contractor: NDS - Timmins, ON						Elevation (MSL): 267.33m	Claims: 1220221													Date: May 11, 2001				
Units: metres								Estimates																
From	To	%core	%M	%F	Rock Type	Description	%cp	%po+	%py	No.	From	To	Interval	Tag	Au	Pt	Pd	Rh	3E	4E	Ni	Cu	Pd:Pt	Cu:Ni
						SUMMARY		ppn							(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppm)	(ppm)		
0.00	1.30	0			overburden																			
1.30	13.30	100	35	65	gabbro	mg, speckled light grey massive gabbro																		
13.30	33.70	100	45	55	gabbro to hyp gabbro	approx 60% mg to fg, medium grey gabbro with up to 40% fg, darker grey gabbro containing up to 5% honey brownish hyp																		
33.70	34.60	100	55	45	mafic dyke	vfg, grey mafic dyke - chilled w "spinifex -textured" 3-5mm felsic laths w jagged edges, w no preferred orientation																		
34.60	44.95	100	40	60	gabbro	cg, altered smoky grey gabbro w patchy light greenish epidote @ 44.95m sharp sheared curvy ct CA 15 deg.																		
44.95	117.80	100	35	65	gabbro	mg, massive gabbro w 1-2% dark grey to black chl'c (?) ff's																		
117.80	119.35	100	50	50	gabbro	mg to cg, vari - textured grey gabbro w tr vfg specks po,py,cp @ 119.35m a sharp altn ct CA 70																		
119.35	124.75	100	65	35	gabbro - sediment breccia	approx 60% fg-mg gabbro w 40% black vfg sediment (argillite) w up to 5% diss cp, po																		
124.75	143.00	100	55	45	gabbro	mg, light grey gabbro locally vari- textured w tr speck of cp																		
143.00	157.90	100	60	40	gabbro	fg, medium to darker grey massive gabbro with up to 40%																		
157.90	161.00	100	30	70	sediments	vfg, brownish grey wacke sediments. Strongly sheared (CA 40-60 deg) and blocky along upper 3m . tr py specks.																		
	EOH																							

Property: Jackie Rastall						Hole No.:JR01-20	Grid E: 135.5 Grid N: -22.0					Test Type: EZ-Shot							Storage: Fielding Road, Lively					
Location: Janes Twp.						Collar Bearing: 90	UTM N: 5171035.85					Depth:	Az:	Dip:										
Started:	May 8, 2001 8:00am					Collar Dip: -70	UTM E: 54326.59					14m	306.6	-69.5										
Completed:	May 9, 2001 4:30pm					Casing: 2 NW	NAD27/Z17					100m	309.6	-69.9					Sawed: May 9-11					
Core Size: NQ						Depth: 161m	Boxes:		39			161m	308.9	-70.3					Logged By: S.H. Halladay					
Contractor: NDS - Timmins, ON						Elevation (MSL): 267.33m	Claims: 1220221												Date: May 11, 2001					
Units: metres							Estimates																	
From	To	%core	%M	%F	Rock Type	Description	%cp	%po+	%py	No.	From	To	Interval	Tag	Au	Pt	Pd	Rh	3E	4E	Cu	Ni	Pd:Pt	Cu:Ni
								ppn							(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppm)	(ppm)		
0.00	1.30	0			overburden																			
1.30	13.30	100	35	65	gabbro	mg, speckled light grey massive gabbro w several 10-60cm	nil	nil	tr	1	1.30	2.00	0.70	59001	20	21	31		72		169	325	1.5	1.9
						reddish kspar altered sections (ie. 3.5 - 4.1m, 6.3 - 6.8m) a/w	nil			2	2.00	3.50	1.50	59002	13	18	21		52		158	306	1.2	1.9
						1-5mm carb ff's and jnt coatings. Nil sulphides	nil			3	3.50	5.00	1.50	59003	11	17	15		43		145	518	0.9	3.6
							nil			4	5.00	6.50	1.50	59004	12	0	15		27		173	559	0.0	3.2
						9.3 - 13.3m blocky core due to jnts 5-8/m CA 70-80	nil			5	6.50	8.00	1.50	59005	74	0	21		95		189	532	0.0	2.8
						gradational far ct.	nil			6	8.00	9.50	1.50	59006	29	18	25		72		260	864	1.4	3.3
							nil			7	9.50	11.00	1.50	59007	49	39	37		125		654	1670	0.9	2.6
							nil			8	11.00	12.50	1.50	59008	21	20	29		70		243	663	1.5	2.7
							nil			9	12.50	13.30	0.80	59009	19	15	29		63		197	432	1.9	2.2
13.30	33.70	100	45	55	gabbro to hyp gabbro	approx 60% mg to fg, medium grey gabbro with up to 40% fg	tr	nil	tr	10	13.30	14.00	0.70	59010	15	17	26		58		188	530	1.5	2.8
						darker grey gabbro containing up to 5% honey brownish	tr	nil	tr	11	14.00	15.50	1.50	59011	19	0	25		44		142	293	0.0	2.1
						hypersthene grains to 3mm. Tr py and or cp specks, <1mm.	tr	nil	tr	12	15.50	17.00	1.50	59012	12	0	25		37		127	192	0.0	1.5
						The fg darker grey hyp - bearing gabbro are 5cm to < 1m in width.	tr	nil	tr	13	17.00	18.50	1.50	59013	16	0	25		41		169	301	0.0	1.8
							tr	nil	tr	14	18.50	20.00	1.50	59014	19	21	24		64		137	222	1.1	1.6
							tr	nil	tr	15	20.00	21.50	1.50	59015	20	0	26		46		134	235		1.8
							tr	nil	tr	16	21.50	23.00	1.50	59016	14	27	31		72		142	249	1.1	1.8
							tr	nil	tr	17	23.00	24.25	1.25	59017	30	30	42		102		192	392	1.4	2.0
						24.25 - 27.5 m several (3-5%) carbonate -qtz filled ff's to 1cm	0.5	tr	tr	18	24.25	25.00	0.75	59018	16	28	34		78		204	1151	1.2	5.6
						CA 5-20 deg, locally vuggy or open fractures w calcite and cp	tr	tr	tr	19	25.00	26.00	1.00	59019	29	42	40		111		216	698	1.0	3.2
						crystals to 1-2mm. The gabbro has brownish green altered	tr	tr	tr	20	26.00	27.50	1.50	59020	22	0	42		64		205	704	0.0	3.4
						chloritic / sericite matrix down to 27.5m. Sharp altn ct CA 60	tr	tr	tr	21	27.50	29.00	1.50	59021	21	0	39		60		150	266	0.0	1.8
							tr	tr	tr	22	29.00	30.50	1.50	59022	21	24	38		83		142	257	1.6	1.8
						27.5 - 33.7m lighter grey massive gabbro w < 2% hypersthene	tr	tr	tr	23	30.50	32.00	1.50	59023	16	0	28		44		136	234	0.0	1.7
						33.3 - 33.4m blocky core RQD=10 5-8 jnts CA 45-60.	tr	tr	tr	24	32.00	33.70	1.70	59024	30	58	64		152		178	328	1.1	1.8
						33.7m sharp broken ct CA 30-40 deg																		
33.70	34.60	100	55	45	mafic dyke	vfg, grey mafic dyke - chilled w "spinifex -textured" 3-5mm	tr	nil	tr	25	33.70	34.60	0.90	59025	14	0	18		32		223	205	0.0	0.9
						felsic laths w jagged edges. w no preferred orientation within																		
						20cm of cts. Tr to 0.5% vfg diss cp and one <1mm cp stringer																		
						at 34.35m. Sharp cts CA 30-40 deg.																		
34.60	44.95	100	40	60	gabbro	cg, altered smoky grey gabbro w patchy light greenish epidote	tr	nil	tr	26	34.60	36.00	1.40	59026	6	0	20		26		222	111	0.0	0.5
						altn in bx'd sections 39.9 - 40.38m, 42.6 - 44.95m. The latter	tr	nil	tr	27	36.00	37.00	1.00	59027	22	0	13		35		133	8	0.0	0.1
						interval is mod - strong perv epidote. < 2% qtz - carb ff CA 25	tr	nil	tr	28	37.00	38.00	1.00	59028	7	0	11		18		164	24	0.0	0.1
						locally w cg blebby po, cp, py over 10cm @ 40.28m.	tr	nil	tr	29	38.00	39.00	1.00	59029	9	23	41		73		218	104	1.8	0.5
							<0.5	nil	tr	30	39.00	39.40	0.40	59030	25	0	26		51		101	400	0.0	4.0
						39.0-39.4m felsic band with sharp but irreg cts CA 30 deg	tr	nil	tr	31	39.40	40.28	0.88	59031	16	52	42		110		276	354	0.8	1.3
						w several cg blebs of cp to 5mm within the "vein"	1	<0.5	<0.5	32	40.28	40.38	0.10	59032	164	0	22		186		1073	5461	0.0	5.1
							tr	nil	tr	33	40.38	41.00	0.62	59033	16	16	49		81		172	70	3.1	0.4
							tr	nil	tr	34	41.00	42.50	1.50	59034	25	33	60		118		151	160	1.8	1.1
							tr	nil	tr	35	42.50	43.60	1.10	59035	27	0	60		87		193	258	0.0	1.3
						@ 44.95m sharp sheared curvy ct CA 15 deg.	tr	nil	tr	36	43.60	44.95	1.35	59036	7	34	19		60		250	143	0.6	0.6
44.95	117.80	100	35	65	gabbro	mg, massive gabbro w 1-2% dark grey to black chl'c (?) ff's	tr	nil	tr	37	44.95	45.50	0.55	59037	8	35	30		73		147	216	0.9	1.5
						and jnt coatings CA 5-20 deg, locally w qtz- carb cores to 5mm	tr	nil	tr	38	45.50	47.00	1.50	59038	6	32	26		64		139	109	0.8	0.8
						and gen'y nil sulphides. Locally blocky in ct w jnts at CA 70-80	tr	nil	tr	39	47.00	48.50	1.50	59039	0	30	25		55		125	125	0.8	1.0
						Occas hematite patch along ff's.	tr	nil	tr	40	48.50	50.00	1.50	59040	7	45	25		77		116	118	0.6	1.0
							tr	nil	tr	41	50.00	51.50	1.50	59041	7	34	32		73		119	110	0.9	0.9
						61.2 - 64.2m continuous black ff's CA 5 deg. open and blocky	tr	nil	tr	42	51.50	53.00	1.50	59042	11	60	38		109		131	155	0.6	1.2
						between 63.5 - 64.2m w 10cm hematite along far ct.	tr	nil	tr	43	53.00	54.50	1.50	59043	6	51	40		97		146	184	0.8	1.3
							tr	nil	tr	44	54.50	56.00	1.50	59044	7	55	36		98		127	120	0.7	0.9
							tr	nil	tr	45	56.00	57.50	1.50	59045	7	63	43		113		106	133	0.7	1.3

Property: Jackie Rastall		Hole No.:JR01-20	Grid E: 135.5 Grid N: -22.0		Test Type: EZ-Shot			Storage: Fielding Road, Lively
Location: Janes Twp.		Collar Bearing: 90	UTM N: 5171035.85		Depth	Az	Dip	
Started:	May 8, 2001 8:00am	Collar Dip: -70	UTM E: 54326.59		14m	306.6	-89.5	
Completed:	May 9, 2001 4:30pm	Casing: 2 NW	NAD27/Z17		100m	309.6	-89.9	Sawed: May 9-11
Core Size: NQ		Depth: 161m	Boxes:	39	161m	308.9	-70.3	Logged By: S.H. Halladay
Contractor: NDS - Timmins, ON		Elevation (MSL): 267.33m	Claims: 1220221					Date: May 11, 2001
Units: metres								

From	To	%core	%M	%F	Rock Type	Description	%cp	%po+ pn	%py	No.	From	To	Interval	Tag	Au (ppb)	Pt (ppb)	Pd (ppb)	Rh (ppb)	3E (ppb)	4E (ppb)	Cu (ppm)	Ni (ppm)	Pd:Pt	Cu:Ni
							tr	nil	tr	45	57.50	59.00	1.50	59046	7	44	38		89		92	116	0.9	1.3
							tr	nil	tr	46	59.00	60.50	1.50	59047	8	49	43		100		133	164	0.9	1.2
							tr	nil	tr	47	60.50	62.00	1.50	59048	8	70	49		127		130	187	0.7	1.4
							tr	nil	tr	48	62.00	63.50	1.50	59049	0	63	50		113		143	131	0.8	0.9
							tr	nil	tr	49	63.50	65.00	1.50	59050	0	63	49		112		139	156	0.8	1.1
							tr	nil	tr	50	65.00	66.50	1.50	59051	7	55	59		121		113	128	1.1	1.1
							tr	nil	tr	51	66.50	68.00	1.50	59052	7	64	56		127		104	111	0.9	1.1
							tr	nil	tr	52	68.00	69.50	1.50	59053	8	57	58		123		103	115	1.0	1.1
							tr	nil	tr	53	69.50	71.00	1.50	59054	14	65	63		142		97	106	1.0	1.1
							tr	nil	tr	54	71.00	72.50	1.50	59055	12	52	59		123		95	102	1.1	1.1
							tr	nil	tr	55	72.50	74.00	1.50	59056	5	43	59		107		107	112	1.4	1.0
						74.5 -76.0m flat open chl'c coated jnts, also 77.0-78.2, and	tr	nil	tr	56	74.00	75.50	1.50	59057	8	53	89		150		108	124	1.7	1.1
						approx. 1-2 / 5m down to 90.8m	tr	nil	tr	57	75.50	77.00	1.50	59058	6	55	69		130		97	111	1.3	1.1
							tr	nil	tr	58	77.00	78.50	1.50	59059	0	60	80		140		100	104	1.3	1.0
							tr	nil	tr	59	78.50	80.00	1.50	59060	8	56	82		146		120	134	1.5	1.1
							tr	nil	tr	60	80.00	81.50	1.50	59061	7	43	98		148		123	174	2.3	1.4
							tr	nil	tr	61	81.50	83.00	1.50	59062	6	41	80		127		100	106	2.0	1.1
							tr	nil	tr	62	83.00	84.50	1.50	59063	6	40	78		124		96	101	2.0	1.1
							tr	nil	tr	63	84.50	86.00	1.50	59064	11	59	98		168		99	136	1.7	1.4
							tr	nil	tr	64	86.00	87.50	1.50	59065	7	30	79		116		91	116	2.6	1.3
							tr	nil	tr	65	87.50	88.55	1.05	59066	10	29	128		167		122	197	4.4	1.6
						88.55 - 89.0m <1% blebby diss po, cp within the gabbro and	tr	nil	tr	66	88.55	89.00	0.45	59067	50	124	753		927		710	1792	6.1	2.5
						along the cts of a 5mm qtz-carb stringer CA 25	tr	nil	tr	67	89.00	90.80	1.80	59068	7	33	111		151		134	198	3.4	1.5
						89.8 - 90.8m one flat open jnt w slickensides and carb-chlc	tr	nil	tr	68	90.80	92.00	1.20	59069	5	19	51		75		73	81	2.7	1.1
						coated, CA 0-5 deg.	tr	nil	tr	69	92.00	93.00	1.00	59070	0	36	46		82		84	82	1.3	1.0
						93.0 - 94.45m fg med grey gabbro w wk perv carb(?) altn and	tr	nil	tr	70	93.00	94.45	1.45	59071	6	30	47		83		149	63	1.6	0.4
						< 3% carb - qtz ff's w tr galena, and cp @ 93.9m	tr	nil	tr	71	94.45	95.00	0.55	59072	7	41	53		101		94	112	1.3	1.2
							tr	nil	tr	72	95.00	96.50	1.50	59073	7	24	70		101		96	113	2.9	1.2
							tr	nil	tr	73	96.50	98.00	1.50	59074	0	29	48		77		82	80	1.7	1.0
							tr	nil	tr	74	98.00	99.70	1.70	59075	18	0	68		86		85	86	0.0	1.0
						99.7 - 100.5 m altered (brownish carb) shear zone about a	tr	nil	tr	75	99.70	100.50	0.80	59076	13	38	46		97		145	62	1.2	0.4
						20cm fault zone from 100.1 -100.3 ct CA 60 w 7cm smoky qtz	tr	nil	tr	76	100.50	101.00	0.50	59077	11	28	58		97		121	165	2.1	1.4
						along upper ct.	tr	nil	tr	77	101.00	102.15	1.15	59078	10	0	59		69		114	256	0.0	2.2
						100.5 - 102.15m patchy cg to pegmatitic k-fsp and amph to	tr	nil	tr	78	102.15	103.00	0.85	59079	7	0	29		36		85	48	0.0	0.6
						1cm size grains, over 10-25cm sections.	tr	nil	tr	79	103.00	104.00	1.00	59080	0	0	24		24		84	103	0.0	1.2
							tr	nil	tr	80	104.00	105.50	1.50	59081	0	0	34		34		82	76	0.0	0.9
						102.15 - 117.8m gradually becoming pervasively darker grey	tr	nil	tr	81	105.50	107.00	1.50	59082	5	0	29		34		73	75	0.0	1.0
						down hole. Jnts 1-3/m CA 10-30 deg, w tr carb.	tr	nil	tr	82	107.00	108.50	1.50	59083	0	0	17		17		71	83	0.0	1.2
							tr	nil	tr	83	108.50	110.00	1.50	59084	6	0	15		21		70	66	0.0	0.9
							tr	nil	tr	84	110.00	111.50	1.50	59085	6	0	40		46		78	68	0.0	0.9
							tr	nil	tr	85	111.50	113.00	1.50	59086	0	0	27		27		73	76	0.0	1.0
						@ 117.8m grad'al ct.	tr	nil	tr	86	113.00	114.50	1.50	59087	0	0	26		26		71	77	0.0	1.1
										87	114.50	116.00	1.50	59088	6	0	16		22		78	93	0.0	1.2
117.80	119.35	100	50	50	gabbro	mg to cg, vari - textured grey gabbro w tr vfg specks po,py,cp	tr	tr	tr	88	116.00	117.80	1.80	59089	0	0	15		15		87	75	0.0	0.9
						@ 119.35m a sharp altn ct CA 70.	tr	tr	tr	89	117.80	118.30	0.50	59090	7	17	14		38		155	123	0.0	0.8
							tr	tr	tr	90	118.30	118.80	0.50	59091	7	0	16		23		116	158	0.0	1.4
							tr	tr	tr	91	118.80	119.35	0.55	59092	18	0	54		72		198	240	0.0	1.2
119.35	124.75	100	65	35	gabbro - sediment	approx 60% fg to mg gabbro w 40% black vfg sediment (argillite)	<1	tr	tr	92	119.35	120.00	0.65	59093	121	119	453		693		608	1772	3.8	2.9
					breccia	fragments up to 1.5m both units carrying fg to bs cp, po up to	2	1	tr	93	120.00	120.50	0.50	59094	126	135	539		800		835	2810	4.0	3.4
						5%. Fragment cts gen'y greater than 35 deg to CA.	2	2	1	94	120.50	121.00	0.50	59095	207	214	766		1187		1693	4456	3.6	2.6
							2	1	tr	95	121.00	121.50	0.50	59096	71	64	307		442		649	1026	4.8	1.6
							3	2	tr	96	121.50	122.00	0.50	59097	119	137	451		707		1284	3036	3.3	2.4
							3	2	tr	97	122.00	122.20	0.20	59098	144	129	603		876		1584	3842	4.7	2.4
							<1	<0.5	tr	98	122.20	122.50	0.30	59099	118	106	512		736		1061	1816	4.8	1.7
							3	2	1	99	122.50	123.10	0.60	59100	199	138	434		771		2332	5416	3.1	2.3

Property: Jackie Rastall
Location: Janes Twp.
Started: May 8, 2001 8:00am
Completed: May 9, 2001 4:30pm
Core Size: NQ
Contractor: NDS - Timmins, ON
Units: metres

Hole No.:JR01-20
Collar Bearing: 90
Collar Dip: -70
Casing: 2 NW
Depth: 161m
Elevation (MSL): 267.33m

Grid E: 135.5 Grid N: -22.0
UTM N: 5171035.85
UTM E: 54326.59
NAD27/Z17
Boxes: 39
Claims: 1220221

Test Type: EZ-Shot

Depth:	Az:	Dip:
14m	306.6	-69.5
100m	309.6	-69.9
161m	308.9	-70.3

Storage: Fielding Road, Lively
Sawed: May 9-11
Logged By: S.H. Halladay
Date: May 11, 2001

From	To	%core	%M	%F	Rock Type	Description	%cp	%po+pn	%py	No.	From	To	Interval	Tag	Au (ppb)	Pt (ppb)	Pd (ppb)	Rh (ppb)	3E (ppb)	4E (ppb)	Cu (ppm)	Ni (ppm)	Pd:Pt	Cu:Ni
						123.1 -124.75m large sediment frag	<1	<0.5	tr	100	123.10	123.50	0.40	58101	5	0	13		18		147	77	0.0	0.5
							tr	tr	tr	101	123.50	124.00	0.50	59102	16	0	22		38		187	619	0.0	3.3
							tr	tr	tr	102	124.00	124.75	0.75	59103	29	0	79		108		443	1187	0.0	2.7
124.75	143.00	100	55	45	gabbro	mg, light grey gabbro locally vari- textured w tr speck of cp	<0.5	<0.5	tr	103	124.75	125.00	0.25	59104	65	57	148		270		909	2241	2.6	2.5
							<0.5	<0.5	tr	104	125.00	125.50	0.50	59105	13	0	17		30		87	168	0.0	1.9
							<0.5	<0.5	tr	105	125.50	126.00	0.50	59106	200	37	227		464		1339	3276	6.1	2.4
							tr	tr	tr	106	126.00	126.50	0.50	59107	7	0	25		32		58	82	0.0	1.4
							tr	tr	tr	107	126.50	127.00	0.50	59108	0	0	10		10		63	87	0.0	1.4
							tr	tr	tr	108	127.00	128.00	1.00	59109	0	0	11		11		62	81	0.0	1.3
							tr	nil	nil	109	128.00	129.50	1.50	59110	0	0	12		12		64	80	0.0	1.3
							tr	nil	nil	110	129.50	131.00	1.50	59111	0	0	13		13		75	90	0.0	1.2
						131.8m a 2-3cm qtz - carb ff CA 55 deg.	tr	nil	nil	111	131.00	132.50	1.50	59112	0	0	10		10		64	81	0.0	1.3
							tr	nil	nil	112	132.50	134.00	1.50	59113	6	0	0		6		60	83	0.0	1.4
							tr	nil	nil	113	134.00	135.50	1.50	59114	0	0	18		18		65	84	0.0	1.3
							tr	nil	nil	114	135.50	137.00	1.50	59115	0	0	0		0		58	84	0.0	1.4
						139.7-140.1m blocky core	tr	nil	nil	115	137.00	138.50	1.50	59116	0	0	0		0		83	101	0.0	1.2
							tr	nil	nil	116	138.50	140.00	1.50	59117	5	0	16		21		93	124	0.0	1.3
						@143.0m gradational ct, becoming finer grained and slightly	tr	nil	nil	117	140.00	141.50	1.50	59118	7	0	0		7		76	117	0.0	1.5
						darker grey down hole.	tr	nil	nil	118	141.50	143.00	1.50	59119	0	0	0		0		58	92	0.0	1.6
							nil	nil	nil	119	143.00	144.50	1.50	59120	17	82	43		142		45	88	0.5	2.0
143.00	157.90	100	60	40	gabbro	fg, medium to darker grey massive gabbro with up to 40%	nil	nil	nil	120	144.50	146.00	1.50	59121	0	0	12		12		46	90	0.0	2.0
						fg <1mm fsp grains. Grain size is decreasing and colour index	nil	nil	nil	121	146.00	147.50	1.50	59122	5	0	13		18		53	93	0.0	1.8
						increasing toward sediment ct down hole.	nil	nil	nil	122	147.50	149.00	1.50	59123	0	0	13		13		50	98	0.0	2.0
							nil	nil	nil	123	149.00	150.50	1.50	59124	6	0	13		19		56	94	0.0	1.7
						147.05 - 147.25 weak shear(?), 5-8 qtz - carb ff's CA 45-70 deg	nil	nil	nil	124	150.50	152.00	1.50	59125	0	0	10		10		55	94	0.0	1.7
							nil	nil	nil	125	152.00	153.50	1.50	59126	11	0	11		22		69	175	0.0	2.5
						151.0 - 157.9m up to 5% wispy greenish white carb ff's and jnt	nil	nil	nil	126	153.50	155.00	1.50	59127	6	0	14		20		73	98	0.0	1.3
						coatings CA 35 and 65 mainly, locally micro-faulted w	nil	nil	nil	127	155.00	156.50	1.50	59128	8	30	14		52		71	108	0.5	1.5
						mm-offsets. Last metre is vfg.	nil	nil	nil	128	156.50	157.90	1.40	59129	9	0	0		9		93	225	0.0	2.4
						157.75 - 157.9m 15% qtz-carb tension gash - fillings 1-2mm by																		
						3-5mm in size normal to sharp sediment ct CA 20 deg.																		
157.90	161.00	100	30	70	sediments	vfg, brownish grey wacke sediments. Strongly sheared (CA 40-	nil	nil	nil	129	157.90	159.00	1.10	59130	5	0	12		17		66	113	0.0	1.7
	EOH					60 deg) and blocky along upper 3m , tr py specks.	nil	nil	nil	130	159.00	160.00	1.00	59131	6	0	0		6		46	28	0.0	0.6
							nil	nil	nil	131	160.00	161.00	1.00	59132	0	0	0		0		45	38	0.0	0.8
						@ 161.0m end of hole																		

Property: Jackie Rastall	Hole No.:JR01-21	Grid E: 135.5 Grid N: -22	Test Type: EZ-Shot	Storage: Fielding Road, Lively
Location: Janes Twp.	Collar Bearing: 90	UTM N: 5171035.85	Depth: / Az: / Dip:	
Started: May 9, 2001 6pm	Collar Dip: -90	UTM E: 547326.59	14m / 306.6 / -69.5	
Completed: May 11, 2001 ?am	Casing: 2 NW	NAD27/Z17	100m / 309.6 / -69.9	Sawed: May 12-13, 2001
Core Size: NQ	Depth: 221m	Boxes: 54	221m / 308.9 / -70.3	Logged By: S.H. Halladay
Contractor: NDS - Timmins, ON	Elevation (MSL): 267.33	Claims: 1220221		Date: May 14, 2001

Units: metres

From	To	%core	%M	%F	Rock Type	Description SUMMARY	Estimates %cp	%po+pn	%py	No.	From	To	Interval	Tag	Au (ppb)	Pt (ppb)	Pd (ppb)	Rh (ppb)	3E (ppb)	4E (ppb)	Cu (ppm)	Ni (ppm)	Pd:Pt	Cu:Ni
0.00	1.50	100			overburden																			
1.50	33.50	100	55	45	gabbro	mixed zone of 60% mg gabbro and 30-40% fg dark grey gabbro																		
33.50	58.20	100	40	60	gabbro	mg, light grey massive gabbro w tr specks of py, cp																		
						@ 58.2m sharp sheared ct CA 35 deg w 2mm paste.																		
58.20	65.50	100	10	90	sediments	vfg buff grey to dark grey wacke sediments.																		
65.50	77.00	100	45	55	gabbro	mg light -medium grey massive gabbro w occ tr speck of py, cp,po																		
77.00	95.85	100	60	40	mixed gabbro	Alternating bands of dark grey fg gabbro with light grey mg gabbro																		
95.85	113.35	100	45	55	gabbro	mg, light grey to greenish grey massive gabbro w 2% qtz-carb ff's																		
113.35	114.20	95	50	50	fault zone	sharp upper ct CA 45 degrees with black chlorite																		
114.20	126.35	100	55	45	gabbro	as above 95.85 - 113.35																		
						mg, light to med grey massive gabbro w < 1% carb-qtz 1mm																		
						@ 126.35m sharp sheared / faulted ct CA 25 deg w 2mm gouge.																		
126.35	132.00	100	20	80	sediments	fg grey till with up to 5% rounded fragments 3mm to 2cm in size,																		
132.00	176.00	100	60	40	gabbro	as above 114.2 - 126.35 , slightly darker grey, more mafic																		
176.00	182.00	100	45	55	vari- textured	70% mg, light grey gabbro w																		
					gabbro	30% fg to vfg, dark green grey mela gabbro fragments(?)																		
182.00	189.25	100	40	60	gabbro	fg to mg, light grey massive gabbro w tr speck of po, and 1% qtz-c																		
189.25	189.40	100	20	80	fault zone	brecciated rehealed carb - qtz filled fault zone w sharp upper ct CA60																		
189.40	192.50	100	40	60	gabbro	as above (182 - 189.25m), blocky throughout w < 1% qtz - carb																		
192.50	196.70	100	45	55	gabbro	fg to mg altered light grey gabbro containing up to 10% qtz- carb																		
196.70	203.30	100	55	45	gabbro	fg, medium grey massive gabbro. Nil sulphides																		
203.30	217.30	100	60	40	gabbro	fg to vfg, green grey massive gabbro containing up to 10% qtz -																		
						carb ff's <1mm to 3cm.																		
217.30	221.00	100	20	80	footwall	mixed footwall rocks - approx 70% pinkish grey vfg felsic (granite																		
	EOH					& tonalite ?) and vfg dark grey wackes . Tr speck of py in wacke																		

Property: Jackie Rastall						Hole No.:JR01-21	Grid E: 135.5 Grid N: -22			Test Type: EZ-Shot									Storage: Fielding Road, Lively								
Location: Janes Twp.						Collar Bearing: 90	UTM N: 5171035.85			Depth:	Az:	Dip:															
Started:		May 9, 2001 6pm				Collar Dip: -90	UTM E: 547326.59			14m	306.6	-69.5															
Completed:		May 11, 2001 ?am				Casing: 2 NW	NAD27/Z17			100m	309.6	-69.9							Sawed: May 12-13, 2001								
Core Size: NQ						Depth: 221m	Boxes: 54			221m	308.9	-70.3							Logged By: S.H. Halladay								
Contractor: NDS - Timmins, ON						Elevation (MSL): 267.33	Claims: 1220221												Date: May 14, 2001								
Units: metres								Estimates																			
From	To	%core	%M	%F	Rock Type	Description	%cp	%po+ pn	%py	No.	From	To	Interval	Tag	Au (ppb)	Pt (ppb)	Pd (ppb)	Rh (ppb)	3E (ppb)	4E (ppb)	Cu (ppm)	Ni (ppm)	Pd:Pt	Cu:Ni
0.00	1.50	100			overburden																			
1.50	33.50	100	55	45	gabbro	mixed zone of 60% mg gabbro and 30-40% fg dark grey gabbro	nil	nil	nil	1	1.50	2.00	0.50	59133	19	0	22		41		349	165	0.0	0.0
						as 30cm to 2m sections, cts gen'y gradational. Patchy hyper-	tr	nil	tr	2	2.00	3.50	1.50	59134	17	0	0		17		229	125	0.0	0.0
						sthene grains <2% within the darker grey gabbro sections. Tr	tr	nil	tr	3	3.50	4.70	1.20	59135	11	0	10		21		227	123	0.0	0.0
						specks and wispy fracture coatings of py, and or cp.	tr	nil	tr	4	4.70	6.50	1.80	59136	15	0	0		15		439	155	0.0	2.8
							tr	nil	tr	5	6.50	8.00	1.50	59137	18	0	14		32		386	173	0.0	2.2
						4.7 - 10.0 m 65-75% dark brownish grey weakly altered (hematite)	tr	nil	tr	6	8.00	10.00	2.00	59138	16	0	0		16		381	183	0.0	2.1
						blocky gabbro . Jnts 4-10/m CA 40-60 deg.	tr	nil	tr	7	10.00	11.00	1.00	59139	10	0	0		10		283	149	0.0	1.9
							tr	nil	tr	8	11.00	12.50	1.50	59140	21	0	16		37		728	273	0.0	2.7
						Note: trying different sample widths in gen'y non-mineralized	tr	nil	tr	9	12.50	14.00	1.50	59141	67	37	40		144		1774	808	1.1	2.2
						core is see if there is any difference in grades	tr	nil	tr	10	14.00	15.50	1.50	59142	20	28	18		66		365	174	0.6	2.1
							tr	nil	tr	11	15.50	17.00	1.50	59143	25	17	17		59		372	187	1.0	2.0
						12.75m a 5mm qtz carb shear CA 80	tr	nil	tr	12	17.00	18.50	1.50	59144	18	0	18		36		408	186	0.0	2.2
							tr	nil	tr	13	18.50	20.00	1.50	59145	19	34	23		76		247	147	0.7	1.7
						15.7 - 17.0m blocky core due to xcutting jnt sets CA 20 and 45	tr	nil	tr	14	20.00	21.50	1.50	59146	24	21	16		61		378	175	0.8	2.2
							tr	nil	tr	15	21.50	23.00	1.50	59147	22	36	23		81		360	227	0.6	1.6
						@ 19.5 m a 5cm orange red hematite stained qtz-fsp vein CA 40	tr	nil	tr	16	23.00	24.50	1.50	59148	10	16	31		57		237	115	1.9	2.1
						also a 10cm white grey qtz vein CA 45 at 20.8m	tr	nil	tr	17	24.50	26.00	1.50	59149	10	30	15		55		260	132	0.5	2.0
							tr	nil	tr	18	26.00	27.50	1.50	59150	9	16	20		45		254	127	1.3	2.0
						20.0 - 30.0 occ jnt has thin epidote green & dark green chl coating	tr	nil	tr	19	27.50	29.00	1.50	59151	11	23	23		57		321	141	1.0	2.3
							tr	nil	tr	20	29.00	30.50	1.50	59152	14	0	25		39		328	140	0.0	2.3
							tr	nil	tr	21	30.50	32.00	1.50	59153	21	23	27		71		399	171	1.2	2.3
						@ 32.0 - 33.5 end of dark grey gabbro sections	tr	nil	tr	22	32.00	33.50	1.50	59154	17	28	24		69		277	131	0.9	2.1
33.50	58.20	100	40	60	gabbro	mg, light grey massive gabbro w tr specks of py, cp, and approx	tr	tr	tr	23	33.50	35.00	1.50	59155	11	28	22		61		231	113	0.8	2.0
						30-40% of jnts have carb and or chl'c - epidote mm-coatings.	tr	tr	tr	24	35.00	36.50	1.50	59156	16	0	24		40		264	144	0.0	1.8
						Main jnt sets 25 and 50 deg.	tr	tr	tr	25	36.50	38.00	1.50	59157	11	17	22		50		251	140	1.3	1.8
							tr	tr	tr	26	38.00	39.50	1.50	59158	13	0	24		37		328	160	0.0	2.1
						41.8m a 1cm qtz - carb shear CA 20	tr	tr	tr	27	39.50	41.00	1.50	59159	13	0	24		37		246	157	0.0	1.6
							tr	tr	tr	28	41.00	42.50	1.50	59160	10	0	33		43		211	149	0.0	1.4
							tr	tr	tr	29	42.50	44.00	1.50	59161	15	18	28		61		287	152	1.6	1.9
							tr	tr	tr	30	44.00	45.50	1.50	59162	24	33	29		86		542	277	0.9	2.0
							tr	tr	tr	31	45.50	47.00	1.50	59163	20	52	31		103		404	183	0.6	2.2
							tr	tr	tr	32	47.00	48.50	1.50	59164	17	54	35		106		300	152	0.6	2.0
							tr	tr	tr	33	48.50	50.00	1.50	59165	22	35	31		88		373	176	0.9	2.1
							tr	tr	tr	34	50.00	51.50	1.50	59166	16	41	33		90		386	168	0.8	2.3
							tr	tr	tr	35	51.50	53.00	1.50	59167	12	43	27		82		234	130	0.6	1.8
						57.1 - 57.25m a 1cm pink carb - qtz veinlet CA 30 deg.	tr	tr	tr	36	53.00	54.50	1.50	59168	11	0	14		25		189	114	0.0	1.7
							tr	tr	tr	37	54.50	56.00	1.50	59169	5	0	18		23		147	104	0.0	1.4
							tr	tr	tr	38	56.00	57.50	1.50	59170	8	0	14		22		172	136	0.0	1.3
						@ 58.2m sharp sheared ct CA 35 deg w 2mm paste.	tr	tr	tr	39	57.50	58.20	0.70	59171	9	23	20		52		238	150	0.9	1.6
58.20	65.50	100	10	90	sediments	vfg buff grey to dark grey wacke sediments. Contains minor	nil	nil	nil	40	58.20	59.00	0.80	59172	0	17	0		17		9	63	0.0	0.1
						<1%) soft-sediment deformation (ie. At 62m), patchy speckled	nil	nil	nil	41	59.00	60.50	1.50	59173	0	0	0		0		5	78	0.0	0.1
						epidote altn (ie 61.7 - 62m) and siliceous - hematite stained	nil	nil	nil	42	60.50	62.00	1.50	59174	0	0	0		0		6	58	0.0	0.1
						sheared blocky cts CA 35 deg.	nil	nil	nil	43	62.00	63.50	1.50	59175	0	0	0		0		11	57	0.0	0.2
							nil	nil	nil	44	63.50	65.00	1.50	59176	0	0	0		0		8	60	0.0	0.1
							nil	nil	nil	45	65.00	65.50	0.50	59177	0	0	0		0		10	77	0.0	0.1
65.50	77.00	100	45	55	gabbro	mg light to medium grey massive gabbro w occ tr speck of py,	tr	tr	tr	46	65.50	66.50	1.00	59178	8	0	19		27		115	100	0.0	1.2
						po, or cp. 76.5 - 77.0 m becoming darker grey down hole	tr	tr	tr	47	66.50	68.00	1.50	59179	8	29	25		62		117	88	0.9	1.3
							tr	tr	tr	48	68.00	69.50	1.50	59180	7	21	31		59		125	92	1.5	1.4
							tr	tr	tr	49	69.50	71.00	1.50	59181	15	0	30		45		205	112	0.0	1.8
							tr	tr	tr	50	71.00	72.50	1.50	59182	12	44	40		96		133	79	0.9	1.7

Property: Jackie Rastall	Hole No.:JR01-21	Grid E: 135.5 Grid N: -22	Test Type: EZ-Shot	Storage: Fielding Road, Lively
Location: Janes Twp.	Collar Bearing: 90	UTM N: 5171035.85	Depth: / Az: / Dip:	
Started: May 9, 2001 6pm	Collar Dip: -90	UTM E: 547326.59	14m / 306.6 / -69.5	
Completed: May 11, 2001 ?am	Casing: 2 NW	NAD27/Z17	100m / 309.6 / -69.9	Sawed: May 12-13, 2001
Core Size: NQ	Depth: 221m	Boxes: 54	221m / 308.9 / -70.3	Logged By: S.H. Halladay
Contractor: NDS - Timmins, ON	Elevation (MSL): 267.33	Claims: 1220221		Date: May 14, 2001
Units: metres				

From	To	%core	%M	%F	Rock Type	Description	%cp	%po+ pn	%py	No.	From	To	Interval	Tag	Au (ppb)	Pt (ppb)	Pd (ppb)	Rh (ppb)	3E (ppb)	4E (ppb)	Cu (ppm)	Ni (ppm)	Pd:Pt	Cu:Ni
							tr	tr	tr	51	72.50	74.00	1.50	59183	17	37	36		90		193	110	1.0	1.8
							tr	tr	tr	52	74.00	75.50	1.50	59184	12	31	28		71		117	86	0.9	1.4
							tr	tr	tr	53	75.50	77.00	1.50	59185	12	45	37		94		128	93	0.8	1.4
77.00	95.85	100	60	40	mixed gabbro	Alternating bands or sections of dark grey fg gabbro with light	<0.5	<0.5	<0.5	54	77.00	77.50	0.50	59186	14	25	41		80		200	103	1.6	1.9
						grey, mg gabbro w grad'al cts over 5cm. Approx. 60 - 70% dark	<0.5	<0.5	<0.5	55	77.50	78.00	0.50	59187	10	23	38		71		106	58	1.7	1.8
						grey altered gabbro to 30-40% light grey gabbro. Tr sulphides.	<0.5	<0.5	<0.5	56	78.00	78.50	0.50	59188	13	27	40		80		120	58	1.5	2.1
							<0.5	<0.5	<0.5	57	78.50	79.00	0.50	59189	8	15	37		60		92	48	2.5	1.9
						77.0 - 80.0m dark grey , fg, massive altered gabbro w <0.5%	<0.5	<0.5	<0.5	58	79.00	79.50	0.50	59190	8	42	45		95		96	55	1.1	1.7
						total visual sulphides (ppo, py, cp).	<0.5	<0.5	<0.5	59	79.50	80.00	0.50	59191	9	53	34		96		77	55	0.6	1.4
							tr	tr	tr	60	80.00	81.50	1.50	59192	13	32	57		102		94	66	1.8	1.4
							tr	tr	tr	61	81.50	83.00	1.50	59193	7	26	45		78		85	65	1.7	1.3
							tr	tr	tr	62	83.00	84.50	1.50	59194	8	20	40		68		71	73	2.0	1.0
							tr	tr	tr	63	84.50	86.00	1.50	59195	15	41	97		153		142	113	2.4	1.3
							tr	tr	tr	64	86.00	87.50	1.50	59196	7	41	61		109		106	84	1.5	1.3
							tr	tr	tr	65	87.50	89.00	1.50	59197	8	66	90		164		135	105	1.4	1.3
							tr	tr	tr	66	89.00	90.50	1.50	59198	0	29	64		93		79	74	2.2	1.1
							tr	tr	tr	67	90.50	92.00	1.50	59199	7	60	64		131		102	76	1.1	1.3
							tr	tr	tr	68	92.00	93.50	1.50	59200	8	67	41		116		73	70	0.6	1.0
							tr	tr	tr	69	93.50	95.00	1.50	59201	8	34	45		87		124	76	1.3	1.6
							tr	tr	tr	70	95.00	95.85	0.85	59202	8	40	52		100		72	74	1.3	1.0
95.85	113.35	100	45	55	gabbro	mg, light grey to greenish grey massive gabbro w up to 2% qtz -	tr	tr	tr	71	95.85	96.50	0.65	59203	7	50	47		104		80	74	0.9	1.1
						carb clots, wisps and 2cm ff's and jnt coatings. Tr specks of po	tr	tr	tr	72	96.50	98.00	1.50	59204	7	53	54		114		220	99	1.0	2.2
						of cp	tr	tr	tr	73	98.00	99.50	1.50	59205	11	42	68		121		66	91	1.6	0.7
							tr	tr	tr	74	99.50	101.00	1.50	59206	11	80	84		175		99	103	1.1	1.0
							tr	tr	tr	75	101.00	102.50	1.50	59207	11	21	78		110		136	94	3.7	1.4
							tr	tr	tr	76	102.50	104.00	1.50	59208	8	53	87		148		109	91	1.6	1.2
							tr	tr	tr	77	104.00	105.50	1.50	59209	9	63	68		140		120	81	1.1	1.5
							tr	tr	tr	78	105.50	107.00	1.50	59210	13	51	69		133		127	89	1.4	1.4
							tr	tr	tr	79	107.00	108.50	1.50	59211	9	38	69		116		102	82	1.8	1.2
							tr	tr	tr	80	108.50	110.00	1.50	59212	7	30	57		94		99	69	1.9	1.4
							tr	tr	tr	81	110.00	111.50	1.50	59213	8	40	76		124		104	89	1.9	1.2
							tr	tr	tr	82	111.50	112.50	1.00	59214	9	54	95		158		166	117	1.8	1.4
							tr	tr	tr	83	112.50	113.35	0.85	59215	6	40	71		117		137	147	1.8	0.9
113.35	114.20	95	50	50	fault zone	sharp upper ct CA 45 degrees with black chlorite and 10cm of	tr	tr	tr	84	113.35	114.20	0.85	59216	10	34	54		98		100	161	1.6	0.6
						smoky grey qtz, then sheared gabbro to 114.2m CA 40-50 deg.																		
						nil sulphides																		
114.20	126.35	100	55	45	gabbro	as above 95.85 - 113.35	tr	tr	tr	85	114.20	115.00	0.80	59217	11	32	87		130		112	92	2.7	1.2
						mg, light to med grey massive gabbro w < 1% carb-qtz 1mm	nil	nil	tr	86	115.00	116.00	1.00	59218	22	33	148		203		212	122	4.5	1.7
						jnt coatings CA 35 to 45 deg. Tr speck of py.	nil	nil	tr	87	116.00	117.50	1.50	59219	15	17	72		104		111	80	4.2	1.4
							nil	nil	tr	88	117.50	119.00	1.50	59220	13	0	90		103		110	85	0.0	1.3
							nil	nil	tr	89	119.00	120.50	1.50	59221	10	19	75		104		101	71	3.9	1.4
							nil	nil	tr	90	120.50	122.00	1.50	59222	7	0	71		78		92	64	0.0	1.4
							nil	nil	tr	91	122.00	123.50	1.50	59223	7	25	76		108		115	81	3.0	1.4
						@ 126.35m sharp sheared / faulted ct CA 25 deg w 2mm gouge.	nil	nil	tr	92	123.50	125.00	1.50	59224	7	0	55		62		109	77	0.0	1.4
							nil	nil	tr	93	125.00	126.35	1.35	59225	0	0	47		47		75	72	0.0	1.0
126.35	132.00	100	20	80	sediments	fg grey till with up to 5% rounded fragments 3mm to 2cm in size,	nil	nil	tr	94	126.35	128.00	1.65	59226	0	16	0		16		56	61	0.0	0.9
						both mafic (black, fg and mg) & felsic (fsp, qtz, granitic to dioritic)	nil	nil	tr	95	128.00	129.50	1.50	59227	0	0	0		0		45	54	0.0	0.8
						composition. Tr py along fractures and jnts.	nil	nil	<1	96	129.50	131.00	1.50	59228	0	0	0		0		31	65	0.0	0.5
						130.45 - 132.0m dark grey to black, fg to vfg argillite (possibly	nil	nil	<1	97	131.00	132.00	1.00	59229	0	0	0		0		20	79	0.0	0.3
						a dark wacke) w sharp cts CA 25 deg. UP to 1% smeared py																		
						along jnts and fractures CA 20-40 deg.																		

Property: Jackie Rastall		Hole No.:JR01-21	Grid E: 135.5 Grid N: -22	Test Type: EZ-Shot			Storage: Fielding Road, Lively
Location: Janes Twp.		Collar Bearing: 90	UTM N: 5171035.85	Depth:	Az:	Dip:	
Started:	May 9, 2001 6pm	Collar Dip: -90	UTM E: 547326.59	14m	306.6	-69.5	
Completed:	May 11, 2001 ?am	Casing: 2 NW	NAD27/Z17	100m	309.6	-69.9	Sawed: May 12-13, 2001
Core Size: NQ		Depth: 221m	Boxes: 54	221m	308.9	-70.3	Logged By: S.H. Halladay
Contractor: NDS - Timmins, ON		Elevation (MSL): 267.33	Claims: 1220221				Date: May 14, 2001
Units: metres							

From	To	%core	%M	%F	Rock Type	Description	%cp	%po+ pn	%py	No.	From	To	Interval	Tag	Au (ppb)	Pt (ppb)	Pd (ppb)	Rh (ppb)	3E (ppb)	4E (ppb)	Cu (ppm)	Ni (ppm)	Pd:Pt	Cu:Ni
132.00	176.00	100	60	40	gabbro	as above 114.2 - 126.35 , slightly darker grey, more mafic w up to	nil	nil	tr	98	132.00	133.00	1.00	59230	0	25	49		74		87	75	1.96	1.16
						60% amphibole and pyroxene grains 1-3mm. Contacts between	nil	nil	tr	99	133.00	134.00	1.00	59231	0	25	32		57		75	62	1.28	1.21
						light and dark grey gabbros can be gradational or irreg and sharp	nil	nil	tr	100	134.00	135.50	1.50	59232	0	17	32		49		77	61	1.88	1.26
						Tr speck of py only down to 164m.	nil	nil	tr	101	135.50	137.00	1.50	59233	7	33	51		91		75	70	1.55	1.07
							nil	nil	tr	102	137.00	138.50	1.50	59234	11	71	42		124		102	77	0.59	1.32
							nil	nil	tr	103	138.50	140.00	1.50	59235	7	17	67		91		108	92	3.94	1.17
							nil	nil	tr	104	140.00	141.50	1.50	59236	0	22	27		49		68	64	1.23	1.06
						142.7m a 2cm qtz - carb vein CA 35 deg	nil	nil	tr	105	141.50	143.00	1.50	59237	5	0	27		32		62	80	0.00	0.78
							nil	nil	tr	106	143.00	144.50	1.50	59238	0	22	25		47		59	62	1.14	0.95
							nil	nil	tr	107	144.50	146.00	1.50	59239	0	19	18		37		59	61	0.95	0.97
							nil	nil	tr	108	146.00	147.50	1.50	59240	0	21	43		64		66	63	2.05	1.05
							nil	nil	tr	109	147.50	149.00	1.50	59241	0	20	24		44		69	63	1.20	1.10
							nil	nil	tr	110	149.00	150.50	1.50	59242	6	24	22		52		72	62	0.92	1.16
							nil	nil	tr	111	150.50	152.00	1.50	59243	14	80	44		138		80	72	0.55	1.11
							nil	nil	tr	112	152.00	153.50	1.50	59244	0	0	30		30		75	80	0.00	0.94
							nil	nil	tr	113	153.50	155.00	1.50	59245	0	0	23		23		66	67	0.00	0.99
							nil	nil	tr	114	155.00	156.50	1.50	59246	0	0	29		29		82	70	0.00	1.17
							nil	nil	tr	115	156.50	158.00	1.50	59247	0	0	18		18		31	74	0.00	0.42
							nil	nil	tr	116	158.00	159.50	1.50	59248	0	0	13		13		49	60	0.00	0.82
							nil	nil	tr	117	159.50	161.00	1.50	59249	0	0	14		14		72	68	0.00	1.06
							nil	nil	tr	118	161.00	162.50	1.50	59250	0	15	18		33		63	62	1.20	1.02
							nil	nil	tr	119	162.50	164.00	1.50	59251	0	0	25		25		66	65	0.00	1.02
							nil	nil	tr	120	164.00	165.50	1.50	59252	0	0	22		22		64	57	0.00	1.12
						166.65 - 167.0m 5% qtz- carb strs 1-15mm CA 30-40 deg.	nil	nil	tr	121	165.50	167.00	1.50	59253	0	0	22		22		61	81	0.00	0.75
							nil	nil	tr	122	167.00	168.50	1.50	59254	6	0	16		22		63	73	0.00	0.86
							nil	nil	tr	123	168.50	170.00	1.50	59255	6	0	23		29		152	92	0.00	1.65
							nil	nil	tr	124	170.00	171.50	1.50	59256	12	0	36		48		272	125	0.00	2.18
							nil	nil	tr	125	171.50	173.00	1.50	59257	0	0	31		31		65	67	0.00	0.97
							nil	nil	tr	126	173.00	174.50	1.50	59258	22	0	38		60		275	140	0.00	1.96
							nil	nil	tr	127	174.50	176.00	1.50	59259	0	0	20		20		58	91	0.00	0.64
176.00	182.00	100	45	55	vari- textured	70% mg, light grey gabbro w up to 55% fsp 1-3mm grains and 30%																		
					gabbro	fg to vfg, dark green grey mela gabbro fragments(?) 10-20cm																		
						in length locally w cg variable cts., producing a vari- textured	nil	nil	tr	128	176.00	176.50	0.50	59260	0	0	23		23		77	70	0.00	1.10
						gabbro. Tr to 1% vfg diss cp , po , tr py. Grad'al cts.	nil	nil	tr	129	176.50	177.00	0.50	59261	5	0	21		26		196	102	0.00	1.92
						vfg mela gabbro w qtz - carb 1-5mm cts CA ~ 40 deg.	tr	nil	tr	130	177.00	177.50	0.50	59262	12	0	49		61		442	291	0.00	1.52
							tr	nil	tr	131	177.50	178.00	0.50	59263	37	17	80		134		744	415	4.71	1.79
							0.5	tr	tr	132	178.00	178.50	0.50	59264	79	65	209		353		2627	869	3.22	3.02
							tr	nil	tr	133	178.50	179.00	0.50	59265	19	0	40		59		561	198	0.00	2.83
							0.5	0.5	tr	134	179.00	179.50	0.50	59266	69	28	122		219		1604	444	4.36	3.61
							tr	tr	tr	135	179.50	180.00	0.50	59267	0	0	16		16		93	96	0.00	0.97
							tr	tr	tr	136	180.00	180.50	0.50	59268	9	0	42		51		192	107	0.00	1.79
							tr	tr	tr	137	180.50	181.00	0.50	59269	6	0	0		6		136	66	0.00	2.06
							tr	tr	tr	138	181.00	181.50	0.50	59270	6	0	16		22		207	51	0.00	4.06
						182.0 m gradational ct over 40cm.	tr	tr	tr	139	181.50	182.00	0.50	59271	0	21	0		21		59	57	0.00	1.04
182.00	189.25	100	40	60	gabbro	fg to mg, light grey massive gabbro w tr speck of po, and 1% qtz-	nil	tr	nil	140	182.00	183.50	1.50	59272	0	0	16		16		71	54	0.00	1.31
						carb ff's in the last metre.	nil	nil	nil	141	183.50	185.00	1.50	59273	0	0	0		0		76	54	0.00	1.41
							nil	nil	nil	142	185.00	186.50	1.50	59274	0	19	0		19		84	61	0.00	1.38
							nil	nil	nil	143	186.50	188.00	1.50	59275	0	25	0		25		87	77	0.00	1.13
						@ 189.25m sharp broken ct CA 60.	nil	nil	nil	144	188.00	189.25	1.25	59276	7	35	0		42		63	91	0.00	0.69

Property: Jackie Rastall						**Hole No.:JR01-21**	Grid E: 135.5 Grid N: -22				Test Type: EZ-Shot										Storage: Fielding Road, Lively						
Location: Janes Twp.						Collar Bearing: 90	UTM N: 5171035.85				Depth:	Az:	Dip:														
Started:		May 9, 2001 6pm				Collar Dip: -90	UTM E: 547326.59				14m	308.6	-69.5														
Completed:		May 11, 2001 ?am				Casing: 2 NW	NAD27/Z17				100m	309.6	-69.9								Sawed: May 12-13, 2001						
Core Size: NQ						Depth: 221m	Boxes: 54				221m	308.9	-70.3								Logged By: S.H. Halladay						
Contractor: NDS - Timmins, ON						Elevation (MSL): 267.33	Claims: 1220221														Date: May 14, 2001						
Units: metres																											
From	To	%core	%M	%F	Rock Type	Description	%cp	%po+ pn	%py	No.	From	To	Interval	Tag	Au (ppb)	Pt (ppb)	Pd (ppb)	Rh (ppb)	3E (ppb)	4E (ppb)	Cu (ppm)	Ni (ppm)	Pd:Pt	Cu:Ni			
189.25	189.40	100	20	80	fault zone	brecciated rehealed carb - qtz filled fault zone w sharp upper ct	tr	3	3	145	189.25	189.40	0.15	59277	6	55	0		61		152	118	0.0	1.3			
						60 (the gabbro above is blocky), containing 15% gabbroic shards																						
						up to 1cm, 3% py, 3% "dull-looking po" and 1% fg to blebby galena																						
						grain, tr cp.																						
189.40	192.50	100	40	60	gabbro	as above (182 - 189.25m), blocky throughout w < 1% qtz - carb	nil	nil	nil	146	189.40	191.00	1.60	59278	0	31	0		31		75	73	0.0	1.0			
						ff's CA 45, nil sulphides	nil	nil	nil	147	191.00	192.50	1.50	59279	5	38	0		43		99	74	0.0	1.3			
192.50	196.70	100	45	55	gabbro	fg to mg altered light grey gabbro containing up to 10% qtz- carb	nil	nil	tr	148	192.50	193.80	1.30	59280	0	30	0		30		90	105	0.0	0.9			
					(altered)	3cm veinlets and jnt coatings CA 35-45 deg in finer grained ,	nil	nil	nil	149	193.80	194.70	0.90	59281	32	0	46		78		78	92		0.8			
						locally bleached gabbro, nil sulphides. Blocky core.	nil	nil	nil	150	194.70	195.70	1.00	59282	12	53	19		84		112	104	0.4	1.1			
						Relatively sharp cts CA 40 and 65 deg	nil	nil	nil	151	195.70	196.70	1.00	59283	7	18	0		25		798	525	0.0	1.5			
						195.7 - 196.7m Shear zone with the gabbro becoming strongly																						
						sheared CA 40 deg between the 20% qtz - carb veinlets and ff's.																						
196.70	203.30	100	55	45	gabbro	fg, medium grey massive gabbro. Nil sulphides	nil	nil	nil	152	196.70	198.50	1.80	59284	11	23	11		45		202	83	0.5	2.4			
						grad far ct	nil	nil	nil	153	198.50	200.00	1.50	59285	11	0	11		22		204	86	0.0	2.4			
							nil	nil	nil	154	200.00	201.50	1.50	59286	0	16	0		16		222	70	0.0	3.2			
203.30	217.30	100	60	40	gabbro	fg to vfg, green grey massive gabbro containing up to 10%	nil	nil	tr	155	201.50	203.30	1.80	59287	0	0	0		0		90	52	0.0	1.7			
						"hairline" to 1mm qtz-carb ff's , locally w minor epidote 5-15/m	nil	nil	tr	156	203.30	204.50	1.20	59288	0	0	0		0		64	109	0.0	0.6			
						CA 20-50 deg. Trace speck of py	nil	nil	tr	157	204.50	206.00	1.50	59289	0	0	0		0		91	56	0.0	1.6			
							nil	nil	tr	158	206.00	207.50	1.50	59290	0	0	0		0		144	71	0.0	2.0			
							nil	nil	tr	159	207.50	209.00	1.50	59291	0	0	0		0		86	66	0.0	1.3			
							nil	nil	tr	160	209.00	210.50	1.50	59292	7	0	0		7		86	71	0.0	1.2			
							nil	nil	tr	161	210.50	212.00	1.50	59293	0	0	0		0		92	68	0.0	1.4			
							nil	nil	tr	162	212.00	213.50	1.50	59294	6	0	0		6		90	68	0.0	1.3			
							nil	nil	tr	163	213.50	215.00	1.50	59295	0	0	0		0		97	69	0.0	1.4			
							nil	nil	tr	164	215.00	216.50	1.50	59296	11	0	0		11		122	81	0.0	1.5			
						216.5 - 217.30m vfg sheared altered gabbro w 15% qtz-carb	tr	nil	tr	165	216.50	217.35	0.85	59297	7	0	0		7		339	105	0.0	3.2			
						ff's and .15 cm of moderate perv epidote altn 217.07 - 217.22cm																						
						217.3m sharp ct CA 45 deg with footwall.																						
217.30	221.00	100	20	80	footwall	mixed footwall rocks - approx 70% pinkish grey vfg felsic (granite	nil	nil	tr	166	217.35	218.50	1.15	59298	0	0	0		0		30	32	0.0	0.9			
	EOH					& tonalite ?) and vfg dark grey wackes . Tr speck of py in wacke	nil	nil	tr	167	218.50	219.50	1.00	59299	0	0	0		0		12	32	0.0	0.4			
						sections. RQD = 5, blocky core throughout.	nil	nil	tr	168	219.50	221.00	1.50	59300	0	0	0		0		25	34	0.0	0.7			
						221.0 end of hole																						

Property: Jackie Rastall						Hole No.:JR01-22	Grid E: 93 Grid N: 25				Test Type: EZ-Shot										Storage: Fielding Road, Lively				
Location: Janes Twp.						Collar Bearing: 300	UTM N: 5171098.39				Depth:	Az:	Dip												
Started:		May 11, 2001 ?pm				Collar Dip: -45	UTM E: 547301.636				17m	302.7	-45.9												
Completed:		May 12, 2001 ?am				Casing: 2 NW	NAD27/Z17				104m	301.1	-45.0								Sawed: May 13, 2001				
Core Size: NQ						Depth: 104m	Boxes: 26														Logged By: S.H. Halladay				
Contractor: NDS - Timmins, ON						Elevation (MSL): 271.85m	Claims: 1220221														Date: May 14, 2001				
Units: metres							Estimates																		
From	To	%core	%M	%F	Rock Type	Description	%cp	%po+ pn	%py	No.	From	To	Interval	Tag	Au (ppb)	Pt (ppb)	Pd (ppb)	Rh (ppb)	3E (ppb)	4E (ppb)	Cu (ppm)	Ni (ppm)	Pd:Pt	Cu:Ni
						SUMMARY																		
0.00	1.00	0			overburden																			
1.00	5.50	100	55	45	gabbro	mixed zone of 80% mg gabbro and 20% fg dark grey gabbro, tr po																		
5.50	26.00	100	45	55	gabbro	mg, light grey massive gabbro w tr occ speck of po, py.																		
26.00	42.50	100	50	50	vari-textured gabbro	mixed unit w mainly 60% mg light grey massive gabbro, tr sulphide; 20% cg to pegmatitic gabbro sections up to 1m w tr to 3% po, cp,																		
42.50	45.60	100	60	40	gabbro	@ 42.5m relatively sharp colour change to dark grey fg to mg gabbro, mafics increase to 60%																		
45.60	49.20	100	45	55	gabbro	mg, light grey massive gabbro w tr speck of sulphides																		
49.20	49.40	100	30	70	fault / sediments	Sharp cts CA 80 deg with a black, vfg sediment (?) frag sheared																		
49.40	53.60	100	65	35	gabbro	mg, light grey massive gabbro w tr speck of sulphides																		
53.60	59.45	100	65	35	gabbro	fg to mg, dark grey massive gabbro w a very weak perv chl'c altn grad ct over 10cm																		
59.45	63.90	100	45	55	gabbro	mg, light grey massive gabbro w up to 5% light yellowish green epidote ff's 1-5mm CA 70 - 80 deg, 3-8/m. Jnts 1-3/m CA 60.																		
63.90	74.10	100	60	40	gabbro (minzn)	fg -mg, grey to dark grey generally massive mineralized gabbro with trace to 5% vfg diss sulphides (2-3:1 po:cp) as interstitial grains in the felsic sections and along mafic grain boundaries. @74.1m sharp far ct CA 50																		
74.10	74.55	100	20	80	fault / sediments	sheared and insitu brecciated fault zone w 60% black vfg "argillite - like" sediments bx'd in-filled w 40% grey white qtz - carb matrix. Sharp far ct CA 65 deg.																		
74.55	83.00	100	60	40	gabbro (minzn)	fg to mg, grey to dark grey mineralized gabbro as above with variable vfg to fg diss po, cp, py, locally blebby. @ 83.0 m grad'al ct , decrease in mineralization, colour index and mafic % remains the same down to 86.0m.																		
83.00	95.00	100	55	45	gabbro	mg, light grey massive gabbro w < 1% epidote and or qtz- carb																		
95.00	99.80	100	60	40	gabbro	fg, massive, med grey gabbro with vfg pin - point carb grains <1mm																		
99.80	100.80	100	55	45	brecciated gabbro	vfg, med grey brecciated gabbro infilled w up to 35% pink to white carb - qtz tension gashs (1-5mm in width) Sharp sheared far ct CA 65 -70 deg.																		
100.80	104.00	100	30	70	sediments	fg tovfg grey wacke sediments w < 1% siliceous rounded frags trace smeared py along jnts, tr diss. 3% thin mm-sized carb-qtz ff's. 100.8 - 100.9m strongly sheared and brecciated FAULT zone CA 65-70 deg.																		
	EOH					104.0m end of hole																		

Property: Jackie Rastall						Hole No.:JR01-22	Grid E: 93 Grid N: 25				Test Type: EZ-Shot							Storage: Fielding Road, Lively						
Location: Janes Twp.						Collar Bearing: 300	UTM N: 5171098.39				Depth	Az	Dip											
Started:		May 11, 2001 ?pm				Collar Dip: -45	UTM E: 547301.636				17m	302.7	-45.9											
Completed:		May 12, 2001 ?am				Casing: 2 NW	NAD27/Z17				104m	301.1	-45.0					Sawed: May 13, 2001						
Core Size: NQ						Depth: 104m	Boxes: 26											Logged By: S.H. Halladay						
Contractor: NDS - Timmins, ON						Elevation (MSL): 271.85m	Claims: 1220221											Date: May 14, 2001						
Units: metres							Estimates																	
From	To	%core	%M	%F	Rock Type	Description	%cp	%po+ pn	%py	No.	From	To	Interval	Tag	Au (ppb)	Pt (ppb)	Pd (ppb)	Rh (ppb)	3E (ppb)	4E (ppb)	Cu (ppm)	Ni (ppm)	Pd:Pt	Cu:Ni
0.00	1.00	0			overburden																			
1.00	5.50	100	55	45	gabbro	mixed zone of 80% mg gabbro and 20% fg dark grey gabbro	nil	nil	nil	1	1.00	2.00	1.00	59301	10	48	30		88		96	76	0.6	1.3
						as 5 -30cm sections, cts gradational. Tr po <1mm	tr	nil	tr	2	2.00	3.50	1.50	59302	11	20	33		64		120	78	1.7	1.5
						Weak rusty iron stained jnts CA 30-45 deg down to 5m	tr	nil	tr	3	3.50	5.00	1.50	59303	8	37	29		74		107	74	0.8	1.4
							tr	nil	tr	4	5.00	5.50	0.50	59304	11	49	32		92		123	82	0.7	1.5
5.50	26.00	100	45	55	gabbro	mg, light grey massive gabbro w tr occ speck of po, py.	nil	nil	tr	5	5.50	6.50	1.00	59305	11	58	28		97		119	80	0.5	1.5
						2% chl'c - epidote mm-coatings along jnts CA 35-60.	nil	nil	tr	6	6.50	8.00	1.50	59306	13	54	29		96		87	81	0.5	1.1
						11.0 - 22.5m blocky core, main jnt sets 30, 45 and 60 deg.	nil	nil	tr	7	8.00	9.50	1.50	59307	10	48	30		88		121	81	0.6	1.5
							nil	nil	tr	8	9.50	11.00	1.50	59308	19	69	51		139		211	114	0.7	1.9
							nil	nil	tr	9	11.00	12.50	1.50	59309	12	79	43		134		136	70	0.5	1.9
							nil	nil	tr	10	12.50	14.00	1.50	59310	9	84	44		137		107	72	0.5	1.5
							nil	nil	tr	11	14.00	15.50	1.50	59311	7	60	36		103		106	78	0.6	1.4
							nil	nil	tr	12	15.50	17.00	1.50	59312	6	55	43		104		83	78	0.8	1.1
							nil	nil	tr	13	17.00	18.50	1.50	59313	6	60	48		114		82	55	0.8	1.1
							nil	nil	tr	14	18.50	20.00	1.50	59314	8	33	48		89		107	70	1.5	1.5
							nil	nil	tr	15	20.00	21.50	1.50	59315	8	19	56		83		111	76	2.9	1.5
							nil	nil	tr	16	21.50	23.00	1.50	59316	6	68	45		119		74	61	0.7	1.2
							nil	nil	tr	17	23.00	24.50	1.50	59317	12	24	58		94		94	68	2.4	1.4
							nil	nil	tr	18	24.50	26.00	1.50	59318	12	0	70		82		118	77	0.0	1.5
26.00	42.50	100	50	50	vari-textured gabbro	mixed unit w mainly 60% mg light grey massive gabbro, tr sulphide																		
						20% cg to pegmatitic gabbro sections up to 1m w tr to 3% po, cp,																		
						and <10 % fg, darker grey more mafic gabbro w tr sulphides, all																		
						cts are gen'y grad'al over 1-5cm.																		
						26.0 - 28.0m fg dark grey gabbro	nil	nil	tr	19	26.00	27.00	1.00	59319	15	78	39		132		74	58	0.5	1.3
							nil	nil	tr	20	27.00	28.00	1.00	59320	0	105	60		165		89	62	0.6	1.4
						light grey, mg gabbro	nil	nil	tr	21	28.00	29.50	1.50	59321	11	111	103		225		135	86	0.9	1.6
						cg pegmatitic gabbro, fsp and pyroxenes to 5mm, tr po, cp	tr	tr	tr	22	29.50	30.00	0.50	59322	6	80	17		103		136	52	0.2	2.6
						mg to cg altered gabbro	tr	tr	tr	23	30.00	31.50	1.50	59323	0	54	0		54		70	54	0.0	1.3
							tr	tr	tr	24	31.50	32.80	1.30	59324	6	0	28		34		113	60	0.0	1.9
						fg mela gabbro w <1% vfg diss po, cp	tr	tr	tr	25	32.80	33.00	0.20	59325	212	445	1302		1959		2771	1173	2.9	2.4
						33.0 - 37.0 m fg -mg light grey gabbro, tr sulphides	tr	tr	tr	26	33.00	34.40	1.40	59326	5	0	71		76		96	75	0.0	1.3
							tr	<0.5	tr	27	34.40	34.80	0.40	59327	42	291	832		1165		696	618	2.9	1.1
							nil	nil	tr	28	34.80	35.00	0.20	59328	7	0	50		57		85	62	0.0	1.4
							nil	nil	tr	29	35.00	36.50	1.50	59329	14	66	97		177		115	71	1.5	1.6
							nil	nil	tr	30	36.50	37.00	0.50	59330	0	0	29		29		84	54	0.0	1.6
						cg pegmatitic gabbro, fsp and pyroxenes to 5mm, up to 3% po.	2	3	tr	31	37.00	38.10	1.10	59331	65	79	202		346		1585	498	2.6	3.2
						2% cp as blebby diss to 1cm.	tr	tr	tr	32	38.10	38.65	0.55	59332	0	26	39		65		79	51	1.5	1.5
						mg, grey gabbro	tr	tr	tr	33	38.65	40.35	1.70	59333	0	21	33		54		62	51	1.6	1.2
						cg pegmatitic gabbro, tr sulphides	tr	tr	tr	34	40.35	41.00	0.65	59334	0	40	14		54		89	58	0.4	1.5
						mg	tr	tr	tr	35	41.00	41.70	0.70	59335	0	0	37		37		78	57	0.0	1.4
						fg to mg gabbro	tr	tr	tr	36	41.70	42.50	0.80	59336	0	0	20		20		67	56	0.0	1.2
42.50	45.60	100	60	40	gabbro	@ 42.5m relatively sharp colour change to dark grey fg to mg	tr	nil	tr	37	42.50	44.00	1.50	59337	0	0	21		21		64	52	0.0	1.2
						gabbro, mafics increase to 60%	tr	nil	tr	38	44.00	45.60	1.60	59338	0	0	23		23		65	50	0.0	1.3
							tr	nil	tr	39	45.60	47.00	1.40	59339	0	0	29		29		65	55	0.0	1.2
45.60	49.20	100	45	55	gabbro	mg, light grey massive gabbro w tr speck of sulphides	tr	nil	tr	40	47.00	48.50	1.50	59340	20	0	21		41		60	47	0.0	1.3
							tr	nil	tr	41	48.50	49.20	0.70	59341	8	0	29		37		60	56	0.0	1.1
49.20	49.40	100	30	70	fault / sediments	Sharp cts CA 80 deg with a black, vfg sediment (?) frag sheared	nil	nil	tr	42	49.20	49.40	0.20	59342	0	0	34		34		88	96	0.0	0.9
						and insitu brecciated within centre of frag at CA 80, possible	nil	nil	tr	43	49.40	51.50	2.10	59343	0	0	30		30		74	58	0.0	1.3
						fault filled with 10% qtz -carb and tr vfg py.	nil	nil	tr	44	51.50	53.00	1.50	59344	5	0	47		52		63	59	0.0	1.1
							nil	nil	tr	45	53.00	53.60	0.60	59345	0	20	32		52		63	52	1.6	1.2
49.40	53.60	100	65	35	gabbro	mg, light grey massive gabbro w tr speck of sulphides	nil	nil	tr	46	53.60	54.65	1.05	59346	0	0	16		16		64	59	0.0	1.1
							nil	nil	tr	47	54.65	56.00	1.35	59347	0	0	33		33		65	56	0.0	1.2

Property: Jackie Rastall						Hole No.:JR01-22	Grid E: 93 Grid N: 25					Test Type: EZ-Shot							Storage: Fielding Road, Lively								
Location: Janes Twp.						Collar Bearing: 300	UTM N: 5171098.39					Depth:	Az:	Dip:													
Started:		May 11, 2001 ?pm				Collar Dip: -45	UTM E: 547301.636					17m	302.7	-45.9													
Completed:		May 12, 2001 ?am				Casing: 2 NW	NAD27/Z17					104m	301.1	-45.0					Sawed: May 13, 2001								
Core Size: NQ						Depth: 104m	Boxes: 26												Logged By: S.H. Halladay								
Contractor: NDS - Timmins, ON						Elevation (MSL): 271.85m	Claims: 1220221												Date : May 14, 2001								
Units: metres																											
From	To	%core	%M	%F	Rock Type	Description	%cp	%po+ pn	%py	No.	From	To	Interval	Tag	Au (ppb)	Pt (ppb)	Pd (ppb)	Rh (ppb)	3E (ppb)	4E (ppb)	Cu (ppm)	Ni (ppm)	Pd:Pt	Cu:Ni
53.60	59.45	100	65	35	gabbro	fg to mg, dark grey massive gabbro w a very weak perv chl'c altn	nil	nil	tr	48	56.00	57.50	1.50	59348	0	0	16		16		68	56	0.0	1.2
						grad ct over 10cm	nil	nil	tr	49	57.50	58.50	1.00	59349	0	24	23		47		71	57	1.0	1.2
							nil	nil	tr	50	58.50	59.45	0.95	59350	0	0	40		40		91	66	0.0	1.4
59.45	63.90	100	45	55	gabbro	mg, light grey massive gabbro w up to 5% light yellowish green	nil	tr	nil	51	59.45	61.00	1.55	59351	0	0	21		21		172	101	0.0	1.7
						epidote ff's 1-5mm CA 70 - 80 deg, 3-8/m. Jnts 1-3/m CA 60.	nil	tr	nil	52	61.00	62.50	1.50	59352	12	0	27		39		353	144	0.0	2.5
						tr speck of po	nil	tr	nil	53	62.50	63.90	1.40	59353	14	0	35		49		377	173	0.0	2.2
						@ 63.9m grad ct over 3cm																					
63.90	74.10	100	60	40	gabbro	fg -mg, grey to dark grey generally massive mineralized gabbro	tr	tr	tr	54	63.90	65.00	1.10	59354	11	0	45		56		366	156	0.0	2.3
					(minzn)	with trace to 5% vfg diss sulphides (2-3:1 po:cp) as interstitial	tr	tr	tr	55	65.00	66.00	1.00	59355	0	107	12		119		70	52	0.1	1.3
						grains in the felsic sections and along mafic grain boundaries.	tr	<0.5	tr	56	66.00	66.50	0.50	59356	79	0	105		184		1793	714	0.0	2.5
							1-2	2-3	tr	57	66.50	67.00	0.50	59357	95	0	118		213		2032	783	0.0	2.6
							1-2	2-3	tr	58	67.00	67.50	0.50	59358	129	31	165		325		2781	1100	5.3	2.5
							1-2	2-3	tr	59	67.50	68.00	0.50	59359	68	0	103		171		1567	569	0.0	2.8
							1-2	2-3	tr	60	68.00	68.50	0.50	59360	198	127	284		609		5361	1938	2.2	2.8
							1-2	2-3	tr	61	68.50	69.00	0.50	59361	148	90	189		427		3609	1270	2.1	2.8
							1-2	2-3	tr	62	69.00	69.50	0.50	59362	79	27	112		218		1814	664	4.1	2.7
						69.5 - 70.0 m 5% qtz - carb ff's CA 60-80 bleaching the gabbro	tr	<1	tr	63	69.50	70.00	0.50	59363	83	57	138		278		1929	771	2.4	2.5
						to a lighter grey colour.	tr	<0.5	tr	64	70.00	70.50	0.50	59364	76	96	121		293		1645	638	1.3	2.6
							tr	tr	tr	65	70.50	71.00	0.50	59365	46	60	73		179		892	314	1.2	2.8
						blocky core along several jnts CA 10, chl'c - epidote coated 2mm	<0.5	<0.5	tr	66	71.00	72.00	1.00	59366	35	77	62		174		701	283	0.8	2.5
							0.5	1	tr	67	72.00	73.00	1.00	59367	111	114	208		433		2715	937	1.8	2.9
							<1	<1	<0.5	68	73.00	73.30	0.30	59368	92	111	180		383		2394	816	1.6	2.9
						@74.1m sharp far ct CA 50	tr	tr	tr	69	73.30	74.10	0.80	59369	30	91	62		183		636	243	0.7	2.6
74.10	74.55	100	20	80	fault / sediments	sheared and insitu brecciated fault zone w 60% black vfg	tr	tr	tr	70	74.10	74.55	0.45	59370	39	65	65		189		1219	345	0.8	3.5
						"argillite - like" sediments bx'd in-filled w 40% grey white qtz - carb																				
						matrix. Sharp far ct CA 65 deg.																				
74.55	83.00	100	60	40	gabbro	fg to mg, grey to dark grey mineralized gabbro as above with	tr	tr	tr	71	74.55	75.50	0.95	59371	0	36	15		51		69	81	0.4	0.9
					(minzn)	variable vfg to fg diss po, cp, py, locally blebby.	tr	tr	tr	72	75.50	77.00	1.50	59372	53	203	114		370		1373	461	0.6	3.0
							0.5	0.5	tr	73	77.00	77.50	0.50	59373	95	242	137		474		1955	688	0.6	2.8
							<0.5	1	tr	74	77.50	78.00	0.50	59374	173	214	367		754		3630	1281	1.7	2.8
						75.0 - 77.0 m blocky core over 50% of section due to low angle	1	2	tr	75	78.00	78.50	0.50	59375	97	133	252		482		2261	863	1.9	2.6
						jnts CA 0-15 deg x-cutting jnts CA 40 deg w qtz -carb ff's, tr po, cp	<1	1	tr	76	78.50	79.00	0.50	59376	121	201	325		647		3120	1168	1.6	2.7
							tr	<1	tr	77	79.00	79.50	0.50	59377	151	38	291		480		3568	1307	7.7	2.7
							0.5	0.5	tr	78	79.50	80.00	0.50	59378	90	45	244		379		2348	858	5.4	2.7
							<0.5	0.5	tr	79	80.00	80.50	0.50	59379	97	62	285		444		2256	790	4.6	2.9
							<0.5	<1	<0.5	80	80.50	81.00	0.50	59380	180	151	724		1055		3971	1562	4.8	2.5
							<2	<3	<0.5	81	81.00	81.50	0.50	59381	115	128	546		789		2296	848	4.3	2.7
							1	2	tr	82	81.50	82.00	0.50	59382	128	136	608		872		2475	1027	4.5	2.4
							1	2	tr	83	82.00	82.50	0.50	59383	40	31	149		220		751	291	4.8	2.6
						@ 83.0 m grad'al ct , decrease in mineralization, colour index and	tr	0.5	tr	84	82.50	83.00	0.50	59384	7	0	15		22		83	44	0.0	1.9
						mafic % remains the same down to 86.0m.																				
83.00	95.00	100	55	45	gabbro	mg, light grey massive gabbro w < 1% epidote and or qtz- carb	tr	tr	tr	85	83.00	83.50	0.50	59385	8	0	15		23		79	48	0.0	1.6
						ff's or jnt jnts . Tr fg diss po. Grain size is fining downhole.	tr	<0.5	tr	86	83.50	84.00	0.50	59386	0	0	13		13		83	47	0.0	1.8
							tr	tr	tr	87	84.00	84.50	0.50	59387	31	0	62		93		808	334	0.0	2.4
							nil	nil	tr	88	84.50	86.00	1.50	59388	0	0	12		12		89	47	0.0	1.9
						85.0 -86.0m blocky core	nil	nil	tr	89	86.00	87.50	1.50	59389	0	0	0		0		119	58	0.0	2.1
							nil	nil	tr	90	87.50	89.00	1.50	59390	22	0	34		56		396	86	0.0	4.6
							nil	nil	tr	91	89.00	90.50	1.50	59391	7	0	14		21		148	65	0.0	2.3
							nil	nil	tr	92	90.50	92.00	1.50	59392	7	26	0		33		86	55	0.0	1.6
							nil	nil	tr	93	92.00	93.50	1.50	59393	6	18	0		24		86	44	0.0	2.0

Property: Jackie Rastall						Hole No.:JR01-22	Grid E: 93 Grid N: 25					Test Type: EZ-Shot							Storage: Fielding Road, Lively								
Location: Janes Twp.						Collar Bearing: 300	UTM N: 5171098.39					Depth:	Az:	Dip:													
Started:		May 11, 2001 ?pm				Collar Dip: -45	UTM E: 547301.636					17m	302.7	-45.9													
Completed:		May 12, 2001 ?am				Casing: 2 NW	NAD27/Z17					104m	301.1	-45.0					Sawed: May 13, 2001								
Core Size: NQ						Depth: 104m	Boxes: 26												Logged By: S.H. Halladay								
Contractor: NDS - Timmins, ON						Elevation (MSL): 271.85m	Claims: 1220221												Date : May 14, 2001								
Units: metres																											
From	To	%core	%M	%F	Rock Type	Description	%cp	%po+ pn	%py	No.	From	To	Interval	Tag	Au (ppb)	Pt (ppb)	Pd (ppb)	Rh (ppb)	3E (ppb)	4E (ppb)	Cu (ppm)	Ni (ppm)	Pd:Pt	Cu:Ni
						@ 95.0 m grad ct	nil	nil	tr	94	93.50	95.00	1.50	59394	6	30	0		36		88	49	0	1.8
95.00	99.80	100	60	40	gabbro	fg, massive, med grey gabbro with vfg pin - point carb grains <1mm	nil	nil	tr	95	95.00	96.50	1.50	59395	37	0	20		57		78	61		1.3
						and up to 3% qtz- carb and epidote ff's CA 25 and 80 deg respect-	nil	nil	tr	96	96.50	98.00	1.50	59396	5	38	0		43		127	77	0	1.6
						ively. Tr speck of po, cp	nil	nil	tr	97	98.00	99.80	1.50	59397	7	34	10		51		89	102	0	0.9
						98.5 - 98.85m mod perv hematite staining about a5mm pink carb																		
						jnt coating CA 20 deg.																		
						@99.8m sharp irrregular ct CA ~80 deg.																		
99.80	100.80	100	55	45	brecciated gabbro	vfg, med grey brecciated gabbro infilled w up to 35% pink to white carb - qtz tension gashs (1-5mm in width)	nil	nil	tr	98	99.80	100.80	1.00	59398	6	0	0		6		34	44		0.8
						Sharp sheared far ct CA 65 -70 deg.																		
100.80	104.00	100	30	70	sediments	fg tovfg grey wacke sediments w < 1% siliceous rounded frags	nil	nil	tr	99	100.80	103.00	2.20	59399	0	0	0		0		31	46		0.7
	EOH					trace smeared py along jnts, tr diss. 3% thin mm-sized carb-qtz	nil	nil	tr	100	103.00	104.00	1.00	59400	0	0	0		0		28	43		0.7
						ff's and wisps. Very blocky core throughout, RQD = 15																		
						100.8 - 100.9m strongly sheared and brecciated FAULT zone																		
						CA 65-70 deg.																		
						104.0m end of hole																		

Property: Jackie Rastall						Hole No.:JR01-23	Grid E: 93 Grid N: 25				Test Type: EZ-Shot							Storage: Fielding Road, Lively						
Location: Janes Twp.						Collar Bearing: 300	UTM N: 5171098.388				Depth:	Az:	Dip:											
Started:		May 11, 2001 ?pm				Collar Dip: -70	UTM E: 547301.636				17m	303.7	-70.5											
Completed:		May 12, 2001 ?am				Casing: 1 NW	NAD27/Z17				119m	301.1	-69.8					Sawed: May 14-15, 2001						
Core Size: NQ						Depth: 119m	Boxes: 29											Logged By: S.H. Halladay						
Contractor: NDS - Timmins, ON						Elevation (MSL): 271.854m	Claims: 1220221											Date: May 15-16, 2001						
Units: metres							Estimates																	
From	To	%core	%M	%F	Rock Type	Description	%cp	%po+ pn	%py	No.	From	To	Interval	Tag	Au (ppb)	Pt (ppb)	Pd (ppb)	Rh (ppb)	3E (ppb)	4E (ppb)	Cu (ppm)	Ni (ppm)	Pd:Pt	Cu:Ni
						SUMMARY																		
0.00	0.40	0			overburden																			
0.40	53.90	100	50	50	vari-textured gabbro	mixed unit w mainly 60% mg light grey massive gabbro, tr sulphide: 30% cg to pegmatitic gabbro sections up to 4m w tr po, cp																		
						3.15 - 4.65m pink mg to cg granite dyke(?) . Sharp near ct CA 20,																		
						49.3m a 6cm black shear zone CA 80 deg.																		
53.90	75.50	100	55	45	gabbro	mixed gabbro varying between 40% mg, light grey massive gabbro and 60% fg to mg, dark grey gabbro both w occas 1mm carb - qtz																		
						71.5 shear 10cm wide, 70 degrees to CA																		
75.50	88.50	100	55	45	gabbro (minzn)	fg to mg, medium to dark grey vari-textured between the grain size Tr to 5% vfg diss and locally blebby sulphides (po, cp, py)																		
88.50	107.00	100	50	50	gabbro	generally mg, medium grey massive gabbro w 1-2% thin hairline epidote ff's and jnt coatings CA 30-45 deg, tr speck of po or py.																		
107.00	113.00	100	55	45	gabbro	fg massive gabbro w < 1% qtz - carb wisps and fracture coatings and jnts 1-3/m CA 70-80, tr po.																		
113.00	114.20	100	40	60	shear/ fault zone	113 - 114.1 fg gabbro w 25-35% qtz-carb "tension-gash" fracture fillingsCA 70-80 CA 70-80 deg.																		
114.20	119.00	100	20	80	footwall sediments	fg to vfg, grey wacke sediments to 118m, then black to dark grey wacke																		
	END					to end. Contains up to 5% carb epidote ff's and jnt coatings to 118m, strongly broken blocky core to 115.65m. RQD =0. Tr diss py or smears																		
						@ 119.0m end of hole																		
						10 digitial pictures taken along drill hole																		

Property: Jackie Rastall						Hole No.:JR01-23	Grid E: 93 Grid N: 25				Test Type: EZ-Shot						Storage: Fielding Road, Lively						
Location: Janes Twp.						Collar Bearing: 300	UTM N: 5171098.388				Depth:	Az:	Dip:										
Started:		May 11, 2001 ?pm				Collar Dip: -70	UTM E: 547301.636				17m	303.7	-70.5										
Completed:		May 12, 2001 ?am				Casing: 1 NW	NAD27/Z17				119m	301.1	-89.8				Sawed: May 14-15, 2001						
Core Size: NQ						Depth: 119m	Boxes: 29										Logged By: S.H. Halladay						
Contractor: NDS - Timmins, ON						Elevation (MSL): 271.854m	Claims: 1220221										Date: May 15-16, 2001						
Units: metres							Estimates																
From	To	%core	%M	%F	Rock Type	Description	%cp	%po+	%py	No.	From	To	Interval	Tag	Au	Pt	Pd	Rh	3E	4E	Cu	Ni	Pd:Pt	Cu:Ni
								ppm							(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppm)	(ppm)		
0.00	0.40	0			overburden																			
0.40	53.90	100	50	50	vari-textured	mixed unit w mainly 60% mg light grey massive gabbro, tr sulphide:																		
					gabbro	30% cg to pegmatitic gabbro sections up to 4m w tr po, cp																		
						and <10 % fg, darker grey more mafic gabbro w tr sulphides, all																		
						cts vary from sharp to grad'al.	nil	nil	tr	1	0.40	2.00	1.60	59401	10	59	16		85		97	78	0.27	1.24
							nil	nil	tr	2	2.00	3.15	1.15	59402	8	0	37		45		76	84	0.00	0.90
						3.15 - 4.65m pink mg to cg granite dyke(?) . Sharp near ct CA 20,	nil	nil	tr	3	3.15	4.65	1.50	59403	0	0	0		0		72	9	0.00	8.00
						broken far ct.	nil	nil	tr	4	4.65	6.50	1.85	59404	10	44	26		80		183	89	0.59	2.06
							nil	nil	tr	5	6.50	8.00	1.50	59405	10	27	30		67		97	73	1.11	1.33
						4.65 - 12.2m mg light grey gabbro, blocky, 1-3/m jnts CA 10-30	nil	nil	tr	6	8.00	9.50	1.50	59406	9	24	27		60		99	82	1.13	1.21
						chl'c coated.	nil	nil	tr	7	9.50	11.00	1.50	59407	8	41	32		81		116	69	0.78	1.68
						12.2 - 16.4m mixed cg pegmatitic felsic sections , 30% granitic	nil	nil	tr	8	11.00	12.20	1.20	59408	8	43	38		89		82	96	0.88	0.85
						as in 3.15 - 4.65m. Tr cp	tr	nil	tr	9	12.20	14.00	1.80	59409	18	46	0		64		26	60	0.00	0.43
							nil	nil	tr	10	14.00	15.50	1.50	59410	0	46	0		46		28	52	0.00	0.54
							nil	nil	tr	11	15.50	16.40	0.90	59411	0	47	0		47		39	73	0.00	0.53
						16.4 - 16.75m strong perv epidote altn along margin of peg	tr	nil	tr	12	16.40	16.75	0.35	59412	13	0	21		34		373	222	0.00	1.68
						fg to vfg, dark green grey mela gabbro w 60% mafic grains, < 0.5 %	tr	<0.5	<0.5	13	16.75	17.90	1.15	59413	47	0	49		96		170	653	0.00	0.26
						py, po as <1mm smears along fractures and jnts CA 45-80 deg.	nil	nil	tr	14	17.90	19.00	1.10	59414	11	469	283		763		106	218	0.60	0.49
							nil	nil	tr	15	19.00	20.00	1.00	59415	15	94	37		146		52	82	0.39	0.63
						17.9 - 22.3m mg, light grey gabbro, blocky from 18.5 - 18.85, q-c ff	nil	nil	tr	16	20.00	21.50	1.50	59416	10	98	52		160		76	75	0.53	1.01
							nil	nil	tr	17	21.50	22.30	0.80	59417	15	56	74		145		206	89	1.32	2.31
						22.3 - 34.5m cg to pegmatitic gabbro to leucogabbro w 10%	nil	nil	tr	18	22.30	23.70	1.40	59418	30	86	35		151		39	192	0.41	0.20
						strongly altered (eg. 23.7 - 25.0m) to epidote - sericite - chlorite.	nil	nil	tr	19	23.70	25.00	1.30	59419	5	0	0		5		51	133	0.00	0.38
						tr specks of cp,po.	tr	tr	tr	20	25.00	26.00	1.00	59420	0	31	40		71		22	73	1.29	0.30
							tr	tr	tr	21	26.00	27.50	1.50	59421	0	47	50		97		39	78	1.06	0.51
							tr	tr	tr	22	27.50	29.00	1.50	59422	16	50	0		66		223	39	0.00	5.72
							tr	tr	tr	23	29.00	30.50	1.50	59423	7	54	13		74		121	52	0.24	2.33
							tr	tr	tr	24	30.50	32.00	1.50	59424	12	86	55		153		190	108	0.64	1.76
							tr	tr	tr	25	32.00	33.50	1.50	59425	12	166	181		359		98	96	1.09	1.02
							tr	tr	tr	26	33.50	34.50	1.00	59426	13	127	102		242		89	103	0.80	0.86
						34.5 - 40.1m mg grey massive gabbro	tr	tr	tr	27	34.50	36.50	2.00	59427	7	96	54		157		113	72	0.56	1.57
							tr	tr	tr	28	36.50	38.00	1.50	59428	9	0	40		49		72	55	0.00	1.31
							tr	tr	tr	29	38.00	39.50	1.50	59429	10	0	49		59		124	77	0.00	1.61
							tr	tr	tr	30	39.50	40.10	0.60	59430	8	0	36		44		162	73	0.00	2.22
						cg gabbro	tr	tr	tr	31	40.10	41.10	1.00	59431	11	51	14		76		149	61	0.27	2.44
						40.0 - 40.4 a 2-5mm qtz-carb ff's CA 0-15 deg w <0.5% bs cp,po	tr	tr	tr	32	41.10	42.50	1.40	59432	7	23	18		48		50	61	0.78	0.82
							tr	tr	tr	33	42.50	43.35	0.85	59433	6	102	35		143		47	65	0.34	0.72
						cg to pegmatitic gabbro w tr blebby cp	tr	tr	tr	34	43.35	44.10	0.75	59434	7	160	139		306		167	62	0.87	2.69
							tr	tr	tr	35	44.10	45.50	1.40	59435	10	106	74		190		151	91	0.70	1.66
							tr	tr	tr	36	45.50	47.00	1.50	59436	8	83	24		115		58	61	0.29	0.95
							tr	tr	tr	37	47.00	48.50	1.50	59437	10	104	17		131		38	51	0.16	0.75
						49.3m a 6cm black shear zone CA 80 deg.	tr	tr	tr	38	48.50	50.00	1.50	59438	14	67	70		151		130	78	1.04	1.67
							tr	tr	tr	39	50.00	51.50	1.50	59439	8	94	16		118		58	58	0.17	1.00
							tr	tr	tr	40	51.50	53.00	1.50	59440	7	80	11		98		57	53	0.14	1.08
							tr	tr	tr	41	53.00	53.90	0.90	59441	0	0	22		22		62	58	0.00	1.07
53.90	75.50	100	55	45	gabbro	mixed gabbro varying between 40% mg, light grey massive gabbro	tr	tr	tr	42	53.90	55.00	1.10	59442	0	32	16		48		68	59	0.50	1.15
						and 60% fg to mg, dark grey gabbro both w occas 1mm carb - qtz	tr	tr	tr	43	55.00	56.00	1.00	59443	5	0	56		61		81	65	0.00	1.25
						- epidote jnt coatings and tr speck of py, cp.	tr	tr	tr	44	56.00	57.50	1.50	59444	9	53	35		97		68	57	0.66	1.19
							tr	tr	tr	45	57.50	59.00	1.50	59445	0	0	26		26		70	58	0.00	1.21
							tr	tr	tr	46	59.00	60.50	1.50	59446	0	27	13		40		66	61	0.48	1.08
							tr	tr	tr	47	60.50	62.00	1.50	59447	5	31	26		62		56	53	0.84	1.06
							tr	tr	tr	48	62.00	63.50	1.50	59448	10	0	24		34		57	49	0.00	1.16
							tr	tr	tr	49	63.50	65.00	1.50	59449	11	0	18		29		77	57	0.00	1.35
							tr	tr	tr	50	65.00	66.50	1.50	59450	10	0	21		31		72	52	0.00	1.38

Property: Jackie Rastall						Hole No.:JR01-23	Grid E: 93 Grid N: 25				Test Type: EZ-Shot								Storage: Fielding Road, Lively							
Location: Janes Twp.						Collar Bearing: 300	UTM N: 5171098.388				Depth:	Az:	Dip:													
Started:		May 11, 2001 ?pm				Collar Dip: -70	UTM E: 547301.636				17m	303.7	-70.5													
Completed:		May 12, 2001 ?am				Casing: 1 NW	NAD27/Z17				119m	301.1	-69.8						Sewed: May 14-15, 2001							
Core Size: NQ						Depth: 119m	Boxes: 29												Logged By: S.H. Halladay							
Contractor: NDS - Timmins, ON						Elevation (MSL): 271.854m	Claims: 1220221												Date: May 15-16, 2001							
Units: metres																										
From	To	%core	%M	%F	Rock Type	Description	%cp	%po+ pn	%py	No.	From	To	Interval	Tag	Au (ppb)	Pt (ppb)	Pd (ppb)	Rh (ppb)	3E (ppb)	4E (ppb)	Cu (ppm)	Ni (ppm)	Pd:Pt	Cu:Ni
							tr	tr	tr	51	66.50	68.00	1.50	59451	36	0	12		48		54	55	0.0	1.0
						71.5 shear 10cm wide, 70 degrees to CA	tr	tr	tr	52	68.00	69.50	1.50	59452	0	0	38		38		66	59	0.0	1.1
							tr	tr	tr	53	69.50	71.00	1.50	59453	9	0	27		36		75	66	0.0	1.1
							tr	tr	tr	54	71.00	72.50	1.50	59454	22	0	58		78		292	160	0.0	1.8
							tr	tr	tr	55	72.50	74.00	1.50	59455	64	0	31		95		127	83	0.0	1.5
							tr	tr	tr	56	74.00	74.50	0.50	59456	17	0	51		68		170	78	0.0	2.2
75.50	88.50	100	55	45	gabbro	fg to mg, medium to dark grey vari-textured between the grain size	<0.5	<0.5	tr	57	74.50	75.00	0.50	59457	7	0	25		32		76	58	0.0	1.4
					(minzn)	Tr to 5% vfg diss and locally blebby sulphides (po, cp, py)	<0.5	<0.5	tr	58	75.00	75.50	0.50	59458	85	0	84		169		878	334	0.0	2.6
						gradational cts . <2% qtz - carb and /or epidote ff's and jnt coating	<0.5	<1	tr	59	75.50	76.00	0.50	59459	55	0	121		176		1327	542	0.0	2.4
						RQD = 100, very competent core.	tr	tr	tr	60	76.00	76.50	0.50	59460	41	0	83		124		862	346	0.0	2.5
							tr	tr	tr	61	76.50	77.00	0.50	59461	64	0	155		219		1618	616	0.0	2.6
						81.5 - 88.0m slightly darker grey w an increase in mafic grains to	<0.5	<0.5	tr	62	77.00	77.50	0.50	59462	76	0	164		240		1813	722	0.0	2.5
						60%.	2-3	3	<0.5	63	77.50	78.00	0.50	59463	118	66	246		430		2599	1050	3.7	2.5
							1	2	tr	64	78.00	78.50	0.50	59464	131	123	288		542		3123	1161	2.3	2.7
							<0.5	<1	tr	65	78.50	79.00	0.50	59465	91	39	252		382		1953	832	6.5	2.3
							<0.5	<0.5	tr	66	79.00	79.50	0.50	59466	121	126	323		570		2708	1176	2.6	2.3
							<0.5	<0.5	tr	67	79.50	80.00	0.50	59467	95	123	295		513		3079	1292	2.4	2.4
							tr	tr	tr	68	80.00	80.50	0.50	59468	139	63	388		590		3343	1312	6.2	2.5
							tr	tr	tr	69	80.50	81.00	0.50	59469	58	0	182		240		1494	594	0.0	2.5
							0.5	1	tr	70	81.00	81.50	0.50	59470	75	54	159		288		1880	743	2.9	2.5
							2	3	tr	71	81.50	82.00	0.50	59471	146	109	358		613		3201	1301	3.3	2.5
							1	1	tr	72	82.00	82.50	0.50	59472	72	77	217		366		2005	762	2.8	2.6
							<2	2	tr	73	82.50	83.00	0.50	59473	122	123	316		561		3185	1252	2.6	2.5
							0.5	0.5	tr	74	83.00	83.50	0.50	59474	137	83	328		548		3329	1309	4.0	2.5
							2	1	tr	75	83.50	84.00	0.50	59475	149	123	418		690		3657	1490	3.4	2.5
							1	2	tr	76	84.00	84.50	0.50	59476	144	113	438		695		3599	1444	3.9	2.5
							<0.5	<0.5	tr	77	84.50	85.00	0.50	59477	41	82	129		252		894	332	1.6	2.7
							1	1	tr	78	85.00	85.50	0.50	59478	141	133	443		717		3823	1416	3.3	2.7
							1	1	tr	79	85.50	86.00	0.50	59479	64	88	184		336		1407	512	2.1	2.7
							<0.5	0.5	tr	80	86.00	86.50	0.50	59480	85	126	327		538		2074	809	2.6	2.6
							tr	<0.5	tr	81	86.50	87.00	0.50	59481	47	67	141		255		974	389	2.1	2.5
							<0.5	tr	tr	82	87.00	87.50	0.50	59482	5	23	28		56		84	60	1.2	1.4
							tr	tr	tr	83	87.50	88.00	0.50	59483	6	17	29		52		82	64	1.7	1.3
						@ 88.5 m grad decrease in sulphides from 87m, colour is med	tr	tr	tr	84	88.00	88.50	0.50	59484	6	21	20		47		81	59	1.0	1.4
						grey down to 90m.																		
88.50	107.00	100	50	50	gabbro	generally mg, medium grey massive gabbro w 1-2% thin hairline	nil	tr	tr	85	88.50	89.00	0.50	59485	14	21	22		57		90	65	1.0	1.4
						epidote ff's and jnt coatings CA 30-45 deg, tr speck of po or py.	nil	tr	tr	86	89.00	89.50	0.50	59486	7	0	15		22		83	55	0.0	1.5
							nil	tr	tr	87	89.50	90.00	0.50	59487	6	17	17		40		85	68	1.0	1.3
							nil	tr	tr	88	90.00	91.00	1.00	59488	8	19	19		46		129	74	1.0	1.7
							nil	tr	tr	89	91.00	92.00	1.00	59489	6	27	13		46		80	55	0.5	1.5
							nil	tr	tr	90	92.00	93.50	1.50	59490	6	0	15		21		90	54	0.0	1.7
							nil	tr	tr	91	93.50	95.00	1.50	59491	6	18	20		44		89	53	1.1	1.7
							nil	tr	tr	92	95.00	96.50	1.50	59492	0	23	17		40		89	48	0.7	1.9
							nil	tr	tr	93	96.50	98.00	1.50	59493	7	16	16		39		105	53	1.0	2.0
							nil	tr	tr	94	98.00	99.50	1.50	59494	20	0	34		54		394	100	0.0	3.9
							nil	tr	tr	95	99.50	101.00	1.50	59495	25	26	39		90		580	114	1.5	5.1
							nil	tr	tr	96	101.00	102.50	1.50	59496	8	22	17		47		160	74	0.8	2.2
						102.5 - 107.0 becoming finer grained and lighter grey down hole	nil	tr	tr	97	102.50	104.00	1.50	59497	6	16	12		34		96	57	0.8	1.7
							nil	tr	tr	98	104.00	105.50	1.50	59498	6	0	15		21		92	51	0.0	1.8
							nil	tr	tr	99	105.50	107.00	1.50	59499	6	0	12		18		93	58	0.0	1.6
107.00	113.00	100	55	45	gabbro	fg massive gabbro w < 1% qtz - carb wisps and fracture coatings and	nil	tr	nil	100	107.00	108.50	1.50	59500	0	0	14		14		93	56	0.0	1.7
						jnts 1-3/m CA 70-80, tr po.	nil	tr	nil	101	108.50	110.00	1.50	19001	6	0	18		24		92	74	0.0	1.2
							nil	tr	nil	102	110.00	111.50	1.50	19002	7	0	14		21		97	77	0.0	1.3
						@ 113.0m Sharp ct defined by introduction of tension gashes	nil	tr	nil	103	111.50	113.00	1.50	19003	6	28	16		50		91	68	0.6	1.3

Property: Jackie Rastall						Hole No.:JR01-23	Grid E: 93 Grid N: 25					Test Type: EZ-Shot						Storage: Fielding Road, Lively									
Location: Janes Twp.						Collar Bearing: 300	UTM N: 5171098.388					Depth:	Az:	Dip:													
Started:		May 11, 2001 ?pm				Collar Dip: -70	UTM E: 547301.636					17m	303.7	-70.5													
Completed:		May 12, 2001 ?am				Casing: 1 NW	NAD27/Z17					119m	301.1	-69.8				Sawed: May 14-15, 2001									
Core Size: NQ						Depth: 119m	Boxes: 29											Logged By: S.H. Halladay									
Contractor: NDS - Timmins, ON						Elevation (MSL): 271.854m	Claims: 1220221											Date: May 15-16, 2001									
Units: metres																											
From	To	%core	%M	%F	Rock Type	Description	%cp	%po+	%py	No.	From	To	Interval	Tag	Au	Pt	Pd	Rh	3E	4E	Cu	Ni	Pd:Pt	Cu:Ni			
								pn							(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppm)	(ppm)					
113.00	114.20	100	40	60	shear/ fault zone	113 - 114.1 fg gabbro w 25-35% qtz-carb "tension-gash" fracture fillingsCA 70-80																					
						CA 70-80 deg.	nil	tr	nil	104	113.00	114.20	1.50	19004	11	0	0		11		336	100		3.4			
							nil	tr	tr	105	114.20	115.00	1.50	19005	35	0	0		35		132	49		2.7			
						114.1 - 114.2m strongly sheared with last 3cm fault brecciated, qtz-carb	nil	tr	tr	106	115.00	116.50	1.50	19006	7	0	0		7		30	43		0.7			
						infilled around mafic shards, minor gouge. Sharp far ct CA 80.	nil	tr	tr	107	116.50	118.00	1.50	19007	48	0	0		48		20	72		0.3			
							nil	tr	tr	108	118.00	119.00	1.50	19008	38	0	0		38		6	130		0.0			
114.20	119.00	100	20	80	footwall sediments	fg to vfg, grey wacke sediments to 118m, then black to dark grey wacke																					
	EOH					to end. Contains up to 5% carb epidote ff's and jnt coatings to 118m,																					
						strongly broken blocky core to 115.65m. RQD =0. Tr diss py or smears																					
						@ 119.0m end of hole																					

Property: Jackie Rastall						**Hole No.:JR01-24**	Grid E: 57.5 Grid N: 25.0				Test Type: EZ-Shot										Core Storage: Fielding Road, Lively					
Location: Janes Twp.						*Collar Bearing: 300*	*UTM N: 5171115.41m*				*Depth:*	*Az:*	*Dip:*													
Started:		May 11, 2001 ?pm				Collar Dip: -45	UTM E: 547268.61m				17m	301.1	-45.8													
Completed:		May 12, 2001 ?am				Casing: 3 NW	NAD27/Z17				89m	301.2	-46.6								Sawed: May 15-16, 2001					
Core Size: NQ						Depth: 89m	Boxes: 22														Logged By: S.H. Halladay					
Contractor: NDS - Timmins, ON						Elevation (MSL): 269.08m	Claims: 1220221														Date: May 17-18, 2001					
Units: metres							Estimates																			
From	To	%core	%M	%F	Rock Type	Description	%cp	%po+ pn	%py	No.	From	To	Interval	Tag	Au (ppb)	Pt (ppb)	Pd (ppb)	Rh (ppb)	3E (ppb)	4E (ppb)	Cu (ppm)	Ni (ppm)	Pd:Pt	Cu:Ni		
						SUMMARY																				
0.00	2.40	0			overburden																					
2.40	16.65	100	40	60	gabbro	mg, light grey gabbro w tr specks of py, po. Grad far ct over 5cm																				
16.65	26.30	100	35	65	altered	mixed unit w mainly70% mg light grey altered gabbro, tr sulphide:																				
					vari-textured	25% cg to pegmatitic gabbro sections up to1.5m w tr po, cp																				
					gabbro	and <5 % fg, darker grey more mafic gabbro w tr sulphides																				
26.30	34.00	100	45	55	gabbro	mg, light to med grey massive gabbro w tr vfg speck of po, py .																				
34.00	56.40	100	55	45	gabbro	mg, medium grey gen'y massive mineralized gabbro with tr to																				
					(minzn)	3% vfg diss cp, po , py as interstitial grains to the fsp / mafic																				
56.40	58.00	100	55	45	gabbro	as above, unmineralized																				
58.00	72.00	100	40	60	gabbro	mg, light grey massive gabbro w up to 5% light green epidote ff's																				
72.00	77.00	100	50	50	gabbro	fg to vfg, light to med grey gabbro weakly foliated CA 50-60,																				
						gen'y nil sulphides. Grad'al cts.																				
77.00	83.65	100	40	60	shear / fault	Sharp influx of pink to white carbonate - qtz filled "tension - gash"																				
					zone	wisps, jnt coatings and fracture fillings CA 30 to 80 deg in gabbro																				
						78.65 - 78.73m FAULT, strongly milled shards & gouge ct CA 65																				
						83.3 - 83.4m shear zone CA 35 w mm-sized carb wisps and																				
						black chl'c altn.																				
						@ 83.65m broken far ct CA 65 deg																				
83.65	89.00	100	10	90	footwall	fg to vfg grey wacke sediments w 20% carb ff's at various																				
	END				sediments	angles to CA w altered kspar halos. Tr diss py.																				
						@89m end of hole																				
						~ 7 digitial pictures taken along drill hole																				

Property: Jackie Rastall						Hole No.:JR01-24	Grid E: 57.5 Grid N: 25.0				Test Type: EZ-Shot							Core Storage: Fielding Road, Lively						
Location: Janes Twp.						Collar Bearing: 300	UTM N: 5171115.41m				Depth:	Az:	Dip:											
Started:		May 11, 2001 ?pm				Collar Dip: -45	UTM E: 547268.61m				17m	301.1	-45.8											
Completed:		May 12, 2001 ?am				Casing: 3 NW	NAD27/Z17				89m	301.2	-46.6					Sawed: May 15-16, 2001						
Core Size: NQ						Depth: 89m	Boxes: 22											Logged By: S.H. Halladay						
Contractor: NDS - Timmins, ON						Elevation (MSL): 269.08m	Claims: 1220221											Date: May 17-18, 2001						
Units: metres							Estimates																	
From	To	%core	%M	%F	Rock Type	Description	%cp	%po+ pn	%py	No.	From	To	Interval	Tag	Au (ppb)	Pt (ppb)	Pd (ppb)	Rh (ppb)	3E (ppb)	4E (ppb)	Cu (ppm)	Ni (ppm)	Pd:Pt	Cu:Ni
0.00	2.40	0			overburden																			
2.40	16.65	100	40	60	gabbro	mg, light grey gabbro w tr specks of py, po. Grad far ct over 5cm	nil	nil	tr	1	2.40	3.50	1.10	19009	176	34	53		263		93	79	1.6	1.2
							nil	nil	tr	2	3.50	5.00	1.50	19010	89	50	159		298		418	179	3.2	2.3
						2.4 - 10.0m weathered fracture zone with mod to strong orange	nil	nil	tr	3	5.00	6.50	1.50	19011	22	40	102		164		147	109	2.6	1.3
						rusty iron stained fractures and jnts 2-3/m CA 0-50 deg, w carb	nil	nil	tr	4	6.50	8.00	1.50	19012	510	36	62		608		123	102	1.7	1.2
							nil	nil	tr	5	8.00	9.50	1.50	19013	0	29	51		80		81	71	1.8	1.1
							nil	nil	tr	6	9.50	11.00	1.50	19014	0	16	66		82		100	84	4.1	1.2
							nil	nil	tr	7	11.00	12.50	1.50	19015	13	35	79		127		188	126	2.3	1.5
							nil	nil	tr	8	12.50	14.00	1.50	19016	53	23	26		102		140	95	1.1	1.5
							nil	nil	tr	9	14.00	15.50	1.50	19017	106	0	22		128		135	85	0.0	1.6
							nil	nil	tr	10	15.50	16.65	1.15	19018	102	32	57		191		83	71	1.8	1.2
16.65	26.30	100	35	65	altered	mixed unit w mainly70% mg light grey altered gabbro, tr sulphide:	nil	nil	tr	11	16.65	18.50	1.85	19019	28	30	31		89		312	108	1.0	2.9
					vari-textured	25% cg to pegmatitic gabbro sections up to1.5m w tr po, cp	nil	nil	tr	12	18.50	20.00	1.50	19020	8	0	27		35		230	104	0.0	2.2
					gabbro	and <5 % fg, darker grey more mafic gabbro w tr sulphides, all	nil	nil	tr	13	20.00	21.50	1.50	19021	150	28	35		213		305	122	1.3	2.5
						cts vary from sharp to grad'al. The alteration is mod pervasive	nil	nil	tr	14	21.50	23.00	1.50	19022	152	132	141		425		101	98	1.1	1.0
						pink - orange hematite / kspar as patchy sections about lovally	nil	nil	tr	15	23.00	24.50	1.50	19023	216	0	19		235		117	69	0.0	1.7
						vuggy carb (calcite) stringers and wispy clots to 2cm	nil	nil	tr	16	24.50	26.30	1.80	19024	389	32	64		485		266	112	2.0	2.4
						Cg green epidote and chl'c grains rim the pegmatic sections (ie.																		
						23.3 - 24.5m).																		
26.30	34.00	100	45	55	gabbro	mg, light to med grey massive gabbro w tr vfg speck of po, py .	nil	nil	tr	17	26.30	27.50	1.20	19025	119	40	108		267		141	109	2.7	1.3
						Jnts 1-5/m CA 40-60 deg locally w 1-3mm carb coatings (locally	nil	nil	tr	18	27.50	29.00	1.50	19026	33	34	60		127		108	79	1.8	1.4
						vuggy calcite).	nil	nil	tr	19	29.00	30.50	1.50	19027	130	16	23		169		76	72	1.4	1.1
							nil	nil	tr	20	30.50	32.00	1.50	19028	200	21	21		242		70	88	1.0	0.8
							nil	nil	tr	21	32.00	33.50	1.50	19029	171	21	14		206		76	73	0.7	1.0
							nil	tr	tr	22	33.50	34.00	0.50	19030	235	25	46		306		236	109	1.8	2.2
																							0.0	0.0
																							0.0	0.0
34.00	56.40	100	55	45	gabbro	mg, medium grey gen'y massive mineralized gabbro with tr to	<0.5	tr	tr	23	34.00	34.50	0.50	19031	252	32	123		407		511	220	3.8	2.3
					(minzn)	3% vfg diss cp, po , py as interstitial grains within the fsp / mafic	tr	tr	tr	24	34.50	35.00	0.50	19032	118	25	29		172		233	120	1.2	1.9
						grain boundaries, occ smear along jnt fractures.	<0.5	tr	tr	25	35.00	35.50	0.50	19033	21	0	35		56		278	123	0.0	2.3
							0.5	0.5	tr	26	35.50	36.00	0.50	19034	115	83	115		313		2722	1120	1.4	2.4
							1	1	<0.5	27	36.00	36.50	0.50	19035	213	35	101		349		1871	714	2.9	2.6
							1	2	tr	28	36.50	37.00	0.50	19036	142	53	144		339		2581	1026	2.7	2.5
							1	2-3	<0.5	29	37.00	37.50	0.50	19037	217	78	178		471		3855	1644	2.3	2.3
							1	<1	tr	30	37.50	38.00	0.50	19038	688	70	169		927		2839	1114	2.4	2.5
							0.5	0.5	tr	31	38.00	38.50	0.50	19039	191	28	81		300		1689	649	2.9	2.6
							<0.5	<0.5	tr	32	38.50	39.00	0.50	19040	24	0	24		48		409	162	0.0	2.5
							0.5	0.5	tr	33	39.00	39.50	0.50	19041	72	31	48		151		1232	492	1.5	2.5
						weak to mod epidote altn along and about jnts CA 20	<0.5	<0.5	tr	34	39.50	40.00	0.50	19042	106	44	144		294		2473	948	3.3	2.6
							<1	<1	tr	35	40.00	40.50	0.50	19043	214	69	238		521		3718	1442	3.4	2.6
							tr	tr	tr	36	40.50	41.00	0.50	19044	290	60	189		539		3417	1400	3.2	2.4
							1-2	2	tr	37	41.00	41.50	0.50	19045	145	59	195		399		2930	1226	3.3	2.4
							1-2	2	0.5	38	41.50	42.00	0.50	19046	363	94	263		720		4201	1798	2.8	2.3
							1-2	2	0.5	39	42.00	42.50	0.50	19047	254	104	325		683		5766	2412	3.1	2.4
							1-2	2	0.5	40	42.50	43.00	0.50	19048	237	101	299		637		5427	2258	3.0	2.4
							<1	1	tr	41	43.00	43.50	0.50	19049	205	95	258		556		4883	2034	2.7	2.4
						43.5 - 48m mg light grey massive gabbro, unminzn down to 46.5m.	tr	tr	tr	42	43.50	44.00	0.50	19050	138	96	176		410		3043	1250	1.8	2.4
							tr	tr	tr	43	44.00	44.50	0.50	19051	93	50	118		261		1707	676	2.4	2.5
						@44.62 a 5cm qtz - carb veinlet CA 70.	tr	tr	tr	44	44.50	45.00	0.50	19052	135	37	177		349		2886	1312	4.8	2.2
						@ 44.9m a 1cm shear CA 45, weakly chl'c.	tr	tr	tr	45	45.00	45.50	0.50	19053	197	34	117		348		1665	707	3.4	2.4
							tr	tr	tr	46	45.50	46.00	0.50	19054	159	66	168		393		2770	1193	2.5	2.3
						@ 46.5 grad increase in darker grey gabbro w diss sulphides	tr	tr	tr	47	46.00	46.50	0.50	19055	65	0	14		79		162	94	0.0	1.7

Property: Jackie Rastall						Hole No.:JR01-24	Grid E: 57.5 Grid N: 25.0					Test Type: EZ-Shot						Core Storage: Fielding Road, Lively							
Location: Janes Twp.						Collar Bearing: 300	UTM N: 5171115.41m					Depth:	Az:	Dip:											
Started:	May 11, 2001 ?pm					Collar Dip: -45	UTM E: 547268.61m					17m	301.1	-45.8											
Completed:	May 12, 2001 ?am					Casing: 3 NW	NAD27/Z17					89m	301.2	-46.6				Sawed: May 15-16, 2001							
Core Size: NQ						Depth: 89m	Boxes: 22											Logged By: S.H. Halladay							
Contractor: NDS - Timmins, ON						Elevation (MSL): 269.08m	Claims: 1220221											Date: May 17-18, 2001							
Units: metres																									
From	To	%core	%M	%F	Rock Type	Description	%cp	%po+ pn	%py	No.	From	To	Interval	Tag	Au (ppb)	Pt (ppb)	Pd (ppb)	Rh (ppb)	3E (ppb)	4E (ppb)	Cu (ppm)	Ni (ppm)	Pd:Pt	Cu:Ni
							1	2	0.5	48	46.50	47.00	0.50	19056	47	18	76		141		809	379	4.2	2.1
							tr	tr	tr	49	47.00	47.50	0.50	19057	48	23	56		127		580	263	2.4	2.2
						48.0 - 56.4m	<0.5	1	tr	50	47.50	48.00	0.50	19058	71	50	134		255		1197	518	2.7	2.3
						as above (34.0 - 43.5m) w slight increase in mafics to 60%	1	2	tr	51	48.00	48.50	0.50	19059	204	160	364		728		3736	1641	2.3	2.3
							2	3	tr	52	48.50	49.00	0.50	19060	213	126	290		629		4032	1692	2.3	2.4
						48.1 - 48.2m 70% mafic grains (melagabbro) sheared CA 60	<1	<1	tr	53	49.00	49.50	0.50	19061	416	137	481		1034		4921	2192	3.5	2.2
						w 5% vuggy calcite	<0.5	<0.5	tr	54	49.50	50.00	0.50	19062	474	96	287		857		2980	1137	3.0	2.6
							1	1	tr	55	50.00	50.50	0.50	19063	118	59	151		328		2182	714	2.6	3.1
						50.65m 2-5mm vuggy carb filled open rusty jnt CA 60 deg	0.5	2	tr	56	50.50	51.00	0.50	19064	533	114	323		970		3600	1417	2.8	2.5
							0.5	2	tr	57	51.00	51.50	0.50	19065	231	122	390		743		4089	1717	3.2	2.4
							3-5	3-5	1	58	51.50	52.05	0.55	19066	631	205	712		1548		5751	2346	3.5	2.5
							3	1-2	tr	59	52.05	52.50	0.45	19067	287	182	726		1195		5870	2308	4.0	2.5
							1-2	1-2	tr	60	52.50	53.00	0.50	19068	260	208	727		1195		4451	1784	3.5	2.5
							2	3	tr	61	53.00	53.50	0.50	19069	279	161	596		1036		4024	1768	3.7	2.3
							1	2	tr	62	53.50	54.00	0.50	19070	212	144	671		1027		3898	1548	4.7	2.5
							1	2	tr	63	54.00	54.50	0.50	19071	101	87	680		868		2971	1205	7.8	2.5
							1	1	tr	64	54.50	55.00	0.50	19072	201	100	597		898		2772	1187	6.0	2.3
							2	1	tr	65	55.00	55.50	0.50	19073	220	160	735		1115		3357	1433	4.6	2.3
							1	1	tr	66	55.50	56.00	0.50	19074	288	89	420		797		2033	896	4.7	2.3
						@ 56.4 m grad decrease in sulphides,	<0.5	<0.5	tr	67	56.00	56.40	0.40	19075	140	74	278		492		1596	590	3.8	2.7
56.40	58.00	100	55	45	gabbro	as above, unmineralized	tr	tr	tr	68	56.40	57.00	0.60	19076	29	18	46		93		194	102	2.6	1.9
							tr	tr	tr	69	57.00	58.00	1.00	19077	212	0	26		238		99	78	0.0	1.3
58.00	72.00	100	40	60	gabbro	mg, light grey massive gabbro w up to 5% thin light green epidote	tr	tr	tr	70	58.00	59.00	1.00	19078	26	18	22		66		87	111	1.2	0.8
						ff's and jnt coatings CA 45 - 70 in upper 5m. Jnts 2-5/m CA35 and	tr	tr	tr	71	59.00	60.50	1.50	19079	63	21	17		101		90	91	0.8	1.0
						50 deg w 1-5mm chl'c and or carb fillings. Tr speck of po,py	tr	tr	tr	72	60.50	62.00	1.50	19080	56	22	13		91		99	96	0.6	1.0
							tr	tr	tr	73	62.00	63.50	1.50	19081	14	42	24		80		98	90	0.6	1.1
						78.4 - 78.85m shear zone CA 45 -50 deg w 10% carb ff's and black	tr	tr	tr	74	63.50	65.00	1.50	19082	49	34	23		106		102	76	0.7	1.3
						chlorite and hematite altn, blocky.	tr	tr	tr	75	65.00	66.50	1.50	19083	37	37	16		90		96	70	0.4	1.4
							tr	tr	tr	76	66.50	68.00	1.50	19084	8	38	13		59		92	76	0.3	1.2
							tr	tr	tr	77	68.00	69.50	1.50	19085	12	31	16		59		101	67	0.5	1.5
							tr	tr	tr	78	69.50	71.00	1.50	19086	39	17	23		79		106	66	1.4	1.6
							nil	nil	tr	79	71.00	72.00	1.00	19087	34	24	17		75		106	67	0.7	1.6
72.00	77.00	100	50	50	gabbro	fg to vfg, light to med grey gabbro weakly foliated CA 50-60,	nil	nil	tr	80	72.00	73.00	1.00	19088	192	16	64		272		132	78	4.0	1.7
						gen'y nil sulphides. Grad'al cts.	nil	nil	tr	81	73.00	74.00	1.00	19089	22	33	16		71		97	72	0.5	1.3
							nil	nil	tr	82	74.00	75.50	1.50	19090	11	24	18		53		102	76	0.8	1.3
							nil	nil	tr	83	75.50	77.00	1.50	19091	43	57	17		117		84	68	0.3	1.2
77.00	83.65	100	40	60	shear / fault	fg, grey gabbro w sharp influx of pink-white carb/qtz "tension - gash"	nil	nil	tr	84	77.00	78.50	1.50	19092	53	0	13		66		83	98	0.0	0.8
					zone	wisps, jnt coatings & fracture fillings CA 30 to 80 deg, locally	nil	nil	tr	85	78.50	80.00	1.50	19093	231	0	21		252		120	101	0.0	1.2
						vuggy w tr py, po. Gen'y 1-5mm in width, and up to 20% of core.	nil	nil	tr	86	80.00	81.50	1.50	19094	39	25	18		82		83	100	0.7	0.8
							nil	nil	tr	87	81.50	83.00	1.50	19095	42	0	17		59		93	110	0.0	0.8
						@ 77.27m a 5cm pink carb vein CA 50	nil	nil	tr	88	83.00	83.65	0.65	19096	15	0	0		15		188	97	0.0	1.9
							nil	nil	tr	89	83.65	84.50	0.85	19097	18	22	0		40		52	52	0.0	1.0
						78.65 - 78.73m FAULT, strongly milled shards & gouge ct CA 65	nil	nil	tr	90	84.50	86.00	1.50	19098	123	0	0		123		22	49	0.0	0.4
							nil	nil	tr	91	86.00	87.50	1.50	19099	56	0	0		56		30	55	0.0	0.5
						83.3 - 83.4m shear zone CA 35 w mm-sized carb wisps and	nil	nil	tr	92	87.50	89.00	1.50	19100	129	0	0		129		18	51	0.0	0.4
						black chl'c altn.																		
						@ 83.65m broken far ct CA 65 deg																		
83.65	89.00	100	10	90	footwall	fg to vfg grey wacke sediments w 20% carb ff's at various																		
	EOH				sediments	angles to CA w altered kspar halos. Tr diss py.																		
						@ 89m end of hole.																		

Property: Janes Property						**Hole No.:JR-25**	Grid E: 93 Grid N: 50				Test Type: EZ-Shot								Storage: Fielding Road, Lively						
Location: Janes Twp.						Collar Bearing: 300	UTM N: 5171122.226				Depth:	Az:	Dip:												
Started:						Collar Dip: -45.0	UTM E: 547311.156				17.0	300.6	-45.6												
Completed:						Casing:	NAD27/Z17				102.0	301.0	-45.2												
Core Size: NQ						Depth: 102.22m	Boxes: 25												Logged By: G. Mourre						
Contractor: NDS - Timmins, ON						Elevation (MSL): 273.6m	Claims: 1220221												Date: May 19th, 2001						
Units: metres																									
From	To	%core	%M	%F	Rock Type	Description	%cp	%po+ pn	%py	No.	From	To	Interval	Tag	Au (ppb)	Pt (ppb)	Pd (ppb)	Rh (ppb)	3E (ppb)	4E (ppb)	Ci (ppm)	Ni (ppm)	Pd:Pt	Cu:Ni
					Summary																			
0.00	0.60	0			Overburden																			
0.60	30.70	100	40	60	Gabbro mineralized																			
30.70	90.80	100	25-30	70-75	Gabbro																			
90.80	102.22	95			Conglomerate																			
102.22					End of Hole																			

Property: Janes Property						Hole No.:JR-25	Grid E: 93 Grid N: 50				Test Type: EZ-Shot							Storage: Fielding Road, Lively						
Location:Janes Twp.						Collar Bearing: 300	UTM N: 5171122.226				Depth:	Az:	Dip:											
Started:						Collar Dip: -45.0	UTM E: 547311.156				17.0	300.6	-45.6											
Completed:						Casing:	NAD27/Z17				102.0	301.0	-45.2											
Core Size: NQ						Depth: 102.22m	Boxes: 25											Logged By: G. Mourre						
Contractor: NDS - Timmins, ON						Elevation (MSL): 273.6m	Claims: 1220221											Date: May 19th, 2001						
Units: metres																								
From	To	%core	%M	%F	Rock Type	Description	%cp	%po+ pn	%py	No.	From	To	Interval	Tag	Au (ppb)	Pt (ppb)	Pd (ppb)	Rh (ppb)	3E (ppb)	4E (ppb)	Cu (ppm)	Ni (ppm)	Pd:Pt	Cu:Ni
0.00	0.60	0			Overburden																			
0.60	30.70	100	40	60	Gabbro mineralized	mg, dark grey/green, gabbro, varitextured ranging from fg through to pegmatitic, slight variations in comp. ranging from gabbro to melagabbro, transition between variations varies from sharp to diffuse, in some locations resulting in a breccia appearance, Tr to locally 5% fg to mg diss./blebby cpy and po, occasional cg clot of leucocratic material. moderate to intense alt'n of the plagioclase and amphibole/pyroxenes. Some zones have a pronounced pinkish/white plagioclase producing a porphyritic texture, jnt-fct @ 65-90 degrees to CA. @16.4-17.9m: a fg-mg, bluish/black, gabbro/mela-gabbro, fairly sharp upper and lower contacts, extremely magnetic, vfg diss mag, sulphide content decrease in zones, NV to Tr. @29.0-30.7m: as above	Tr	Tr	NV	1	0.60	1.00	0.40	19101	35	0	0		35		625	259	0.0	2.4
							1-Tr%	1-Tr%	NV	2	1.00	1.50	0.50	19102	121	0	0		121		772	217	0.0	3.6
							1-Tr%	1%	NV	3	1.50	2.00	0.50	19103	36	18	0		54		1107	377	0.0	2.9
							Tr	1-Tr%	NV	4	2.00	2.50	0.50	19104	45	37	23		105		1040	318	0.6	3.3
							Tr	Tr	NV	5	2.50	3.00	0.50	19105	31	18	17		66		621	224	0.9	2.8
							Tr	Tr	NV	6	3.00	3.50	0.50	19106	47	0	21		68		979	350	0.0	2.8
							Tr	Tr	NV	7	3.50	4.00	0.50	19107	25	0	16		41		582	187	0.0	3.1
							1-Tr%	1-Tr%	NV	8	4.00	4.50	0.50	19108	51	0	26		77		1081	387	0.0	2.8
							1-Tr%	1%	NV	9	4.50	5.00	0.50	19109	59	0	27		86		1488	513	0.0	2.9
							1-2%	2%	NV	10	5.00	5.50	0.50	19110	105	37	62		204		4103	1415	1.7	2.9
							1-2%	1-2%	NV	11	5.50	6.00	0.50	19111	34	0	25		59		1293	373	0.0	3.5
							1-Tr%	Tr	NV	12	6.00	6.50	0.50	19112	24	0	28		52		908	335	0.0	2.7
							Tr	1-Tr%	Tr	13	6.50	7.00	0.50	19113	25	36	28		89		970	354	0.8	2.7
							Tr	1-Tr%	NV	14	7.00	7.50	0.50	19114	41	36	29		106		1334	395	0.8	3.4
							1-Tr%	1-Tr%	Tr	15	7.50	8.00	0.50	19115	88	28	22		138		1460	544	0.8	2.7
							1%	Tr	Tr	16	8.00	8.50	0.50	19116	34	17	28		79		2320	536	1.6	4.3
							1-2%	1-2%	Tr	17	8.50	9.00	0.50	19117	68	54	48		170		2889	1225	0.9	2.4
							1-Tr%	1-Tr%	Tr	18	9.00	9.50	0.50	19118	161	63	41		265		2627	1015	0.7	2.6
							Tr	Tr	NV	19	9.50	10.00	0.50	19119	43	38	26		107		732	504	0.7	1.5
							Tr	Tr	Tr	20	10.00	10.50	0.50	19120	84	18	23		125		1556	532	1.3	2.9
							Tr	Tr	Tr	21	10.50	11.00	0.50	19121	108	63	49		220		3590	851	0.8	4.2
							1%	Tr	Tr	22	11.00	11.50	0.50	19122	152	65	64		281		4608	997	1.0	4.6
							Tr	Tr	NV	23	11.50	12.00	0.50	19123	51	36	30		117		1641	412	0.8	4.0
							Tr	Tr	Tr	24	12.00	12.50	0.50	19124	54	37	26		117		1702	354	0.7	4.8
							Tr	Tr	Tr	25	12.50	13.00	0.50	19125	86	54	39		179		2157	667	0.7	3.2
							Tr	Tr	Tr	26	13.00	13.50	0.50	19126	51	36	28		115		1276	347	0.8	3.7
							Tr	Tr	NV	27	13.50	14.00	0.50	19127	22	22	27		71		362	247	1.2	1.5
							Tr	Tr	NV	28	14.00	14.50	0.50	19128	22	31	74		127		544	273	2.4	2.0
							Tr	Tr	NV	29	14.50	15.00	0.50	19129	461	115	135		711		1122	558	1.2	2.0
							1-Tr%	1-Tr%	Tr	30	15.00	15.50	0.50	19130	406	69	47		522		1429	564	0.7	2.5
							Tr	Tr	NV	31	15.50	16.00	0.50	19131	106	38	45		189		692	369	1.2	1.9
							Tr	Tr	NV	32	16.00	16.50	0.50	19132	181	68	40		289		598	240	0.6	2.5
							Tr	Tr	NV	33	16.50	17.00	0.50	19133	442	150	183		775		541	977	1.2	0.6
							NV	NV	Tr	34	17.00	17.50	0.50	19134	107	132	100		339		215	670	0.8	0.3
						broken core	NV	NV	Tr	35	17.50	17.90	0.40	19135	49	243	208		500		116	338	0.9	0.3
							NV	NV	Tr	36	17.90	18.50	0.60	19136	23	157	129		309		116	282	0.8	0.4
							Tr	Tr	Tr	37	18.50	19.00	0.50	19137	66	213	289		568		371	261	1.4	1.4
							Tr	Tr	NV	38	19.00	19.50	0.50	19138	147	253	288		688		347	819	1.1	0.4

Property: Janes Property						Hole No.:JR-25	Grid E: 93 Grid N: 50				Test Type: EZ-Shot						Storage: Fielding Road, Lively						
Location: Janes Twp.						Collar Bearing: 300	UTM N: 5171122.226				Depth:	Az:	Dip:										
Started:						Collar Dip: -45.0	UTM E: 547311.156				17.0	300.6	-45.6										
Completed:						Casing:	NAD27/Z17				102.0	301.0	-45.2										
Core Size: NQ						Depth: 102.22m	Boxes: 25										Logged By: G. Mourre						
Contractor: NDS - Timmins, ON						Elevation (MSL): 273.6m	Claims: 1220221										Date: May 19th, 2001						
Units: metres																							
From	To	%core	%M	%F	Rock Type	Description	%cp	%po+ pn	%py	No.	From	To	Interval	Tag	Au (ppb)	Pt (ppb)	Pd (ppb)	Rh (ppb)	3E (ppb)	4E (ppb)	Cu (ppm)	Ni (ppm)	Pd:Pt	Cu:Ni
					con't																			
0.60	30.70	100	40	60	Gabbro																			
							Tr	Tr	NV	39	19.50	20.00	0.50	19139	336	143	98		577		1135	732	0.7	1.6
						cg angular cpy	2-3%	1%	Tr	40	20.00	20.50	0.50	19140	675	190	240		1105		8689	1238	1.3	7.0
						cg angular cpy	1-2%	1-Tr%	Tr	41	20.50	21.00	0.50	19141	290	213	162		665		6608	1059	0.8	6.2
						cg angular cpy	1%	Tr	Tr	42	21.00	21.50	0.50	19142	197	76	74		347		1359	372	1.0	3.7
							Tr	NV	Tr	43	21.50	22.00	0.50	19143	92	76	59		227		847	341	0.8	2.5
						minor cg, angular cpy	1%	Tr	Tr	44	22.00	22.50	0.50	19144	94	102	79		275		1617	671	0.8	2.4
						minor cg, angular cpy	1%	NV	Tr	45	22.50	23.00	0.50	19145	83	70	44		197		1194	351	0.6	3.4
							Tr	Tr	Tr	46	23.00	23.50	0.50	19146	40	63	38		141		1040	433	0.6	2.4
							1-2%	Tr	Tr	47	23.50	24.00	0.50	19147	62	110	87		259		1932	450	0.8	4.3
							1-2%	1-Tr%	NV	48	24.00	24.50	0.50	19148	60	47	36		143		1035	162	0.8	6.4
							1-Tr%	Tr	NV	49	24.50	25.00	0.50	19149	41	50	21		112		1057	197	0.4	5.4
							1-Tr%	Tr	NV	50	25.00	25.50	0.50	19150	40	49	14		103		1231	160	0.3	7.7
							1-Tr%	Tr	NV	51	25.50	26.00	0.50	19151	45	50	25		120		1265	184	0.5	6.9
							Tr	Tr	NV	52	26.00	26.50	0.50	19152	45	34	15		94		989	162	0.4	6.1
							Tr	Tr	NV	53	26.50	27.00	0.50	19153	86	44	33		163		1182	202	0.8	5.9
							Tr	Tr	NV	54	27.00	27.50	0.50	19154	55	107	57		219		1118	239	0.5	4.7
							Tr	Tr	NV	55	27.50	28.00	0.50	19155	69	58	43		170		1390	342	0.7	4.1
							Tr	Tr	NV	56	28.00	28.50	0.50	19156	91	167	101		359		620	371	0.6	1.7
							Tr	Tr	NV	57	28.50	29.00	0.50	19157	119	101	78		298		195	190	0.8	1.0
							NV	NV	NV	58	29.00	29.50	0.50	19158	51	280	170		501		342	742	0.6	0.5
							NV	NV	NV	59	29.50	30.00	0.50	19159	63	298	144		503		192	694	0.5	0.3
							Tr	NV	NV	60	30.00	30.70	0.70	19160	351	517	735		1603		3339	978	1.4	3.4
30.70	90.80	100	25-30	70-75	Gabbro	mg, light grey, massive gabbro, marked by pronounced																		
						white plagioclase, conc. of plag varies from 5 to 20																		
						percent, varitextured throughout ranging from mg to																		
						fg, fg unit is dark grey in color, NV sulphide throughout,																		
						locally Tr sulphides, small hairline fractures throughout																		
						filled with carb+epid at varying angles.																		
						@53.7-54.5m: shear zone, at 50 degrees to CA,																		
						carb+epid veining throughout, Tr py.																		
							NV	NV	NV	61	30.70	32.00	1.30	19161	61	132	139		332		694	173	1.1	4.0
							NV	NV	NV	62	32.00	33.50	1.50	19162	19	36	23		78		76	72	0.6	1.1
							NV	NV	NV	63	33.50	35.00	1.50	19163	15	35	26		76		56	67	0.7	0.8
							NV	NV	NV	64	35.00	36.50	1.50	19164	19	35	23		77		56	65	0.7	0.9
							NV	NV	NV	65	36.50	38.00	1.50	19165	24	34	32		90		69	72	0.9	1.0
							NV	NV	NV	66	38.00	39.50	1.50	19166	17	35	15		67		51	62	0.4	0.8
							NV	NV	NV	67	39.50	41.00	1.50	19167	30	27	35		92		52	62	1.3	0.8
							NV	NV	NV	68	41.00	42.50	1.50	19168	24	37	32		93		51	77	0.9	0.7
							NV	NV	NV	69	42.50	44.00	1.50	19169	99	19	18		136		45	80	0.9	0.6
							NV	NV	NV	70	44.00	45.50	1.50	19170	49	29	21		99		49	71	0.7	0.7
							NV	NV	NV	71	45.50	47.00	1.50	19171	32	29	17		78		54	70	0.6	0.8
							NV	NV	NV	72	47.00	48.50	1.50	19172	19	0	16		35		56	76	0.0	0.7
							NV	NV	NV	73	48.50	50.00	1.50	19173	9	42	28		79		51	76	0.7	0.7
							NV	NV	NV	74	50.00	51.50	1.50	19174	9	27	13		49		51	69	0.5	0.7
							NV	NV	NV	75	51.50	53.00	1.50	19175	16	20	27		63		50	78	1.4	0.6
							NV	NV	Tr	76	53.00	54.50	1.50	19176	5	25	34		64		41	88	1.4	0.5
							NV	NV	NV	77	54.50	56.00	1.50	19177	5	19	26		50		48	71	1.4	0.7
							NV	NV	NV	78	56.00	57.50	1.50	19178	10	23	25		58		66	65	1.1	1.0
							NV	NV	NV	79	57.50	59.00	1.50	19179	7	31	23		61		63	63	0.7	1.0
							NV	NV	NV	80	59.00	60.50	1.50	19180	7	37	24		68		62	72	0.6	0.9
							NV	NV	NV	81	60.50	62.00	1.50	19181	6	26	42		74		66	62	1.6	1.1

Property: Janes Property						**Hole No.:JR-25**	Grid E: 93 Grid N: 50				Test Type: EZ-Shot										Storage: Fielding Road, Lively						
Location: Janes Twp.						Collar Bearing: 300	UTM N: 5171122.226				Depth:	Az:	Dip:														
Started:						Collar Dip: -45.0	UTM E: 547311.156				17.0	300.6	-45.6														
Completed:						Casing:	NAD27/Z17				102.0	301.0	-45.2														
Core Size: NQ						Depth: 102.22m	Boxes: 25														Logged By: G. Mourre						
Contractor: NDS - Timmins, ON						Elevation (MSL): 273.6m	Claims: 1220221														Date: May 19th, 2001						
Units: metres																											
From	To	%core	%M	%F	Rock Type	Description	%cp	%po+ pn	%py	No.	From	To	Interval	Tag	Au (ppb)	Pt (ppb)	Pd (ppb)	Rh (ppb)	3E (ppb)	4E (ppb)	Cu (ppm)	Ni (ppm)	Pd:Pt	Cu:Ni			
					con't																						
30.70	90.80	100	25-30	70-75	Gabbro																						
							NV	NV	NV	82	62.00	63.50	1.50	19182	7	39	19		65		64	52	0.5	1.2			
							NV	NV	NV	83	63.50	65.00	1.50	19183	16	26	25		67		57	55	1.0	1.0			
							NV	NV	NV	84	65.00	66.50	1.50	19184	6	28	16		50		63	56	0.6	1.1			
							NV	NV	NV	85	66.50	68.00	1.50	19185	16	22	18		56		65	47	0.8	1.4			
							NV	NV	NV	86	68.00	69.50	1.50	19186	186	15	27		228		69	49	1.8	1.4			
							NV	NV	NV	87	69.50	71.00	1.50	19187	34	16	17		67		70	50	1.1	1.4			
							Tr	NV	NV	88	71.00	72.50	1.50	19188	88	66	212		366		1607	673	3.2	2.4			
							Tr	Tr	Tr	89	72.50	74.00	1.50	19189	94	81	203		378		1660	629	2.5	2.6			
							NV	NV	NV	90	74.00	75.50	1.50	19190	26	43	44		113		272	131	1.0	2.1			
							NV	NV	NV	91	75.50	77.00	1.50	19191	5	18	11		34		77	62	0.6	1.2			
							NV	NV	NV	92	77.00	78.50	1.50	19192	0	0	16		16		85	74	0.0	1.1			
							NV	NV	NV	93	78.50	80.00	1.50	19193	8	0	12		20		84	53	0.0	1.6			
							NV	NV	NV	94	80.00	81.50	1.50	19194	0	18	18		36		82	66	1.0	1.2			
							NV	NV	NV	95	81.50	83.00	1.50	19195	8	0	12		20		77	67	0.0	1.1			
							NV	NV	NV	96	83.00	84.50	1.50	19196	8	0	14		22		90	65	0.0	1.4			
							Tr	NV	NV	97	84.50	86.00	1.50	19197	14	25	46		85		429	349	1.8	1.2			
							NV	NV	NV	98	86.00	87.50	1.50	19198	19	52	43		114		171	100	0.8	1.7			
						progressive decrease in grainsize from 86.0-90.8m,																						
						from mg to fg.																					
							NV	NV	NV	99	87.50	89.00	1.50	19199	37	23	11		71		87	55	0.5	1.6			
						fault zone (blocky core) 98.3-85.5m	NV	NV	NV	100	89.00	90.80	1.80	19200	29	25	0		54		100	74	0.0	1.4			
						broken and blocky core from 90.8-91.6m, qtz+carb tension																					
						gashes throughout fault zone.																					
90.80	102.22	95			Conglomerate	sheared or faulted upper contact, fg wacke matrix with																					
						rounded to sub rounded granitic fragments, rusty/grey																					
	EOH					in color, Tr pyrite throughout, fragments show evidence																					
						of epidote alt'n, qtz+carb veins/fractures throughout at																					
						varying angles.																					
							NV	NV	Tr	101	90.80	92.00	1.20	19201	55	0	0		55		184	69	0.0	2.7			
							NV	NV	Tr	102	92.00	93.50	1.50	19202	23	0	0		23		104	48	0.0	2.2			
							NV	NV	Tr	103	93.50	95.00	1.50	19203	15	0	0		15		30	46	0.0	0.7			
							NV	NV	Tr	104	95.00	96.50	1.50	19204	11	0	0		11		20	31	0.0	0.6			
							NV	NV	Tr	105	96.50	98.00	1.50	19205	9	0	0		9		44	47	0.0	0.9			
							NV	NV	Tr	106	98.00	99.50	1.50	19206	0	0	0		0		24	44	0.0	0.5			
							NV	NV	Tr	107	99.50	101.00	1.50	19207	6	0	0		6		35	50	0.0	0.7			
							NV	NV	Tr	108	101.00	102.22	1.22	19208	8	0	0		8		53	40	0.0	1.3			
						four digital photo's taken																					
						EOH - 102.22m																					

Property: Janes Property						**Hole No.: JR-0126**	Grid E: 93.0 Grid N: -201.0				Test Type: EZ-Shot							Core Storage: Fielding Road, Lively							
Location: Janes Twp.						Collar Bearing: 285	UTM N: 5170890.091				Depth:	Az:	Dip:	Mag:	Roll:										
Started:						Collar Dip: -45	UTM E: 547179.638				11.0	287.1	-45.7												
Completed:						Casing:	NAD27/Z17																		
Core Size: NQ						Depth: 119.0m	Boxes: 30											Logged By: G. Mourre							
Contractor: NDS - Timmins, ON						Elevation (MSL): 264.02m	Claims: 1220221											Date: May 21st, 2001							
Units: metres																									
From	To	%core	%M	%F	Rock Type	Description	%cp	%po+ pn	%py	No.	From	To	Interval	Tag	Au (ppb)	Pt (ppb)	Pd (ppb)	Rh (ppb)	3E (ppb)	4E (ppb)	Cu (ppm)	Ni (ppm)	Pd:Pt	Cu:Ni
					Summary																			
0.00	0.70	0			Overburden																			
0.70	119.00	100	30-35	65-70	Gabbro																			
	119.00				End of Hole																			

Property:Janes Property						**Hole No.:JR-0126**	Grid E: 93.0 Grid N: -201.0				Test Type: EZ-Shot						Core Storage: Fielding Road, Lively						
Location: Janes Twp.						Collar Bearing: 285	UTM N: 5170890.091				Depth:	Az:	Dip:	Mag:	Roll:								
Started:						Collar Dip: -45	UTM E: 547179.638				11.0	287.1	-45.7										
Completed:						Casing:	NAD27/Z17																
Core Size: NQ						Depth: 119.0m	Boxes: 30										Logged By: G. Mourre						
Contractor: NDS - Timmins, ON						Elevation (MSL): 264.02m	Claims: 1220221										Date: May 21st, 2001						
Units: metres																							
From	To	%core	%M	%F	Rock Type	Description	%cp	%po+	%py	No.	From	To	Interval	Tag	Au	Pt	Pd	Rh	3E	4E	Cu	Ni	Pd:Pt	Cu:Ni
								pn							(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppb)	(ppm)	(ppm)		
0.00	0.70	0			Overburden																			
0.70	119.00	100	30-35	65-70	Gabbro	mg, light grey, massive gabbro, marked by pronounced																		
						white plagioclase, conc. of plag varies from 20 to 50																		
						percent, varitextured throughout ranging from mg to																		
						fg, fg unit is dark grey in color, NV sulphide throughout,																		
						locally Tr sulphides, small hairline fractures throughout																		
						filled with qtz and carb.																		
						fg units are gabbro to melagabbro in composition,																		
						sharp upper and lower contacts, in some cases																		
						there are chilled margins, contacts are at approx. 55																		
						degrees to CA, units contain Tr to 1% v fg diss po and																		
						py, small cm wide veins parallel to contacts.																		
						exhibit intrusive crosscutting relationships. Feeder?																		
						@3.45-4.7m: fg mafic unit																		
						@11.6-12.55m: fg mafic unit																		
						@14.85-15.1m: fg mafic unit																		
						@17.0-18.24m: fg mafic unit																		
						broken core @3.65-4.0m																		
						broken core@ 6.1m																		
						broken core @ 9.8m																		
						broken core @ 12.15m																		
							NV	NV	NV	1	0.70	2.00	1.30	19209	18	55	29		102		96	95	0.5	1.0
							NV	NV	NV	2	2.00	3.45	1.45	19210	17	52	39		108		115	81	0.8	1.4
							NV	NV	NV	3	3.45	4.70	1.25	19211	0	61	52		113		8	137	0.9	0.1
							NV	Tr	Tr	4	4.70	6.00	1.30	19212	13	44	41		98		120	87	0.9	1.4
							NV	NV	NV	5	6.00	7.50	1.50	19213	18	52	60		130		202	124	1.2	1.6
							NV	NV	NV	6	7.50	9.00	1.50	19214	16	48	64		128		166	95	1.3	1.7
							NV	NV	NV	7	9.00	10.50	1.50	19215	14	47	49		110		98	73	1.0	1.3
							NV	NV	NV	8	10.50	11.60	1.10	19216	12	42	39		93		87	84	0.9	1.0
							NV	Tr	Tr	9	11.60	12.55	0.95	19217	0	44	54		98		13	122	1.2	0.1
							NV	NV	NV	10	12.55	13.50	0.95	19218	15	56	52		123		75	65	0.9	1.2
							NV	NV	NV	11	13.50	14.85	1.35	19219	12	40	52		104		68	70	1.3	1.0
							NV	Tr	Tr	12	14.85	15.10	0.25	19220	0	41	37		78		16	91	0.9	0.2
							NV	NV	NV	13	15.10	16.00	0.90	19221	8	35	38		81		69	74	1.1	0.9
							NV	NV	NV	14	16.00	17.00	1.00	19222	13	54	60		127		78	68	1.1	1.1
							NV	Tr	Tr	15	17.00	18.24	1.24	19223	0	87	80		167		6	145	0.9	0.0
						@24.0-25.25m: fg mafic unit																		
						@29.8-30.65m: fg mafic unit																		
						Fractured core @ 30.25m at 55 degrees to CA																		
						Healed fault zone @ 32.9m at 25 degrees to CA																		
						From 26.0m begin to see a lot more hairline fractures																		
						and shears, filled with carb, epidote, chlorite and																		
						commonly contain pyrite.																		
							NV	NV	NV	16	18.24	19.00	0.76	19224	10	38	86		134		121	93	2.3	1.3
							NV	NV	NV	17	19.00	20.00	1.00	19225	16	49	143		208		248	128	2.9	1.9
							NV	NV	NV	18	20.00	21.50	1.50	19226	0	55	75		130		99	95	1.4	1.0
							NV	NV	NV	19	21.50	23.00	1.50	19227	0	47	62		109		79	81	1.3	1.0
							NV	NV	NV	20	23.00	24.00	1.00	19228	8	31	60		99		88	85	1.9	1.0
							NV	Tr	Tr	21	24.00	25.25	1.25	19229	0	46	55		101		14	136	1.2	0.1
							NV	NV	NV	22	25.25	26.00	0.75	19230	7	43	58		108		117	76	1.3	1.5
							Tr	Tr	NV	23	26.00	27.50	1.50	19231	22	93	333		448		603	241	3.6	2.5
							NV	Tr	NV	24	27.50	29.00	1.50	19232	7	30	48		85		80	65	1.6	1.2
							NV	NV	NV	25	29.00	29.80	0.80	19233	17	27	52		96		107	89	1.9	1.2
							NV	Tr	Tr	26	29.80	30.65	0.85	19234	28	244	1277		1549		182	635	5.2	0.3

Property:Janes Property						Hole No.:JR-0126	Grid E: 93.0 Grid N: -201.0				Test Type: EZ-Shot						Core Storage: Fielding Road, Lively						
Location: Janes Twp.						Collar Bearing: 285	UTM N: 5170890.091				Depth:	Az:	Dip:	Mag:	Roll:								
Started:						Collar Dip: -45	UTM E: 547179.638				11.0	287.1	-45.7										
Completed:						Casing:	NAD27/Z17																
Core Size: NQ						Depth: 119.0m	Boxes: 30										Logged By: G. Mourre						
Contractor: NDS - Timmins, ON						Elevation (MSL): 264.02m	Claims: 1220221										Date: May 21st, 2001						
Units: metres																							
From	To	%core	%M	%F	Rock Type	Description	%cp	%po+ pn	%py	No.	From	To	Interval	Tag	Au (ppb)	Pt (ppb)	Pd (ppb)	Rh (ppb)	3E (ppb)	4E (ppb)	Cu (ppm)	Ni (ppm)	Pd:Pt	Cu:Ni
					con't																			
0.70	119.00	100	30-35	65-70	Gabbro																			
							NV	NV	NV	27	30.65	32.00	1.35	19235	10	30	73		113		124	88	2.4	1.4
							NV	NV	NV	28	32.00	33.50	1.50	19236	27	52	228		307		383	212	4.4	1.8
							NV	NV	NV	29	33.50	34.30	0.80	19237	9	19	47		75		140	90	2.5	1.6
						@34.3-35.0m: fg, mafic unit																		
						@39.3-40.7m: fg, mafic unit.																		
						@43.9-46.15m: fg, mafic unit.																		
						broken core from 34.55-35.0m																		
						broken core from 39.5-40.7m																		
						broken and blocky core from 41.9-46.0m																		
						broken and blocky core from 48.5-49.5m																		
						fault zone @ 46.0m																		
						From 47.0-48.35m Tr to 1-Tr% v fg diss po, cpy and py.																		
							Tr	Tr	Tr	30	34.30	35.00	0.70	19238	0	25	47		72		15	129	1.9	0.1
							NV	NV	NV	31	35.00	36.50	1.50	19239	7	20	36		63		80	76	1.8	1.1
							NV	NV	NV	32	36.50	38.00	1.50	19240	0	0	48		48		80	70	0.0	1.1
							NV	NV	NV	33	38.00	39.30	1.30	19241	18	16	50		84		87	80	3.1	1.1
							Tr	Tr	Tr	34	39.30	40.70	1.40	19242	0	18	27		45		24	179	1.5	0.1
							NV	NV	NV	35	40.70	42.00	1.30	19243	16	0	33		49		169	124	0.0	1.4
							NV	NV	NV	36	42.00	43.00	1.00	19244	12	21	51		84		258	194	2.4	1.3
							NV	NV	NV	37	43.00	43.90	0.90	19245	31	16	43		90		868	337	2.7	2.6
							Tr	Tr	Tr	38	43.90	45.00	1.10	19246	42	64	135		241		1734	1286	2.1	1.3
							Tr	Tr	Tr	39	45.00	46.15	1.15	19247	62	72	105		239		2003	898	1.5	2.2
							NV	NV	NV	40	46.15	47.00	0.85	19248	34	51	65		150		843	341	1.3	2.5
							Tr	Tr	Tr	41	47.00	48.50	1.50	19249	57	60	75		192		1565	569	1.3	2.8
							NV	NV	NV	42	48.50	50.00	1.50	19250	19	44	90		153		764	353	2.0	2.2
						@60.6-63.15m: fg, mafic unit																		
						broken and blocky core from 50.0-63.0m																		
						potassic and hematite alt'n from 50.0-60.0m																		
						moderate to intense carbonate filled fractures.																		
						Healed fault zone @ 59.3m @ 40 degrees to CA																		
						Healed fault zone from 53.4-54.5m, fault breccia,																		
						in filled with qtz+carb., cg blebby cpy associated																		
						with fault zone, intense potassic and hematite alt'n																		
						associated with fault zone.																		
						jointing throughout is typically at 45 to 60 degrees to CA.																		
						filled fractures are highly variable ranging from 0 to																		
						90 degrees to CA.																		
							NV	NV	NV	43	50.00	51.00	1.00	19251	14	18	34		66		72	103	1.9	0.7
							NV	NV	NV	44	51.00	52.00	1.00	19252	16	0	24		40		89	84	0.0	1.1
							NV	NV	NV	45	52.00	53.40	1.40	19253	14	22	56		92		242	105	2.5	2.3
							Tr	Tr	Tr	46	53.40	54.50	1.10	19254	19	30	151		200		1101	186	5.0	5.9
							NV	NV	NV	47	54.50	56.00	1.50	19255	80	0	75		155		137	88	0.0	1.6
							NV	NV	NV	48	56.00	57.50	1.50	19256	8	0	21		29		78	74	0.0	1.1
							NV	NV	NV	49	57.50	59.00	1.50	19257	8	0	31		39		124	96	0.0	1.3
							NV	NV	NV	50	59.00	60.60	1.60	19258	12	54	27		93		125	98	0.5	1.3
							Tr	Tr	Tr	51	60.60	62.00	1.40	19259	9	26	21		56		15	149	0.8	0.1
							Tr	Tr	Tr	52	62.00	63.15	1.15	19260	0	24	19		43		5	136	0.8	0.0
							NV	NV	NV	53	63.15	64.00	0.85	19261	20	34	18		72		94	75	0.5	1.3
							NV	NV	NV	54	64.00	65.00	1.00	19262	10	16	14		40		77	70	0.9	1.1

Property: Janes Property						Hole No.: JR-0126	Grid E: 93.0	Grid N: -201.0			Test Type: EZ-Shot								Core Storage: Fielding Road, Lively					
Location: Janes Twp.						Collar Bearing: 285	UTM N: 5170890.091				Depth:	Az:	Dip:	Mag:	Roll:									
Started:						Collar Dip: -45	UTM E: 547179.638				11.0	287.1	-45.7											
Completed:						Casing:	NAD27/Z17																	
Core Size: NQ						Depth: 119.0m	Boxes: 30												Logged By: G. Mourre					
Contractor: NDS - Timmins, ON						Elevation (MSL): 264.02m	Claims: 1220221												Date: May 21st, 2001					
Units: metres																								
From	To	%core	%M	%F	Rock Type	Description	%cp	%po+ pn	%py	No.	From	To	Interval	Tag	Au (ppb)	Pt (ppb)	Pd (ppb)	Rh (ppb)	3E (ppb)	4E (ppb)	Cu (ppm)	Ni (ppm)	Pd:Pt	Cu:Ni
					con't																			
0.70	119.00	100	30-35	65-70	Gabbro																			
						Progressive decrease in grain size from 65.0 to 77.0m,																		
						over which the grainsize changes from mg to fg, comp.																		
						the same rock.																		
						@77.0m there is a heal fault zone, approximately 50 cm																		
						wide, @ 10 degrees to CA, intense hematite alt'n, following																		
						this the gabbro unit is a mg gabbro, the same as the above																		
						unit.																		
						From 75.5-76.25m there are fault qtz veins, dextral																		
						movement.																		
						Qtz veins @ 68.8m																		
							NV	NV	NV	55	65.00	66.50	1.50	19263	12	39	32		83		59	79	0.8	0.7
							NV	NV	NV	56	66.50	68.00	1.50	19264	9	30	33		72		87	72	1.1	1.2
							NV	NV	NV	57	68.00	69.50	1.50	19265	7	28	27		62		70	72	1.0	1.0
							NV	NV	NV	58	69.50	71.00	1.50	19266	6	28	41		75		100	77	1.5	1.3
							NV	NV	NV	59	71.00	72.50	1.50	19267	10	21	16		47		78	64	0.8	1.2
							NV	NV	NV	60	72.50	74.00	1.50	19268	20	21	18		59		149	71	0.9	2.1
							NV	NV	NV	61	74.00	75.50	1.50	19269	11	0	16		27		93	61	0.0	1.5
							NV	NV	NV	62	75.50	77.00	1.50	19270	8	17	12		37		55	55	0.7	1.0
							NV	NV	NV	63	77.00	78.50	1.50	19271	16	26	15		57		102	61	0.6	1.7
							NV	NV	NV	64	78.50	80.00	1.50	19272	185	24	18		227		101	58	0.8	1.7
							NV	NV	NV	65	80.00	81.50	1.50	19273	14	17	16		47		104	59	0.9	1.8
						broken core @ 81.5m																		
						broken core @ 96.0-97.0m																		
						shear zone/fault zone from 94.4-95.0m, at 80-90 deg to																		
						CA.																		
						joint set @ 70 degrees to CA.																		
						small shear zone and zone of potassic alt'n @ 93.0m																		
						qtz veins @ 89.5m and 92.0m, Tr mineralization, cpy, po.																		
							NV	NV	NV	66	81.50	83.00	1.50	19274	12	18	12		42		121	72	0.7	1.7
							NV	NV	NV	67	83.00	84.50	1.50	19275	11	40	18		69		132	72	0.5	1.8
							NV	NV	NV	68	84.50	86.00	1.50	19276	17	0	0		17		143	60	0.0	2.4
							NV	NV	NV	69	86.00	87.50	1.50	19277	10	19	12		41		119	58	0.6	2.1
							NV	NV	NV	70	87.50	89.00	1.50	19278	10	26	14		50		124	60	0.5	2.1
							Tr	Tr	Tr	71	89.00	90.50	1.50	19279	17	20	12		49		232	69	0.6	3.4
							NV	NV	NV	72	90.50	92.00	1.50	19280	6	0	0		6		147	71	0.0	2.1
							NV	NV	NV	73	92.00	93.50	1.50	19281	8	0	0		8		105	73	0.0	1.4
							NV	NV	NV	74	93.50	95.00	1.50	19282	16	0	0		16		110	77	0.0	1.4
							NV	NV	NV	75	95.00	96.50	1.50	19283	5	0	0		5		126	61	0.0	2.1
							NV	NV	NV	76	96.50	98.00	1.50	19284	9	0	0		9		134	61	0.0	2.2
						joint set @ 70 degrees to CA.																		
						abundant hairline fractures, filled with either carb and/or																		
						chlorite, with occasional Tr py.																		
						From 113.0-115.3m is a zone of intense epidote/chlorite																		
						alt'n.																		
							NV	NV	NV	77	98.00	99.50	1.50	19285	5	0	0		5		145	72	0.0	2.0
							NV	NV	NV	78	99.50	101.00	1.50	19286	6	0	0		6		149	67	0.0	2.2
							NV	NV	NV	79	101.00	102.50	1.50	19287	6	0	0		6		154	67	0.0	2.3
							NV	NV	NV	80	102.50	104.00	1.50	19288	0	0	0		0		166	64	0.0	2.6
							NV	NV	NV	81	104.00	105.50	1.50	19289	10	0	0		10		137	63	0.0	2.2

Property:Janes Property						**Hole No.:JR-0126**	Grid E: 93.0 Grid N: -201.0				Test Type: EZ-Shot						Core Storage: Fielding Road, Lively								
Location: Janes Twp.						Collar Bearing: 285	UTM N: 5170890.091				Depth:	Az:	Dip:	Mag:	Roll:										
Started:						Collar Dip: -45	UTM E: 547179.638				11.0	287.1	-45.7												
Completed:						Casing:	NAD27/Z17																		
Core Size: NQ						Depth: 119.0m	Boxes: 30										Logged By: G. Mourre								
Contractor: NDS - Timmins, ON						Elevation (MSL): 264.02m	Claims: 1220221										Date: May 21st, 2001								
Units: metres																									
From	To	%core	%M	%F	Rock Type	Description	%cp	%po+ pn	%py	No.	From	To	Interval	Tag	Au (ppb)	Pt (ppb)	Pd (ppb)	Rh (ppb)	3E (ppb)	4E (ppb)	Cu (ppm)	Ni (ppm)	Pd:Pt	Cu:Ni
					con't																			
0.70	119.00	100	30-35	65-70	Gabbro																			
							NV	NV	NV	82	105.50	107.00	1.50	19290	12	0	0		12		172	74		
	EOH						NV	NV	Tr	83	107.00	108.50	1.50	19291	0	0	0		0		142	58		
							NV	NV	NV	84	108.50	110.00	1.50	19292	133	0	0		133		139	55		
							NV	NV	Tr	85	110.00	111.50	1.50	19293	73	0	0		73		154	61		
							NV	NV	NV	86	111.50	113.00	1.50	19294	54	0	0		54		138	89		
							NV	NV	NV	87	113.00	114.50	1.50	19295	45	0	0		45		142	62		
							NV	NV	NV	88	114.50	116.00	1.50	19296	25	0	0		25		33	64		
							NV	NV	NV	89	116.00	117.50	1.50	19297	11	0	0		11		129	50		
							NV	NV	NV	90	117.50	119.00	1.50	19298	65	0	0		65		146	64		
						four digital photo's taken																			
						EOH - 119.0m																			

APPENDIX II

Plan Maps: Exploration Grid and Drill Hole Locations

Cross Sections for Diamond Drill Holes

0+50N: JR01-25

0+25N: JR99-07
JR01-22, 23, 24

0+25S: JR99-04, 06, 15, 17, 19
JR01-20, 21

2+10S: JR99-05
JR01-26

note: values in brackets beside Trenches indicate
projections: "+" = out of page (southward)
"-" = into page (northward)

APPENDIX III

Sample Assay Data Listing
(Pt-Pd-Au-Cu-Ni)
&
Assay Certificates

Accurassay Laboratories
Thunder Bay, Ontario

Tag	WO#	Au(ppb)	Pt(ppb)	Pd(ppb)	3E(ppb)	Pt+Pd(ppb)	Cu(ppm)	Ni(ppm)	Pd:Pt	Cu:Ni	%Au	%Pt	%Pd
59001	200140178 050528	20	21	31	72	52	325	169	1.5	1.9	27.8	29.2	43.1
59002	200140178 050528	13	18	21	52	39	306	158	1.2	1.9	25.0	34.6	40.4
59003	200140178 050528	11	17	15	43	32	518	145	0.9	3.6	25.6	39.5	34.9
59004	200140178 050528	12	< 15	15	27		559	173		3.2	44.4		55.6
59005	200140178 050528	74	< 15	21	95		532	189		2.8	77.9		22.1
59006	200140178 050528	29	18	25	72	43	864	260	1.4	3.3	40.3	25.0	34.7
59007	200140178 050528	49	39	37	125	76	1670	654	0.9	2.6	39.2	31.2	29.6
59008	200140178 050528	21	20	29	70	49	663	243	1.5	2.7	30.0	28.6	41.4
59009	200140178 050528	19	15	29	63	44	432	197	1.9	2.2	30.2	23.8	46.0
59010	200140178 050528	15	17	26	58	43	530	188	1.5	2.8	25.9	29.3	44.8
59011	200140178 050528	19	< 15	25	44		293	142		2.1	43.2		56.8
59012	200140178 050528	12	< 15	25	37		192	127		1.5	32.4		67.6
59013	200140178 050528	16	< 15	25	41		301	169		1.8	39.0		61.0
59014	200140178 050528	19	21	24	64	45	222	137	1.1	1.6	29.7	32.8	37.5
59015	200140178 050528	20	< 15	26	46		235	134		1.8	43.5		56.5
59016	200140178 050528	14	27	31	72	58	249	142	1.1	1.8	19.4	37.5	43.1
59017	200140178 050528	30	30	42	102	72	392	192	1.4	2.0	29.4	29.4	41.2
59018	200140178 050528	16	28	34	78	62	1151	204	1.2	5.6	20.5	35.9	43.6
59019	200140178 050528	29	42	40	111	82	698	216	1.0	3.2	26.1	37.8	36.0
59020	200140178 050528	22	< 15	42	64		704	205		3.4	34.4		65.6
59021	200140178 050528	21	< 15	39	60		266	150		1.8	35.0		65.0
59022	200140178 050528	21	24	38	83	62	257	142	1.6	1.8	25.3	28.9	45.8
59023	200140178 050528	16	< 15	28	44		234	136		1.7	36.4		63.6
59024	200140178 050528	30	58	64	152	122	328	178	1.1	1.8	19.7	38.2	42.1
59025	200140178 050528	14	< 15	18	32		205	223		0.9	43.8		56.3
59026	200140178 050528	6	< 15	20	26		111	222		0.5	23.1		76.9
59027	200140178 050528	22	< 15	13	35		8	133		0.1	62.9		37.1
59028	200140178 050528	7	< 15	11	18		24	164		0.1	38.9		61.1
59029	200140178 050528	9	23	41	73	64	104	218	1.8	0.5	12.3	31.5	56.2
59030	200140178 050528	25	< 15	26	51		400	101		4.0	49.0		51.0
59031	200140178 050528	16	52	42	110	94	354	276	0.8	1.3	14.5	47.3	38.2
59032	200140178 050528	164	< 15	22	186		5461	1073		5.1	88.2		11.8
59033	200140178 050528	16	16	49	81	65	70	172	3.1	0.4	19.8	19.8	60.5
59034	200140178 050528	25	33	60	118	93	160	151	1.8	1.1	21.2	28.0	50.8
59035	200140178 050528	27	< 15	60	87		258	193		1.3	31.0		69.0
59036	200140178 050528	7	34	19	60	53	143	250	0.6	0.6	11.7	56.7	31.7
59037	200140178 050528	8	35	30	73	65	216	147	0.9	1.5	11.0	47.9	41.1
59038	200140178 050528	6	32	26	64	58	109	139	0.8	0.8	9.4	50.0	40.6
59039	200140178 050528	< 5	30	25	55	55	125	125	0.8	1.0		54.5	45.5
59040	200140178 050528	7	45	25	77	70	118	116	0.6	1.0	9.1	58.4	32.5
59041	200140178 050528	7	34	32	73	66	110	119	0.9	0.9	9.6	46.6	43.8
59042	200140178 050528	11	60	38	109	98	155	131	0.6	1.2	10.1	55.0	34.9
59043	200140178 050528	6	51	40	97	91	184	146	0.8	1.3	6.2	52.6	41.2
59044	200140178 050528	7	55	36	98	91	120	127	0.7	0.9	7.1	56.1	36.7
59045	200140178 050528	7	63	43	113	106	133	106	0.7	1.3	6.2	55.8	38.1
59046	200140178 050528	7	44	38	89	82	116	92	0.9	1.3	7.9	49.4	42.7
59047	200140178 050528	8	49	43	100	92	164	133	0.9	1.2	8.0	49.0	43.0
59048	200140178 050528	8	70	49	127	119	187	130	0.7	1.4	6.3	55.1	38.6
59049	200140178 050528	< 5	63	50	113	113	131	143	0.8	0.9		55.8	44.2
59050	200140178 050528	< 5	63	49	112	112	156	139	0.8	1.1		56.3	43.8

Tag	WO#	Au(ppb)	Pt(ppb)	Pd(ppb)	3E(ppb)	Pt+Pd(ppb)	Cu(ppm)	Ni(ppm)	Pd:Pt	Cu:Ni	%Au	%Pt	%Pd
59051	200140178 050528	7	55	59	121	114	128	113	1.1	1.1	5.8	45.5	48.8
59052	200140178 050528	7	64	56	127	120	111	104	0.9	1.1	5.5	50.4	44.1
59053	200140178 050528	8	57	58	123	115	115	103	1.0	1.1	6.5	46.3	47.2
59054	200140178 050528	14	65	63	142	128	106	97	1.0	1.1	9.9	45.8	44.4
59055	200140178 050528	12	52	59	123	111	102	95	1.1	1.1	9.8	42.3	48.0
59056	200140178 050528	5	43	59	107	102	112	107	1.4	1.0	4.7	40.2	55.1
59057	200140178 050528	8	53	89	150	142	124	108	1.7	1.1	5.3	35.3	59.3
59058	200140178 050528	6	55	69	130	124	111	97	1.3	1.1	4.6	42.3	53.1
59059	200140178 050528	< 5	60	80	140	140	104	100	1.3	1.0		42.9	57.1
59060	200140178 050528	8	56	82	146	138	134	120	1.5	1.1	5.5	38.4	56.2
59061	200140178 050528	7	43	98	148	141	174	123	2.3	1.4	4.7	29.1	66.2
59062	200140178 050528	6	41	80	127	121	106	100	2.0	1.1	4.7	32.3	63.0
59063	200140178 050528	6	40	78	124	118	101	96	2.0	1.1	4.8	32.3	62.9
59064	200140178 050528	11	59	98	168	157	136	99	1.7	1.4	6.5	35.1	58.3
59065	200140178 050528	7	30	79	116	109	116	91	2.6	1.3	6.0	25.9	68.1
59066	200140178 050528	10	29	128	167	157	197	122	4.4	1.6	6.0	17.4	76.6
59067	200140178 050528	50	124	753	927	877	1792	710	6.1	2.5	5.4	13.4	81.2
59068	200140178 050528	7	33	111	151	144	198	134	3.4	1.5	4.6	21.9	73.5
59069	200140178 050528	5	19	51	75	70	81	73	2.7	1.1	6.7	25.3	68.0
59070	200140178 050528	< 5	36	46	82	82	82	84	1.3	1.0		43.9	56.1
59071	200140178 050528	6	30	47	83	77	63	149	1.6	0.4	7.2	36.1	56.6
59072	200140178 050528	7	41	53	101	94	112	94	1.3	1.2	6.9	40.6	52.5
59073	200140178 050528	7	24	70	101	94	113	96	2.9	1.2	6.9	23.8	69.3
59074	200140178 050528	< 5	29	48	77	77	80	82	1.7	1.0		37.7	62.3
59075	200140178 050528	18	< 15	68	86		86	85		1.0	20.9		79.1
59076	200140178 050528	13	38	46	97	84	62	145	1.2	0.4	13.4	39.2	47.4
59077	200140178 050528	11	28	58	97	86	165	121	2.1	1.4	11.3	28.9	59.8
59078	200140178 050528	10	< 15	59	69		256	114		2.2	14.5		85.5
59079	200140178 050528	7	< 15	29	36		48	85		0.6	19.4		80.6
59080	200140178 050528	< 5	< 15	24	24		103	84		1.2			100.0
59081	200140178 050528	< 5	< 15	34	34		76	82		0.9			100.0
59082	200140178 050528	5	< 15	29	34		75	73		1.0	14.7		85.3
59083	200140178 050528	< 5	< 15	17	17		83	71		1.2			100.0
59084	200140178 050528	6	< 15	15	21		66	70		0.9	28.6		71.4
59085	200140178 050528	6	< 15	40	46		68	78		0.9	13.0		87.0
59086	200140178 050528	< 5	< 15	27	27		76	73		1.0			100.0
59087	200140178 050528	< 5	< 15	26	26		77	71		1.1			100.0
59088	200140178 050528	6	< 15	16	22		93	78		1.2	27.3		72.7
59089	200140178 050528	< 5	< 15	15	15		75	87		0.9			100.0
59090	200140178 050528	7	17	14	38	31	123	155	0.8	0.8	18.4	44.7	36.8
59091	200140178 050528	7	< 15	16	23		158	116		1.4	30.4		69.6
59092	200140178 050528	18	< 15	54	72		240	198		1.2	25.0		75.0
59093	200140178 050528	121	119	453	693	572	1772	608	3.8	2.9	17.5	17.2	65.4
59094	200140178 050528	126	135	539	800	674	2810	835	4.0	3.4	15.8	16.9	67.4
59095	200140178 050528	207	214	766	1187	980	4456	1693	3.6	2.6	17.4	18.0	64.5
59096	200140178 050528	71	64	307	442	371	1026	649	4.8	1.6	16.1	14.5	69.5
59097	200140178 050528	119	137	451	707	588	3036	1284	3.3	2.4	16.8	19.4	63.8
59098	200140178 050528	144	129	603	876	732	3842	1584	4.7	2.4	16.4	14.7	68.8
59099	200140178 050528	118	106	512	736	618	1816	1061	4.8	1.7	16.0	14.4	69.6
59100	200140178 050528	199	138	434	771	572	5416	2332	3.1	2.3	25.8	17.9	56.3

Tag	WO#	Au(ppb)	Pt(ppb)	Pd(ppb)	3E(ppb)	Pt+Pd(ppb)	Cu(ppm)	Ni(ppm)	Pd:Pt	Cu:Ni	%Au	%Pt	%Pd
59101	200140178 050528	5	< 15	13	18		77	147		0.5	27.8		72.2
59102	200140178 050528	16	< 15	22	38		619	187		3.3	42.1		57.9
59103	200140178 050528	29	< 15	79	108		1187	443		2.7	26.9		73.1
59104	200140178 050528	65	57	148	270	205	2241	909	2.6	2.5	24.1	21.1	54.8
59105	200140178 050528	13	< 15	17	30		168	87		1.9	43.3		56.7
59106	200140178 050528	200	37	227	464	264	3276	1339	6.1	2.4	43.1	8.0	48.9
59107	200140178 050528	7	< 15	25	32		82	58		1.4	21.9		78.1
59108	200140178 050528	< 5	< 15	10	10		87	63		1.4			100.0
59109	200140178 050528	< 5	< 15	11	11		81	62		1.3			100.0
59110	200140178 050528	< 5	< 15	12	12		80	64		1.3			100.0
59111	200140178 050528	< 5	< 15	13	13		90	75		1.2			100.0
59112	200140178 050528	< 5	< 15	10	10		81	64		1.3			100.0
59113	200140178 050528	6	< 15	< 10	6		83	60		1.4	100.0		
59114	200140178 050528	< 5	< 15	18	18		84	65		1.3			100.0
59115	200140178 050528	< 5	< 15	< 10	0		84	58		1.4			
59116	200140178 050528	< 5	< 15	< 10	0		101	83		1.2			
59117	200140178 050528	5	< 15	16	21		124	93		1.3	23.8		76.2
59118	200140178 050528	7	< 15	< 10	7		117	76		1.5	100.0		
59119	200140178 050528	< 5	< 15	< 10	0		92	58		1.6			
59120	200140178 050528	17	82	43	142	125	88	45	0.5	2.0	12.0	57.7	30.3
59121	200140178 050528	< 5	< 15	12	12		90	46		2.0			100.0
59122	200140178 050528	5	< 15	13	18		93	53		1.8	27.8		72.2
59123	200140178 050528	< 5	< 15	13	13		98	50		2.0			100.0
59124	200140178 050528	6	< 15	13	19		94	56		1.7	31.6		68.4
59125	200140178 050528	< 5	< 15	10	10		94	55		1.7			100.0
59126	200140178 050528	11	< 15	11	22		175	69		2.5	50.0		50.0
59127	200140178 050528	6	< 15	14	20		98	73		1.3	30.0		70.0
59128	200140178 050528	8	30	14	52	44	108	71	0.5	1.5	15.4	57.7	26.9
59129	200140178 050528	9	< 15	< 10	9		225	93		2.4	100.0		
59130	200140178 050528	5	< 15	12	17		113	66		1.7	29.4		70.6
59131	200140178 050528	6	< 15	< 10	6		28	46		0.6	100.0		
59132	200140178 050528	< 5	< 15	< 10	0		38	45		0.8			
59133	200140178 050528	19	< 15	22	41		349	165		2.1	46.3		53.7
59134	200140178 050528	17	< 15	< 10	17		229	125		1.8	100.0		
59135	200140178 050528	11	< 15	10	21		227	123		1.8	52.4		47.6
59136	200140178 050528	15	< 15	< 10	15		439	155		2.8	100.0		
59137	200140178 050528	18	< 15	14	32		386	173		2.2	56.3		43.8
59138	200140178 050528	16	< 15	< 10	16		381	183		2.1	100.0		
59139	200140178 050528	10	< 15	< 10	10		283	149		1.9	100.0		
59140	200140178 050528	21	< 15	16	37		728	273		2.7	56.8		43.2
59141	200140178 050528	67	37	40	144	77	1774	808	1.1	2.2	46.5	25.7	27.8
59142	200140178 050528	20	28	18	66	46	365	174	0.6	2.1	30.3	42.4	27.3
59143	200140178 050528	25	17	17	59	34	372	187	1.0	2.0	42.4	28.8	28.8
59144	200140178 050528	18	< 15	18	36		408	186		2.2	50.0		50.0
59145	200140178 050528	19	34	23	76	57	247	147	0.7	1.7	25.0	44.7	30.3
59146	200140178 050528	24	21	16	61	37	378	175	0.8	2.2	39.3	34.4	26.2
59147	200140178 050528	22	36	23	81	59	360	227	0.6	1.6	27.2	44.4	28.4
59148	200140178 050528	10	16	31	57	47	237	115	1.9	2.1	17.5	28.1	54.4
59149	200140178 050528	10	30	15	55	45	260	132	0.5	2.0	18.2	54.5	27.3
59150	200140178 050528	9	16	20	45	36	254	127	1.3	2.0	20.0	35.6	44.4

Tag	WO#	Au(ppb)	Pt(ppb)	Pd(ppb)	3E(ppb)	Pt+Pd(ppb)	Cu(ppm)	Ni(ppm)	Pd:Pt	Cu:Ni	%Au	%Pt	%Pd
59151	200140178 050528	11	23	23	57	46	321	141	1.0	2.3	19.3	40.4	40.4
59152	200140178 050528	14	< 15	25	39		328	140		2.3	35.9		64.1
59153	200140178 050528	21	23	27	71	50	399	171	1.2	2.3	29.6	32.4	38.0
59154	200140178 050528	17	28	24	69	52	277	131	0.9	2.1	24.6	40.6	34.8
59155	200140178 050528	11	28	22	61	50	231	113	0.8	2.0	18.0	45.9	36.1
59156	200140178 050528	16	< 15	24	40		264	144		1.8	40.0		60.0
59157	200140178 050528	11	17	22	50	39	251	140	1.3	1.8	22.0	34.0	44.0
59158	200140178 050528	13	< 15	24	37		328	160		2.1	35.1		64.9
59159	200140178 050528	13	< 15	24	37		246	157		1.6	35.1		64.9
59160	200140178 050528	10	< 15	33	43		211	149		1.4	23.3		76.7
59161	200140178 050528	15	18	28	61	46	287	152	1.6	1.9	24.6	29.5	45.9
59162	200140178 050528	24	33	29	86	62	542	277	0.9	2.0	27.9	38.4	33.7
59163	200140178 050528	20	52	31	103	83	404	183	0.6	2.2	19.4	50.5	30.1
59164	200140178 050528	17	54	35	106	89	300	152	0.6	2.0	16.0	50.9	33.0
59165	200140178 050528	22	35	31	88	66	373	176	0.9	2.1	25.0	39.8	35.2
59166	200140178 050528	16	41	33	90	74	386	168	0.8	2.3	17.8	45.6	36.7
59167	200140178 050528	12	43	27	82	70	234	130	0.6	1.8	14.6	52.4	32.9
59168	200140178 050528	11	< 15	14	25		189	114		1.7	44.0		56.0
59169	200140178 050528	5	< 15	18	23		147	104		1.4	21.7		78.3
59170	200140178 050528	8	< 15	14	22		172	136		1.3	36.4		63.6
59171	200140178 050528	9	23	20	52	43	238	150	0.9	1.6	17.3	44.2	38.5
59172	200140178 050528	< 5	17	< 10	17		9	63		0.1		100.0	
59173	200140178 050528	< 5	< 15	< 10	0		5	78		0.1			
59174	200140178 050528	< 5	< 15	< 10	0		6	58		0.1			
59175	200140178 050528	< 5	< 15	< 10	0		11	57		0.2			
59176	200140178 050528	< 5	< 15	< 10	0		8	60		0.1			
59177	200140178 050528	< 5	< 15	< 10	0		10	77		0.1			
59178	200140178 050528	8	< 15	19	27		115	100		1.2	29.6		70.4
59179	200140178 050528	8	29	25	62	54	117	88	0.9	1.3	12.9	46.8	40.3
59180	200140178 050528	7	21	31	59	52	125	92	1.5	1.4	11.9	35.6	52.5
59181	200140178 050528	15	< 15	30	45		205	112		1.8	33.3		66.7
59182	200140178 050528	12	44	40	96	84	133	79	0.9	1.7	12.5	45.8	41.7
59183	200140178 050528	17	37	36	90	73	193	110	1.0	1.8	18.9	41.1	40.0
59184	200140178 050528	12	31	28	71	59	117	86	0.9	1.4	16.9	43.7	39.4
59185	200140178 050528	12	45	37	94	82	128	93	0.8	1.4	12.8	47.9	39.4
59186	200140178 050528	14	25	41	80	66	200	103	1.6	1.9	17.5	31.3	51.3
59187	200140178 050528	10	23	38	71	61	106	58	1.7	1.8	14.1	32.4	53.5
59188	200140178 050528	13	27	40	80	67	120	56	1.5	2.1	16.3	33.8	50.0
59189	200140178 050528	8	15	37	60	52	92	48	2.5	1.9	13.3	25.0	61.7
59190	200140178 050528	8	42	45	95	87	96	55	1.1	1.7	8.4	44.2	47.4
59191	200140178 050528	9	53	34	96	87	77	55	0.6	1.4	9.4	55.2	35.4
59192	200140178 050528	13	32	57	102	89	94	66	1.8	1.4	12.7	31.4	55.9
59193	200140178 050528	7	26	45	78	71	85	65	1.7	1.3	9.0	33.3	57.7
59194	200140178 050528	8	20	40	68	60	71	73	2.0	1.0	11.8	29.4	58.8
59195	200140178 050528	15	41	97	153	138	142	113	2.4	1.3	9.8	26.8	63.4
59196	200140178 050528	7	41	61	109	102	106	84	1.5	1.3	6.4	37.6	56.0
59197	200140178 050528	8	66	90	164	156	135	105	1.4	1.3	4.9	40.2	54.9
59198	200140178 050528	< 5	29	64	93	93	79	74	2.2	1.1		31.2	68.8
59199	200140178 050528	7	60	64	131	124	102	76	1.1	1.3	5.3	45.8	48.9
59200	200140178 050528	8	67	41	116	108	73	70	0.6	1.0	6.9	57.8	35.3

Tag	WO#	Au(ppb)	Pt(ppb)	Pd(ppb)	3E(ppb)	Pt+Pd(ppb)	Cu(ppm)	Ni(ppm)	Pd:Pt	Cu:Ni	%Au	%Pt	%Pd
59201	200140178 050528	8	34	45	87	79	124	76	1.3	1.6	9.2	39.1	51.7
59202	200140178 050528	8	40	52	100	92	72	74	1.3	1.0	8.0	40.0	52.0
59203	200140178 050528	7	50	47	104	97	80	74	0.9	1.1	6.7	48.1	45.2
59204	200140178 050528	7	53	54	114	107	220	99	1.0	2.2	6.1	46.5	47.4
59205	200140178 050528	11	42	68	121	110	66	91	1.6	0.7	9.1	34.7	56.2
59206	200140178 050528	11	80	84	175	164	99	103	1.1	1.0	6.3	45.7	48.0
59207	200140178 050528	11	21	78	110	99	136	94	3.7	1.4	10.0	19.1	70.9
59208	200140178 050528	8	53	87	148	140	109	91	1.6	1.2	5.4	35.8	58.8
59209	200140178 050528	9	63	68	140	131	120	81	1.1	1.5	6.4	45.0	48.6
59210	200140178 050528	13	51	69	133	120	127	89	1.4	1.4	9.8	38.3	51.9
59211	200140178 050528	9	38	69	116	107	102	82	1.8	1.2	7.8	32.8	59.5
59212	200140178 050528	7	30	57	94	87	99	69	1.9	1.4	7.4	31.9	60.6
59213	200140178 050528	8	40	76	124	116	104	89	1.9	1.2	6.5	32.3	61.3
59214	200140178 050528	9	54	95	158	149	166	117	1.8	1.4	5.7	34.2	60.1
59215	200140178 050528	6	40	71	117	111	137	147	1.8	0.9	5.1	34.2	60.7
59216	200140178 050528	10	34	54	98	88	100	161	1.6	0.6	10.2	34.7	55.1
59217	200140178 050528	11	32	87	130	119	112	92	2.7	1.2	8.5	24.6	66.9
59218	200140178 050528	22	33	148	203	181	212	122	4.5	1.7	10.8	16.3	72.9
59219	200140178 050528	15	17	72	104	89	111	80	4.2	1.4	14.4	16.3	69.2
59220	200140178 050528	13	< 15	90	103		110	85		1.3	12.6		87.4
59221	200140178 050528	10	19	75	104	94	101	71	3.9	1.4	9.6	18.3	72.1
59222	200140178 050528	7	< 15	71	78		92	64		1.4	9.0		91.0
59223	200140178 050528	7	25	76	108	101	115	81	3.0	1.4	6.5	23.1	70.4
59224	200140178 050528	7	< 15	55	62		109	77		1.4	11.3		88.7
59225	200140178 050528	< 5	< 15	47	47		75	72		1.0			100.0
59226	200140178 050528	< 5	16	< 10	16		56	61		0.9		100.0	
59227	200140178 050528	< 5	< 15	< 10	0		45	54		0.8			
59228	200140178 050528	< 5	< 15	< 10	0		31	65		0.5			
59229	200140178 050528	< 5	< 15	< 10	0		20	79		0.3			
59230	200140178 050528	< 5	25	49	74	74	87	75	2.0	1.2		33.8	66.2
59231	200140178 050528	< 5	25	32	57	57	75	62	1.3	1.2		43.9	56.1
59232	200140178 050528	< 5	17	32	49	49	77	61	1.9	1.3		34.7	65.3
59233	200140178 050528	7	33	51	91	84	75	70	1.5	1.1	7.7	36.3	56.0
59234	200140178 050528	11	71	42	124	113	102	77	0.6	1.3	8.9	57.3	33.9
59235	200140178 050528	7	17	67	91	84	108	92	3.9	1.2	7.7	18.7	73.6
59236	200140178 050528	< 5	22	27	49	49	68	64	1.2	1.1		44.9	55.1
59237	200140178 050528	5	< 15	27	32		62	80		0.8	15.6		84.4
59238	200140178 050528	< 5	22	25	47	47	59	62	1.1	1.0		46.8	53.2
59239	200140178 050528	< 5	19	18	37	37	59	61	0.9	1.0		51.4	48.6
59240	200140178 050528	< 5	21	43	64	64	66	63	2.0	1.0		32.8	67.2
59241	200140178 050528	< 5	20	24	44	44	69	63	1.2	1.1		45.5	54.5
59242	200140178 050528	6	24	22	52	46	72	62	0.9	1.2	11.5	46.2	42.3
59243	200140178 050528	14	80	44	138	124	80	72	0.6	1.1	10.1	58.0	31.9
59244	200140178 050528	< 5	< 15	30	30		75	80		0.9			100.0
59245	200140178 050528	< 5	< 15	23	23		66	67		1.0			100.0
59246	200140178 050528	< 5	< 15	29	29		82	70		1.2			100.0
59247	200140178 050528	< 5	< 15	18	18		31	74		0.4			100.0
59248	200140178 050528	< 5	< 15	13	13		49	60		0.8			100.0
59249	200140178 050528	< 5	< 15	14	14		72	68		1.1			100.0
59250	200140178 050528	< 5	15	18	33	33	63	62	1.2	1.0		45.5	54.5

Tag	WO#	Au(ppb)	Pt(ppb)	Pd(ppb)	3E(ppb)	Pt+Pd(ppb)	Cu(ppm)	Ni(ppm)	Pd:Pt	Cu:Ni	%Au	%Pt	%Pd
59251	200140178 050528	< 5	< 15	25	25		66	65		1.0			100.0
59252	200140178 050528	< 5	< 15	22	22		64	57		1.1			100.0
59253	200140178 050528	< 5	< 15	22	22		61	81		0.8			100.0
59254	200140178 050528	6	< 15	16	22		63	73		0.9	27.3		72.7
59255	200140178 050528	6	< 15	23	29		152	92		1.7	20.7		79.3
59256	200140178 050528	12	< 15	36	48		272	125		2.2	25.0		75.0
59257	200140178 050528	< 5	< 15	31	31		65	67		1.0			100.0
59258	200140178 050528	22	< 15	38	60		275	140		2.0	36.7		63.3
59259	200140178 050528	< 5	< 15	20	20		58	91		0.6			100.0
59260	200140178 050528	< 5	< 15	23	23		77	70		1.1			100.0
59261	200140178 050528	5	< 15	21	26		196	102		1.9	19.2		80.8
59262	200140178 050528	12	< 15	49	61		442	291		1.5	19.7		80.3
59263	200140178 050528	37	17	80	134	97	744	415	4.7	1.8	27.6	12.7	59.7
59264	200140178 050528	79	65	209	353	274	2627	869	3.2	3.0	22.4	18.4	59.2
59265	200140178 050528	19	< 15	40	59		561	198		2.8	32.2		67.8
59266	200140178 050528	69	28	122	219	150	1604	444	4.4	3.6	31.5	12.8	55.7
59267	200140178 050528	< 5	< 15	16	16		93	96		1.0			100.0
59268	200140178 050528	9	< 15	42	51		192	107		1.8	17.6		82.4
59269	200140178 050528	6	< 15	< 10	6		136	66		2.1	100.0		
59270	200140178 050528	6	< 15	16	22		207	51		4.1	27.3		72.7
59271	200140178 050528	< 5	21	< 10	21		59	57		1.0		100.0	
59272	200140178 050528	< 5	< 15	16	16		71	54		1.3			100.0
59273	200140178 050528	< 5	< 15	< 10	0		76	54		1.4			
59274	200140178 050528	< 5	19	< 10	19		84	61		1.4		100.0	
59275	200140178 050528	< 5	25	< 10	25		87	77		1.1		100.0	
59276	200140178 050528	7	35	< 10	42		63	91		0.7	16.7	83.3	
59277	200140178 050528	6	55	< 10	61		152	118		1.3	9.8	90.2	
59278	200140178 050528	< 5	31	< 10	31		75	73		1.0		100.0	
59279	200140178 050528	5	38	< 10	43		99	74		1.3	11.6	88.4	
59280	200140178 050528	< 5	30	< 10	30		90	105		0.9		100.0	
59281	200140178 050528	32	< 15	46	78		78	92		0.8	41.0		59.0
59282	200140178 050528	12	53	19	84	72	112	104	0.4	1.1	14.3	63.1	22.6
59283	200140178 050528	7	18	< 10	25		798	525		1.5	28.0	72.0	
59284	200140178 050528	11	23	11	45	34	202	83	0.5	2.4	24.4	51.1	24.4
59285	200140178 050528	11	< 15	11	22		204	86		2.4	50.0		50.0
59286	200140178 050528	< 5	16	< 10	16		222	70		3.2		100.0	
59287	200140178 050528	< 5	< 15	< 10	0		90	52		1.7			
59288	200140178 050528	< 5	< 15	< 10	0		64	109		0.6			
59289	200140178 050528	< 5	< 15	< 10	0		91	56		1.6			
59290	200140178 050528	< 5	< 15	< 10	0		144	71		2.0			
59291	200140178 050528	< 5	< 15	< 10	0		86	66		1.3			
59292	200140178 050528	7	< 15	< 10	7		86	71		1.2	100.0		
59293	200140178 050528	< 5	< 15	< 10	0		92	68		1.4			
59294	200140178 050528	6	< 15	< 10	6		90	68		1.3	100.0		
59295	200140178 050528	< 5	< 15	< 10	0		97	69		1.4			
59296	200140178 050528	11	< 15	< 10	11		122	81		1.5	100.0		
59297	200140178 050528	7	< 15	< 10	7		339	105		3.2	100.0		
59298	200140178 050528	< 5	< 15	< 10	0		30	32		0.9			
59299	200140178 050528	< 5	< 15	< 10	0		12	32		0.4			
59300	200140178 050528	< 5	< 15	< 10	0		25	34		0.7			

Tag	WO#	Au(ppb)	Pt(ppb)	Pd(ppb)	3E(ppb)	Pt+Pd(ppb)	Cu(ppm)	Ni(ppm)	Pd:Pt	Cu:Ni	%Au	%Pt	%Pd
59301	200140197 010619	10	48	30	88	78	96	76	0.6	1.3	11.4	54.5	34.1
59302	200140197 010619	11	20	33	64	53	120	78	1.7	1.5	17.2	31.3	51.6
59303	200140197 010619	8	37	29	74	66	107	74	0.8	1.4	10.8	50.0	39.2
59304	200140197 010619	11	49	32	92	81	123	82	0.7	1.5	12.0	53.3	34.8
59305	200140197 010619	11	58	28	97	86	119	80	0.5	1.5	11.3	59.8	28.9
59306	200140197 010619	13	54	29	96	83	87	81	0.5	1.1	13.5	56.3	30.2
59307	200140197 010619	10	48	30	88	78	121	81	0.6	1.5	11.4	54.5	34.1
59308	200140197 010619	19	69	51	139	120	211	114	0.7	1.9	13.7	49.6	36.7
59309	200140197 010619	12	79	43	134	122	136	70	0.5	1.9	9.0	59.0	32.1
59310	200140197 010619	9	84	44	137	128	107	72	0.5	1.5	6.6	61.3	32.1
59311	200140197 010619	7	60	36	103	96	106	78	0.6	1.4	6.8	58.3	35.0
59312	200140197 010619	6	55	43	104	98	83	78	0.8	1.1	5.8	52.9	41.3
59313	200140197 010619	6	60	48	114	108	62	55	0.8	1.1	5.3	52.6	42.1
59314	200140197 010619	8	33	48	89	81	107	70	1.5	1.5	9.0	37.1	53.9
59315	200140197 010619	8	19	56	83	75	111	76	2.9	1.5	9.6	22.9	67.5
59316	200140197 010619	6	68	45	119	113	74	61	0.7	1.2	5.0	57.1	37.8
59317	200140197 010619	12	24	58	94	82	94	68	2.4	1.4	12.8	25.5	61.7
59318	200140197 010619	12	< 15	70	82		118	77		1.5	14.6		85.4
59319	200140197 010619	15	78	39	132	117	74	58	0.5	1.3	11.4	59.1	29.5
59320	200140197 010619	< 5	105	60	165	165	89	62	0.6	1.4		63.6	36.4
59321	200140197 010619	11	111	103	225	214	135	86	0.9	1.6	4.9	49.3	45.8
59322	200140197 010619	6	80	17	103	97	136	52	0.2	2.6	5.8	77.7	16.5
59323	200140197 010619	< 5	54	< 10	54		70	54		1.3		100.0	
59324	200140197 010619	6	< 15	28	34		113	60		1.9	17.6		82.4
59325	200140197 010619	212	445	1302	1959	1747	2771	1173	2.9	2.4	10.8	22.7	66.5
59326	200140197 010619	5	< 15	71	76		96	75		1.3	6.6		93.4
59327	200140197 010619	42	291	832	1165	1123	696	618	2.9	1.1	3.6	25.0	71.4
59328	200140197 010619	7	< 15	50	57		85	62		1.4	12.3		87.7
59329	200140197 010619	14	66	97	177	163	115	71	1.5	1.6	7.9	37.3	54.8
59330	200140197 010619	< 5	< 15	29	29		84	54		1.6			100.0
59331	200140197 010619	65	79	202	346	281	1585	498	2.6	3.2	18.8	22.8	58.4
59332	200140197 010619	< 5	26	39	65	65	79	51	1.5	1.5		40.0	60.0
59333	200140197 010619	< 5	21	33	54	54	62	51	1.6	1.2		38.9	61.1
59334	200140197 010619	< 5	40	14	54	54	89	58	0.4	1.5		74.1	25.9
59335	200140197 010619	< 5	< 15	37	37		78	57		1.4			100.0
59336	200140197 010619	< 5	< 15	20	20		67	56		1.2			100.0
59337	200140197 010619	< 5	< 15	21	21		64	52		1.2			100.0
59338	200140197 010619	< 5	< 15	23	23		65	50		1.3			100.0
59339	200140197 010619	< 5	< 15	29	29		65	55		1.2			100.0
59340	200140197 010619	20	< 15	21	41		60	47		1.3	48.8		51.2
59341	200140197 010619	8	< 15	29	37		60	56		1.1	21.6		78.4
59342	200140197 010619	< 5	< 15	34	34		88	96		0.9			100.0
59343	200140197 010619	< 5	< 15	30	30		74	58		1.3			100.0
59344	200140197 010619	5	< 15	47	52		63	59		1.1	9.6		90.4
59345	200140197 010619	< 5	20	32	52	52	63	52	1.6	1.2		38.5	61.5
59346	200140197 010619	< 5	< 15	16	16		64	59		1.1			100.0
59347	200140197 010619	< 5	< 15	33	33		65	56		1.2			100.0
59348	200140197 010619	< 5	< 15	16	16		68	56		1.2			100.0
59349	200140197 010619	< 5	24	23	47	47	71	57	1.0	1.2		51.1	48.9
59350	200140197 010619	< 5	< 15	40	40		91	66		1.4			100.0

Tag	WO#	Au(ppb)	Pt(ppb)	Pd(ppb)	3E(ppb)	Pt+Pd(ppb)	Cu(ppm)	Ni(ppm)	Pd:Pt	Cu:Ni	%Au	%Pt	%Pd
59351	200140197 010619	< 5	< 15	21	21		172	101		1.7			100.0
59352	200140197 010619	12	< 15	27	39		353	144		2.5	30.8		69.2
59353	200140197 010619	14	< 15	35	49		377	173		2.2	28.6		71.4
59354	200140197 010619	11	< 15	45	56		366	156		2.3	19.6		80.4
59355	200140197 010619	< 5	107	12	119	119	70	52	0.1	1.3		89.9	10.1
59356	200140197 010619	79	< 15	105	184		1793	714		2.5	42.9		57.1
59357	200140197 010619	95	< 15	118	213		2032	783		2.6	44.6		55.4
59358	200140197 010619	129	31	165	325	196	2781	1100	5.3	2.5	39.7	9.5	50.8
59359	200140197 010619	68	< 15	103	171		1567	569		2.8	39.8		60.2
59360	200140197 010619	198	127	284	609	411	5361	1938	2.2	2.8	32.5	20.9	46.6
59361	200140197 010619	148	90	189	427	279	3609	1270	2.1	2.8	34.7	21.1	44.3
59362	200140197 010619	79	27	112	218	139	1814	664	4.1	2.7	36.2	12.4	51.4
59363	200140197 010619	83	57	138	278	195	1929	771	2.4	2.5	29.9	20.5	49.6
59364	200140197 010619	76	96	121	293	217	1645	638	1.3	2.6	25.9	32.8	41.3
59365	200140197 010619	46	60	73	179	133	892	314	1.2	2.8	25.7	33.5	40.8
59366	200140197 010619	35	77	62	174	139	701	283	0.8	2.5	20.1	44.3	35.6
59367	200140197 010619	111	114	208	433	322	2715	937	1.8	2.9	25.6	26.3	48.0
59368	200140197 010619	92	111	180	383	291	2394	816	1.6	2.9	24.0	29.0	47.0
59369	200140197 010619	30	91	62	183	153	636	243	0.7	2.6	16.4	49.7	33.9
59370	200140197 010619	39	85	65	189	150	1219	345	0.8	3.5	20.6	45.0	34.4
59371	200140197 010619	< 5	36	15	51	51	69	81	0.4	0.9		70.6	29.4
59372	200140197 010619	53	203	114	370	317	1373	461	0.6	3.0	14.3	54.9	30.8
59373	200140197 010619	95	242	137	474	379	1955	688	0.6	2.8	20.0	51.1	28.9
59375	200140197 010619	173	214	367	754	581	3630	1281	1.7	2.8	22.9	28.4	48.7
59376	200140197 010619	97	133	252	482	385	2261	863	1.9	2.6	20.1	27.6	52.3
59377	200140197 010619	121	201	325	647	526	3120	1168	1.6	2.7	18.7	31.1	50.2
59378	200140197 010619	151	38	291	480	329	3568	1307	7.7	2.7	31.5	7.9	60.6
59379	200140197 010619	90	45	244	379	289	2348	858	5.4	2.7	23.7	11.9	64.4
59380	200140197 010619	97	62	285	444	347	2256	790	4.6	2.9	21.8	14.0	64.2
59381	200140197 010619	180	151	724	1055	875	3971	1562	4.8	2.5	17.1	14.3	68.6
59382	200140197 010619	115	128	546	789	674	2296	848	4.3	2.7	14.6	16.2	69.2
59383	200140197 010619	128	136	608	872	744	2475	1027	4.5	2.4	14.7	15.6	69.7
59384	200140197 010619	40	31	149	220	180	751	291	4.8	2.6	18.2	14.1	67.7
59385	200140197 010619	7	< 15	15	22		83	44		1.9	31.8		68.2
59386	200140197 010619	8	< 15	15	23		79	48		1.6	34.8		65.2
59387	200140197 010619	< 5	< 15	13	13		83	47		1.8			100.0
59388	200140197 010619	31	< 15	62	93		808	334		2.4	33.3		66.7
59389	200140197 010619	< 5	< 15	12	12		89	47		1.9			100.0
59390	200140197 010619	< 5	< 15	< 10	0		119	58		2.1			
59391	200140197 010619	22	< 15	34	56		396	86		4.6	39.3		60.7
59392	200140197 010619	7	< 15	14	21		148	65		2.3	33.3		66.7
59393	200140197 010619	7	26	< 10	33		86	55		1.6	21.2	78.8	
59394	200140197 010619	6	18	< 10	24		86	44		2.0	25.0	75.0	
59395	200140197 010619	6	30	< 10	36		88	49		1.8	16.7	83.3	
59396	200140197 010619	37	< 15	20	57		78	61		1.3	64.9		35.1
59397	200140197 010619	5	38	< 10	43		127	77		1.6	11.6	88.4	
59398	200140197 010619	7	34	10	51	44	89	102	0.3	0.9	13.7	66.7	19.6
59399	200140197 010619	6	< 15	< 10	6		34	44		0.8	100.0		
59400	200140197 010619	< 5	< 15	< 10	0		31	46		0.7			
59401	200140197 010619	10	59	16	85	75	97	78	0.3	1.2	11.8	69.4	18.8

Tag	WO#	Au(ppb)	Pt(ppb)	Pd(ppb)	3E(ppb)	Pt+Pd(ppb)	Cu(ppm)	Ni(ppm)	Pd:Pt	Cu:Ni	%Au	%Pt	%Pd
59402	200140197 010619	8	< 15	37	45		76	84		0.9	17.8		82.2
59403	200140197 010619	< 5	< 15	< 10	0		72	9		8.0			
59404	200140197 010619	10	44	26	80	70	183	89	0.6	2.1	12.5	55.0	32.5
59405	200140197 010619	10	27	30	67	57	97	73	1.1	1.3	14.9	40.3	44.8
59406	200140197 010619	9	24	27	60	51	99	82	1.1	1.2	15.0	40.0	45.0
59407	200140197 010619	8	41	32	81	73	116	69	0.8	1.7	9.9	50.6	39.5
59408	200140197 010619	8	43	38	89	81	82	96	0.9	0.9	9.0	48.3	42.7
59409	200140197 010619	18	46	< 10	64		26	60		0.4	28.1	71.9	
59410	200140197 010619	< 5	46	< 10	46		28	52		0.5		100.0	
59411	200140197 010619	< 5	47	< 10	47		39	73		0.5		100.0	
59412	200140197 010619	13	< 15	21	34		373	222		1.7	38.2		61.8
59413	200140197 010619	47	< 15	49	96		170	653		0.3	49.0		51.0
59414	200140197 010619	11	469	283	763	752	106	218	0.6	0.5	1.4	61.5	37.1
59415	200140197 010619	15	94	37	146	131	52	82	0.4	0.6	10.3	64.4	25.3
59416	200140197 010619	10	98	52	160	150	76	75	0.5	1.0	6.3	61.3	32.5
59417	200140197 010619	15	56	74	145	130	206	89	1.3	2.3	10.3	38.6	51.0
59418	200140197 010619	30	86	35	151	121	39	192	0.4	0.2	19.9	57.0	23.2
59419	200140197 010619	5	< 15	< 10	5		51	133		0.4	100.0		
59420	200140197 010619	< 5	31	40	71	71	22	73	1.3	0.3		43.7	56.3
59421	200140197 010619	< 5	47	50	97	97	39	76	1.1	0.5		48.5	51.5
59422	200140197 010619	16	50	< 10	66		223	39		5.7	24.2	75.8	
59423	200140197 010619	7	54	13	74	67	121	52	0.2	2.3	9.5	73.0	17.6
59424	200140197 010619	12	86	55	153	141	190	108	0.6	1.8	7.8	56.2	35.9
59425	200140197 010619	12	166	181	359	347	98	96	1.1	1.0	3.3	46.2	50.4
59426	200140197 010619	13	127	102	242	229	89	103	0.8	0.9	5.4	52.5	42.1
59427	200140197 010619	7	96	54	157	150	113	72	0.6	1.6	4.5	61.1	34.4
59428	200140197 010619	9	< 15	40	49		72	55		1.3	18.4		81.6
59429	200140197 010619	10	< 15	49	59		124	77		1.6	16.9		83.1
59430	200140197 010619	8	< 15	36	44		162	73		2.2	18.2		81.8
59431	200140197 010619	11	51	14	76	65	149	61	0.3	2.4	14.5	67.1	18.4
59432	200140197 010619	7	23	18	48	41	50	61	0.8	0.8	14.6	47.9	37.5
59433	200140197 010619	6	102	35	143	137	47	65	0.3	0.7	4.2	71.3	24.5
59434	200140197 010619	7	160	139	306	299	167	62	0.9	2.7	2.3	52.3	45.4
59435	200140197 010619	10	106	74	190	180	151	91	0.7	1.7	5.3	55.8	38.9
59436	200140197 010619	8	83	24	115	107	58	61	0.3	1.0	7.0	72.2	20.9
59437	200140197 010619	10	104	17	131	121	38	51	0.2	0.7	7.6	79.4	13.0
59438	200140197 010619	14	67	70	151	137	130	78	1.0	1.7	9.3	44.4	46.4
59439	200140197 010619	8	94	16	118	110	58	58	0.2	1.0	6.8	79.7	13.6
59440	200140197 010619	7	80	11	98	91	57	53	0.1	1.1	7.1	81.6	11.2
59441	200140197 010619	< 5	< 15	22	22		62	58		1.1			100.0
59442	200140197 010619	< 5	32	16	48	48	68	59	0.5	1.2		66.7	33.3
59443	200140197 010619	5	< 15	56	61		81	65		1.2	8.2		91.8
59444	200140197 010619	9	53	35	97	88	68	57	0.7	1.2	9.3	54.6	36.1
59445	200140197 010619	< 5	< 15	26	26		70	58		1.2			100.0
59446	200140197 010619	< 5	27	13	40	40	66	61	0.5	1.1		67.5	32.5
59447	200140197 010619	5	31	26	62	57	56	53	0.8	1.1	8.1	50.0	41.9
59448	200140197 010619	10	< 15	24	34		57	49		1.2	29.4		70.6
59449	200140197 010619	11	< 15	18	29		77	57		1.4	37.9		62.1
59450	200140197 010619	10	< 15	21	31		72	52		1.4	32.3		67.7
59451	200140197 010619	36	< 15	12	48		54	55		1.0	75.0		25.0

Tag	WO#	Au(ppb)	Pt(ppb)	Pd(ppb)	3E(ppb)	Pt+Pd(ppb)	Cu(ppm)	Ni(ppm)	Pd:Pt	Cu:Ni	%Au	%Pt	%Pd
59452	200140197 010619	< 5	< 15	38	38		66	59		1.1			100.0
59453	200140197 010619	9	< 15	27	36		75	66		1.1	25.0		75.0
59454	200140197 010619	22	< 15	56	78		292	160		1.8	28.2		71.8
59455	200140197 010619	64	< 15	31	95		127	83		1.5	67.4		32.6
59456	200140197 010619	17	< 15	51	68		170	78		2.2	25.0		75.0
59457	200140197 010619	7	< 15	25	32		76	56		1.4	21.9		78.1
59458	200140197 010619	85	< 15	84	169		878	334		2.6	50.3		49.7
59459	200140197 010619	55	< 15	121	176		1327	542		2.4	31.3		68.8
59460	200140197 010619	41	< 15	83	124		862	346		2.5	33.1		66.9
59461	200140197 010619	64	< 15	155	219		1618	616		2.6	29.2		70.8
59462	200140197 010619	76	< 15	164	240		1813	722		2.5	31.7		68.3
59463	200140197 010619	118	66	246	430	312	2599	1050	3.7	2.5	27.4	15.3	57.2
59464	200140197 010619	131	123	288	542	411	3123	1161	2.3	2.7	24.2	22.7	53.1
59465	200140197 010619	91	39	252	382	291	1953	832	6.5	2.3	23.8	10.2	66.0
59466	200140197 010619	121	126	323	570	449	2708	1176	2.6	2.3	21.2	22.1	56.7
59467	200140197 010619	95	123	295	513	418	3079	1292	2.4	2.4	18.5	24.0	57.5
59468	200140197 010619	139	63	388	590	451	3343	1312	6.2	2.5	23.6	10.7	65.8
59469	200140197 010619	58	< 15	182	240		1494	594		2.5	24.2		75.8
59470	200140197 010619	75	54	159	288	213	1880	743	2.9	2.5	26.0	18.8	55.2
59471	200140197 010619	146	109	358	613	467	3201	1301	3.3	2.5	23.8	17.8	58.4
59472	200140197 010619	72	77	217	366	294	2005	762	2.8	2.6	19.7	21.0	59.3
59473	200140197 010619	122	123	316	561	439	3185	1252	2.6	2.5	21.7	21.9	56.3
59474	200140197 010619	137	83	328	548	411	3329	1309	4.0	2.5	25.0	15.1	59.9
59475	200140197 010619	149	123	418	690	541	3657	1490	3.4	2.5	21.6	17.8	60.6
59476	200140197 010619	144	113	438	695	551	3599	1444	3.9	2.5	20.7	16.3	63.0
59477	200140197 010619	41	82	129	252	211	894	332	1.6	2.7	16.3	32.5	51.2
59478	200140197 010619	141	133	443	717	576	3823	1416	3.3	2.7	19.7	18.5	61.8
59479	200140197 010619	64	88	184	336	272	1407	512	2.1	2.7	19.0	26.2	54.8
59480	200140197 010619	85	126	327	538	453	2074	809	2.6	2.6	15.8	23.4	60.8
59481	200140197 010619	47	67	141	255	208	974	389	2.1	2.5	18.4	26.3	55.3
59482	200140197 010619	5	23	28	56	51	84	60	1.2	1.4	8.9	41.1	50.0
59483	200140197 010619	6	17	29	52	46	82	64	1.7	1.3	11.5	32.7	55.8
59484	200140197 010619	6	21	20	47	41	81	59	1.0	1.4	12.8	44.7	42.6
59485	200140197 010619	14	21	22	57	43	90	65	1.0	1.4	24.6	36.8	38.6
59486	200140197 010619	7	< 15	15	22		83	55		1.5	31.8		68.2
59487	200140197 010619	6	17	17	40	34	85	68	1.0	1.3	15.0	42.5	42.5
59488	200140197 010619	8	19	19	46	38	129	74	1.0	1.7	17.4	41.3	41.3
59489	200140197 010619	6	27	13	46	40	80	55	0.5	1.5	13.0	58.7	28.3
59490	200140197 010619	6	< 15	15	21		90	54		1.7	28.6		71.4
59491	200140197 010619	6	18	20	44	38	89	53	1.1	1.7	13.6	40.9	45.5
59492	200140197 010619	< 5	23	17	40	40	89	48	0.7	1.9		57.5	42.5
59493	200140197 010619	7	16	16	39	32	105	53	1.0	2.0	17.9	41.0	41.0
59494	200140197 010619	20	< 15	34	54		394	100		3.9	37.0		63.0
59495	200140197 010619	25	26	39	90	65	580	114	1.5	5.1	27.8	28.9	43.3
59496	200140197 010619	8	22	17	47	39	160	74	0.8	2.2	17.0	46.8	36.2
59497	200140197 010619	6	16	12	34	28	96	57	0.8	1.7	17.6	47.1	35.3
59498	200140197 010619	6	< 15	15	21		92	51		1.8	28.6		71.4
59499	200140197 010619	6	< 15	12	18		93	58		1.6	33.3		66.7
59500	200140197 010619	< 5	< 15	14	14		93	56		1.7			100.0
19001	200140197 010619	6	< 15	18	24		92	74		1.2	25.0		75.0

Tag	WO#	Au(ppb)	Pt(ppb)	Pd(ppb)	3E(ppb)	Pt+Pd(ppb)	Cu(ppm)	Ni(ppm)	Pd:Pt	Cu:Ni	%Au	%Pt	%Pd
19002	200140197 010619	7	< 15	14	21		97	77		1.3	33.3		66.7
19003	200140197 010619	6	28	16	50	44	91	68	0.6	1.3	12.0	56.0	32.0
19004	200140197 010619	11	< 15	< 10	11		336	100		3.4	100.0		
19005	200140197 010619	35	< 15	< 10	35		132	49		2.7	100.0		
19006	200140197 010619	7	< 15	< 10	7		30	43		0.7	100.0		
19007	200140197 010619	48	< 15	< 10	48		20	72		0.3	100.0		
19008	200140197 010619	38	< 15	< 10	38		6	130		0.0	100.0		
19009	200140197 010619	176	34	53	263	87	93	79	1.6	1.2	66.9	12.9	20.2
19010	200140197 010619	89	50	159	298	209	418	179	3.2	2.3	29.9	16.8	53.4
19011	200140197 010619	22	40	102	164	142	147	109	2.6	1.3	13.4	24.4	62.2
19012	200140197 010619	510	36	62	608	98	123	102	1.7	1.2	83.9	5.9	10.2
19013	200140197 010619	< 5	29	51	80	80	81	71	1.8	1.1		36.3	63.8
19014	200140197 010619	< 5	16	66	82	82	100	84	4.1	1.2		19.5	80.5
19015	200140197 010619	13	35	79	127	114	188	126	2.3	1.5	10.2	27.6	62.2
19016	200140197 010619	53	23	26	102	49	140	95	1.1	1.5	52.0	22.5	25.5
19017	200140197 010619	106	< 15	22	128		135	85		1.6	82.8		17.2
19018	200140197 010619	102	32	57	191	89	83	71	1.8	1.2	53.4	16.8	29.8
19019	200140197 010619	28	30	31	89	61	312	108	1.0	2.9	31.5	33.7	34.8
19020	200140197 010619	8	< 15	27	35		230	104		2.2	22.9		77.1
19021	200140197 010619	150	28	35	213	63	305	122	1.3	2.5	70.4	13.1	16.4
19022	200140197 010619	152	132	141	425	273	101	98	1.1	1.0	35.8	31.1	33.2
19023	200140197 010619	216	< 15	19	235		117	69		1.7	91.9		8.1
19024	200140197 010619	389	32	64	485	96	266	112	2.0	2.4	80.2	6.6	13.2
19025	200140197 010619	119	40	108	267	148	141	109	2.7	1.3	44.6	15.0	40.4
19026	200140197 010619	33	34	60	127	94	108	79	1.8	1.4	26.0	26.8	47.2
19027	200140197 010619	130	16	23	169	39	76	72	1.4	1.1	76.9	9.5	13.6
19028	200140197 010619	200	21	21	242	42	70	88	1.0	0.8	82.6	8.7	8.7
19029	200140197 010619	171	21	14	206	35	76	73	0.7	1.0	83.0	10.2	6.8
19030	200140197 010619	235	25	46	306	71	236	109	1.8	2.2	76.8	8.2	15.0
19031	200140197 010619	252	32	123	407	155	511	220	3.8	2.3	61.9	7.9	30.2
19032	200140197 010619	118	25	29	172	54	233	120	1.2	1.9	68.6	14.5	16.9
19033	200140197 010619	21	< 15	35	56		278	123		2.3	37.5		62.5
19034	200140197 010619	115	83	115	313	198	2722	1120	1.4	2.4	36.7	26.5	36.7
19035	200140197 010619	213	35	101	349	136	1871	714	2.9	2.6	61.0	10.0	28.9
59374	200140197 010619	135	52	173	360	225	2097	735	3.3	2.9	37.5	14.4	48.1
19036	200140197 010619	142	53	144	339	197	2581	1026	2.7	2.5	41.9	15.6	42.5
19037	200140197 010619	217	76	178	471	254	3855	1644	2.3	2.3	46.1	16.1	37.8
19038	200140197 010619	688	70	169	927	239	2839	1114	2.4	2.5	74.2	7.6	18.2
19039	200140197 010619	191	28	81	300	109	1689	649	2.9	2.6	63.7	9.3	27.0
19040	200140197 010619	24	< 15	24	48		409	162		2.5	50.0		50.0
19041	200140197 010619	72	31	48	151	79	1232	492	1.5	2.5	47.7	20.5	31.8
19042	200140197 010619	106	44	144	294	188	2473	948	3.3	2.6	36.1	15.0	49.0
19043	200140197 010619	214	69	238	521	307	3718	1442	3.4	2.6	41.1	13.2	45.7
19044	200140197 010619	290	60	189	539	249	3417	1400	3.2	2.4	53.8	11.1	35.1
19045	200140197 010619	145	59	195	399	254	2930	1226	3.3	2.4	36.3	14.8	48.9
19046	200140197 010619	363	94	263	720	357	4201	1798	2.8	2.3	50.4	13.1	36.5
19047	200140197 010619	254	104	325	683	429	5766	2412	3.1	2.4	37.2	15.2	47.6
19048	200140197 010619	237	101	299	637	400	5427	2258	3.0	2.4	37.2	15.9	46.9
19049	200140197 010619	205	95	258	558	353	4883	2034	2.7	2.4	36.7	17.0	46.2
19050	200140197 010619	138	96	176	410	272	3043	1250	1.8	2.4	33.7	23.4	42.9

Tag	WO#	Au(ppb)	Pt(ppb)	Pd(ppb)	3E(ppb)	Pt+Pd(ppb)	Cu(ppm)	Ni(ppm)	Pd:Pt	Cu:Ni	%Au	%Pt	%Pd
19051	200140197 010619	93	50	118	261	168	1707	676	2.4	2.5	35.6	19.2	45.2
19052	200140197 010619	135	37	177	349	214	2886	1312	4.8	2.2	38.7	10.6	50.7
19053	200140197 010619	197	34	117	348	151	1665	707	3.4	2.4	56.6	9.8	33.6
19054	200140197 010619	159	66	168	393	234	2770	1193	2.5	2.3	40.5	16.8	42.7
19055	200140197 010619	65	< 15	14	79		162	94		1.7	82.3		17.7
19056	200140197 010619	47	18	76	141	94	809	379	4.2	2.1	33.3	12.8	53.9
19057	200140197 010619	48	23	56	127	79	580	263	2.4	2.2	37.8	18.1	44.1
19058	200140197 010619	71	50	134	255	184	1197	518	2.7	2.3	27.8	19.6	52.5
19059	200140197 010619	204	160	364	728	524	3736	1641	2.3	2.3	28.0	22.0	50.0
19060	200140197 010619	213	126	290	629	416	4032	1692	2.3	2.4	33.9	20.0	46.1
19061	200140197 010619	416	137	481	1034	618	4921	2192	3.5	2.2	40.2	13.2	46.5
19062	200140197 010619	474	96	287	857	383	2980	1137	3.0	2.6	55.3	11.2	33.5
19062	200140197 010619	520	94	304	918	398	2967	1134	3.2	2.6	56.6	10.2	33.1
19063	200140197 010619	118	59	151	328	210	2182	714	2.6	3.1	36.0	18.0	46.0
19064	200140197 010619	533	114	323	970	437	3600	1417	2.8	2.5	54.9	11.8	33.3
19065	200140197 010619	231	122	390	743	512	4089	1717	3.2	2.4	31.1	16.4	52.5
19066	200140197 010619	631	205	712	1548	917	5751	2346	3.5	2.5	40.8	13.2	46.0
19067	200140197 010619	287	182	726	1195	908	5870	2308	4.0	2.5	24.0	15.2	60.8
19068	200140197 010619	260	208	727	1195	935	4451	1784	3.5	2.5	21.8	17.4	60.8
19069	200140197 010619	279	161	596	1036	757	4024	1768	3.7	2.3	26.9	15.5	57.5
19070	200140197 010619	212	144	671	1027	815	3898	1548	4.7	2.5	20.6	14.0	65.3
19071	200140197 010619	101	87	680	868	767	2971	1205	7.8	2.5	11.6	10.0	78.3
19072	200140197 010619	201	100	597	898	697	2772	1187	6.0	2.3	22.4	11.1	66.5
19073	200140197 010619	220	160	735	1115	895	3357	1433	4.6	2.3	19.7	14.3	65.9
19074	200140197 010619	288	89	420	797	509	2033	896	4.7	2.3	36.1	11.2	52.7
19075	200140197 010619	140	74	278	492	352	1596	590	3.8	2.7	28.5	15.0	56.5
19076	200140197 010619	29	18	46	93	64	194	102	2.6	1.9	31.2	19.4	49.5
19077	200140197 010619	212	< 15	26	238		99	78		1.3	89.1		10.9
19078	200140197 010619	26	18	22	66	40	87	111	1.2	0.8	39.4	27.3	33.3
19079	200140197 010619	63	21	17	101	38	90	91	0.8	1.0	62.4	20.8	16.8
19080	200140197 010619	56	22	13	91	35	99	96	0.6	1.0	61.5	24.2	14.3
19081	200140197 010619	14	42	24	80	66	98	90	0.6	1.1	17.5	52.5	30.0
19082	200140197 010619	49	34	23	106	57	102	76	0.7	1.3	46.2	32.1	21.7
19083	200140197 010619	37	37	16	90	53	96	70	0.4	1.4	41.1	41.1	17.8
19084	200140197 010619	8	38	13	59	51	92	76	0.3	1.2	13.6	64.4	22.0
19085	200140197 010619	12	31	16	59	47	101	67	0.5	1.5	20.3	52.5	27.1
19086	200140197 010619	39	17	23	79	40	106	66	1.4	1.6	49.4	21.5	29.1
19087	200140197 010619	34	24	17	75	41	106	67	0.7	1.6	45.3	32.0	22.7
19088	200140197 010619	192	16	64	272	80	132	78	4.0	1.7	70.6	5.9	23.5
19089	200140197 010619	22	33	16	71	49	97	72	0.5	1.3	31.0	46.5	22.5
19090	200140197 010619	11	24	18	53	42	102	76	0.8	1.3	20.8	45.3	34.0
19091	200140197 010619	43	57	17	117	74	84	68	0.3	1.2	36.8	48.7	14.5
19092	200140197 010619	53	< 15	13	66		83	98		0.8	80.3		19.7
19093	200140197 010619	231	< 15	21	252		120	101		1.2	91.7		8.3
19094	200140197 010619	39	25	18	82	43	83	100	0.7	0.8	47.6	30.5	22.0
19095	200140197 010619	42	< 15	17	59		93	110		0.8	71.2		28.8
19096	200140197 010619	15	< 15	< 10	15		188	97		1.9	100.0		
19097	200140197 010619	18	22	< 10	40		52	52		1.0	45.0	55.0	
19098	200140197 010619	123	< 15	< 10	123		22	49		0.4	100.0		
19099	200140197 010619	56	< 15	< 10	56		30	55		0.5	100.0		

Tag	WO#	Au(ppb)	Pt(ppb)	Pd(ppb)	3E(ppb)	Pt+Pd(ppb)	Cu(ppm)	Ni(ppm)	Pd:Pt	Cu:Ni	%Au	%Pt	%Pd
19100	200140197 010619	129	< 15	< 10	129		18	51		0.4	100.0		
19101	200140197 010619	35	< 15	< 10	35		625	259		2.4	100.0		
19102	200140197 010619	121	< 15	< 10	121		772	217		3.6	100.0		
19103	200140197 010619	36	18	< 10	54		1107	377		2.9	66.7	33.3	
19104	200140197 010619	45	37	23	105	60	1040	318	0.6	3.3	42.9	35.2	21.9
19105	200140197 010619	31	18	17	66	35	621	224	0.9	2.8	47.0	27.3	25.8
19106	200140197 010619	47	< 15	21	68		979	350		2.8	69.1		30.9
19107	200140197 010619	25	< 15	16	41		582	187		3.1	61.0		39.0
19108	200140197 010619	51	< 15	26	77		1081	387		2.8	66.2		33.8
19109	200140197 010619	59	< 15	27	86		1488	513		2.9	68.6		31.4
19110	200140197 010619	105	37	62	204	99	4103	1415	1.7	2.9	51.5	18.1	30.4
19111	200140197 010619	34	< 15	25	59		1293	373		3.5	57.6		42.4
19112	200140197 010619	24	< 15	28	52		908	335		2.7	46.2		53.8
19113	200140197 010619	25	36	28	89	64	970	354	0.8	2.7	28.1	40.4	31.5
19114	200140197 010619	41	36	29	106	65	1334	395	0.8	3.4	38.7	34.0	27.4
19115	200140197 010619	88	28	22	138	50	1460	544	0.8	2.7	63.8	20.3	15.9
19116	200140197 010619	34	17	28	79	45	2320	536	1.6	4.3	43.0	21.5	35.4
19117	200140197 010619	68	54	48	170	102	2889	1225	0.9	2.4	40.0	31.8	28.2
19118	200140197 010619	161	63	41	265	104	2627	1015	0.7	2.6	60.8	23.8	15.5
19119	200140197 010619	43	38	26	107	64	732	504	0.7	1.5	40.2	35.5	24.3
19120	200140197 010619	84	18	23	125	41	1556	532	1.3	2.9	67.2	14.4	18.4
19121	200140197 010619	108	63	49	220	112	3590	851	0.8	4.2	49.1	28.6	22.3
19122	200140197 010619	152	65	64	281	129	4608	997	1.0	4.6	54.1	23.1	22.8
19123	200140197 010619	51	36	30	117	66	1641	412	0.8	4.0	43.6	30.8	25.6
19124	200140197 010619	54	37	26	117	63	1702	354	0.7	4.8	46.2	31.6	22.2
19125	200140197 010619	86	54	39	179	93	2157	667	0.7	3.2	48.0	30.2	21.8
19126	200140197 010619	51	36	28	115	64	1276	347	0.8	3.7	44.3	31.3	24.3
19127	200140197 010619	22	22	27	71	49	362	247	1.2	1.5	31.0	31.0	38.0
19128	200140197 010619	22	31	74	127	105	544	273	2.4	2.0	17.3	24.4	58.3
19129	200140197 010619	461	115	135	711	250	1122	558	1.2	2.0	64.8	16.2	19.0
19130	200140197 010619	406	69	47	522	116	1429	564	0.7	2.5	77.8	13.2	9.0
19131	200140197 010619	106	38	45	189	83	692	369	1.2	1.9	56.1	20.1	23.8
19132	200140197 010619	181	68	40	289	108	598	240	0.6	2.5	62.6	23.5	13.8
19133	200140197 010619	442	150	183	775	333	541	977	1.2	0.6	57.0	19.4	23.6
19134	200140197 010619	107	132	100	339	232	215	670	0.8	0.3	31.6	38.9	29.5
19135	200140197 010619	49	243	208	500	451	116	338	0.9	0.3	9.8	48.6	41.6
19136	200140197 010619	23	157	129	309	286	116	282	0.8	0.4	7.4	50.8	41.7
19137	200140197 010619	66	213	289	568	502	371	261	1.4	1.4	11.6	37.5	50.9
19138	200140197 010619	147	253	288	688	541	347	819	1.1	0.4	21.4	36.8	41.9
19139	200140197 010619	336	143	98	577	241	1135	732	0.7	1.6	58.2	24.8	17.0
19140	200140197 010619	675	190	240	1105	430	8689	1238	1.3	7.0	61.1	17.2	21.7
19141	200140197 010619	290	213	162	665	375	6608	1059	0.8	6.2	43.6	32.0	24.4
19142	200140197 010619	197	76	74	347	150	1359	372	1.0	3.7	56.8	21.9	21.3
19143	200140197 010619	92	76	59	227	135	847	341	0.8	2.5	40.5	33.5	26.0
19144	200140197 010619	94	102	79	275	181	1617	671	0.8	2.4	34.2	37.1	28.7
19145	200140197 010619	83	70	44	197	114	1194	351	0.6	3.4	42.1	35.5	22.3
19146	200140197 010619	40	63	38	141	101	1040	433	0.6	2.4	28.4	44.7	27.0
19147	200140197 010619	62	110	87	259	197	1932	450	0.8	4.3	23.9	42.5	33.6
19148	200140197 010619	60	47	36	143	83	1035	162	0.8	6.4	42.0	32.9	25.2
19149	200140197 010619	41	50	21	112	71	1057	197	0.4	5.4	36.6	44.6	18.8

Tag	WO#	Au(ppb)	Pt(ppb)	Pd(ppb)	3E(ppb)	Pt+Pd(ppb)	Cu(ppm)	Ni(ppm)	Pd:Pt	Cu:Ni	%Au	%Pt	%Pd
19150	200140197 010619	40	49	14	103	63	1231	160	0.3	7.7	38.8	47.6	13.6
19151	200140197 010619	45	50	25	120	75	1265	184	0.5	6.9	37.5	41.7	20.8
19152	200140197 010619	45	34	15	94	49	989	162	0.4	6.1	47.9	36.2	16.0
19153	200140197 010619	86	44	33	163	77	1182	202	0.8	5.9	52.8	27.0	20.2
19154	200140197 010619	55	107	57	219	164	1118	239	0.5	4.7	25.1	48.9	26.0
19155	200140197 010619	69	58	43	170	101	1390	342	0.7	4.1	40.6	34.1	25.3
19156	200140197 010619	91	167	101	359	268	620	371	0.6	1.7	25.3	46.5	28.1
19157	200140197 010619	119	101	78	298	179	195	190	0.8	1.0	39.9	33.9	26.2
19158	200140197 010619	51	280	170	501	450	342	742	0.6	0.5	10.2	55.9	33.9
19159	200140197 010619	63	296	144	503	440	192	694	0.5	0.3	12.5	58.8	28.6
19160	200140197 010619	351	517	735	1603	1252	3339	978	1.4	3.4	21.9	32.3	45.9
19161	200140197 010619	61	132	139	332	271	694	173	1.1	4.0	18.4	39.8	41.9
19162	200140197 010619	19	36	23	78	59	76	72	0.6	1.1	24.4	46.2	29.5
19163	200140197 010619	15	35	26	76	61	56	67	0.7	0.8	19.7	46.1	34.2
19164	200140197 010619	19	35	23	77	58	56	65	0.7	0.9	24.7	45.5	29.9
19165	200140197 010619	24	34	32	90	66	69	72	0.9	1.0	26.7	37.8	35.6
19166	200140197 010619	17	35	15	67	50	51	62	0.4	0.8	25.4	52.2	22.4
19167	200140197 010619	30	27	35	92	62	52	62	1.3	0.8	32.6	29.3	38.0
19168	200140197 010619	24	37	32	93	69	51	77	0.9	0.7	25.8	39.8	34.4
19169	200140197 010619	99	19	18	136	37	45	80	0.9	0.6	72.8	14.0	13.2
19170	200140197 010619	49	29	21	99	50	49	71	0.7	0.7	49.5	29.3	21.2
19171	200140197 010619	32	29	17	78	46	54	70	0.6	0.8	41.0	37.2	21.8
19172	200140197 010619	19	< 15	16	35		56	76		0.7	54.3		45.7
19173	200140197 010619	9	42	28	79	70	51	76	0.7	0.7	11.4	53.2	35.4
19174	200140197 010619	9	27	13	49	40	51	69	0.5	0.7	18.4	55.1	26.5
19175	200140197 010619	16	20	27	63	47	50	78	1.4	0.6	25.4	31.7	42.9
19176	200140197 010619	5	25	34	64	59	41	88	1.4	0.5	7.8	39.1	53.1
19177	200140197 010619	5	19	26	50	45	48	71	1.4	0.7	10.0	38.0	52.0
19178	200140197 010619	10	23	25	58	48	66	65	1.1	1.0	17.2	39.7	43.1
19179	200140197 010619	7	31	23	61	54	63	63	0.7	1.0	11.5	50.8	37.7
19180	200140197 010619	7	37	24	68	61	62	72	0.6	0.9	10.3	54.4	35.3
19181	200140197 010619	6	26	42	74	68	66	62	1.6	1.1	8.1	35.1	56.8
19182	200140197 010619	7	39	19	65	58	64	52	0.5	1.2	10.8	60.0	29.2
19183	200140197 010619	16	26	25	67	51	57	55	1.0	1.0	23.9	38.8	37.3
19184	200140197 010619	6	28	16	50	44	63	56	0.6	1.1	12.0	56.0	32.0
19185	200140197 010619	16	22	18	56	40	65	47	0.8	1.4	28.6	39.3	32.1
19186	200140197 010619	186	15	27	228	42	69	49	1.8	1.4	81.6	6.6	11.8
19187	200140197 010619	34	16	17	67	33	70	50	1.1	1.4	50.7	23.9	25.4
19188	200140197 010619	88	66	212	366	278	1607	673	3.2	2.4	24.0	18.0	57.9
19189	200140197 010619	94	81	203	378	284	1660	629	2.5	2.6	24.9	21.4	53.7
19190	200140197 010619	26	43	44	113	87	272	131	1.0	2.1	23.0	38.1	38.9
19191	200140197 010619	5	18	11	34	29	77	62	0.6	1.2	14.7	52.9	32.4
19192	200140197 010619	< 5	< 15	16	16		85	74		1.1			100.0
19193	200140197 010619	8	< 15	12	20		84	53		1.6	40.0		60.0
19194	200140197 010619	< 5	18	18	36	36	82	66	1.0	1.2		50.0	50.0
19195	200140197 010619	8	< 15	12	20		77	67		1.1	40.0		60.0
19196	200140197 010619	8	< 15	14	22		90	65		1.4	36.4		63.6
19197	200140197 010619	14	25	46	85	71	429	349	1.8	1.2	16.5	29.4	54.1
19198	200140197 010619	19	52	43	114	95	171	100	0.8	1.7	16.7	45.6	37.7
19199	200140197 010619	37	23	11	71	34	87	55	0.5	1.6	52.1	32.4	15.5

Tag	WO#	Au(ppb)	Pt(ppb)	Pd(ppb)	3E(ppb)	Pt+Pd(ppb)	Cu(ppm)	Ni(ppm)	Pd:Pt	Cu:Ni	%Au	%Pt	%Pd
19200	200140197 010619	29	25	< 10	54		100	74		1.4	53.7	46.3	
19201	200140197 010619	55	< 15	< 10	55		184	69		2.7	100.0		
19202	200140197 010619	23	< 15	< 10	23		104	48		2.2	100.0		
19203	200140197 010619	15	< 15	< 10	15		30	46		0.7	100.0		
19204	200140197 010619	11	< 15	< 10	11		20	31		0.6	100.0		
19205	200140197 010619	9	< 15	< 10	9		44	47		0.9	100.0		
19206	200140197 010619	< 5	< 15	< 10	0		24	44		0.5			
19207	200140197 010619	6	< 15	< 10	6		35	50		0.7	100.0		
19208	200140197 010619	8	< 15	< 10	8		53	40		1.3	100.0		
19209	200140197 010619	18	55	29	102	84	96	95	0.5	1.0	17.6	53.9	28.4
19210	200140197 010619	17	52	39	108	91	115	81	0.8	1.4	15.7	48.1	36.1
19211	200140197 010619	< 5	61	52	113	113	8	137	0.9	0.1		54.0	46.0
19212	200140197 010619	13	44	41	98	85	120	87	0.9	1.4	13.3	44.9	41.8
19213	200140197 010619	18	52	60	130	112	202	124	1.2	1.6	13.8	40.0	46.2
19214	200140197 010619	16	48	64	128	112	166	95	1.3	1.7	12.5	37.5	50.0
19215	200140197 010619	14	47	49	110	96	98	73	1.0	1.3	12.7	42.7	44.5
19216	200140197 010619	12	42	39	93	81	87	84	0.9	1.0	12.9	45.2	41.9
19217	200140197 010619	< 5	44	54	98	98	13	122	1.2	0.1		44.9	55.1
19218	200140197 010619	15	56	52	123	108	75	65	0.9	1.2	12.2	45.5	42.3
19219	200140197 010619	12	40	52	104	92	68	70	1.3	1.0	11.5	38.5	50.0
19220	200140197 010619	< 5	41	37	78	78	16	91	0.9	0.2		52.6	47.4
19221	200140197 010619	8	35	38	81	73	69	74	1.1	0.9	9.9	43.2	46.9
19222	200140197 010619	13	54	60	127	114	78	68	1.1	1.1	10.2	42.5	47.2
19223	200140197 010619	< 5	87	80	167	167	6	145	0.9	0.0		52.1	47.9
19224	200140197 010619	10	38	86	134	124	121	93	2.3	1.3	7.5	28.4	64.2
19225	200140197 010619	16	49	143	208	192	248	128	2.9	1.9	7.7	23.6	68.8
19226	200140197 010619	< 5	55	75	130	130	99	95	1.4	1.0		42.3	57.7
19227	200140197 010619	< 5	47	62	109	109	79	81	1.3	1.0		43.1	56.9
19228	200140197 010619	8	31	60	99	91	88	85	1.9	1.0	8.1	31.3	60.6
19229	200140197 010619	< 5	46	55	101	101	14	136	1.2	0.1		45.5	54.5
19230	200140197 010619	7	43	58	108	101	117	76	1.3	1.5	6.5	39.8	53.7
19231	200140197 010619	22	93	333	448	426	603	241	3.6	2.5	4.9	20.8	74.3
19232	200140197 010619	7	30	48	85	78	80	65	1.6	1.2	8.2	35.3	56.5
19233	200140197 010619	17	27	52	96	79	107	89	1.9	1.2	17.7	28.1	54.2
19234	200140197 010619	28	244	1277	1549	1521	182	635	5.2	0.3	1.8	15.8	82.4
19235	200140197 010619	10	30	73	113	103	124	88	2.4	1.4	8.8	26.5	64.6
19236	200140197 010619	27	52	228	307	280	383	212	4.4	1.8	8.8	16.9	74.3
19237	200140197 010619	9	19	47	75	66	140	90	2.5	1.6	12.0	25.3	62.7
19238	200140197 010619	< 5	25	47	72	72	15	129	1.9	0.1		34.7	65.3
19239	200140197 010619	7	20	36	63	56	80	76	1.8	1.1	11.1	31.7	57.1
19240	200140197 010619	< 5	< 15	48	48		80	70		1.1			100.0
19241	200140197 010619	18	16	50	84	66	87	80	3.1	1.1	21.4	19.0	59.5
19242	200140197 010619	< 5	18	27	45	45	24	179	1.5	0.1		40.0	60.0
19243	200140197 010619	16	< 15	33	49		169	124		1.4	32.7		67.3
19244	200140197 010619	12	21	51	84	72	258	194	2.4	1.3	14.3	25.0	60.7
19245	200140197 010619	31	16	43	90	59	868	337	2.7	2.6	34.4	17.8	47.8
19246	200140197 010619	42	64	135	241	199	1734	1286	2.1	1.3	17.4	26.6	56.0
19247	200140197 010619	62	72	105	239	177	2003	898	1.5	2.2	25.9	30.1	43.9
19248	200140197 010619	34	51	65	150	116	843	341	1.3	2.5	22.7	34.0	43.3
19249	200140197 010619	57	60	75	192	135	1565	569	1.3	2.8	29.7	31.3	39.1

Tag	WO#	Au(ppb)	Pt(ppb)	Pd(ppb)	3E(ppb)	Pt+Pd(ppb)	Cu(ppm)	Ni(ppm)	Pd:Pt	Cu:Ni	%Au	%Pt	%Pd
19250	200140197 010619	19	44	90	153	134	764	353	2.0	2.2	12.4	28.8	58.8
19251	200140197 010619	14	18	34	66	52	72	103	1.9	0.7	21.2	27.3	51.5
19252	200140197 010619	16	< 15	24	40		89	84		1.1	40.0		60.0
19253	200140197 010619	14	22	56	92	78	242	105	2.5	2.3	15.2	23.9	60.9
19254	200140197 010619	19	30	151	200	181	1101	186	5.0	5.9	9.5	15.0	75.5
19255	200140197 010619	80	< 15	75	155		137	88		1.6	51.6		48.4
19256	200140197 010619	8	< 15	21	29		78	74		1.1	27.6		72.4
19257	200140197 010619	8	< 15	31	39		124	96		1.3	20.5		79.5
19258	200140197 010619	12	54	27	93	81	125	98	0.5	1.3	12.9	58.1	29.0
19259	200140197 010619	9	26	21	56	47	15	149	0.8	0.1	16.1	46.4	37.5
19260	200140197 010619	< 5	24	19	43	43	5	136	0.8	0.0		55.8	44.2
19261	200140197 010619	20	34	18	72	52	94	75	0.5	1.3	27.8	47.2	25.0
19262	200140197 010619	10	16	14	40	30	77	70	0.9	1.1	25.0	40.0	35.0
19263	200140197 010619	12	39	32	83	71	59	79	0.8	0.7	14.5	47.0	38.6
19264	200140197 010619	9	30	33	72	63	87	72	1.1	1.2	12.5	41.7	45.8
19265	200140197 010619	7	28	27	62	55	70	72	1.0	1.0	11.3	45.2	43.5
19266	200140197 010619	6	28	41	75	69	100	77	1.5	1.3	8.0	37.3	54.7
19267	200140197 010619	10	21	16	47	37	78	64	0.8	1.2	21.3	44.7	34.0
19268	200140197 010619	20	21	18	59	39	149	71	0.9	2.1	33.9	35.6	30.5
19269	200140197 010619	11	< 15	16	27		93	61		1.5	40.7		59.3
19270	200140197 010619	8	17	12	37	29	55	55	0.7	1.0	21.6	45.9	32.4
19271	200140197 010619	16	26	15	57	41	102	61	0.6	1.7	28.1	45.6	26.3
19272	200140197 010619	185	24	18	227	42	101	58	0.8	1.7	81.5	10.6	7.9
19273	200140197 010619	14	17	16	47	33	104	59	0.9	1.8	29.8	36.2	34.0
19274	200140197 010619	12	18	12	42	30	121	72	0.7	1.7	28.6	42.9	28.6
19275	200140197 010619	11	40	18	69	58	132	72	0.5	1.8	15.9	58.0	26.1
19276	200140197 010619	17	< 15	< 10	17		143	60		2.4	100.0		
19277	200140197 010619	10	19	12	41	31	119	58	0.6	2.1	24.4	46.3	29.3
19278	200140197 010619	10	26	14	50	40	124	60	0.5	2.1	20.0	52.0	28.0
19279	200140197 010619	17	20	12	49	32	232	69	0.6	3.4	34.7	40.8	24.5
19280	200140197 010619	6	< 15	< 10	6		147	71		2.1	100.0		
19281	200140197 010619	8	< 15	< 10	8		105	73		1.4	100.0		
19282	200140197 010619	16	< 15	< 10	16		110	77		1.4	100.0		
19283	200140197 010619	5	< 15	< 10	5		126	61		2.1	100.0		
19284	200140197 010619	9	< 15	< 10	9		134	61		2.2	100.0		
19285	200140197 010619	5	< 15	< 10	5		145	72		2.0	100.0		
19286	200140197 010619	6	< 15	< 10	6		149	67		2.2	100.0		
19287	200140197 010619	6	< 15	< 10	6		154	67		2.3	100.0		
19288	200140197 010619	< 5	< 15	< 10	0		166	64		2.6			
19289	200140197 010619	10	< 15	< 10	10		137	63		2.2	100.0		
19290	200140197 010619	12	< 15	< 10	12		172	74		2.3	100.0		
19291	200140197 010619	< 5	< 15	< 10	0		142	58		2.4			
19292	200140197 010619	133	< 15	< 10	133		139	55		2.5	100.0		
19293	200140197 010619	73	< 15	< 10	73		154	61		2.5	100.0		
19294	200140197 010619	54	< 15	< 10	54		138	89		1.6	100.0		
19295	200140197 010619	45	< 15	< 10	45		142	62		2.3	100.0		
19296	200140197 010619	25	< 15	< 10	25		33	64		0.5	100.0		
19297	200140197 010619	11	< 15	< 10	11		129	50		2.6	100.0		
19298	200140197 010619	65	< 15	< 10	65		146	64		2.3	100.0		

ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 623-6448
FAX (807) 623-6820

Certificate of Analysis

Friday, May 25, 2001

Pacific North West, Capital Corporation
225 Ferndale Ave.
Sudbury, ON, CAN
P3B 3C
Ph#: (705) 674-5888
Fax#: (705) 521-0653, (705) 674-5883
Email:

Date Received : 16-May-01
Date Completed : 25-May-01
Job # 200140178
Reference :
Sample #: 300 Core

Accurassay #	Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
3271	59001	20	21	31				325		169		
3272	59002	13	18	21				306		158		
3273	59003	11	17	15				518		145		
3274	59004	12	< 15	15				559		173		
3275	59005	74	< 15	21				532		189		
3276	59006	29	18	25				864		260		
3277	59007	49	39	37				1670		654		
3278	59008	21	20	29				663		243		
3279	59009	19	15	29				432		197		
3280	59010	15	17	26				530		188		
3281 Check	59010	16	19	24				522		188		
3283	59011	19	< 15	25				293		142		
3284	59012	12	< 15	25				192		127		
3285	59013	16	< 15	25				301		169		
3286	59014	19	21	24				222		137		
3287	59015	20	< 15	26				235		134		
3288	59016	14	27	31				249		142		
3289	59017	30	30	42				392		192		
3290	59018	16	28	34				1151		204		
3291	59019	29	42	40				698		216		
3292 Check	59019	34	59	54				720		222		
3293	59020	22	< 15	42				704		205		
3294	59021	21	< 15	39				266		150		
3295	59022	21	24	38				257		142		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

Certified By:

AL917-0005-05/25/2001 06:08 PM

ASSOCIATION OF THE CHEMICAL PROFESSION OF ONTARIO
CHARTERED
Brian G. Spare, Ph.D
CHEMIST

ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 623-6448
FAX (807) 623-6820

Certificate of Analysis

Friday, May 25, 2001

Pacific North West, Capital Corporation
225 Ferndale Ave.
Sudbury, ON, CAN
P3B 3C
Ph#: (705) 674-5888
Fax#: (705) 521-0653, (705) 674-5883
Email:

Date Received : 16-May-01
Date Completed : 25-May-01
Job # 200140178
Reference :
Sample #: 300 Core

Accurassay #		Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
3296		59023	16	< 15	28				234		136		
3297		59024	30	58	64				328		178		
3298		59025	14	< 15	18				205		223		
3299		59026	6	< 15	20				111		222		
3300		59027	22	< 15	13				8		133		
3301		59028	7	< 15	11				24		164		
3302	Check	59028	6	< 15	13				26		168		
3303		59029	9	23	41				104		218		
3304		59030	25	< 15	26				400		101		
3305		59031	16	52	42				354		276		
3306		59032	164	< 15	22				5461		1073		
3307		59033	16	16	49				70		172		
3308		59034	25	33	60				160		151		
3309		59035	27	< 15	60				258		193		
3310		59036	7	34	19				143		250		
3311		59037	8	35	30				216		147		
3312	Check	59037	8	47	28				210		143		
3313		59038	6	32	26				109		139		
3314		59039	< 5	30	25				125		125		
3315		59040	7	45	25				118		116		
3316		59041	7	34	32				110		119		
3317		59042	11	60	38				155		131		
3318		59043	6	51	40				184		146		
3319		59044	7	55	36				120		127		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

Certified By:

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Job # 200140178
Reference :
Sample #: 300 Core

Accurassay #	Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
3320	59045	7	63	43				133		106		
3321	59046	7	44	38				116		92		
3322 Check	59046	5	56	36				114		90		
3323	59047	8	49	43				164		133		
3324	59048	8	70	49				187		130		
3325	59049	< 5	63	50				131		143		
3326	59050	< 5	63	49				156		139		
3327	59051	7	55	59				128		113		
3328	59052	7	64	56				111		104		
3329	59053	8	57	58				115		103		
3330	59054	14	65	63				106		97		
3331	59055	12	52	59				102		95		
3332 Check	59055	33	33	58				101		96		
3333	59056	5	43	59				112		107		
3334	59057	8	53	89				124		108		
3335	59058	6	55	69				111		97		
3336	59059	< 5	60	80				104		100		
3337	59060	8	56	82				134		120		
3338	59061	7	43	98				174		123		
3339	59062	6	41	80				106		100		
3340	59063	6	40	78				101		96		
3341	59064	11	59	98				136		99		
3342 Check	59064	7	56	104				133		98		
3343	59065	7	30	79				116		91		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

Certified By:

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Date Completed : 25-May-01
Job # 200140178
Reference :
Sample #: 300 Core

Accurassay #	Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
3344	59066	10	29	128				197		122		
3345	59067	50	124	753				1792		710		
3346	59068	7	33	111				198		134		
3347	59069	5	19	51				81		73		
3348	59070	< 5	36	46				82		84		
3349	59071	6	30	47				63		149		
3350	59072	7	41	53				112		94		
3351	59073	7	24	70				113		96		
3352 Check	59073	6	32	57				113		95		
3353	59074	< 5	29	48				80		82		
3354	59075	18	< 15	68				86		85		
3355	59076	13	38	46				62		145		
3356	59077	11	28	58				165		121		
3357	59078	10	< 15	59				256		114		
3358	59079	7	< 15	29				48		85		
3359	59080	< 5	< 15	24				103		84		
3360	59081	< 5	< 15	34				76		82		
3361	59082	5	< 15	29				75		73		
3362 Check	59082	< 5	< 15	20				73		73		
3363	59083	< 5	< 15	17				83		71		
3364	59084	6	< 15	15				66		70		
3365	59085	6	< 15	40				68		78		
3366	59086	< 5	< 15	27				76		73		
3367	59087	< 5	< 15	26				77		71		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

Certified By:

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Certificate of Analysis

Monday, May 28, 2001

Pacific North West, Capital Corporation
225 Ferndale Ave.
Sudbury, ON, CAN
P3B 3C
Ph#: (705) 674-5888
Fax#: (705) 521-0653, (705) 674-5883
Email:

Date Received : 16-May-01
Date Completed : 25-May-01
Job # 200140178
Reference :
Sample #: 300 Core

Accurassay #		Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
3368		59088	6	< 15	16				93		78		
3369		59089	< 5	< 15	15				75		87		
3370		59090	7	17	14				123		155		
3371		59091	7	< 15	16				158		116		
3372	Check	59091	8	< 15	15				163		117		
3373		59092	18	< 15	54				240		198		
3374		59093	121	119	453				1772		608		
3375		59094	126	135	539				2810		835		
3376		59095	207	214	766				4456		1693		
3377		59096	71	64	307				1026		649		
3378		59097	119	137	451				3036		1284		
3379		59098	144	129	603				3842		1584		
3380		59099	118	106	512				1816		1061		
3381		59100	199	138	434				5416		2332		
3382	Check	59100	202	128	411				5239		2276		
3383		59101	5	< 15	13				77		147		
3384		59102	16	< 15	22				619		187		
3385		59103	29	< 15	79				1187		443		
3386		59104	65	57	148				2241		909		
3387		59105	13	< 15	17				168		87		
3388		59106	200	37	227				3276		1339		
3389		59107	7	< 15	25				82		58		
3390		59108	< 5	< 15	10				87		63		
3391		59109	< 5	< 15	11				81		62		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

Certified By:

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1070 LITHIUM DRIVE, UNIT 2
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Certificate of Analysis

Friday, May 25, 2001

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Email:

Date Received : 16-May-01
Date Completed : 25-May-01
Job # 200140178
Reference :
Sample #: 300 Core

Accurassay #		Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
3392	Check	59109	7	< 15	< 10				81		60		
3393		59110	< 5	< 15	12				80		64		
3394		59111	< 5	< 15	13				90		75		
3395		59112	< 5	< 15	10				81		64		
3396		59113	6	< 15	< 10				83		60		
3397		59114	< 5	< 15	18				84		65		
3398		59115	< 5	< 15	< 10				84		58		
3399		59116	< 5	< 15	< 10				101		83		
3400		59117	5	< 15	16				124		93		
3401		59118	7	< 15	< 10				117		76		
3402	Check	59118	6	< 15	12				117		79		
3403		59119	< 5	< 15	< 10				92		58		
3404		59120	17	82	43				88		45		
3405		59121	< 5	< 15	12				90		46		
3406		59122	5	< 15	13				93		53		
3407		59123	< 5	< 15	13				98		50		
3408		59124	6	< 15	13				94		56		
3409		59125	< 5	< 15	10				94		55		
3410		59126	11	< 15	11				175		69		
3411		59127	6	< 15	14				98		73		
3412	Check	59127	7	< 15	13				96		76		
3413		59128	8	30	14				108		71		
3414		59129	9	< 15	< 10				225		93		
3415		59130	5	< 15	12				113		66		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

Certified By:

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CHARTERED CHEMIST

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Date Received : 16-May-01
Date Completed : 25-May-01
Job # 200140178
Reference :
Sample #: 300 Core

Accurassay #	Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
3416	59131	6	< 15	< 10				28		46		
3417	59132	< 5	< 15	< 10				38		45		
3418	59133	19	< 15	22				349		165		
3419	59134	17	< 15	< 10				229		125		
3420	59135	11	< 15	10				227		123		
3421	59136	15	< 15	< 10				439		155		
3422 Check	59136	16	< 15	< 10				437		146		
3423	59137	18	< 15	14				386		173		
3424	59138	16	< 15	< 10				381		183		
3425	59139	10	< 15	< 10				283		149		
3426	59140	21	< 15	16				728		273		
3427	59141	67	37	40				1774		808		
3428	59142	20	28	18				365		174		
3429	59143	25	17	17				372		187		
3430	59144	18	< 15	18				408		186		
3431	59145	19	34	23				247		147		
3432 Check	59145	18	23	23				244		143		
3433	59146	24	21	16				378		175		
3434	59147	22	36	23				360		227		
3435	59148	10	16	31				237		115		
3436	59149	10	30	15				260		132		
3437	59150	9	16	20				254		127		
3438	59151	11	23	23				321		141		
3439	59152	14	< 15	25				328		140		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

Certified By:

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Reference :
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Accurassay #		Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
3440		59153	21	23	27				399		171		
3441		59154	17	28	24				277		131		
3442	Check	59154	17	< 15	23				277		130		
3443		59155	11	28	22				231		113		
3444		59156	16	< 15	24				264		144		
3445		59157	11	17	22				251		140		
3446		59158	13	< 15	24				328		160		
3447		59159	13	< 15	24				246		157		
3448		59160	10	< 15	33				211		149		
3449		59161	15	18	28				287		152		
3450		59162	24	33	29				542		277		
3451		59163	20	52	31				404		183		
3452	Check	59163	18	36	38				406		189		
3453		59164	17	54	35				300		152		
3454		59165	22	35	31				373		176		
3455		59166	16	41	33				386		168		
3456		59167	12	43	27				234		130		
3457		59168	11	< 15	14				189		114		
3458		59169	5	< 15	18				147		104		
3459		59170	8	< 15	14				172		136		
3460		59171	9	23	20				238		150		
3461		59172	< 5	17	< 10				9		63		
3462	Check	59172	< 5	< 15	< 10				9		59		
3463		59173	< 5	< 15	< 10				5		78		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

Certified By:

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ASSOCIATION OF THE CHEMICAL PROFESSION OF ONTARIO
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Brian G. Sparks, Ph.D.
CHEMIST

ACCURASSAY LABORATORIES
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Date Received : 16-May-01
Date Completed : 25-May-01
Job # 200140178
Reference :
Sample #: 300 Core

Accurassay #	Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
3464	59174	< 5	< 15	< 10				6		58		
3465	59175	< 5	< 15	< 10				11		57		
3466	59176	< 5	< 15	< 10				8		60		
3467	59177	< 5	< 15	< 10				10		77		
3468	59178	8	< 15	19				115		100		
3469	59179	8	29	25				117		88		
3470	59180	7	21	31				125		92		
3471	59181	15	< 15	30				205		112		
3472 Check	59181	14	< 15	32				207		113		
3473	59182	12	44	40				133		79		
3474	59183	17	37	36				193		110		
3475	59184	12	31	28				117		86		
3476	59185	12	45	37				128		93		
3477	59186	14	25	41				200		103		
3478	59187	10	23	38				106		58		
3479	59188	13	27	40				120		56		
3480	59189	8	15	37				92		48		
3481	59190	8	42	45				96		55		
3482 Check	59190	8	32	42				94		57		
3483	59191	9	53	34				77		55		
3484	59192	13	32	57				94		66		
3485	59193	7	26	45				85		65		
3486	59194	8	20	40				71		73		
3487	59195	15	41	97				142		113		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

Certified By:

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CERTIFIED
B. Ian G. Spence, Ph.D.
CHEMIST

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3488		59196	7	41	61				106		84		
3489		59197	8	66	90				135		105		
3490		59198	< 5	29	64				79		74		
3491		59199	7	60	64				102		76		
3492	Check	59199	11	56	58				104		78		
3493		59200	8	67	41				73		70		
3494		59201	8	34	45				124		76		
3495		59202	8	40	52				72		74		
3496		59203	7	50	47				80		74		
3497		59204	7	53	54				220		99		
3498		59205	11	42	68				66		91		
3499		59206	11	80	84				99		103		
3500		59207	11	21	78				136		94		
3501		59208	8	53	87				109		91		
3502	Check	59208	10	57	78				107		90		
3503		59209	9	63	68				120		81		
3504		59210	13	51	69				127		89		
3505		59211	9	38	69				102		82		
3506		59212	7	30	57				99		69		
3507		59213	8	40	76				104		89		
3508		59214	9	54	95				166		117		
3509		59215	6	40	71				137		147		
3510		59216	10	34	54				100		161		
3511		59217	11	32	87				112		92		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

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Reference :
Sample #: 300 Core

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3512	Check	59217	12	49	91				114		92		
3513		59218	22	33	148				212		122		
3514		59219	15	17	72				111		80		
3515		59220	13	< 15	90				110		85		
3516		59221	10	19	75				101		71		
3517		59222	7	< 15	71				92		64		
3518		59223	7	25	76				115		81		
3519		59224	7	< 15	55				109		77		
3520		59225	< 5	< 15	47				75		72		
3521		59226	< 5	16	< 10				56		61		
3522	Check	59226	< 5	29	< 10				55		58		
3523		59227	< 5	< 15	< 10				45		54		
3524		59228	< 5	< 15	< 10				31		65		
3525		59229	< 5	< 15	< 10				20		79		
3526		59230	< 5	25	49				87		75		
3527		59231	< 5	25	32				75		62		
3528		59232	< 5	17	32				77		61		
3529		59233	7	33	51				75		70		
3530		59234	11	71	42				102		77		
3531		59235	7	17	67				108		92		
3532	Check	59235	10	23	68				108		92		
3533		59236	< 5	22	27				68		64		
3534		59237	5	< 15	27				62		80		
3535		59238	< 5	22	25				59		62		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

Certified By:

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ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 623-6448
FAX (807) 623-6820

Certificate of Analysis

Friday, May 25, 2001

Pacific North West, Capital Corporation
225 Ferndale Ave.
Sudbury, ON, CAN
P3B 3C
Ph#: (705) 674-5888
Fax#: (705) 521-0653, (705) 674-5883
Email:

Date Received : 16-May-01
Date Completed : 25-May-01
Job # 200140178
Reference :
Sample #: 300 Core

Accurassay #	Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
3536	59239	< 5	19	18				59		61		
3537	59240	< 5	21	43				66		63		
3538	59241	< 5	20	24				69		63		
3539	59242	6	24	22				72		62		
3540	59243	14	80	44				80		72		
3541	59244	< 5	< 15	30				75		80		
3542 Check	59244	< 5	< 15	31				73		81		
3543	59245	< 5	< 15	23				66		67		
3544	59246	< 5	< 15	29				82		70		
3545	59247	< 5	< 15	18				31		74		
3546	59248	< 5	< 15	13				49		60		
3547	59249	< 5	< 15	14				72		68		
3548	59250	< 5	15	18				63		62		
3549	59251	< 5	< 15	25				66		65		
3550	59252	< 5	< 15	22				64		57		
3551	59253	< 5	< 15	22				61		81		
3552 Check	59253	< 5	16	25				61		81		
3553	59254	6	< 15	16				63		73		
3554	59255	6	< 15	23				152		92		
3555	59256	12	< 15	36				272		125		
3556	59257	< 5	< 15	31				65		67		
3557	59258	22	< 15	38				275		140		
3558	59259	< 5	< 15	20				58		91		
3559	59260	< 5	< 15	23				77		70		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

Certified By:

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Brian G. Spratt, Ph.D.
CHEMIST

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Accurassay #		Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
3560		59261	5	< 15	21				196		102		
3561		59262	12	< 15	49				442		291		
3562	Check	59262	16	< 15	53				435		289		
3563		59263	37	17	80				744		415		
3564		59264	79	65	209				2627		869		
3565		59265	19	< 15	40				561		198		
3566		59266	69	28	122				1604		444		
3567		59267	< 5	< 15	16				93		96		
3568		59268	9	< 15	42				192		107		
3569		59269	6	< 15	< 10				136		66		
3570		59270	6	< 15	16				207		51		
3571		59271	< 5	21	< 10				59		57		
3572	Check	59271	< 5	< 15	12				59		58		
3573		59272	< 5	< 15	16				71		54		
3574		59273	< 5	< 15	< 10				76		54		
3575		59274	< 5	19	< 10				84		61		
3576		59275	< 5	25	< 10				87		77		
3577		59276	7	35	< 10				63		91		
3578		59277	6	55	< 10				152		118		
3579		59278	< 5	31	< 10				75		73		
3580		59279	5	38	< 10				99		74		
3581		59280	< 5	30	< 10				90		105		
3582	Check	59280	< 5	< 15	< 10				92		105		
3583		59281	32	< 15	46				78		92		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

Certified By:

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Reference :
Sample #: 300 Core

Accurassay #	Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
3584	59282	12	53	19				112		104		
3585	59283	7	18	< 10				798		525		
3586	59284	11	23	11				202		83		
3587	59285	11	< 15	11				204		86		
3588	59286	< 5	16	< 10				222		70		
3589	59287	< 5	< 15	< 10				90		52		
3590	59288	< 5	< 15	< 10				64		109		
3591	59289	< 5	< 15	< 10				91		56		
3592 Check	59289	< 5	< 15	< 10				94		58		
3593	59290	< 5	< 15	< 10				144		71		
3594	59291	< 5	< 15	< 10				86		66		
3595	59292	7	< 15	< 10				86		71		
3596	59293	< 5	< 15	< 10				92		68		
3597	59294	6	< 15	< 10				90		68		
3598	59295	< 5	< 15	< 10				97		69		
3599	59296	11	< 15	< 10				122		81		
3600	59297	7	< 15	< 10				339		105		
3601	59298	< 5	< 15	< 10				30		32		
3602 Check	59298	6	< 15	< 10				28		29		
3603	59299	< 5	< 15	< 10				12		32		
3604	59300	< 5	< 15	< 10				25		34		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

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Date Received : 24-May-01
Date Completed : 12-Jun-01
Job # 200140197
Reference :
Sample #: 498 Core

Accurassay #	Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
3856	59301	10	48	30				96		76		
3857	59302	11	20	33				120		78		
3858	59303	8	37	29				107		74		
3859	59304	11	49	32				123		82		
3860	59305	11	58	28				119		80		
3861	59306	13	54	29				87		81		
3862	59307	10	48	30				121		81		
3863	59308	19	69	51				211		114		
3864	59309	12	79	43				136		70		
3865	59310	9	84	44				107		72		
3866 Check	59310	9	83	49				110		73		
3867	59311	7	60	36				106		78		
3868	59312	6	55	43				83		78		
3869	59313	6	60	48				62		55		
3870	59314	8	33	48				107		70		
3871	59315	8	19	56				111		76		
3872	59316	6	68	45				74		61		
3873	59317	12	24	58				94		68		
3874	59318	12	< 15	70				118		77		
3875	59319	15	78	39				74		58		
3876 Check	59319	17	46	36				71		56		
3877	59320	< 5	105	60				89		62		
3878	59321	11	111	103				135		86		
3879	59322	6	80	17				136		52		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

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Reference :
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Accurassay #		Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
3880		59323	< 5	54	< 10				70		54		
3881		59324	6	< 15	28				113		60		
3882		59325	212	445	1302				2771		1173		
3883		59326	5	< 15	71				96		75		
3884		59327	42	291	832				696		618		
3885		59328	7	< 15	50				85		62		
3886	Check	59328	12	< 15	52				84		60		
3887		59329	14	66	97				115		71		
3888		59330	< 5	< 15	29				84		54		
3889		59331	65	79	202				1585		498		
3890		59332	< 5	26	39				79		51		
3891		59333	< 5	21	33				62		51		
3892		59334	< 5	40	14				89		58		
3893		59335	< 5	< 15	37				78		57		
3894		59336	< 5	< 15	20				67		56		
3895		59337	< 5	< 15	21				64		52		
3896	Check	59337	< 5	< 15	21				64		52		
3897		59338	< 5	< 15	23				65		50		
3898		59339	< 5	< 15	29				65		55		
3899		59340	20	< 15	21				60		47		
3900		59341	8	< 15	29				60		56		
3901		59342	< 5	< 15	34				88		96		
3902		59343	< 5	< 15	30				74		58		
3903		59344	5	< 15	47				63		59		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

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Date Completed : 12-Jun-01
Job # 200140197
Reference :
Sample #: 498 Core

Accurassay #		Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
3904		59345	< 5	20	32				63		52		
3905		59346	< 5	< 15	16				64		59		
3906	Check	59346	7	< 15	19				63		58		
3907		59347	< 5	< 15	33				65		56		
3908		59348	< 5	< 15	16				68		56		
3909		59349	< 5	24	23				71		57		
3910		59350	< 5	< 15	40				91		66		
3911		59351	< 5	< 15	21				172		101		
3912		59352	12	< 15	27				353		144		
3913		59353	14	< 15	35				377		173		
3914		59354	11	< 15	45				366		156		
3915		59355	< 5	107	12				70		52		
3916	Check	59355	11	114	31				68		51		
3917		59356	79	< 15	105				1793		714		
3918		59357	95	< 15	118				2032		783		
3919		59358	129	31	165				2781		1100		
3920		59359	68	< 15	103				1567		569		
3921		59360	198	127	284				5361		1938		
3922		59361	148	90	189				3609		1270		
3923		59362	79	27	112				1814		664		
3924		59363	83	57	138				1929		771		
3925		59364	76	96	121				1645		638		
3926	Check	59364	72	76	119				1716		640		
3927		59365	46	60	73				892		314		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

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Reference :
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Accurassay #		Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
3928		59366	35	77	62				701		283		
3929		59367	111	114	208				2715		937		
3930		59368	92	111	180				2394		816		
3931		59369	30	91	62				636		243		
3932		59370	39	85	65				1219		345		
3933		59371	< 5	36	15				69		81		
3934		59372	53	203	114				1373		461		
3935		59373	95	242	137				1955		688		
3936	Check	59373	84	230	142				2023		709		
3938		59375	173	214	367				3630		1281		
3939		59376	97	133	252				2261		863		
3940		59377	121	201	325				3120		1168		
3941		59378	151	38	291				3568		1307		
3942		59379	90	45	244				2348		858		
3943		59380	97	62	285				2256		790		
3944		59381	180	151	724				3971		1562		
3945		59382	115	128	546				2296		848		
3946	Check	59382	116	97	524				2368		874		
3947		59383	128	136	608				2475		1027		
3948		59384	40	31	149				751		291		
3949		59385	7	< 15	15				83		44		
3950		59386	8	< 15	15				79		48		
3951		59387	< 5	< 15	13				83		47		
3952		59388	31	< 15	62				808		334		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

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Accurassay #		Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
3953		59389	< 5	< 15	12				89		47		
3954		59390	< 5	< 15	< 10				119		58		
3955		59391	22	< 15	34				396		86		
3956	Check	59391	17	< 15	34				405		87		
3957		59392	7	< 15	14				148		65		
3958		59393	7	26	< 10				86		55		
3959		59394	6	18	< 10				86		44		
3960		59395	6	30	< 10				88		49		
3961		59396	37	< 15	20				78		61		
3962		59397	5	38	< 10				127		77		
3963		59398	7	34	10				89		102		
3964		59399	6	< 15	< 10				34		44		
3965		59400	< 5	< 15	< 10				31		46		
3966	Check	59400	< 5	< 15	< 10				28		43		
3967		59401	10	59	16				97		78		
3968		59402	8	< 15	37				76		84		
3969		59403	< 5	< 15	< 10				72		9		
3970		59404	10	44	26				183		89		
3971		59405	10	27	30				97		73		
3972		59406	9	24	27				99		82		
3973		59407	8	41	32				116		69		
3974		59408	8	43	38				82		96		
3975		59409	18	46	< 10				26		60		
3976	Check	59409	13	48	< 10				25		58		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

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Accurassay #		Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
3977		59410	< 5	46	< 10				28		52		
3978		59411	< 5	47	< 10				39		73		
3979		59412	13	< 15	21				373		222		
3980		59413	47	< 15	49				170		653		
3981		59414	11	469	283				106		218		
3982		59415	15	94	37				52		82		
3983		59416	10	98	52				76		75		
3984		59417	15	56	74				206		89		
3985		59418	30	86	35				39		192		
3986	Check	59418	25	89	29				38		187		
3987		59419	5	< 15	< 10				51		133		
3988		59420	< 5	31	40				22		73		
3989		59421	< 5	47	50				39		76		
3990		59422	16	50	< 10				223		39		
3991		59423	7	54	13				121		52		
3992		59424	12	86	55				190		108		
3993		59425	12	166	181				98		96		
3994		59426	13	127	102				89		103		
3995		59427	7	96	54				113		72		
3996	Check	59427	8	95	47				112		69		
3997		59428	9	< 15	40				72		55		
3998		59429	10	< 15	49				124		77		
3999		59430	8	< 15	36				162		73		
4000		59431	11	51	14				149		61		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

Certified By:

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ASSOCIATION OF THE CHEMICAL PROFESSION OF CANADA
CHARTERED
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Reference :
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Accurassay #		Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
4001		59432	7	23	18				50		61		
4002		59433	6	102	35				47		65		
4003		59434	7	160	139				167		62		
4004		59435	10	106	74				151		91		
4005		59436	8	83	24				58		61		
4006	Check	59436	7	74	31				59		64		
4007		59437	10	104	17				38		51		
4008		59438	14	67	70				130		78		
4009		59439	8	94	16				58		58		
4010		59440	7	80	11				57		53		
4011		59441	< 5	< 15	22				62		58		
4012		59442	< 5	32	16				68		59		
4013		59443	5	< 15	56				81		65		
4014		59444	9	53	35				68		57		
4015		59445	< 5	< 15	26				70		58		
4016	Check	59445	< 5	< 15	24				70		57		
4017		59446	< 5	27	13				66		61		
4018		59447	5	31	26				56		53		
4019		59448	10	< 15	24				57		49		
4020		59449	11	< 15	18				77		57		
4021		59450	10	< 15	21				72		52		
4022		59451	36	< 15	12				54		55		
4023		59452	< 5	< 15	38				66		59		
4024		59453	9	< 15	27				75		66		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

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ASSOCIATION OF THE CHEMICAL PROFESSION OF ONTARIO
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Brian G. Spare, Ph.D
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ACCURASSAY LABORATORIES
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1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 623-6448
FAX (807) 623-6820

Certificate of Analysis

Tuesday, June 19, 2001

Pacific North West, Capital Corporation
225 Ferndale Ave.
Sudbury, ON, CAN
P3B 3C
Ph#: (705) 674-5888
Fax#: (705) 521-0653, (705) 674-5883
Email

Date Received : 24-May-01
Date Completed : 12-Jun-01
Job # 200140197
Reference :
Sample #: 498 Core

Accurassay #		Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
4025		59454	22	< 15	56				292		160		
4026	Check	59454	21	< 15	62				294		155		
4027		59455	64	< 15	31				127		83		
4028		59456	17	< 15	51				170		78		
4029		59457	7	< 15	25				76		56		
4030		59458	85	< 15	84				878		334		
4031		59459	55	< 15	121				1327		542		
4032		59460	41	< 15	83				862		346		
4033		59461	64	< 15	155				1618		616		
4034		59462	76	< 15	164				1813		722		
4035		59463	118	66	246				2599		1050		
4036	Check	59463	116	73	259				2599		1042		
4037		59464	131	123	288				3123		1161		
4038		59465	91	39	252				1953		832		
4039		59466	121	126	323				2708		1176		
4040		59467	95	123	295				3079		1292		
4041		59468	139	63	388				3343		1312		
4042		59469	58	< 15	182				1494		594		
4043		59470	75	54	159				1880		743		
4044		59471	146	109	358				3201		1301		
4045		59472	72	77	217				2005		762		
4046	Check	59472	79	87	204				2048		809		
4047		59473	122	123	316				3185		1252		
4048		59474	137	83	328				3329		1309		

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4049		59475	149	123	418				3657		1490		
4050		59476	144	113	438				3599		1444		
4051		59477	41	82	129				894		332		
4052		59478	141	133	443				3823		1416		
4053		59479	64	88	184				1407		512		
4054		59480	85	126	327				2074		809		
4055		59481	47	67	141				974		389		
4056	Check	59481	42	56	134				970		373		
4057		59482	5	23	28				84		60		
4058		59483	6	17	29				82		64		
4059		59484	6	21	20				81		59		
4060		59485	14	21	22				90		65		
4061		59486	7	< 15	15				83		55		
4062		59487	6	17	17				85		68		
4063		59488	8	19	19				129		74		
4064		59489	6	27	13				80		55		
4065		59490	6	< 15	15				90		54		
4066	Check	59490	7	< 15	14				94		55		
4067		59491	6	18	20				89		53		
4068		59492	< 5	23	17				89		48		
4069		59493	7	16	16				105		53		
4070		59494	20	< 15	34				394		100		
4071		59495	25	26	39				580		114		
4072		59496	8	22	17				160		74		

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4073		59497	6	16	12				96		57		
4074		59498	6	< 15	15				92		51		
4090		59499	6	< 15	12				93		58		
4099	Check	59499	6	< 15	17				96		61		
4100		59500	< 5	< 15	14				93		56		
4101		19001	6	< 15	18				92		74		
4102		19002	7	< 15	14				97		77		
4103		19003	6	28	16				91		68		
4104		19004	11	< 15	< 10				336		100		
4105		19005	35	< 15	< 10				132		49		
4106		19006	7	< 15	< 10				30		43		
4107		19007	48	< 15	< 10				20		72		
4108		19008	38	< 15	< 10				6		130		
4109	Check	19008	39	< 15	< 10				6		132		
4111		19009	176	34	53				93		79		
4114		19010	89	50	159				418		179		
4115		19011	22	40	102				147		109		
4116		19012	510	36	62				123		102		
4117		19013	< 5	29	51				81		71		
4118		19014	< 5	16	66				100		84		
4119		19015	13	35	79				188		126		
4120		19016	53	23	26				140		95		
4121		19017	106	< 15	22				135		85		
4122	Check	19017	113	< 15	16				138		86		

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4123	19018	102	32	57				83		71		
4124	19019	28	30	31				312		108		
4125	19020	8	< 15	27				230		104		
4126	19021	150	28	35				305		122		
4127	19022	152	132	141				101		98		
4128	19023	216	< 15	19				117		69		
4129	19024	389	32	64				266		112		
4130	19025	119	40	108				141		109		
4131	19026	33	34	60				108		79		
4132 Check	19026	34	21	57				113		80		
4133	19027	130	16	23				76		72		
4134	19028	200	21	21				70		88		
4135	19029	171	21	14				76		73		
4136	19030	235	25	46				236		109		
4137	19031	252	32	123				511		220		
4138	19032	118	25	29				233		120		
4139	19033	21	< 15	35				278		123		
4140	19034	115	83	115				2722		1120		
4141	19035	213	35	101				1871		714		
4142 Check	19035	206	52	97				1867		704		
4143	59374	135	52	173				2097		735		
4144	19036	142	53	144				2581		1026		
4145	19037	217	76	178				3855		1644		
4146	19038	688	70	169				2839		1114		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

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4147		19039	191	28	81				1689		649		
4148		19040	24	< 15	24				409		162		
4149		19041	72	31	48				1232		492		
4150		19042	106	44	144				2473		948		
4151		19043	214	69	238				3718		1442		
4152		19044	290	60	189				3417		1400		
4153	Check	19044	268	58	190				3387		1371		
4154		19045	145	59	195				2930		1226		
4155		19046	363	94	263				4201		1798		
4156		19047	254	104	325				5766		2412		
4157		19048	237	101	299				5427		2258		
4158		19049	205	95	258				4883		2034		
4159		19050	138	96	176				3043		1250		
4160		19051	93	50	118				1707		676		
4161		19052	135	37	177				2886		1312		
4162		19053	197	34	117				1665		707		
4163	Check	19053	182	39	123				1756		744		
4164		19054	159	66	168				2770		1193		
4165		19055	65	< 15	14				162		94		
4166		19056	47	18	76				809		379		
4167		19057	48	23	56				580		263		
4168		19058	71	50	134				1197		518		
4169		19059	204	160	364				3736		1641		
4170		19060	213	126	290				4032		1692		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

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Job # 200140197
Reference :
Sample #: 498 Core

Accurassay #		Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
4171		19061	416	137	481				4921		2192		
4172		19062	474	96	287				2980		1137		
4173	Check	19062	520	94	304				2967		1134		
4174		19063	118	59	151				2182		714		
4175		19064	533	114	323				3600		1417		
4176		19065	231	122	390				4089		1717		
4177		19066	631	205	712				5751		2346		
4178		19067	287	182	726				5870		2308		
4179		19068	260	208	727				4451		1784		
4180		19069	279	161	596				4024		1768		
4181		19070	212	144	671				3898		1548		
4182		19071	101	87	680				2971		1205		
4183	Check	19071	95	101	676				3064		1241		
4186		19072	201	100	597				2772		1187		
4187		19073	220	160	735				3357		1433		
4188		19074	288	89	420				2033		896		
4189		19075	140	74	278				1596		590		
4190		19076	29	18	46				194		102		
4191		19077	212	< 15	26				99		78		
4192		19078	26	18	22				87		111		
4193		19079	63	21	17				90		91		
4194	Check	19079	62	25	18				86		87		
4195		19080	56	22	13				99		96		
4196		19081	14	42	24				98		90		

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4197	19082	49	34	23				102		76		
4198	19083	37	37	16				96		70		
4199	19084	8	38	13				92		76		
4200	19085	12	31	16				101		67		
4201	19086	39	17	23				106		66		
4202	19087	34	24	17				106		67		
4203	19088	192	16	64				132		78		
4204 Check	19088	210	29	70				118		72		
4205	19089	22	33	16				97		72		
4206	19090	11	24	18				102		76		
4207	19091	43	57	17				84		68		
4208	19092	53	< 15	13				83		98		
4209	19093	231	< 15	21				120		101		
4210	19094	39	25	18				83		100		
4211	19095	42	< 15	17				93		110		
4212	19096	15	< 15	< 10				188		97		
4213	19097	18	22	< 10				52		52		
4214 Check	19097	17	16	< 10				50		52		
4215	19098	123	< 15	< 10				22		49		
4216	19099	56	< 15	< 10				30		55		
4217	19100	129	< 15	< 10				18		51		
4218	19101	35	< 15	< 10				625		259		
4219	19102	121	< 15	< 10				772		217		
4220	19103	36	18	< 10				1107		377		

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4221	19104	45	37	23				1040		318		
4222	19105	31	18	17				621		224		
4223	19106	47	< 15	21				979		350		
4224 Check	19106	43	18	15				948		341		
4225	19107	25	< 15	16				582		187		
4226	19108	51	< 15	26				1081		387		
4227	19109	59	< 15	27				1488		513		
4228	19110	105	37	62				4103		1415		
4229	19111	34	< 15	25				1293		373		
4230	19112	24	< 15	28				908		335		
4231	19113	25	36	28				970		354		
4232	19114	41	36	29				1334		395		
4233	19115	88	28	22				1460		544		
4234 Check	19115	80	34	19				1500		557		
4235	19116	34	17	28				2320		536		
4236	19117	68	54	48				2889		1225		
4237	19118	161	63	41				2627		1015		
4238	19119	43	38	26				732		504		
4239	19120	84	18	23				1556		532		
4240	19121	108	63	49				3590		853		
4241	19122	152	65	64				4608		997		
4242	19123	51	36	30				1641		412		
4243	19124	54	37	26				1702		354		
4244 Check	19124	52	37	28				1670		342		

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4245	19125	86	54	39				2157		667		
4246	19126	51	36	28				1276		347		
4247	19127	22	22	27				362		247		
4248	19128	22	31	74				544		273		
4249	19129	461	115	135				1122		558		
4250	19130	406	69	47				1429		564		
4251	19131	106	38	45				692		369		
4252	19132	181	68	40				598		240		
4253	19133	442	150	183				541		977		
4254 Check	19133	480	170	186				516		958		
4255	19134	107	132	100				215		670		
4256	19135	49	243	208				116		338		
4257	19136	23	157	129				116		282		
4258	19137	66	213	289				371		261		
4259	19138	147	253	288				347		819		
4260	19139	336	143	98				1135		732		
4261	19140	675	190	240				8689		1238		
4262	19141	290	213	162				6608		1059		
4263	19142	197	76	74				1359		372		
4264 Check	19142	202	90	78				1343		364		
4265	19143	92	76	59				847		341		
4266	19144	94	102	79				1617		671		
4267	19145	83	70	44				1194		351		
4268	19146	40	63	38				1040		433		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

Certified By:

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ASSOCIATION OF THE CHEMICAL PROFESSION OF ONTARIO
CHARTERED
Brian G. Spare, Ph.D
CHEMIST

ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.

1070 LITHIUM DRIVE, UNIT 2
THUNDER BAY, ONTARIO P7B 6G3
PHONE (807) 623-6448
FAX (807) 623-6820

Certificate of Analysis

Tuesday, June 19, 2001

Pacific North West, Capital Corporation
225 Ferndale Ave.
Sudbury, ON, CAN
P3B 3C
Ph#: (705) 674-5888
Fax#: (705) 521-0653, (705) 674-5883
Email

Date Received : 24-May-01
Date Completed : 12-Jun-01
Job # 200140197
Reference :
Sample #: 498 Core

Accurassay #	Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
4269	19147	62	110	87				1932		450		
4270	19148	60	47	36				1035		162		
4271	19149	41	50	21				1057		197		
4272	19150	40	49	14				1231		160		
4273	19151	45	50	25				1265		184		
4274 Check	19151	45	47	15				1293		189		
4275	19152	45	34	15				989		162		
4276	19153	86	44	33				1182		202		
4277	19154	55	107	57				1118		239		
4278	19155	69	58	43				1390		342		
4279	19156	91	167	101				620		371		
4280	19157	119	101	78				195		190		
4281	19158	51	280	170				342		742		
4282	19159	63	296	144				192		694		
4283	19160	351	517	735				3339		978		
4284 Check	19160	394	510	754				3471		1023		
4285	19161	61	132	139				694		173		
4286	19162	19	36	23				76		72		
4287	19163	15	35	26				56		67		
4288	19164	19	35	23				56		65		
4289	19165	24	34	32				69		72		
4290	19166	17	35	15				51		62		
4291	19167	30	27	35				52		62		
4292	19168	24	37	32				51		77		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

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Job # 200140197
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Sample #: 498 Core

Accurassay #		Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
4293		19169	99	19	18				45		80		
4294	Check	19169	104	26	27				47		82		
4295		19170	49	29	21				49		71		
4296		19171	32	29	17				54		70		
4297		19172	19	< 15	16				56		76		
4298		19173	9	42	28				51		76		
4299		19174	9	27	13				51		69		
4300		19175	16	20	27				50		78		
4301		19176	5	25	34				41		88		
4302		19177	5	19	26				48		71		
4303		19178	10	23	25				66		65		
4304	Check	19178	13	20	23				65		65		
4305		19179	7	31	23				63		63		
4306		19180	7	37	24				62		72		
4307		19181	6	26	42				66		62		
4308		19182	7	39	19				64		52		
4309		19183	16	26	25				57		55		
4310		19184	6	28	16				63		56		
4311		19185	16	22	18				65		47		
4312		19186	186	15	27				69		49		
4313		19187	34	16	17				70		50		
4314	Check	19187	27	19	19				68		59		
4315		19188	88	66	212				1607		673		
4316		19189	94	81	203				1660		629		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

Certified By:

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ASSOCIATION OF CHEMICAL PROFESSIONALS OF ONTARIO
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John G. Sparc, Ph.D
CHEMIST

ACCURASSAY LABORATORIES
A DIVISION OF ASSAY LABORATORY SERVICES INC.

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Date Received : 24-May-01
Date Completed : 12-Jun-01
Job # 200140197
Reference :
Sample #: 498 Core

Accurassay #	Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
4317	19190	26	43	44				272		131		
4318	19191	5	18	11				77		62		
4319	19192	< 5	< 15	16				85		74		
4320	19193	8	< 15	12				84		53		
4321	19194	< 5	18	18				82		66		
4322	19195	8	< 15	12				77		67		
4323	19196	8	< 15	14				90		65		
4324 Check	19196	7	< 15	13				91		62		
4325	19197	14	25	46				429		349		
4326	19198	19	52	43				171		100		
4327	19199	37	23	11				87		55		
4328	19200	29	25	< 10				100		74		
4329	19201	55	< 15	< 10				184		69		
4330	19202	23	< 15	< 10				104		48		
4331	19203	15	< 15	< 10				30		46		
4332	19204	11	< 15	< 10				20		31		
4333	19205	9	< 15	< 10				44		47		
4334 Check	19205	9	< 15	< 10				42		59		
4335	19206	< 5	< 15	< 10				24		44		
4336	19207	6	< 15	< 10				35		50		
4337	19208	8	< 15	< 10				53		40		
4338	19209	18	55	29				96		95		
4339	19210	17	52	39				115		81		
4340	19211	< 5	61	52				8		137		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

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Job # 200140197
Reference :
Sample #: 498 Core

Accurassay #	Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
4341	19212	13	44	41				120		87		
4342	19213	18	52	60				202		124		
4343	19214	16	48	64				166		95		
4344 Check	19214	19	54	61				156		104		
4345	19215	14	47	49				98		73		
4346	19216	12	42	39				87		84		
4347	19217	< 5	44	54				13		122		
4348	19218	15	56	52				75		65		
4349	19219	12	40	52				68		70		
4350	19220	< 5	41	37				16		91		
4351	19221	8	35	38				69		74		
4352	19222	13	54	60				78		68		
4353	19223	< 5	87	80				6		145		
4354 Check	19223	< 5	64	72				6		154		
4355	19224	10	38	86				121		93		
4356	19225	16	49	143				248		128		
4357	19226	< 5	55	75				99		95		
4358	19227	< 5	47	62				79		81		
4359	19228	8	31	60				88		85		
4360	19229	< 5	46	55				14		136		
4361	19230	7	43	58				117		76		
4362	19231	22	93	333				603		241		
4363	19232	7	30	48				80		65		
4364 Check	19232	< 5	27	48				82		72		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

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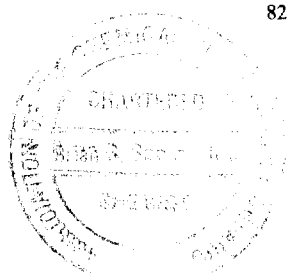

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Date Completed : 12-Jun-01
Job # 200140197
Reference :
Sample #: 498 Core

Accurassay #	Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
4365	19233	17	27	52				107		89		
4366	19234	28	244	1277				182		635		
4367	19235	10	30	73				124		88		
4368	19236	27	52	228				383		212		
4369	19237	9	19	47				140		90		
4370	19238	< 5	25	47				15		129		
4371	19239	7	20	36				80		76		
4372	19240	< 5	< 15	48				80		70		
4373	19241	18	16	50				87		80		
4374 Check	19241	18	26	47				88		84		
4375	19242	< 5	18	27				24		179		
4376	19243	16	< 15	33				169		124		
4377	19244	12	21	51				258		194		
4378	19245	31	16	43				868		337		
4379	19246	42	64	135				1734		1286		
4380	19247	62	72	105				2003		898		
4381	19248	34	51	65				843		341		
4382	19249	57	60	75				1565		569		
4383	19250	19	44	90				764		353		
4384 Check	19250	24	49	86				750		356		
4385	19251	14	18	34				72		103		
4386	19252	16	< 15	24				89		84		
4387	19253	14	22	56				242		105		
4388	19254	19	30	151				1101		186		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

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Date Received : 24-May-01
Date Completed : 12-Jun-01
Job # 200140197
Reference :
Sample #: 498 Core

Accurassay #		Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
4389		19255	80	< 15	75				137		88		
4390		19256	8	< 15	21				78		74		
4391		19257	8	< 15	31				124		96		
4392		19258	12	54	27				125		98		
4393		19259	9	26	21				15		149		
4394	Check	19259	7	26	14				14		142		
4395		19260	< 5	24	19				5		136		
4396		19261	20	34	18				94		75		
4397		19262	10	16	14				77		70		
4398		19263	12	39	32				59		79		
4399		19264	9	30	33				87		72		
4400		19265	7	28	27				70		72		
4401		19266	6	28	41				100		77		
4402		19267	10	21	16				78		64		
4403		19268	20	21	18				149		71		
4404	Check	19268	20	24	11				147		68		
4405		19269	11	< 15	16				93		61		
4406		19270	8	17	12				55		55		
4407		19271	16	26	15				102		61		
4408		19272	185	24	18				101		58		
4409		19273	14	17	16				104		59		
4410		19274	12	18	12				121		72		
4411		19275	11	40	18				132		72		
4412		19276	17	< 15	< 10				143		60		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

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Job # 200140197
Reference :
Sample #: 498 Core

Accurassay #		Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
4413		19277	10	19	12				119		58		
4414	Check	19277	9	28	12				125		60		
4415		19278	10	26	14				124		60		
4416		19279	17	20	12				232		69		
4417		19280	6	< 15	< 10				147		71		
4418		19281	8	< 15	< 10				105		73		
4419		19282	16	< 15	< 10				110		77		
4420		19283	5	< 15	< 10				126		61		
4421		19284	9	< 15	< 10				134		61		
4422		19285	5	< 15	< 10				145		72		
4423		19286	6	< 15	< 10				149		67		
4424	Check	19286	6	< 15	< 10				148		63		
4425		19287	6	< 15	< 10				154		67		
4426		19288	< 5	< 15	< 10				166		64		
4427		19289	10	< 15	< 10				137		63		
4428		19290	12	< 15	< 10				172		74		
4429		19291	< 5	< 15	< 10				142		58		
4430		19292	133	< 15	< 10				139		55		
4431		19293	73	< 15	< 10				154		61		
4432		19294	54	< 15	< 10				138		89		
4433		19295	45	< 15	< 10				142		62		
4434	Check	19295	44	< 15	< 10				133		72		
4435		19296	25	< 15	< 10				33		64		
4436		19297	11	< 15	< 10				129		50		

PROCEDURE CODES: AL4APP, AL4Cu, AL4Ni

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Accurassay #	Client Id	Au ppb	Pt ppb	Pd ppb	Rh ppb	Ag ppm	Co ppm	Cu ppm	Fe ppm	Ni ppm	Pb ppm	Zn ppm
4437	19298	65	< 15	< 10				146		64		

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APPENDIX IV

Miscellaneous Plots

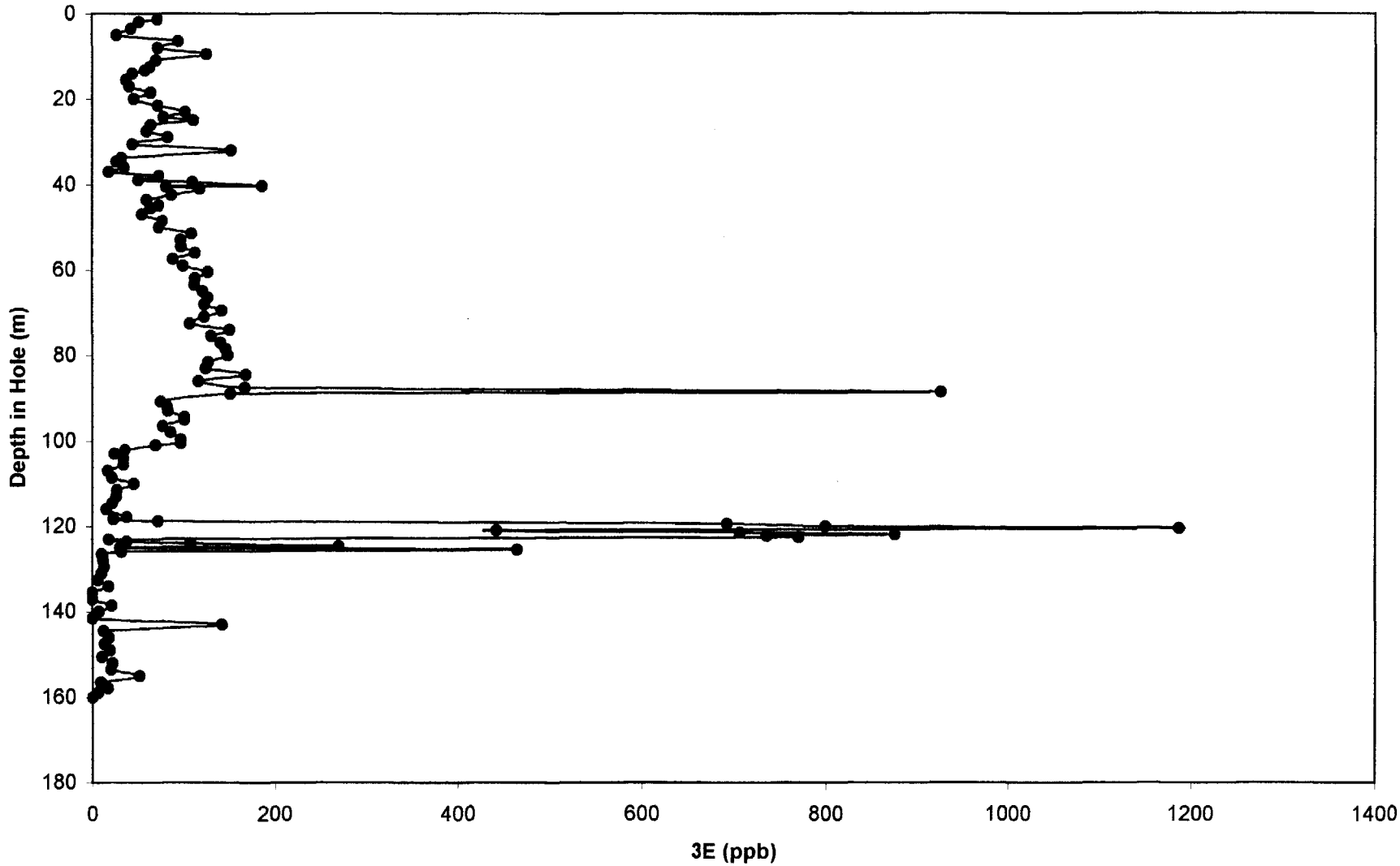
:Depth (m) vs Total PGM (3E)

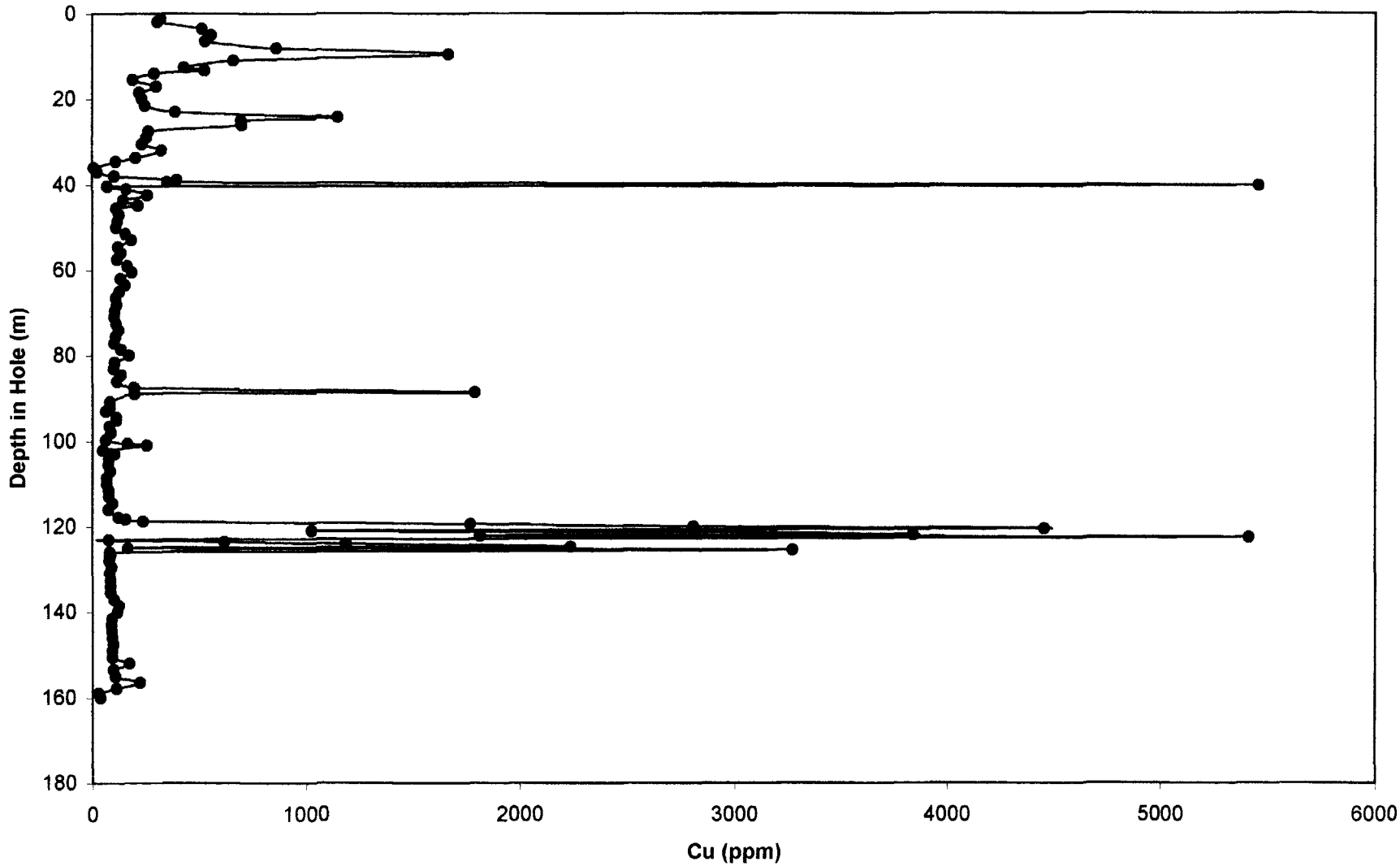
:Depth (m) vs Copper

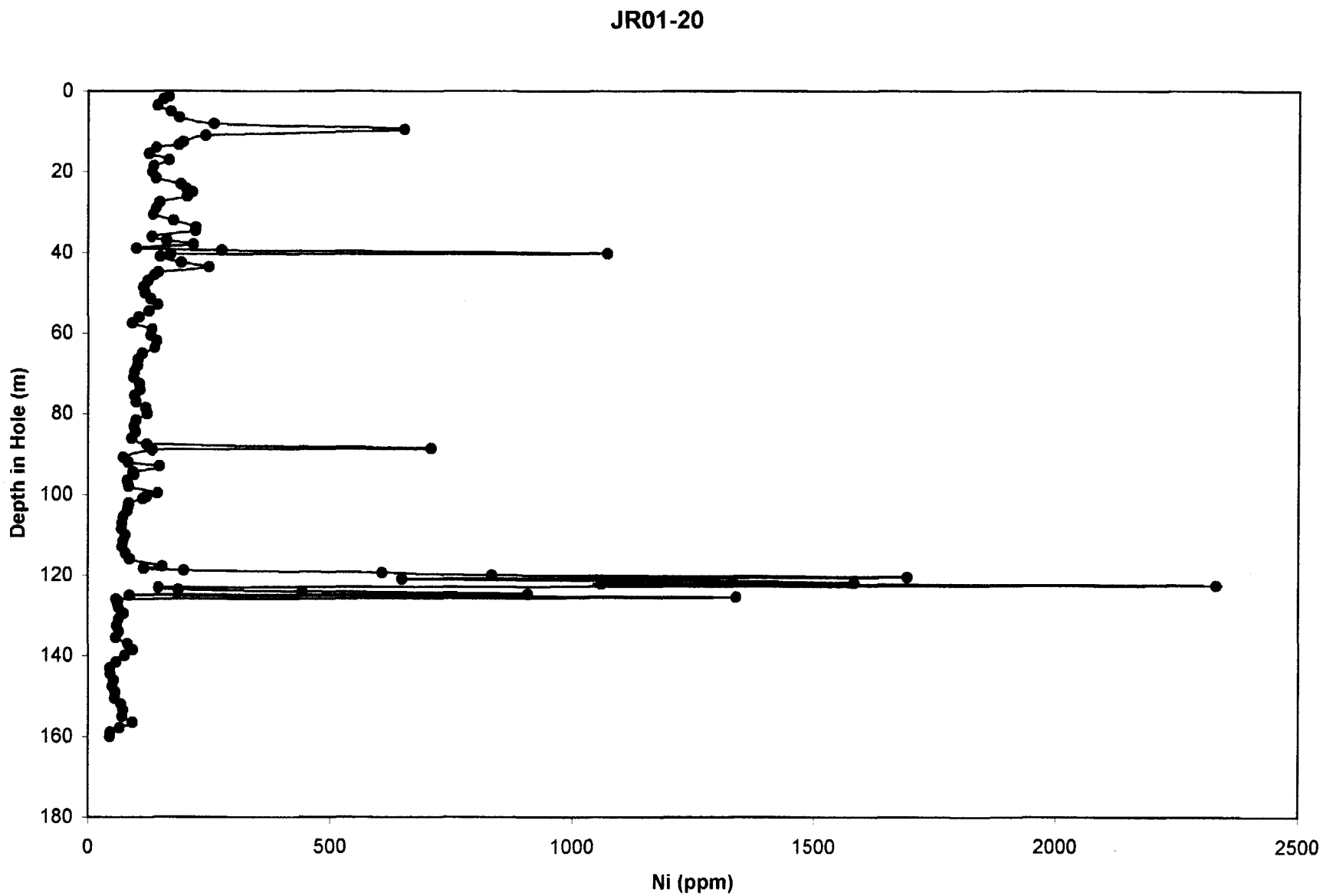
:Depth (m) vs Nickel

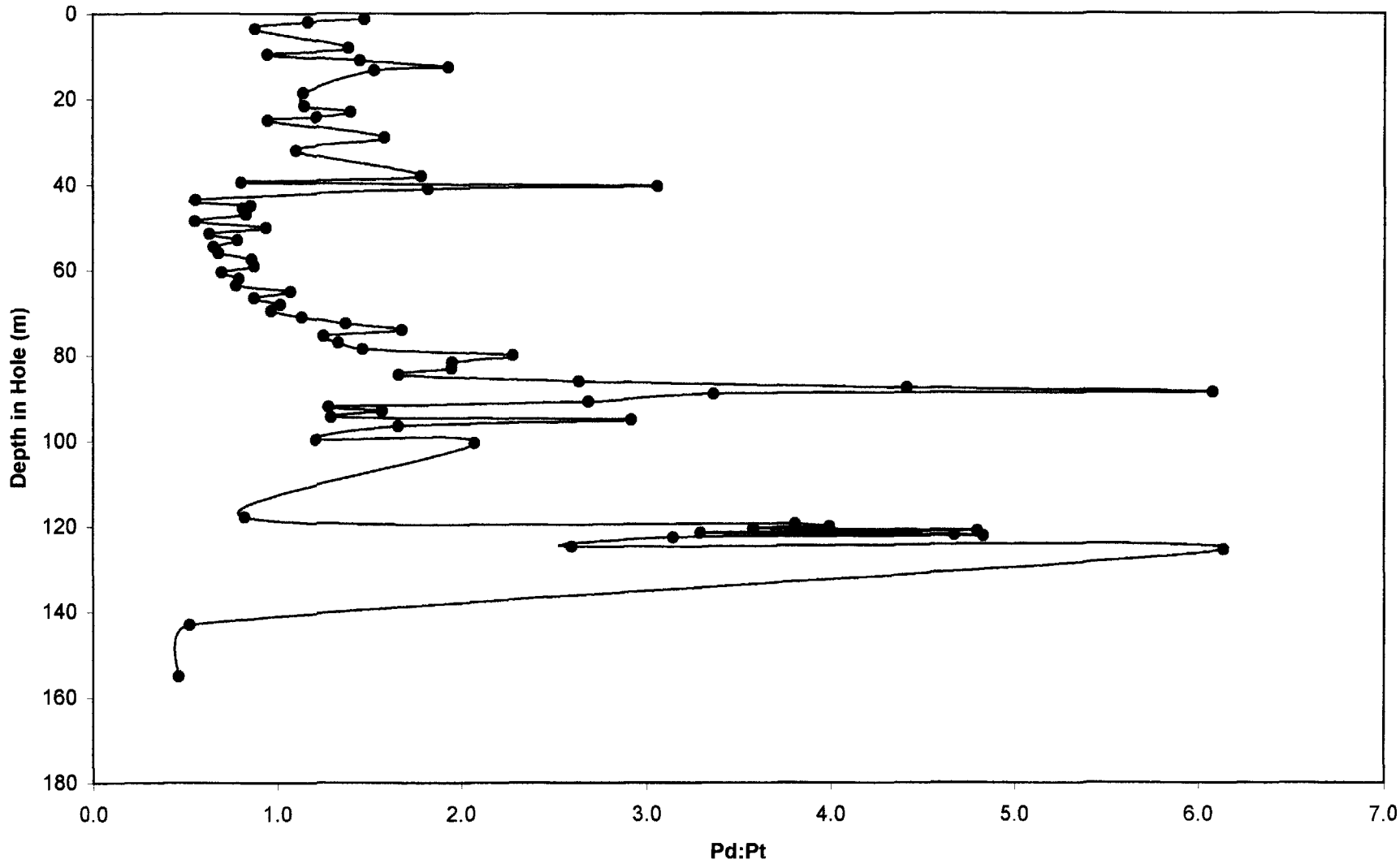
:Depth (m) vs Pd:Pt ratio

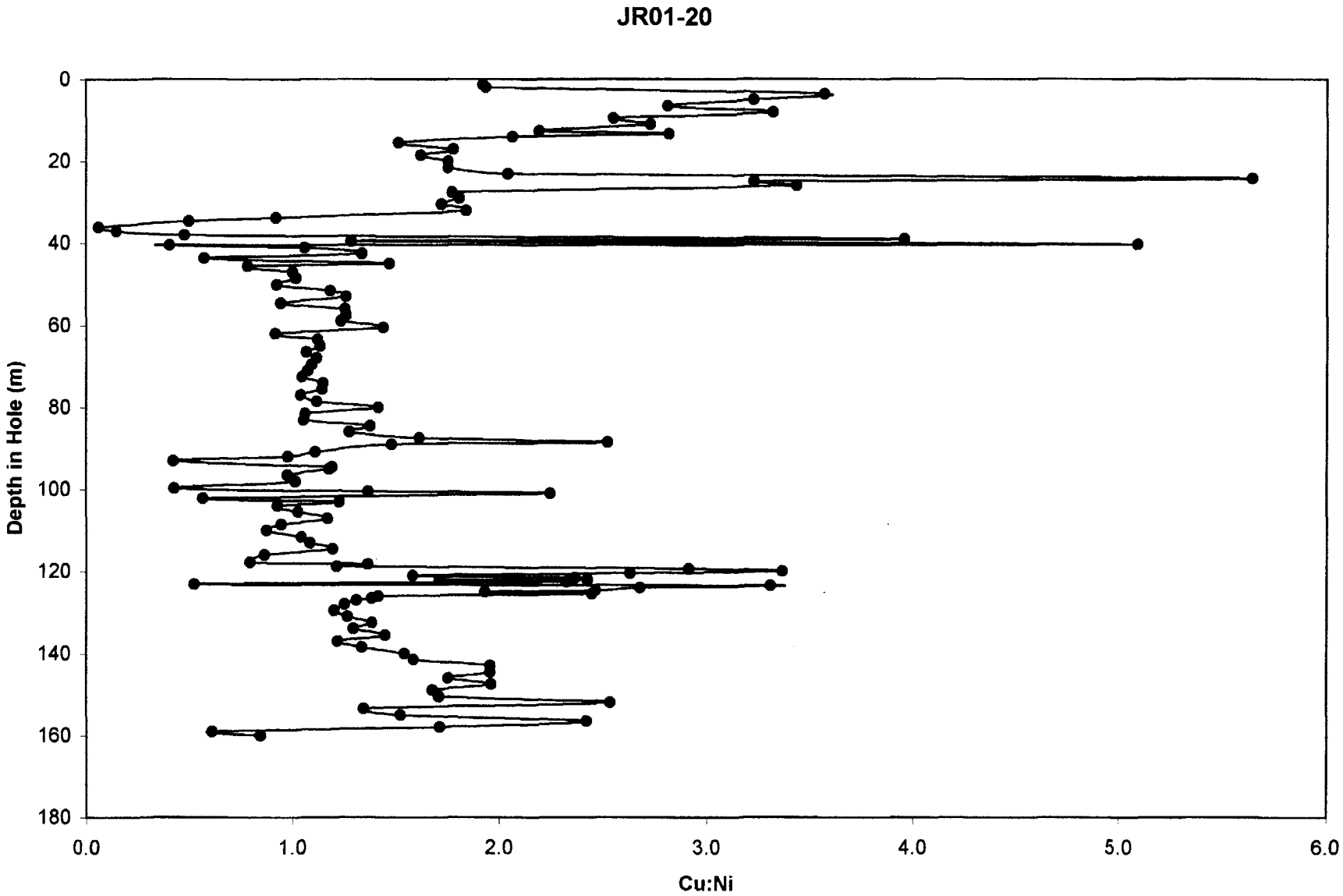
:Depth (m) vs Cu:Ni ratio

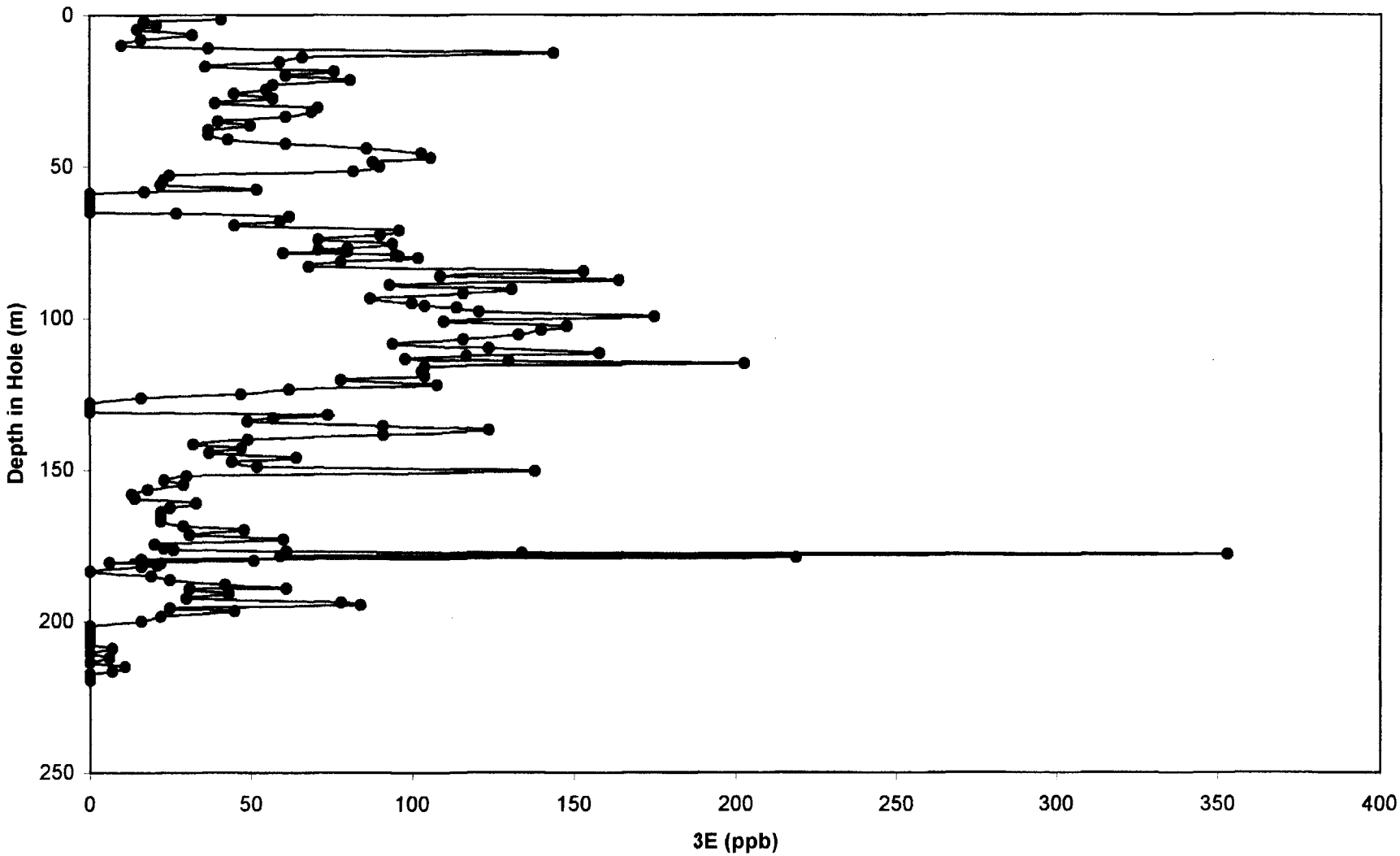

JR01-20
Depth in Hole (m)
0
20
40
60
80
100
120
140
160
180
0
200
400
600
800
1000
1200
1400
3E (ppb)

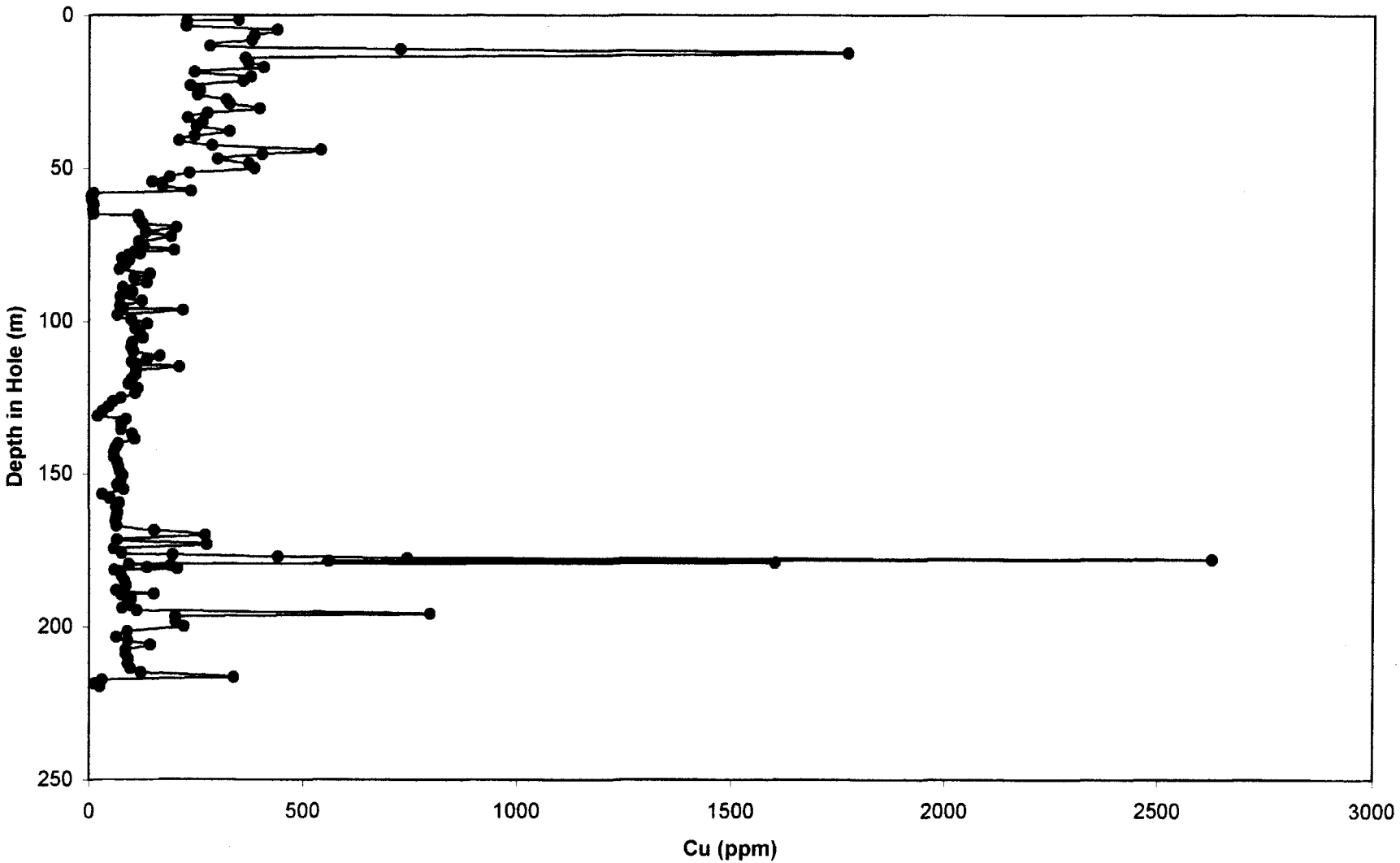

JR01-20
Depth in Hole (m)
0
20
40
60
80
100
120
140
160
180
0
1000
2000
3000
4000
5000
6000
Cu (ppm)

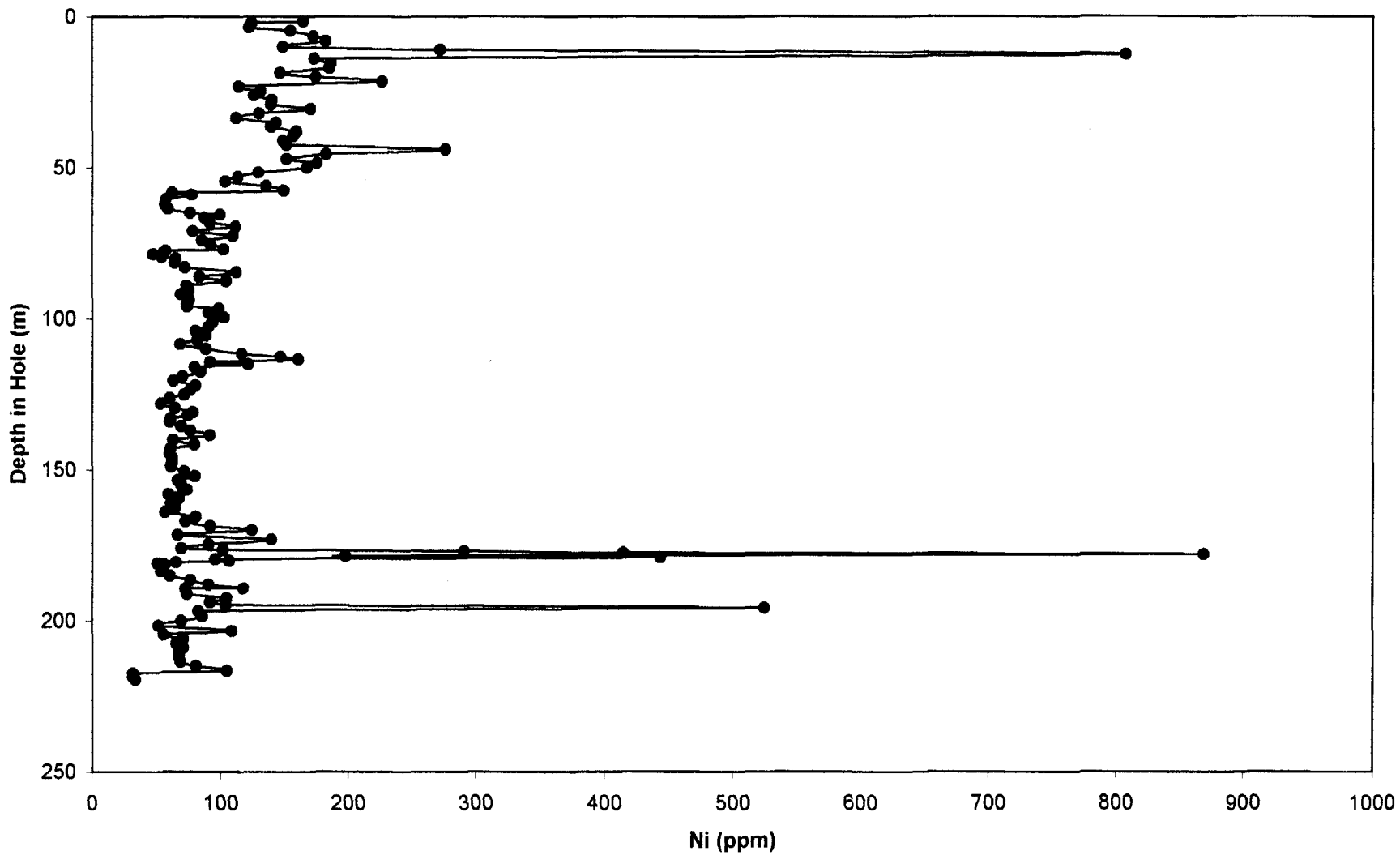

JR01-20
Depth in Hole (m)
0
20
40
60
80
100
120
140
160
180
0
500
1000
1500
2000
2500
Ni (ppm)

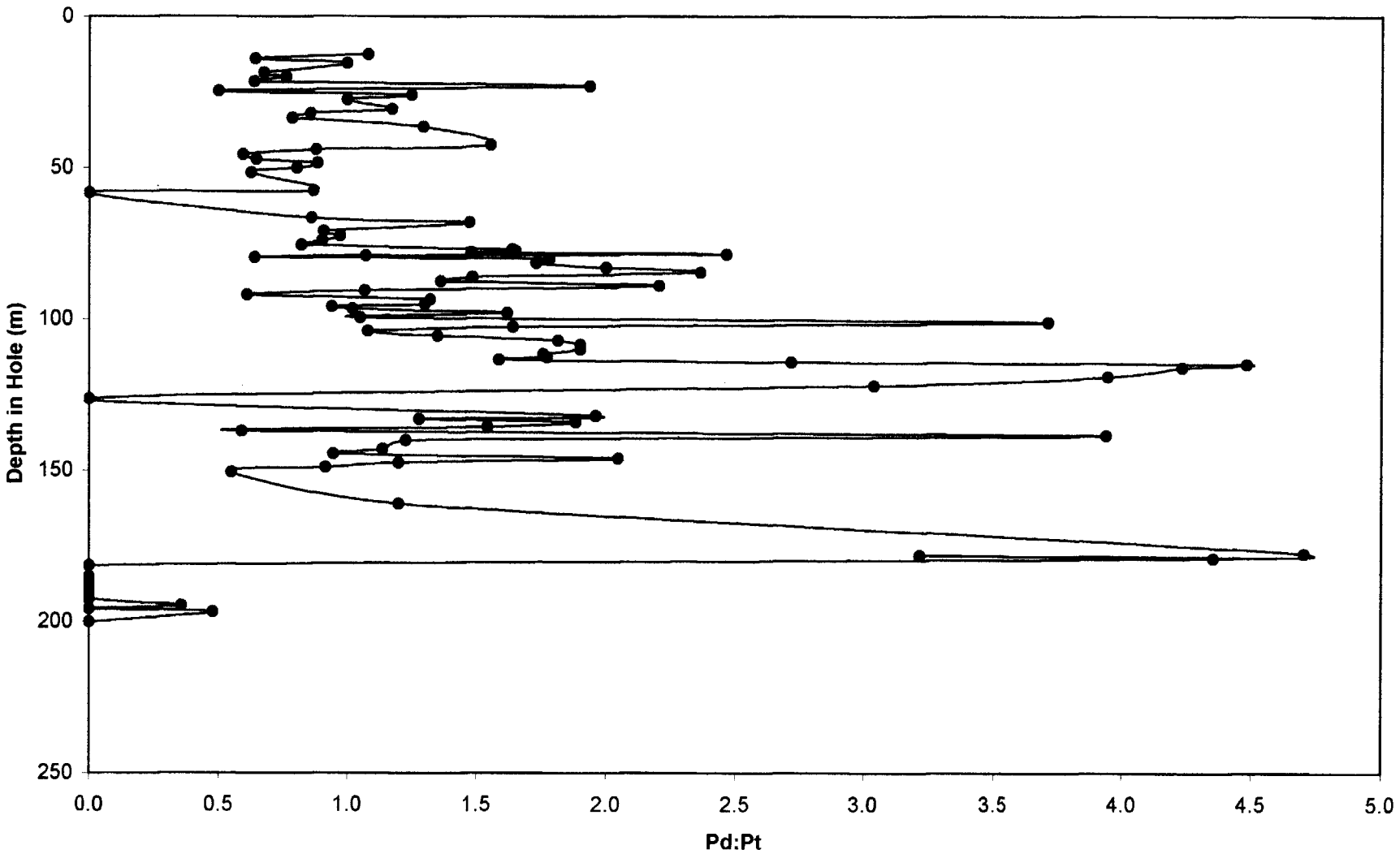

JR01-20
Depth in Hole (m)
0
20
40
60
80
100
120
140
160
180
0.0
1.0
2.0
3.0
4.0
5.0
6.0
7.0
Pd:Pt

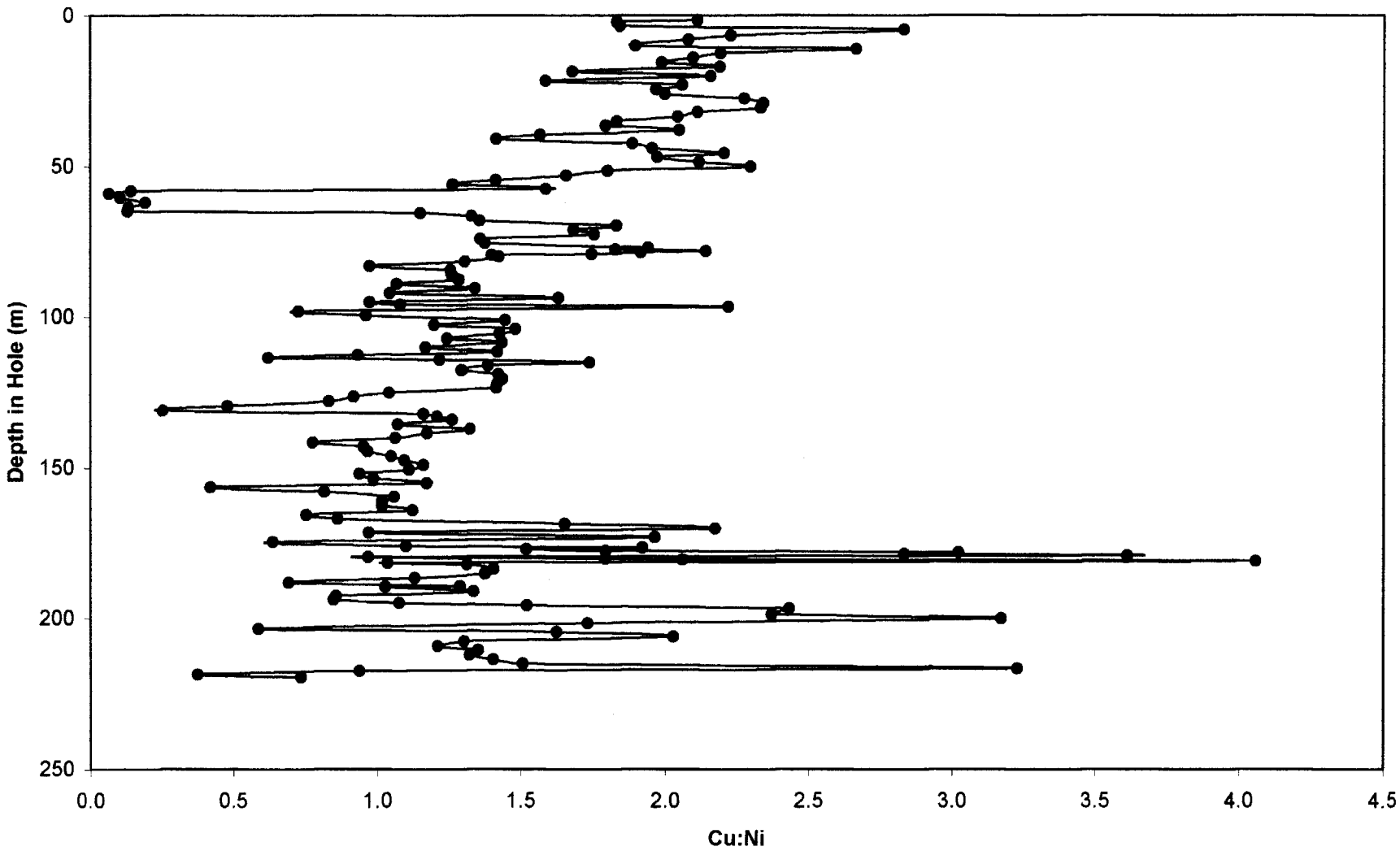

JR01-20
Depth in Hole (m)
0
20
40
60
80
100
120
140
160
180
0.0
1.0
2.0
3.0
4.0
5.0
6.0
Cu:Ni

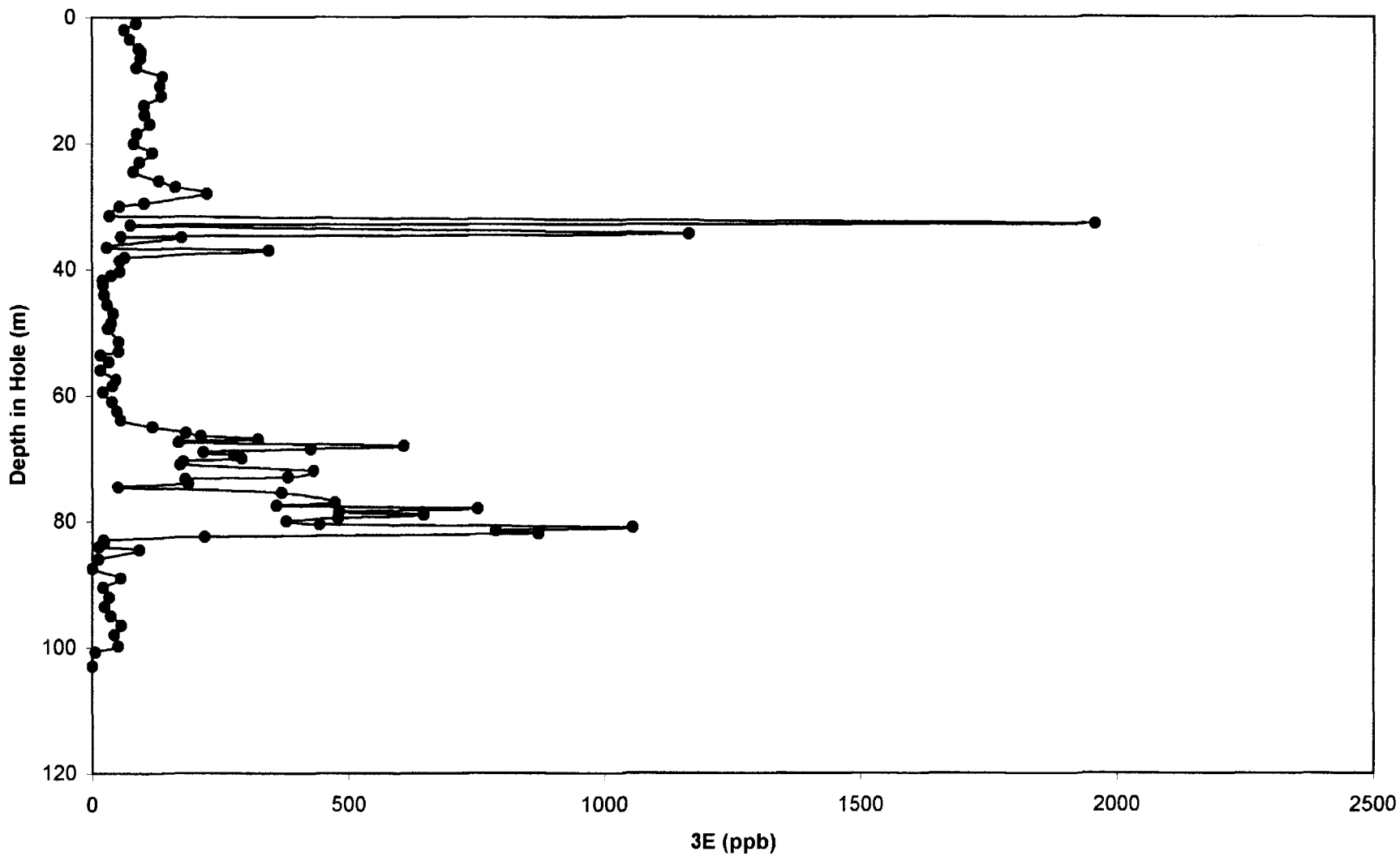

JR01-21
Depth in Hole (m)
0
50
100
150
200
250
0
50
100
150
200
250
300
350
400
3E (ppb)

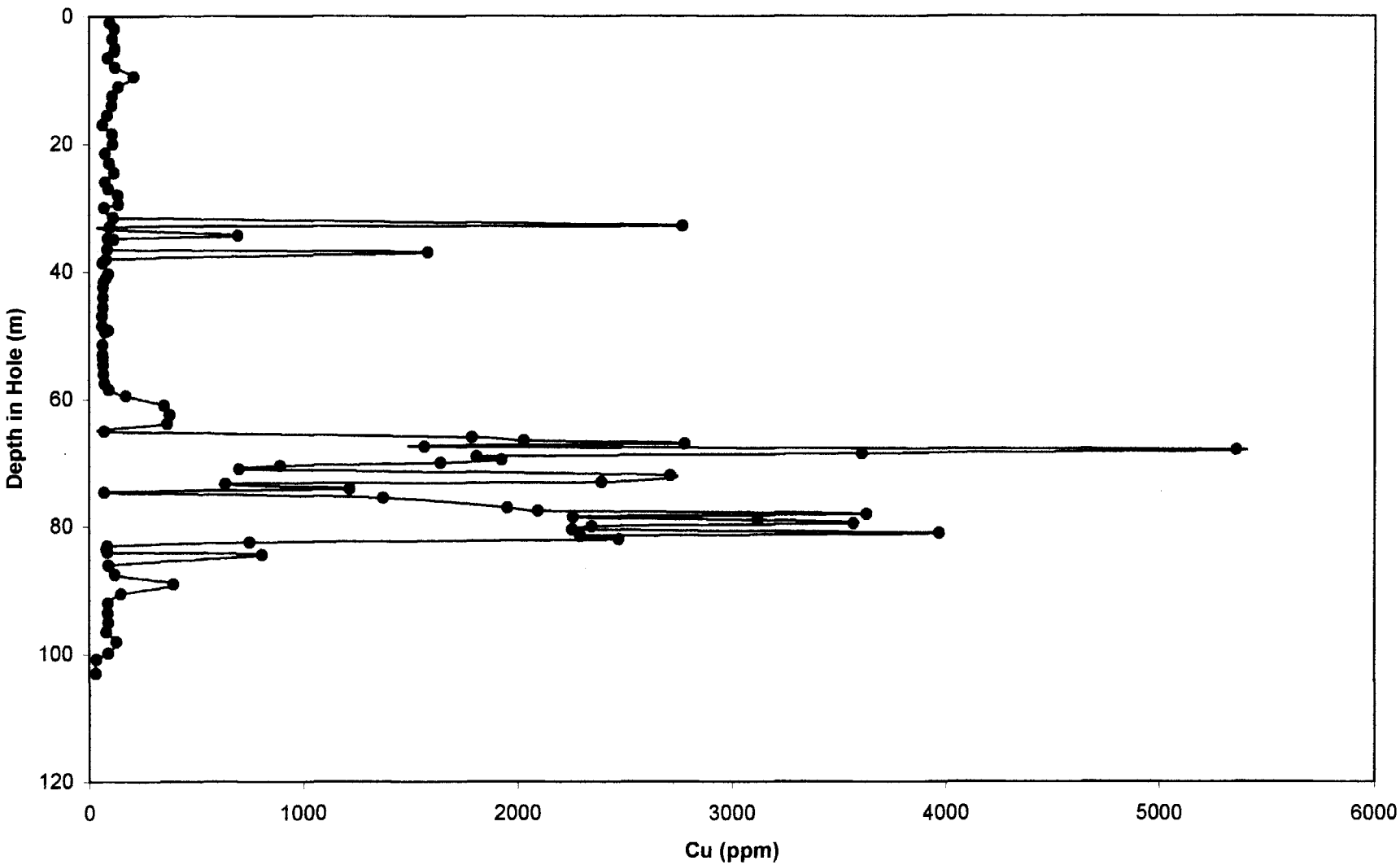

JR01-21
Depth in Hole (m)
0
50
100
150
200
250
0
500
1000
1500
2000
2500
3000
Cu (ppm)

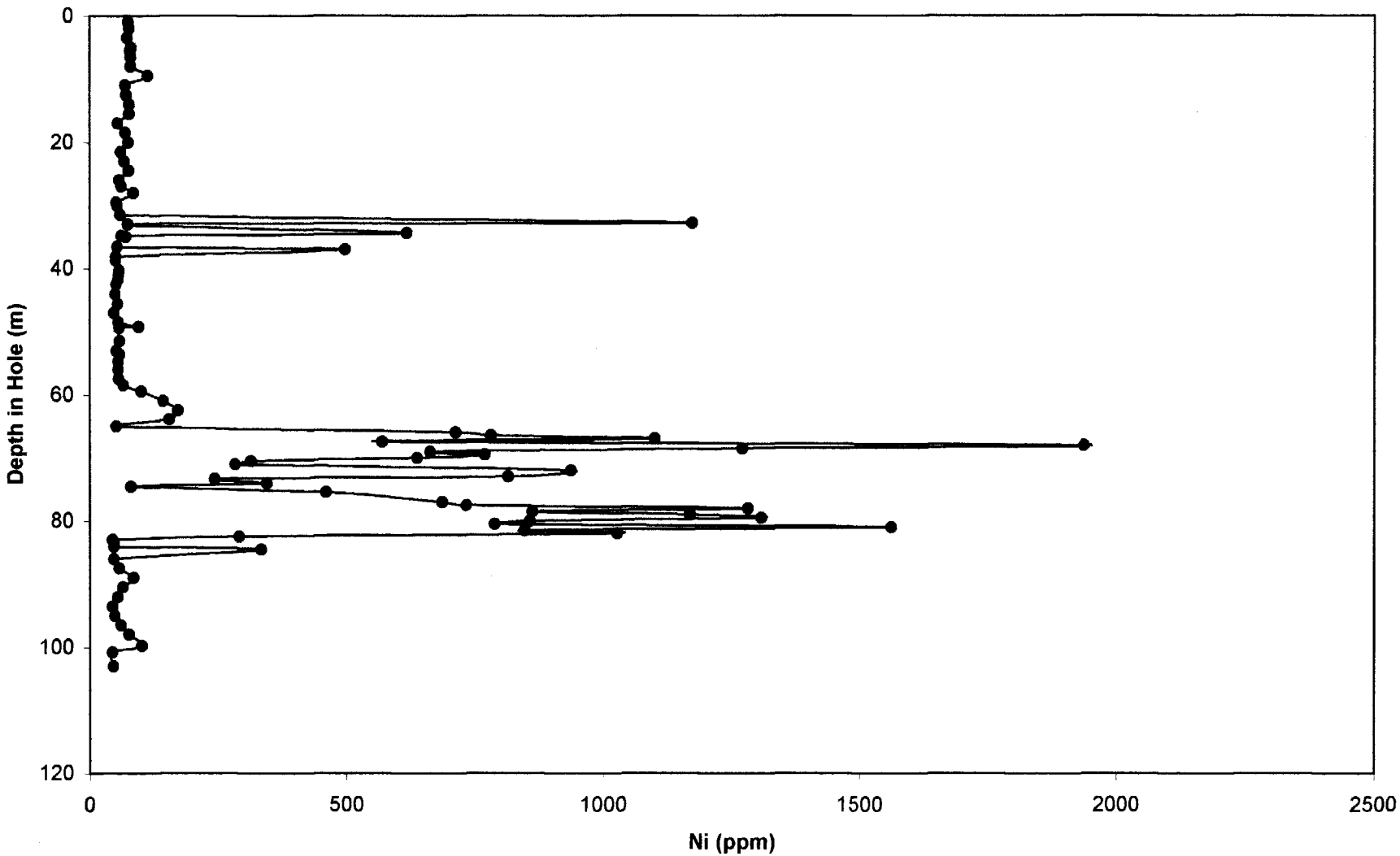

JR01-21
Depth in Hole (m)
0
50
100
150
200
250
0
100
200
300
400
500
600
700
800
900
1000
Ni (ppm)

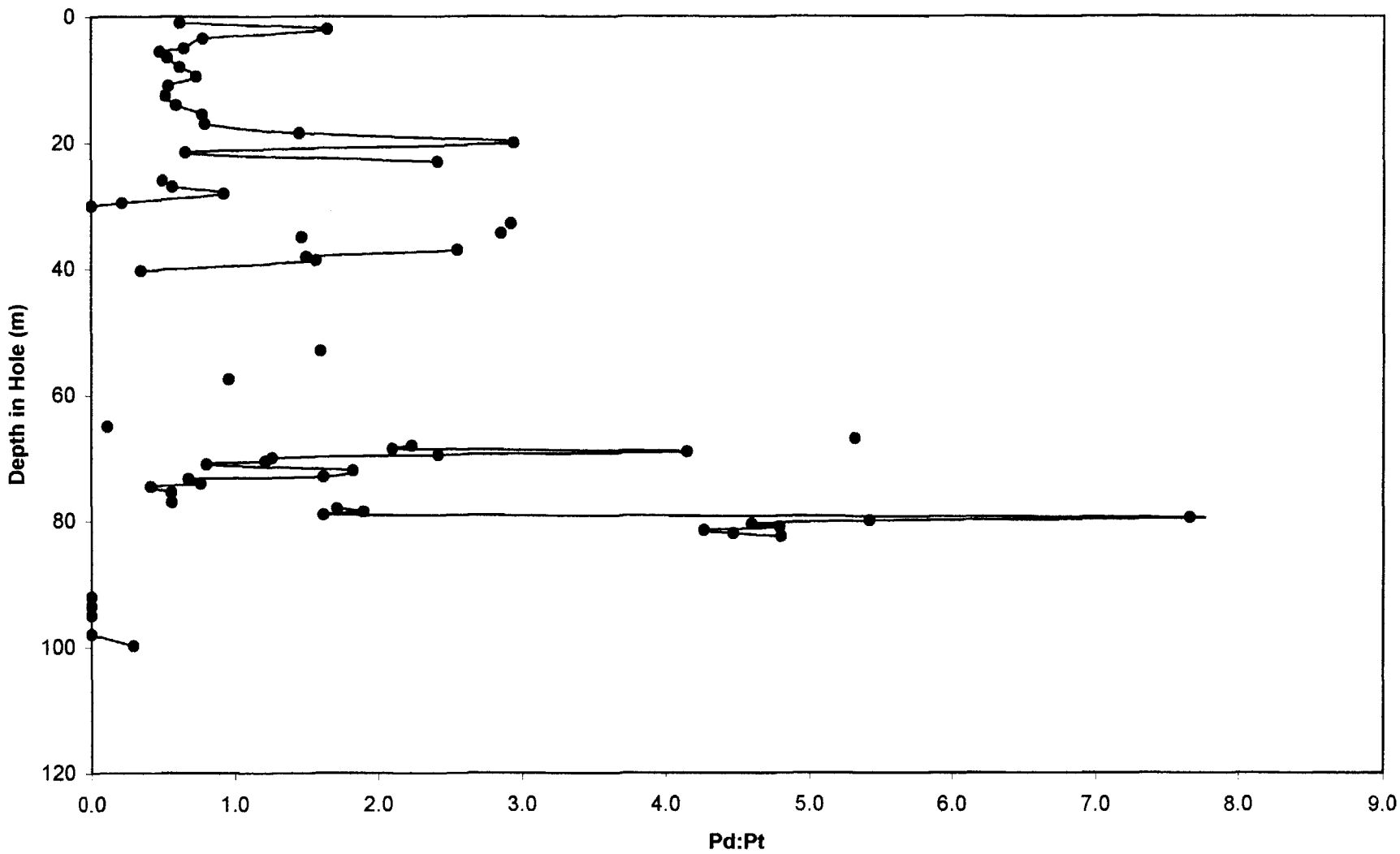

JR01-21
Depth in Hole (m)
0
50
100
150
200
250
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
Pd:Pt

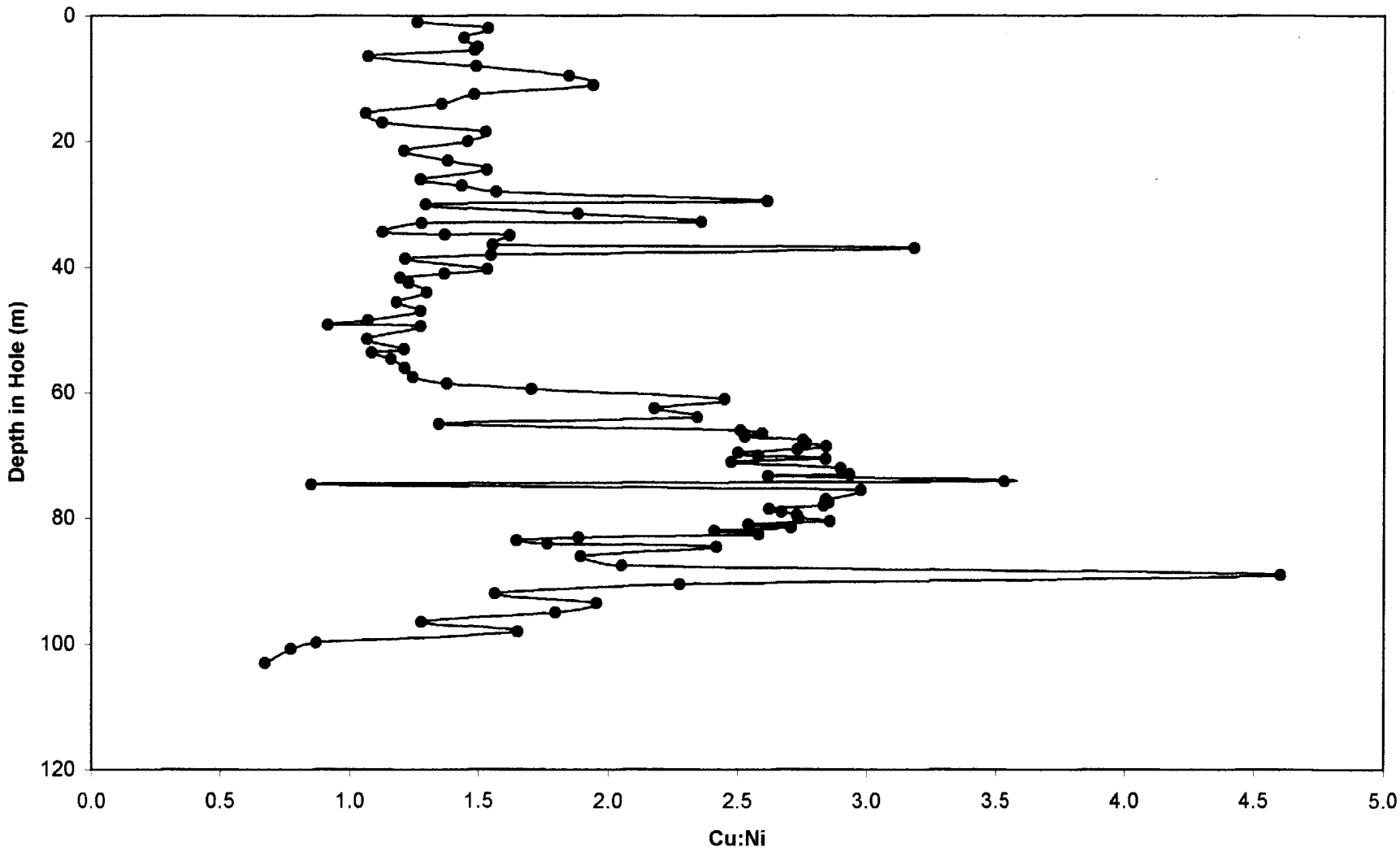

JR01-21
Depth in Hole (m)
0
50
100
150
200
250
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
Cu:Ni

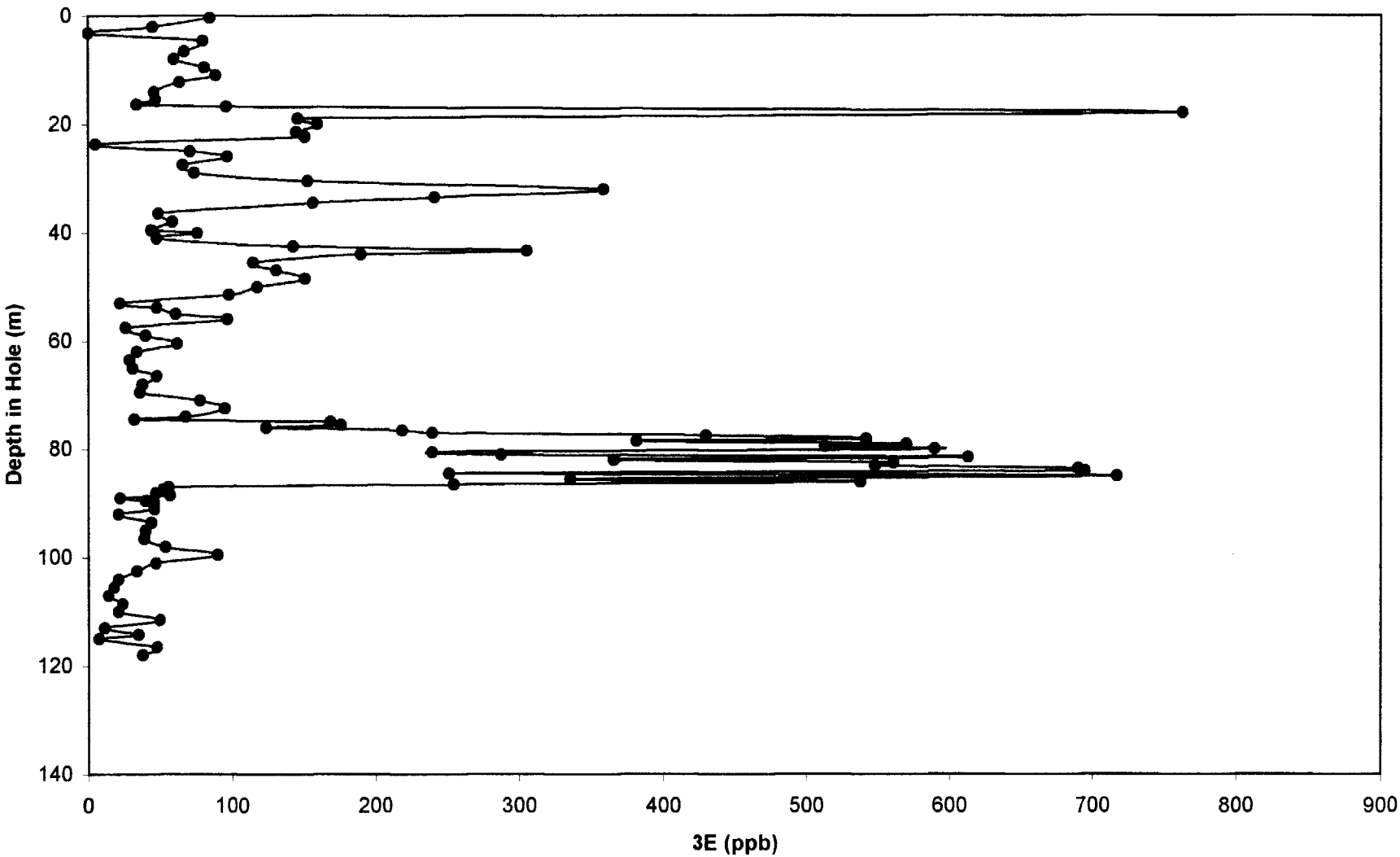

JR01-22
Depth in Hole (m)
0
20
40
60
80
100
120
0
500
1000
1500
2000
2500
3E (ppb)

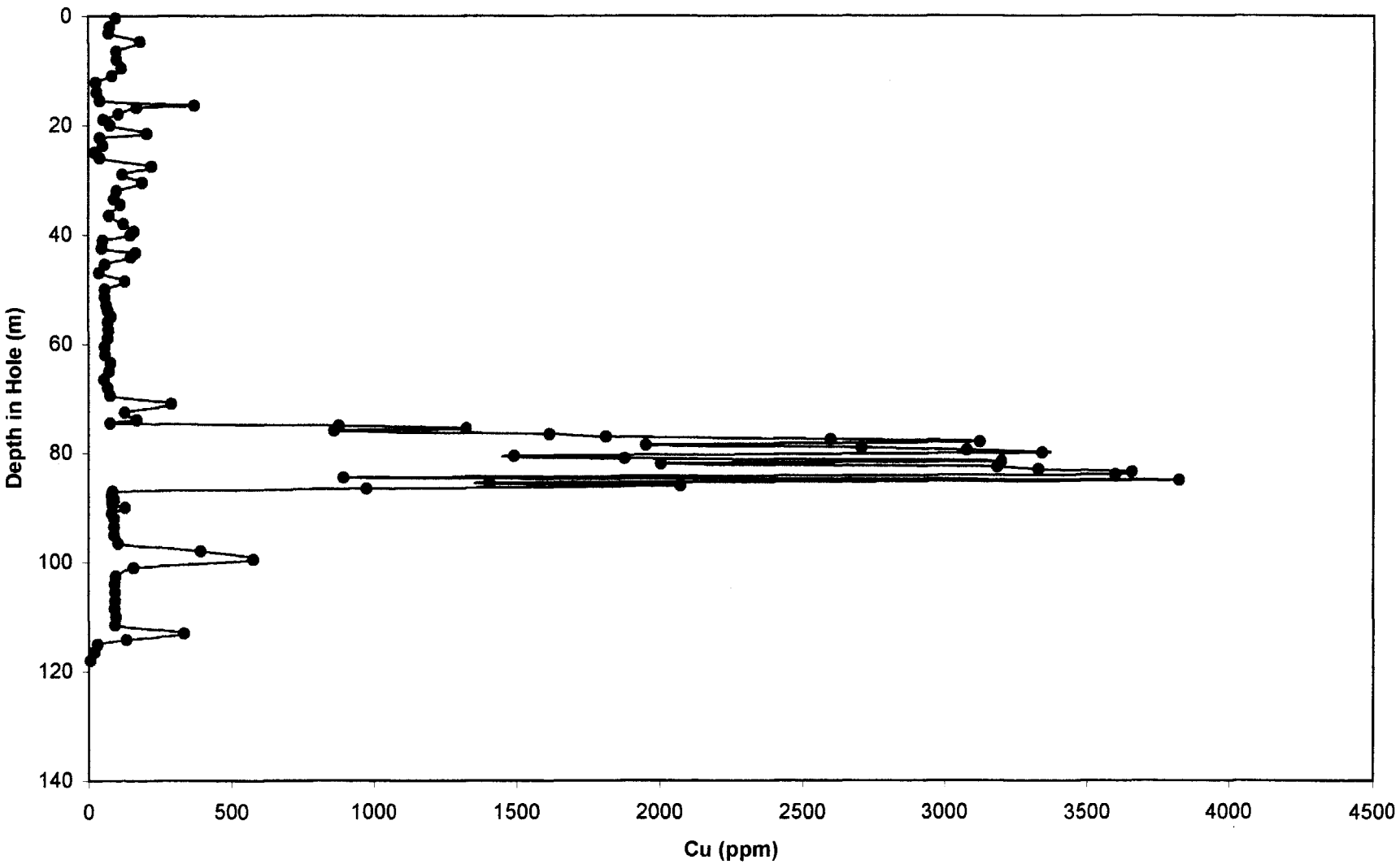

JR01-22
Depth in Hole (m)
0
20
40
60
80
100
120
0
1000
2000
3000
4000
5000
6000
Cu (ppm)

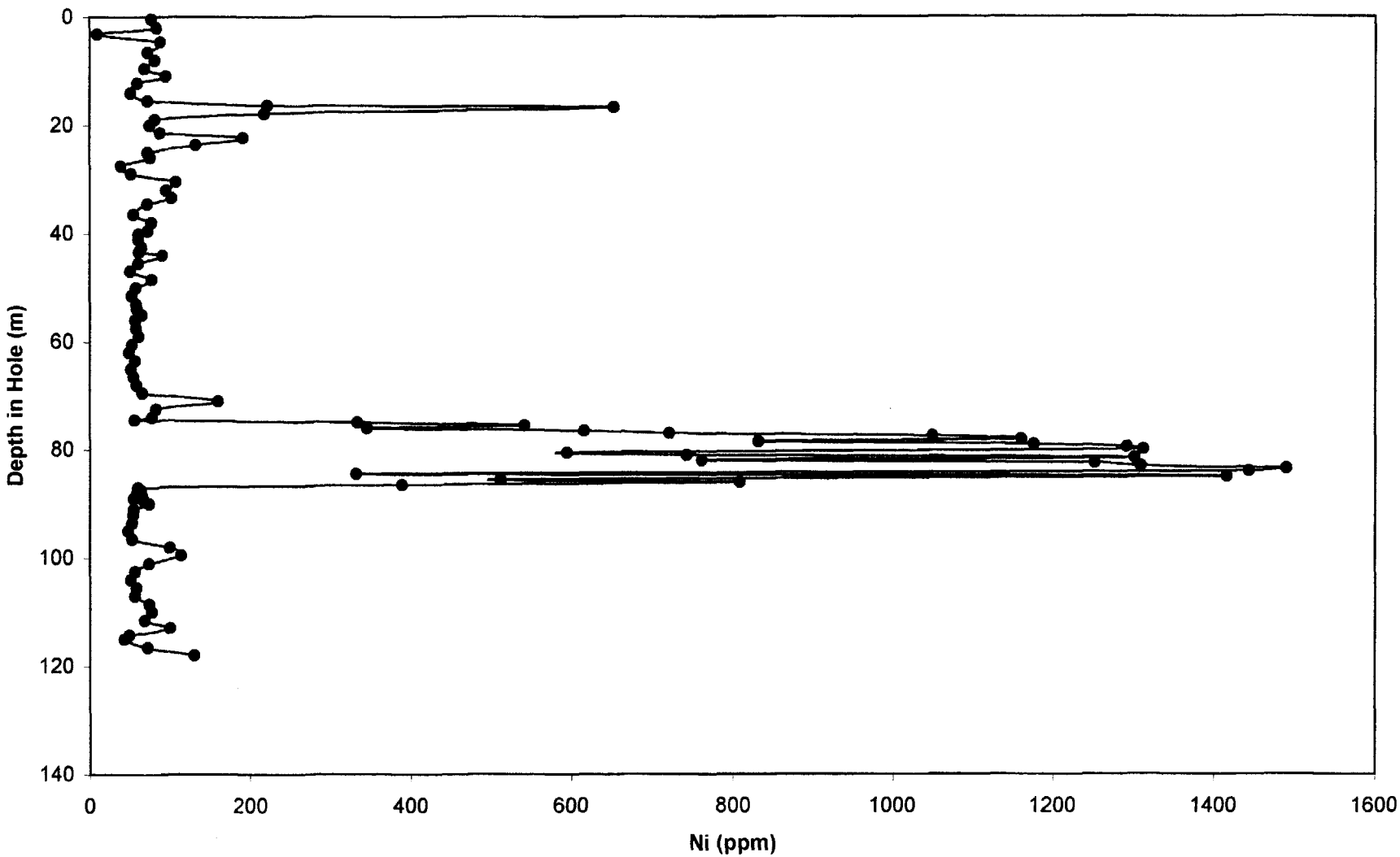

JR01-22
Depth in Hole (m)
0
20
40
60
80
100
120
0
500
1000
1500
2000
2500
Ni (ppm)

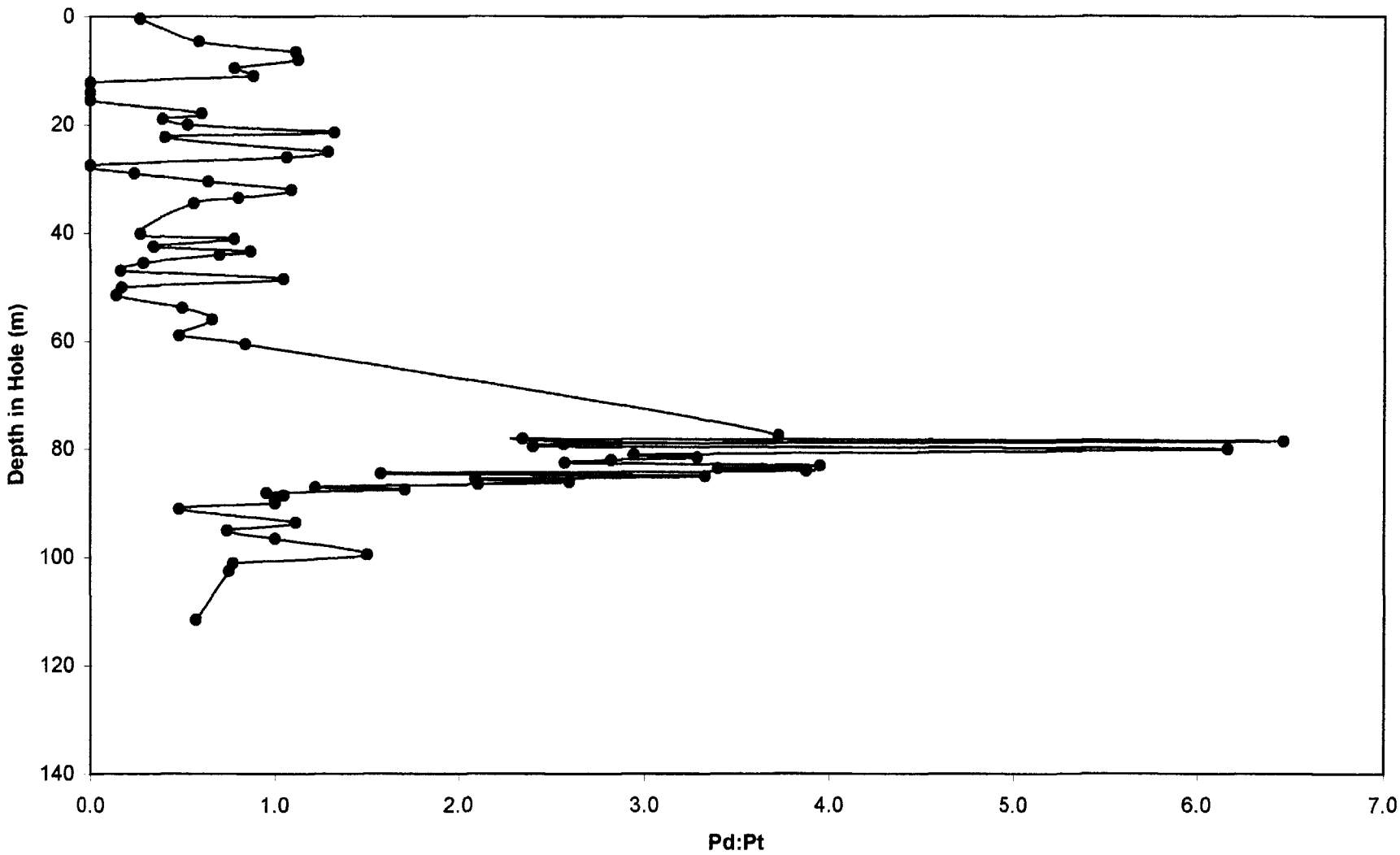

JR01-22
Depth in Hole (m)
0
20
40
60
80
100
120
0.0
1.0
2.0
3.0
4.0
5.0
6.0
7.0
8.0
9.0
Pd:Pt

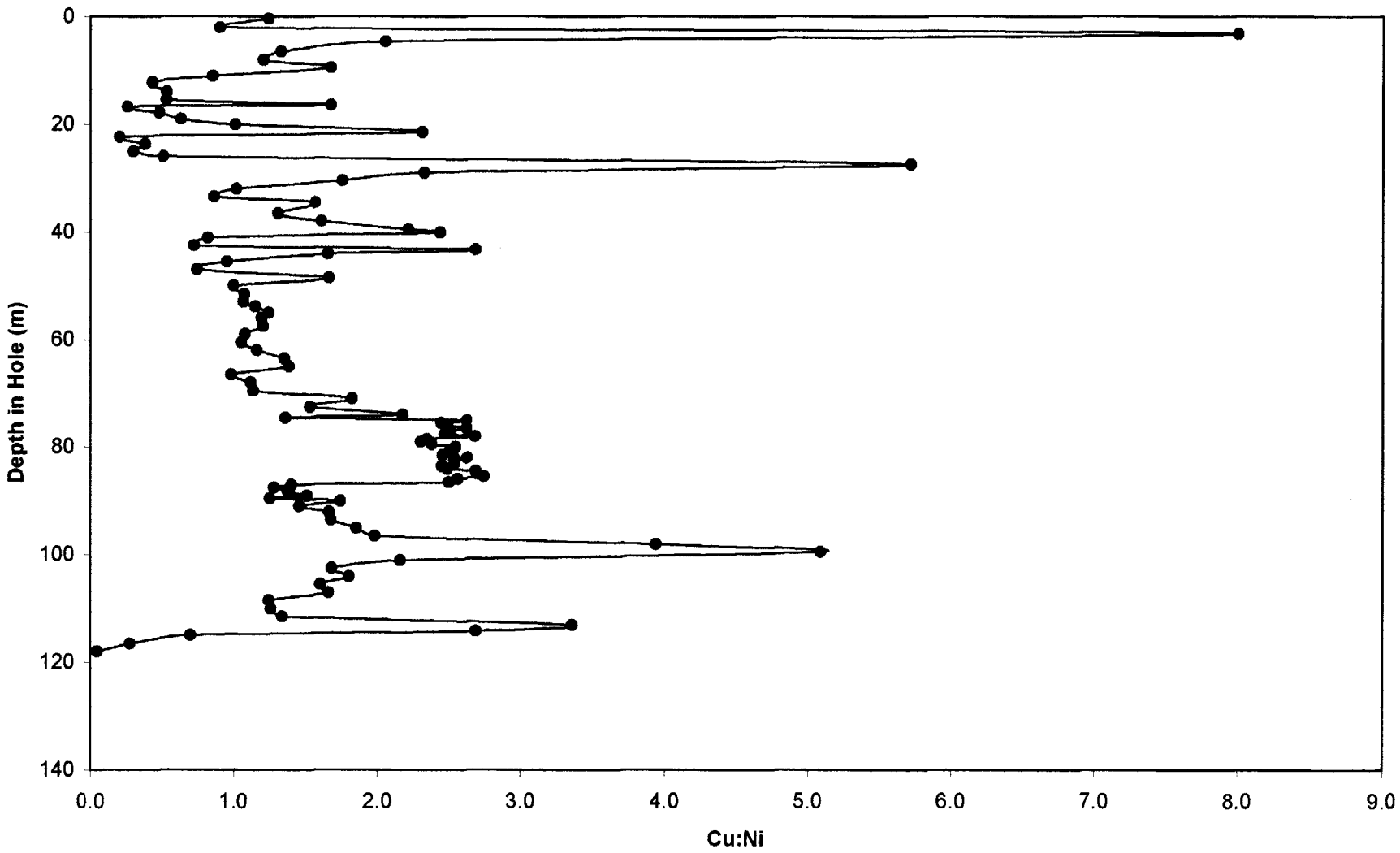

JR01-22
Depth in Hole (m)
0
20
40
60
80
100
120
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
Cu:Ni

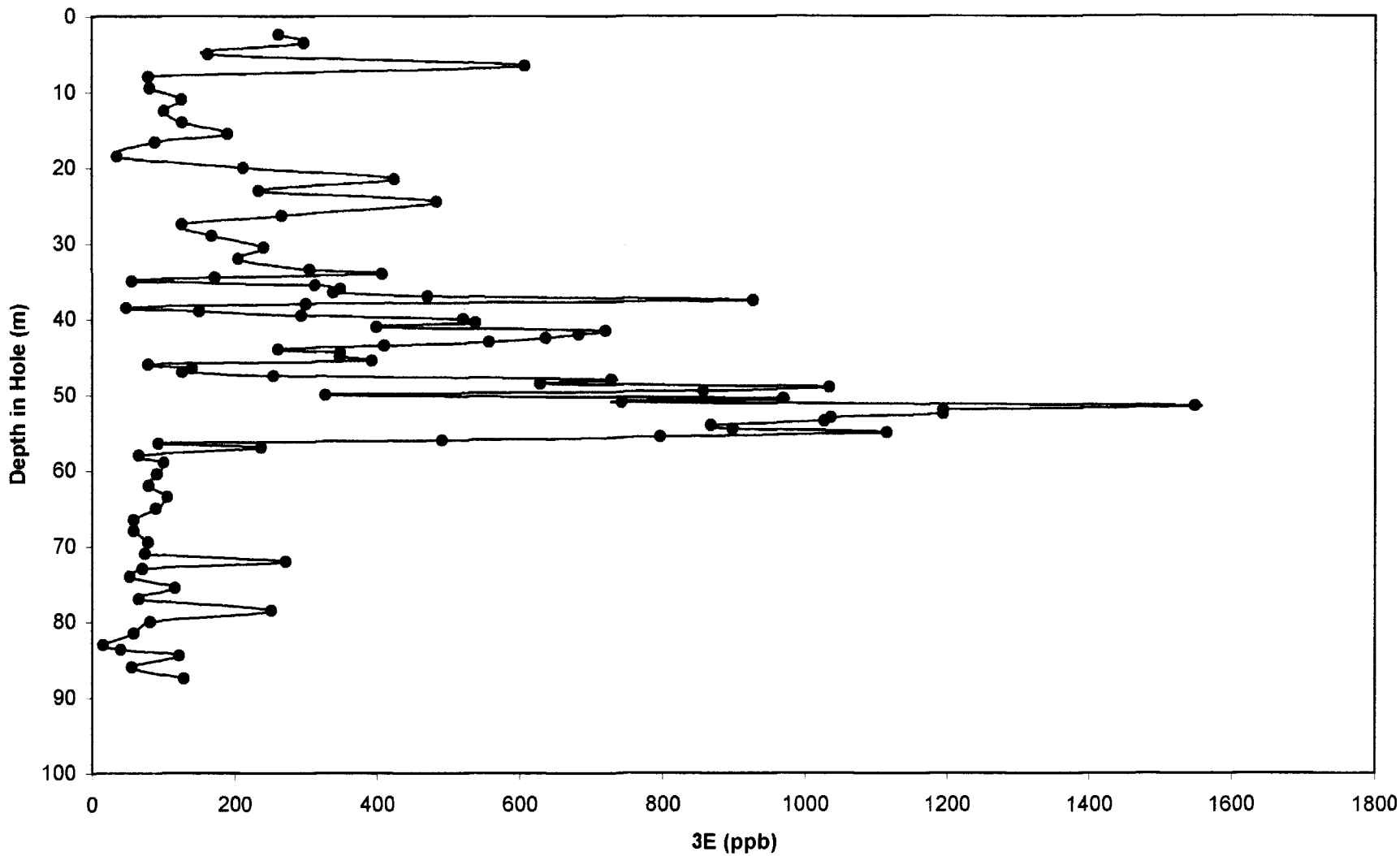

JR01-23
Depth in Hole (m)
0
20
40
60
80
100
120
140
0
100
200
300
400
500
600
700
800
900
3E (ppb)

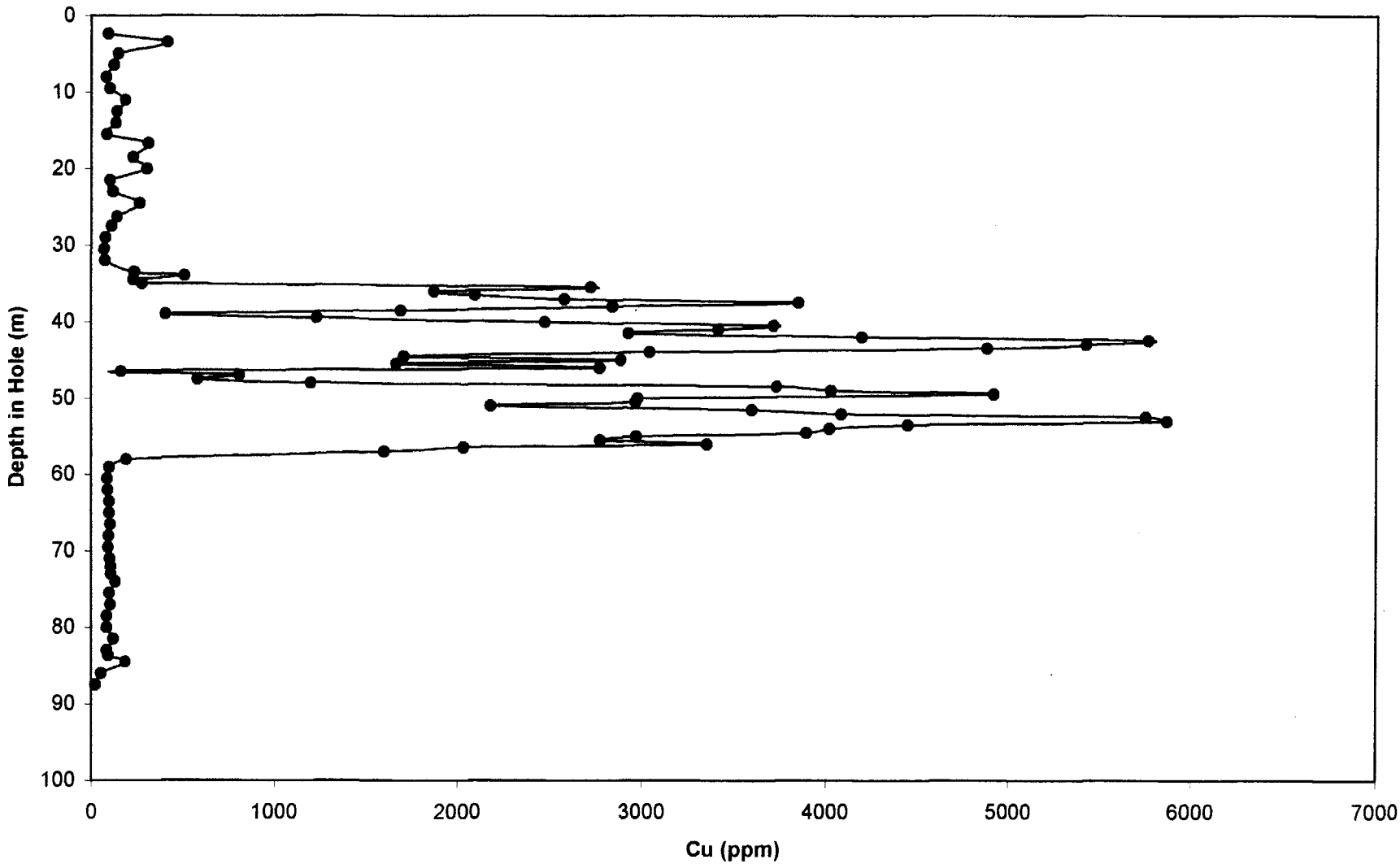

JR01-23
Depth in Hole (m)
0
20
40
60
80
100
120
140
0
500
1000
1500
2000
2500
3000
3500
4000
4500
Cu (ppm)

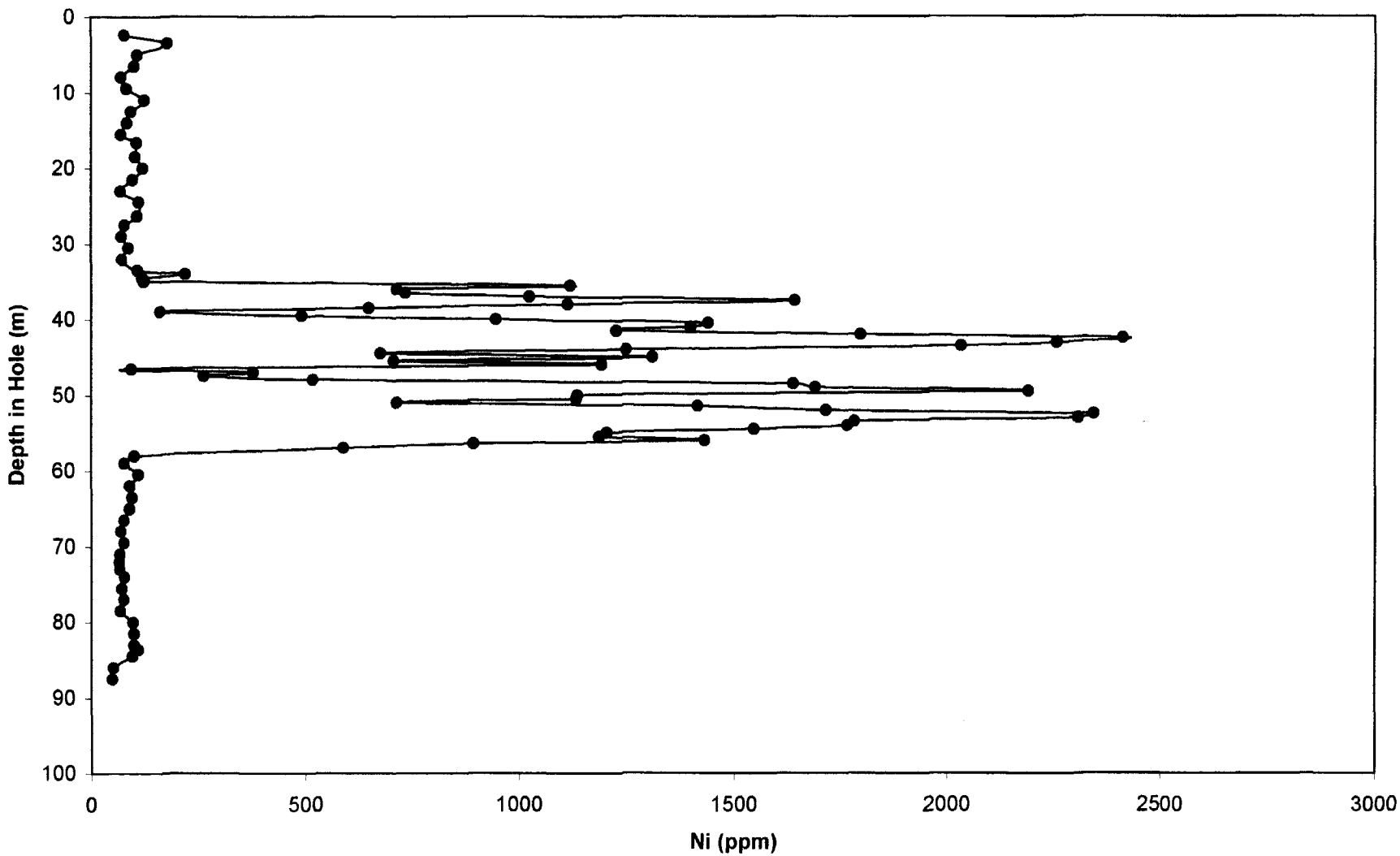

JR01-23
Depth in Hole (m)
0
20
40
60
80
100
120
140
0
200
400
600
800
1000
1200
1400
1600
Ni (ppm)

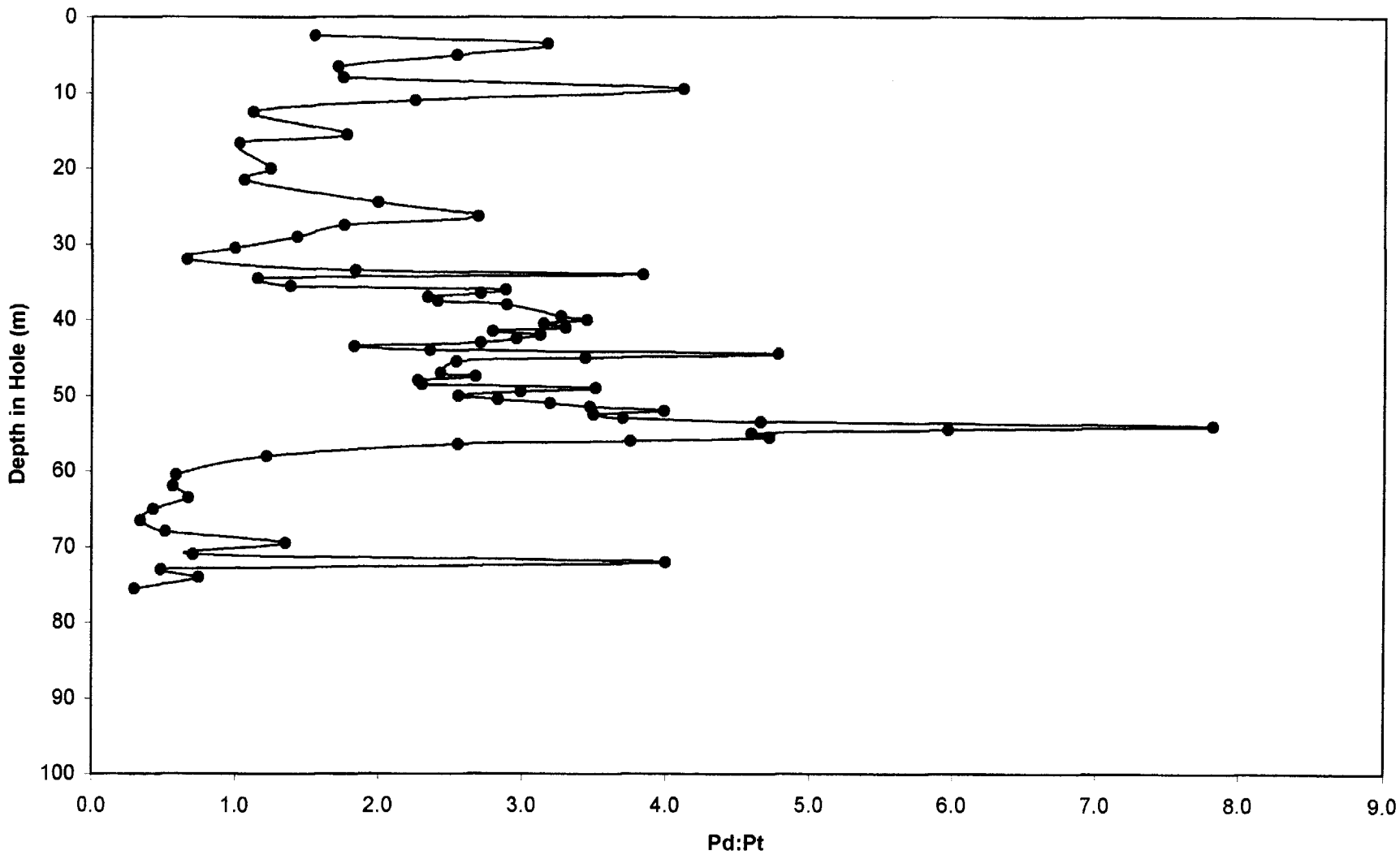

JR01-23
Depth in Hole (m)
0
20
40
60
80
100
120
140
0.0
1.0
2.0
3.0
4.0
5.0
6.0
7.0
Pd:Pt

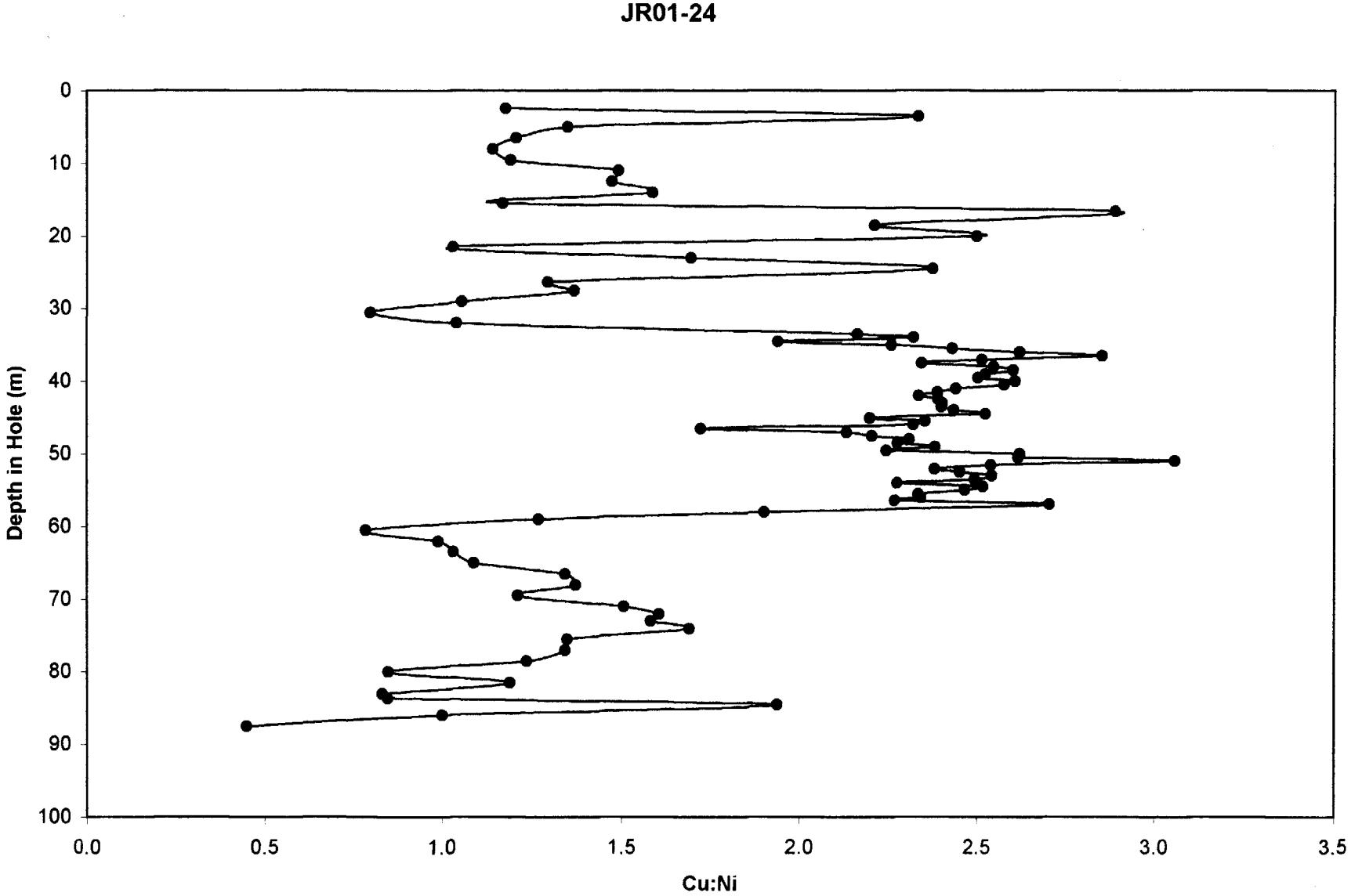

JR01-23
Depth in Hole (m)
0
20
40
60
80
100
120
140
0.0
1.0
2.0
3.0
4.0
5.0
6.0
7.0
8.0
9.0
Cu:Ni

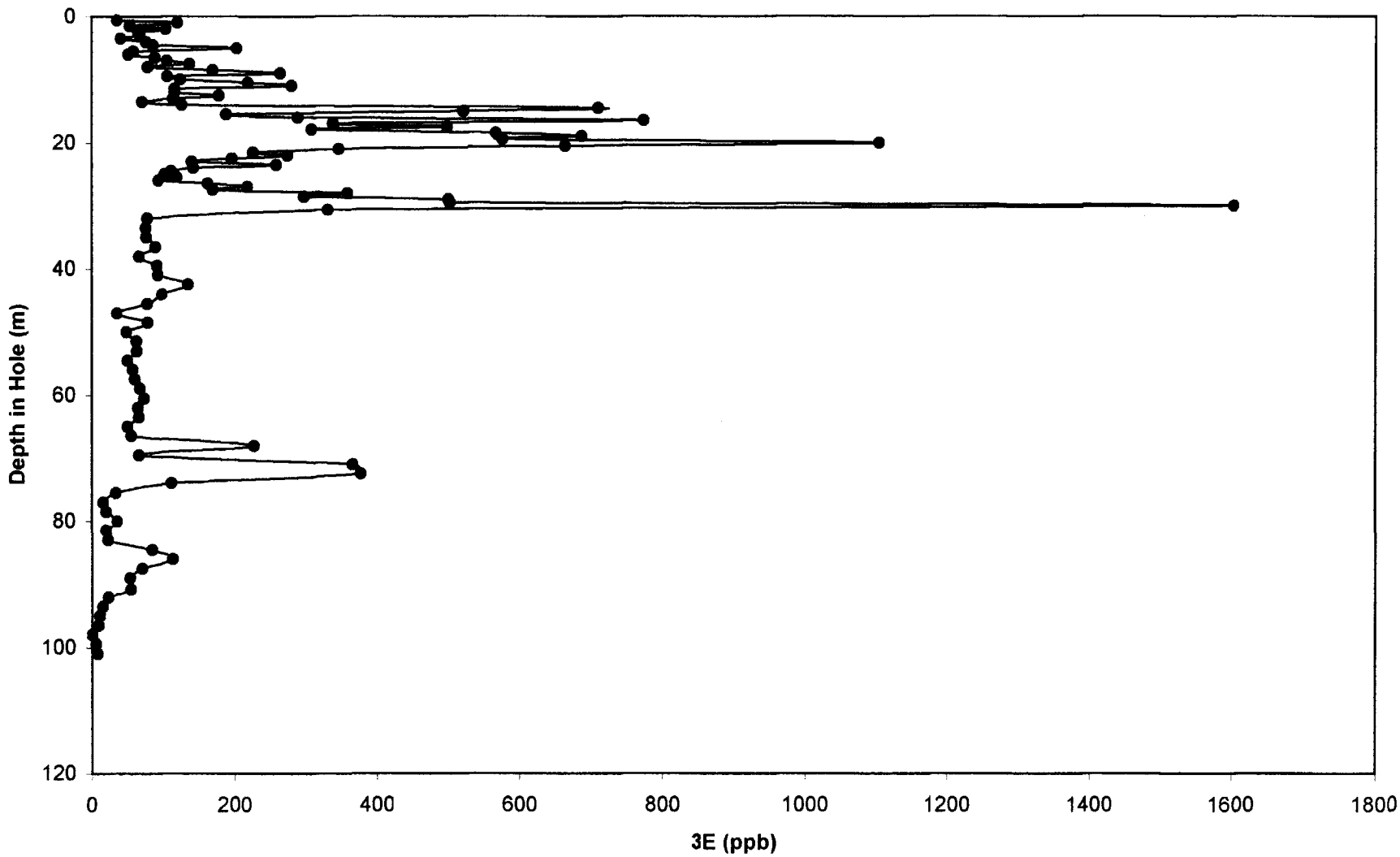

JR01-24
Depth in Hole (m)
0
10
20
30
40
50
60
70
80
90
100
0
200
400
600
800
1000
1200
1400
1600
1800
3E (ppb)

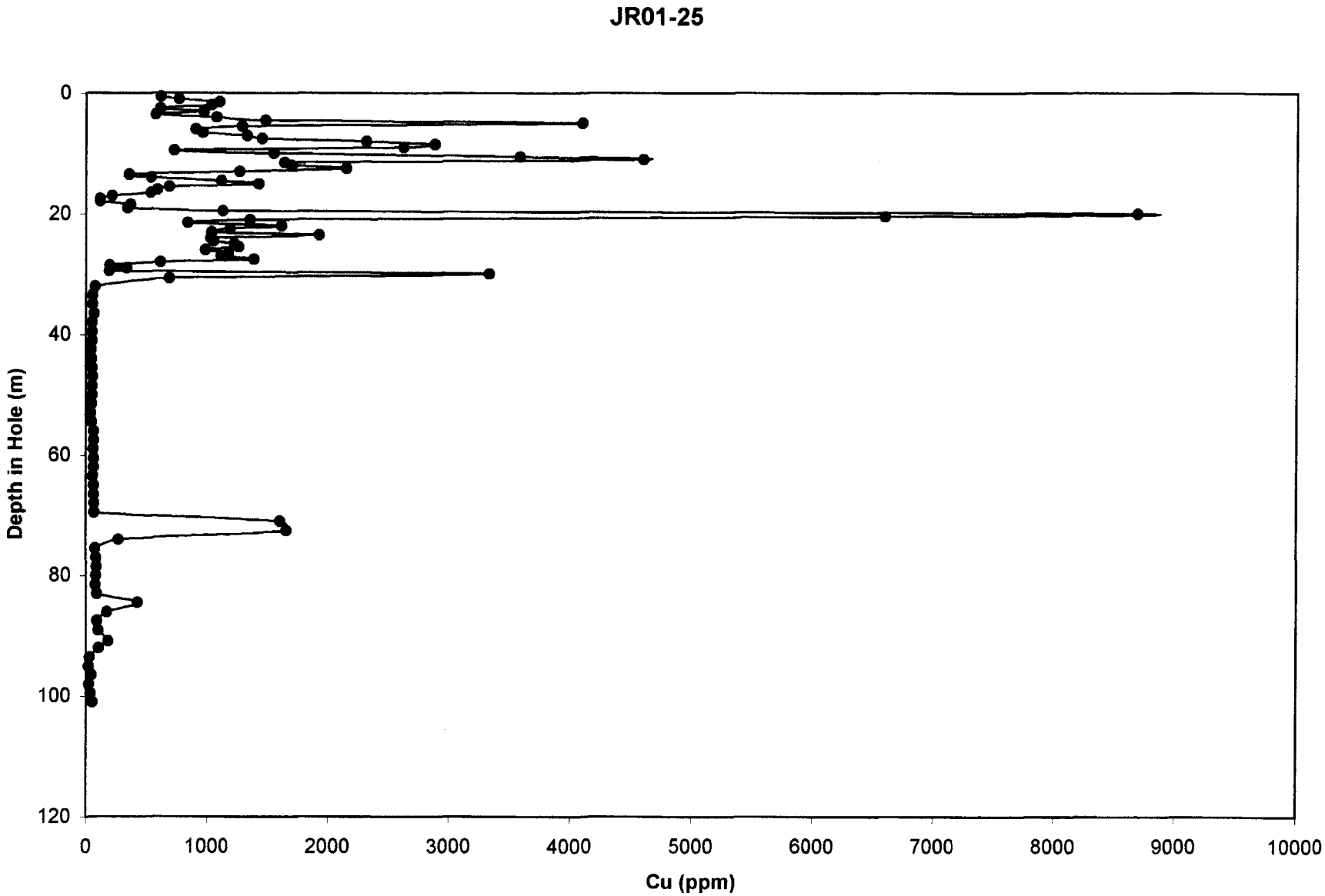

JR01-24
Depth in Hole (m)
0
10
20
30
40
50
60
70
80
90
100
0
1000
2000
3000
4000
5000
6000
7000
Cu (ppm)

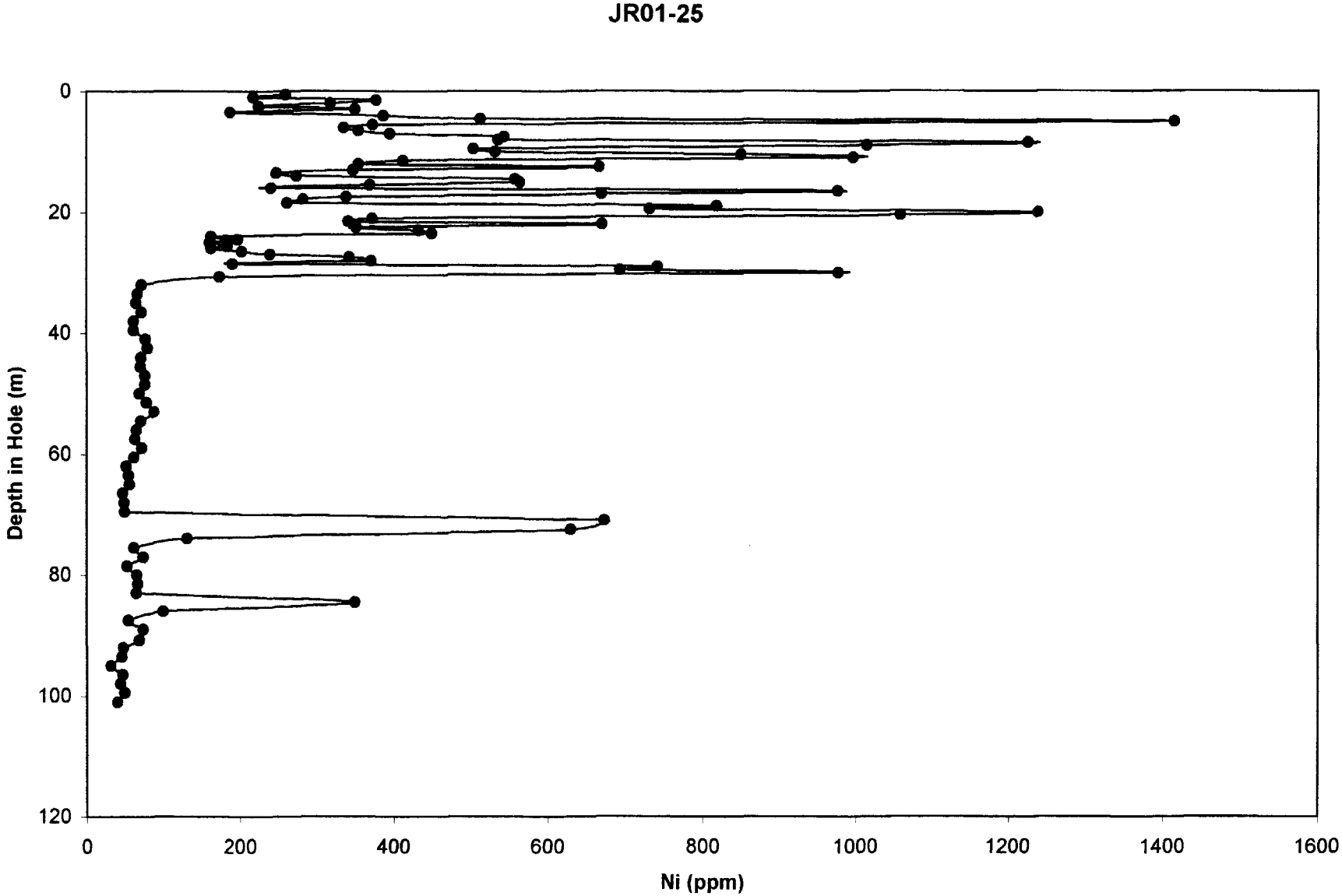

JR01-24
Depth in Hole (m)
0
10
20
30
40
50
60
70
80
90
100
0
500
1000
1500
2000
2500
3000
Ni (ppm)

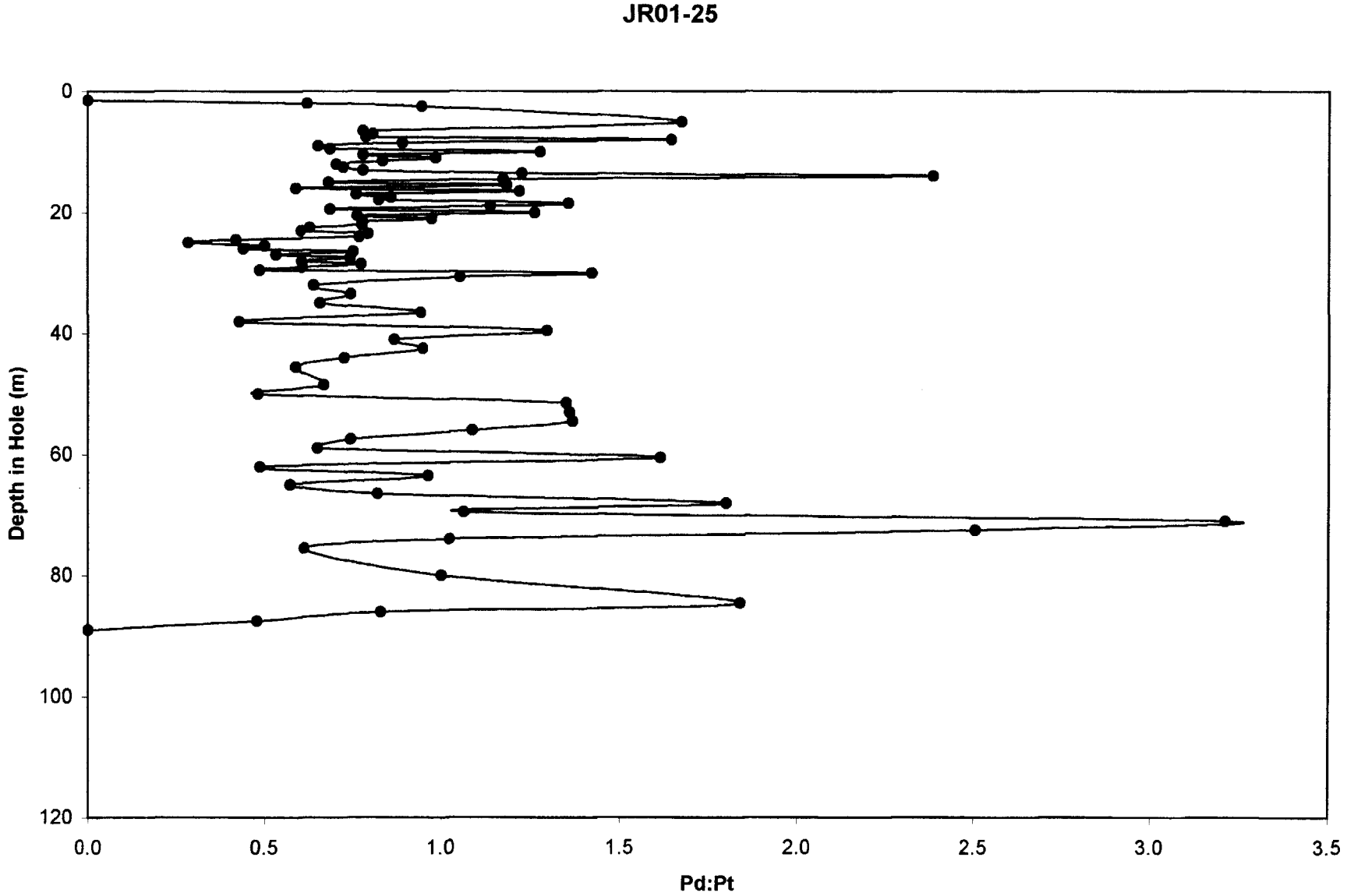

JR01-24
Depth in Hole (m)
0
10
20
30
40
50
60
70
80
90
100
0.0
1.0
2.0
3.0
4.0
5.0
6.0
7.0
8.0
9.0
Pd:Pt

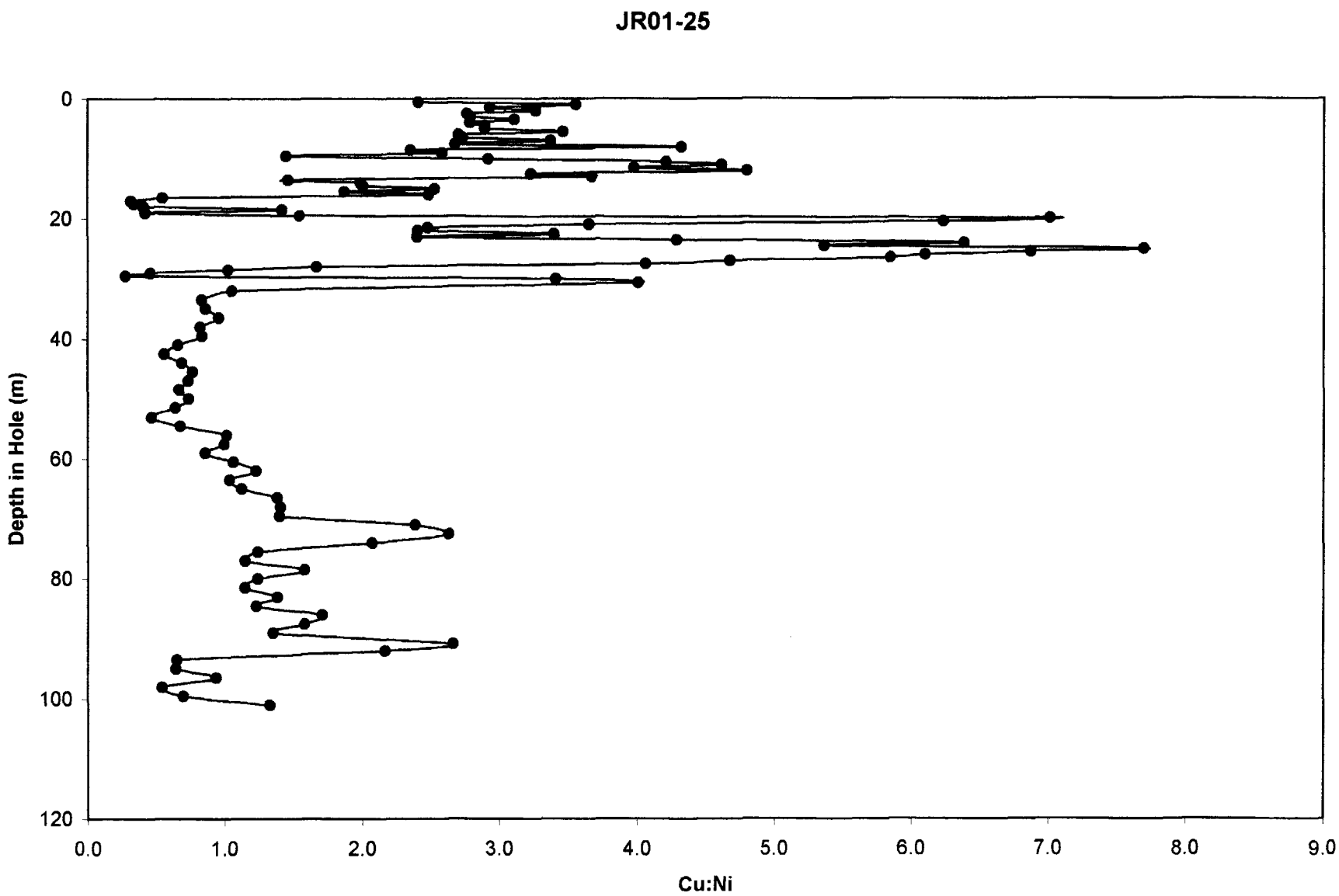

JR01-24
Depth in Hole (m)
0
10
20
30
40
50
60
70
80
90
100
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
Cu:Ni

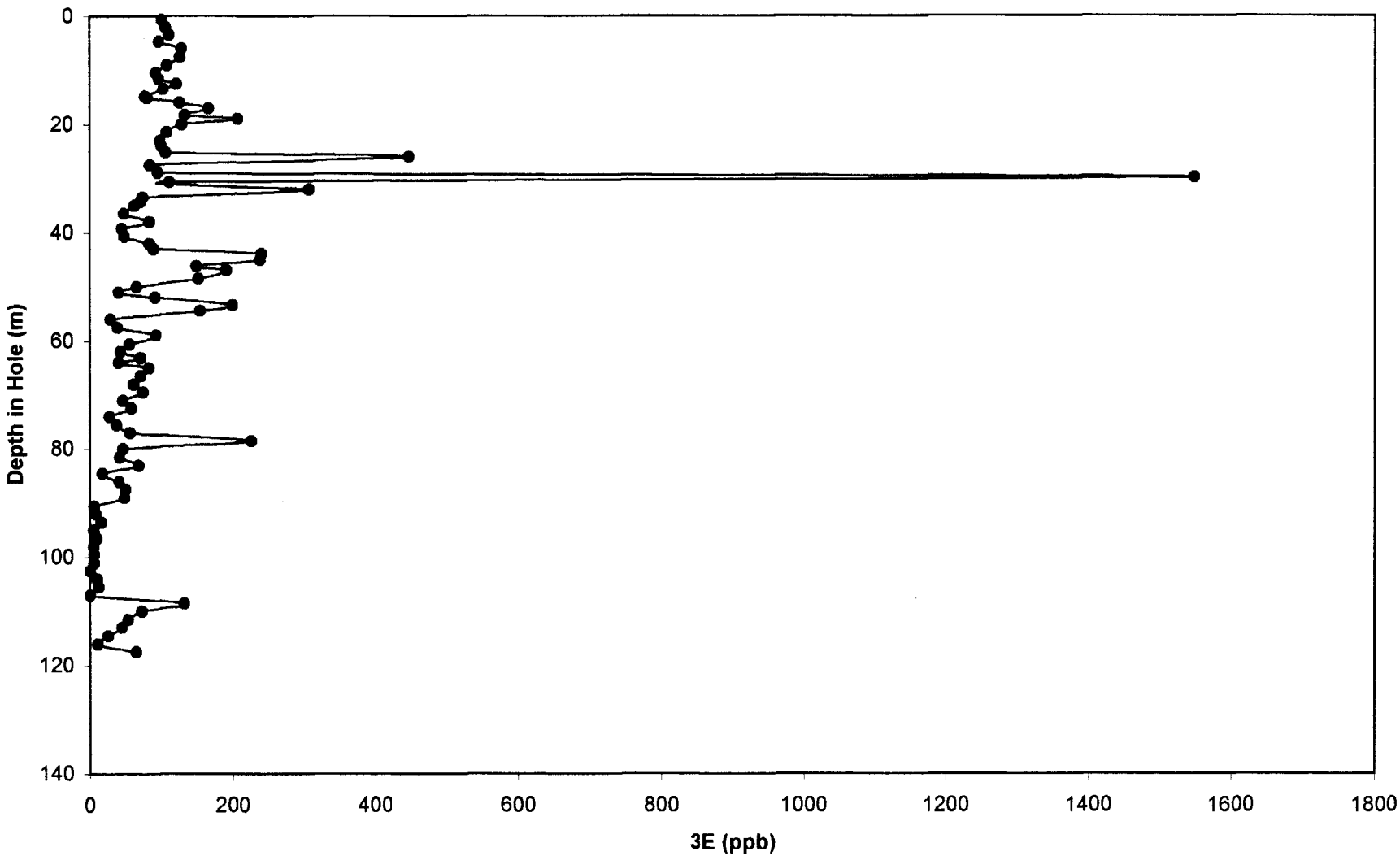

JR01-25
Depth in Hole (m)
0
20
40
60
80
100
120
0
200
400
600
800
1000
1200
1400
1600
1800
3E (ppb)


JR01-25
Depth in Hole (m)
0
20
40
60
80
100
120
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
10000
Cu (ppm)


JR01-25
Depth in Hole (m)
0
20
40
60
80
100
120
0
200
400
600
800
1000
1200
1400
1600
Ni (ppm)


JR01-25
Depth in Hole (m)
0
20
40
60
80
100
120
0.0
0.5
1.0
1.5
2.0
2.5
3.0
3.5
Pd:Pt


JR01-25
Depth in Hole (m)
0
20
40
60
80
100
120
0.0
1.0
2.0
3.0
4.0
5.0
6.0
7.0
8.0
9.0
Cu:Ni


JR01-26
Depth in Hole (m)
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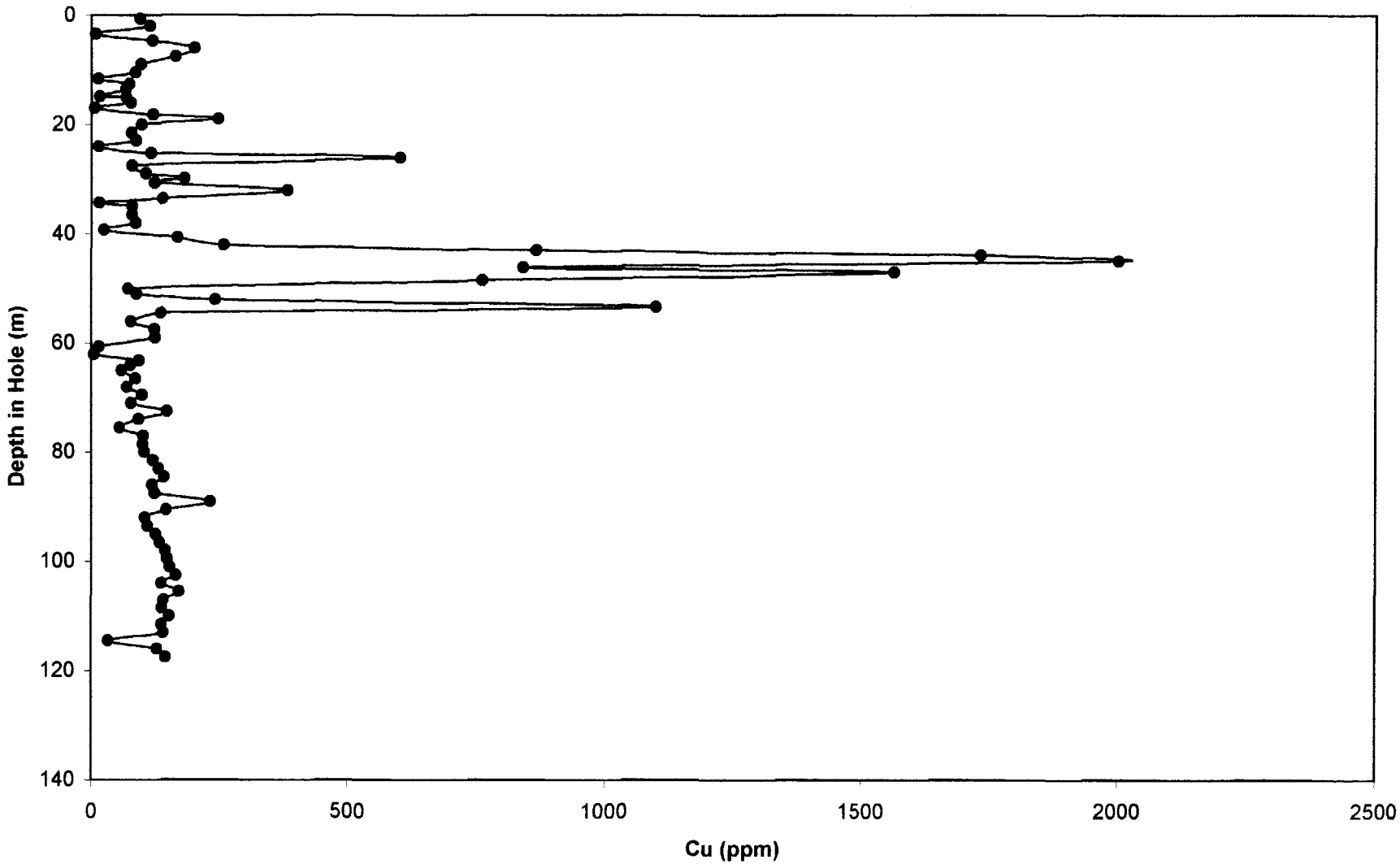
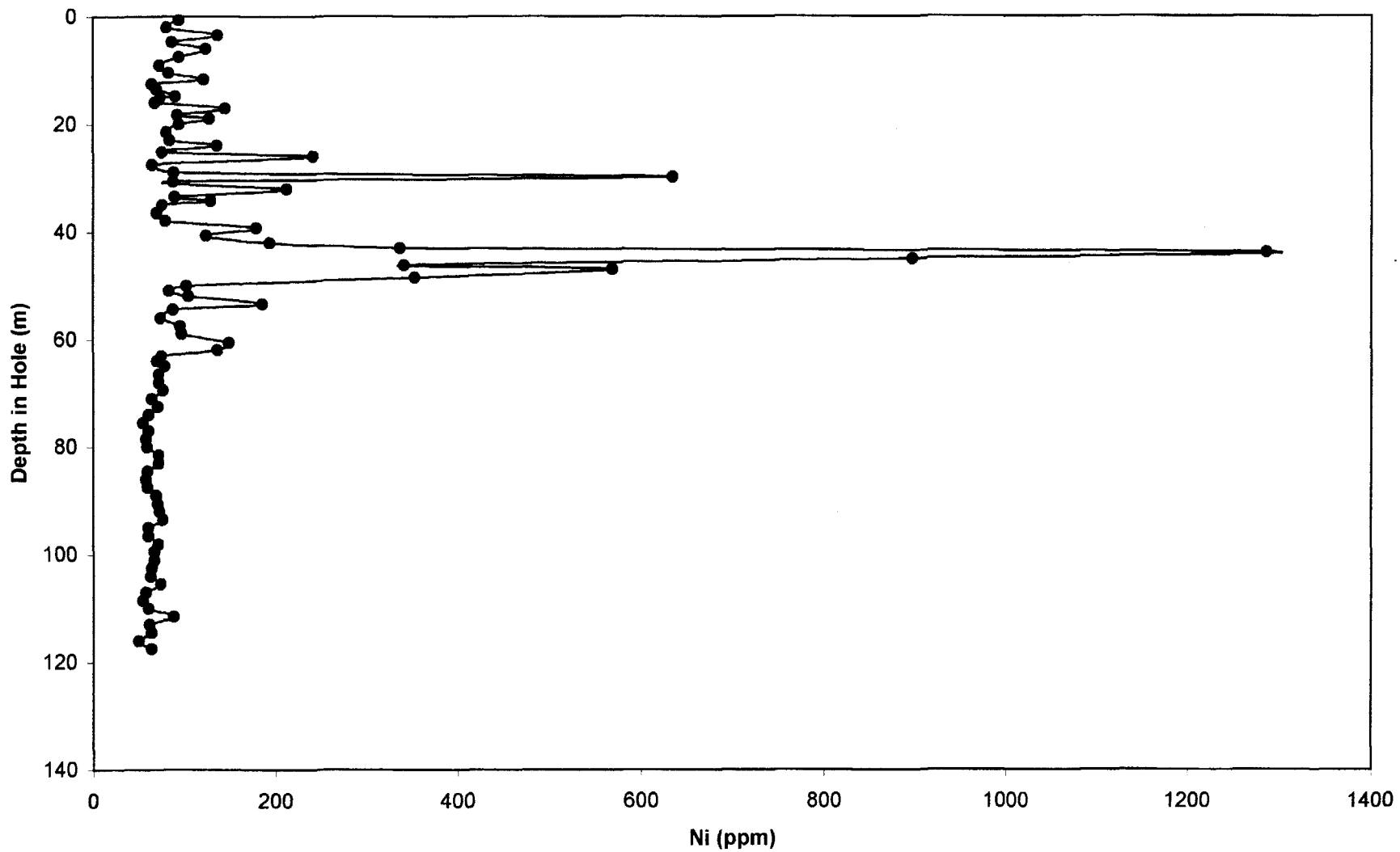
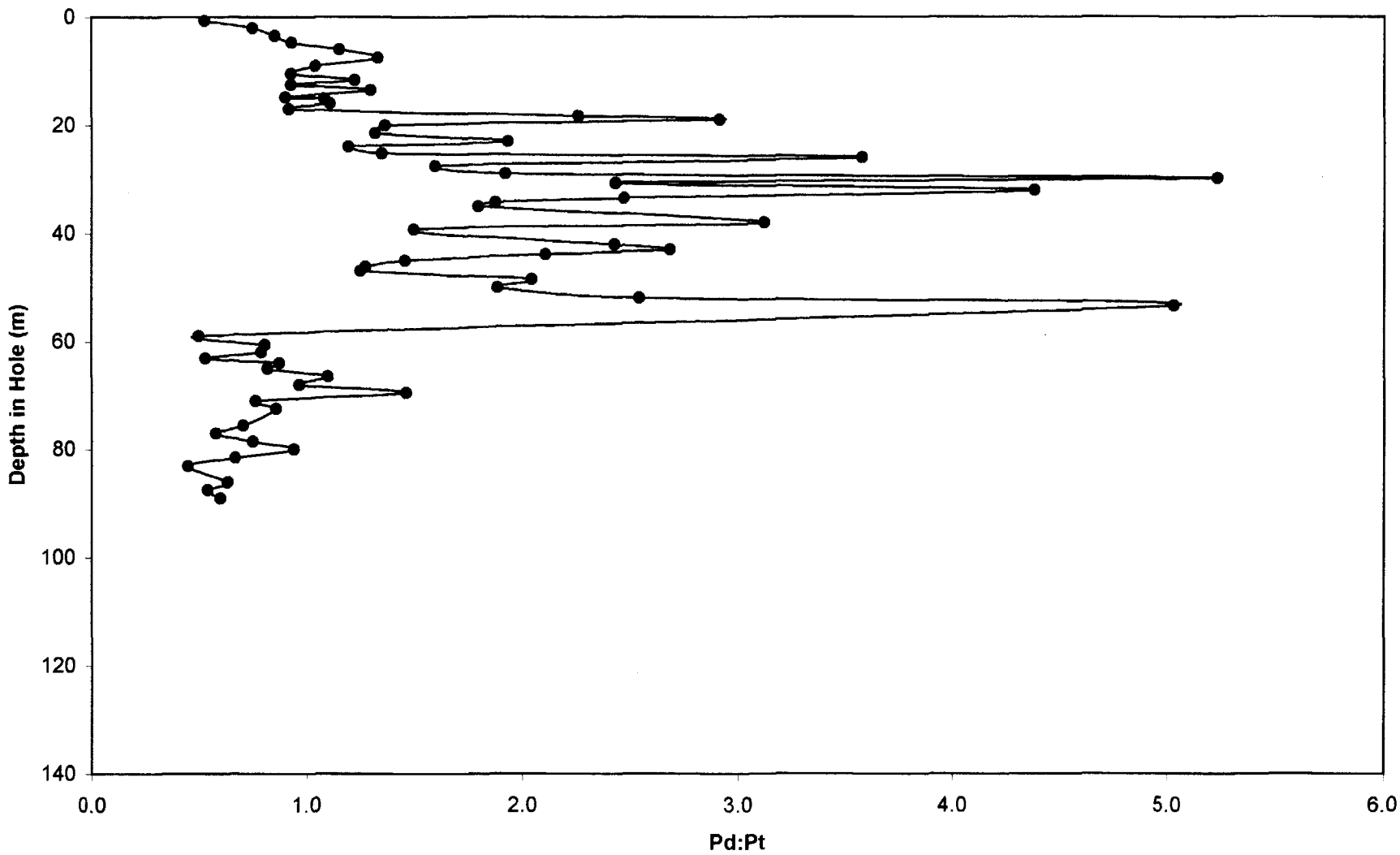
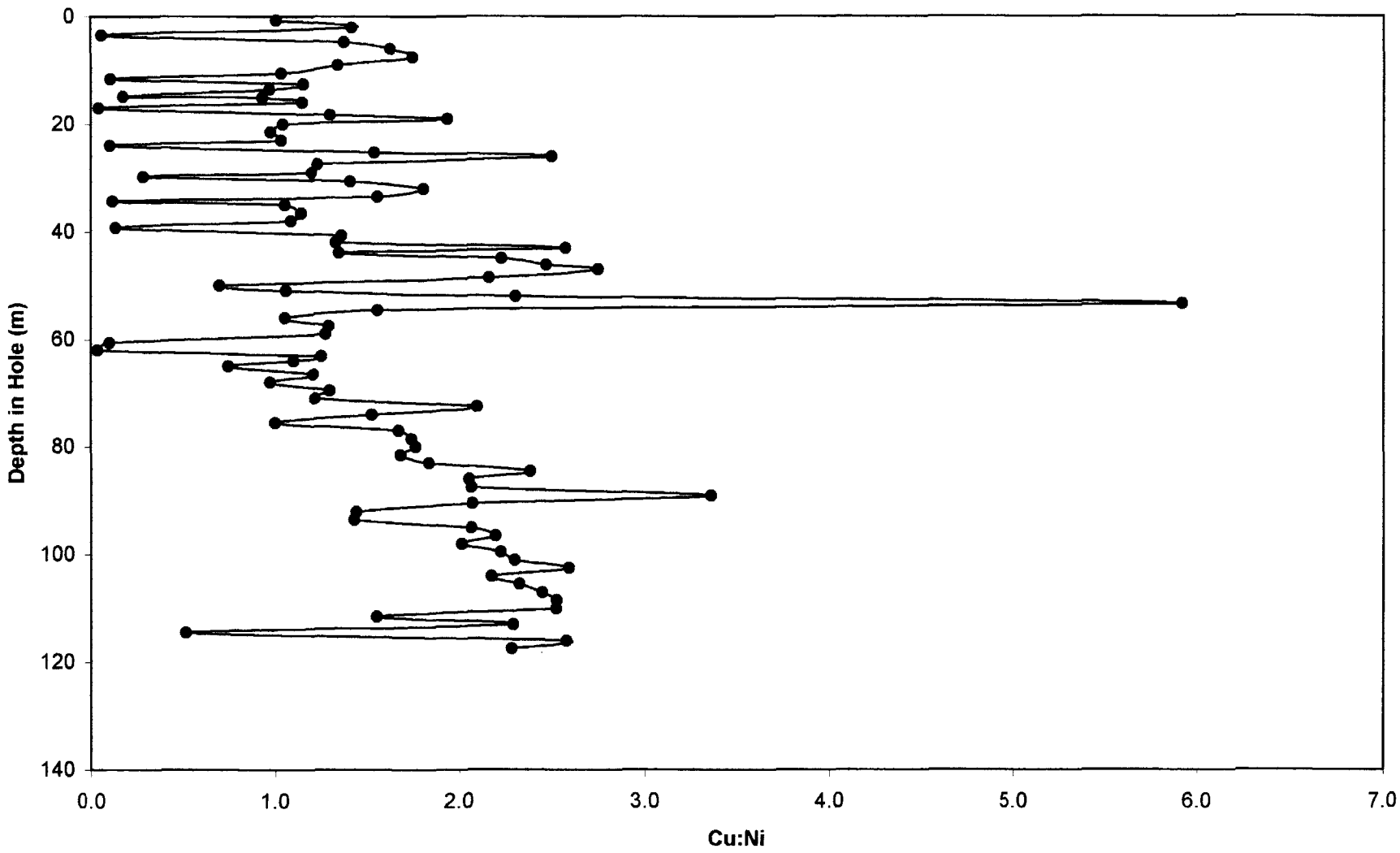
20
40
60
80
100
120
140
0
200
400
600
800
1000
1200
1400
1600
1800
3E (ppb)


JR01-26
Depth in Hole (m)
0
20
40
60
80
100
120
140
0
500
1000
1500
2000
2500
Cu (ppm)


JR01-26
Depth in Hole (m)
0
20
40
60
80
100
120
140
0
200
400
600
800
1000
1200
1400
Ni (ppm)


JR01-26
Depth in Hole (m)
0
20
40
60
80
100
120
140
0.0
1.0
2.0
3.0
4.0
5.0
6.0
Pd:Pt


JR01-26
Depth in Hole (m)
0
20
40
60
80
100
120
140
0.0
1.0
2.0
3.0
4.0
5.0
6.0
7.0
Cu:Ni

APPENDIX V

Assay Checks with Certificates

XRAL Laboratories

Rouyn-Noranda, Quebec

	Accurassay - original				XRAL - check				Difference Between Original and Check				Percentage
Sample	Au(ppb)	Pt(ppb)	Pd(ppb)	3E(ppb)	Au(ppb)	Pt(ppb)	Pd(ppb)	3E(ppb)	Au(ppb)	Pt(ppb)	Pd(ppb)	3E(ppb)	
59067	50	124	753	927	56	127	766	949	-6	-3	-13	-22	89.29
59094	126	135	539	800	188	109	359	656	-62	26	180	144	67.02
59095	207	214	766	1187	191	157	549	897	16	57	217	290	92.27
59097	119	137	451	707	126	102	336	564	-7	35	115	143	94.44
59098	144	129	603	876	239	124	406	769	-95	5	197	107	60.25
59099	118	106	512	736	126	116	361	603	-8	-10	151	133	93.65
59325	212	445	1302	1959	148	376	1150	1674	64	69	152	285	69.81
59327	42	291	832	1165	55	253	715	1023	-13	38	117	142	76.36
59375	173	214	367	754	155	103	363	621	18	111	4	133	89.60
59381	180	151	724	1055	191	162	729	1082	-11	-11	-5	-27	94.24
59382	115	128	546	789	107	100	465	672	8	28	81	117	93.04
59383	128	136	608	872	103	97	501	701	25	39	107	171	80.47
59414	11	469	283	763	18	341	208	567	-7	128	75	196	61.11
19061	416	137	481	1034	173	120	408	701	243	17	73	333	41.59
19066	631	205	712	1548	217	165	660	1042	414	40	52	506	34.39
19067	287	182	726	1195	211	161	671	1043	76	21	55	152	73.52
19068	260	208	727	1195	177	159	683	1019	83	49	44	176	68.08
19069	279	161	596	1036	194	148	592	934	85	13	4	102	69.53
19070	212	144	671	1027	168	143	614	925	44	1	57	102	79.25
19071	101	87	680	868	136	124	572	832	-35	-37	108	36	74.26
19072	201	100	597	898	125	110	500	735	76	-10	97	163	62.19
19073	220	160	735	1115	170	130	624	924	50	30	111	191	77.27
19160	351	517	735	1603	286	395	589	1270	65	122	146	333	81.48
19234	28	244	1277	1549	34	195	1070	1299	-6	49	207	250	82.35
												Average:	**75.23**

Les Laboratoires XRAL Laboratories
Une Division de / A Division of SGS Canada Inc.
129 Ave. Marcel Baril, Rouyn-Noranda, Québec J9X 7B9
Téléphone: (819) 764-9108 Télécopieur: (819) 764-4673

Projet/Project : **PSJ01**
Notre Référence/Work Order : **R20248**
Date : 09/07/01
Page : 1 of 1
Final

Element.	Au	Pt	Pd
Methode/Method.	FA301	FA301	FA301
Det.Lim.	1	10	1
Mesure/Units.	ppb	ppb	ppb
59067	56	127	766
59094	188	109	359
59095	191	157	549
59097	126	102	336
59098	239	124	406
59099	126	116	361
59325	148	376	1150
59327	55	253	715
59375	155	103	363
59381	191	162	729
59382	107	100	465
59383	103	97	501
59414	18	341	208
19061	173	120	408
19066	217	165	660
19067	211	161	671
19068	177	159	683
19069	194	148	592
19070	168	143	614
19071	136	124	572
*Std WMG1	114	743	364
19072	125	110	500
19073	170	130	624
19160	286	395	589
19234	34	195	1070
*Dup 59067	59	112	688
*Dup 59414	17	333	265

Work Report Summary

Transaction No: W0170.30912 **Status:** APPROVED
Recording Date: 2001-OCT-15 **Work Done from:** 2001-MAY-01
Approval Date: 2002-JAN-05 **to:** 2001-OCT-14

Client(s):

303574 GOLDWRIGHT EXPLORATIONS INC
304294 PACIFIC NORTH WEST CAPITAL CORP.

Survey Type(s):

ASSAY PDRILL

Work Report Details:

Claim#	Perform	Perform Approve	Applied	Applied Approve	Assign	Assign Approve	Reserve	Reserve Approve	Due Date
S 1220221	$74,632	$74,632	$0	$0	$51,200	51,200	$23,432	$23,432	2002-DEC-16
S 1229305	$0	$0	$4,800	$4,800	$0	0	$0	$0	2002-OCT-14
S 1229306	$0	$0	$6,400	$6,400	$0	0	$0	$0	2002-OCT-14
S 1229307	$0	$0	$6,400	$6,400	$0	0	$0	$0	2002-OCT-14
S 1229308	$0	$0	$6,400	$6,400	$0	0	$0	$0	2002-OCT-14
S 1229309	$0	$0	$6,400	$6,400	$0	0	$0	$0	2002-OCT-14
S 1229310	$0	$0	$6,400	$6,400	$0	0	$0	$0	2002-OCT-14
S 1229311	$0	$0	$6,400	$6,400	$0	0	$0	$0	2002-OCT-14
S 1229312	$0	$0	$6,400	$6,400	$0	0	$0	$0	2002-OCT-14
S 1229354	$0	$0	$1,600	$1,600	$0	0	$0	$0	2002-OCT-14
	$74,632	$74,632	$51,200	$51,200	$51,200	$51,200	$23,432	$23,432	

External Credits: $0

Reserve:

$23,432	Reserve of Work Report#: W0170.30912
($13,200)	Applied by W0170.31275 2001-DEC-20
$10,232	Total Remaining

Status of claim is based on information currently on record.

41I09NW2038 2.22235 JANES 900

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Ontario

GEOSCIENCE ASSESSMENT OFFICE
933 RAMSEY LAKE ROAD, 6th FLOOR
SUDBURY, ONTARIO
P3E 6B5

Tel: (888) 415-9845
Fax:(877) 670-1555

Date: 2002-JAN-15

GOLDWRIGHT EXPLORATIONS INC
GENERAL DELIVERY
HAGAR, ONTARIO
P0M 1X0 CANADA

Submission Number: 2.22235
Transaction Number(s): W0170.30912

Dear Sir or Madam

Subject: Approval of Assessment Work

We have approved your Assessment Work Submission with the above noted Transaction Number(s). The attached Work Report Summary indicates the results of the approval.

At the discretion of the Ministry, the assessment work performed on the mining lands noted in this work report may be subject to inspection and/or investigation at any time.

The revisions outlined in the Notice dated November 21, 2001 have been corrected. Accordingly, assessment work credit has been approved as outlined on the Declaration of Assessment Work Form that accompanied this submission.

If you have any question regarding this correspondence, please contact JIM MCAULEY by email at james.mcauley@ndm.gov.on.ca or by phone at (705) 670-5855.

Yours Sincerely,

Ron Gashinski
Senior Manager, Mining Lands Section

Cc: Resident Geologist

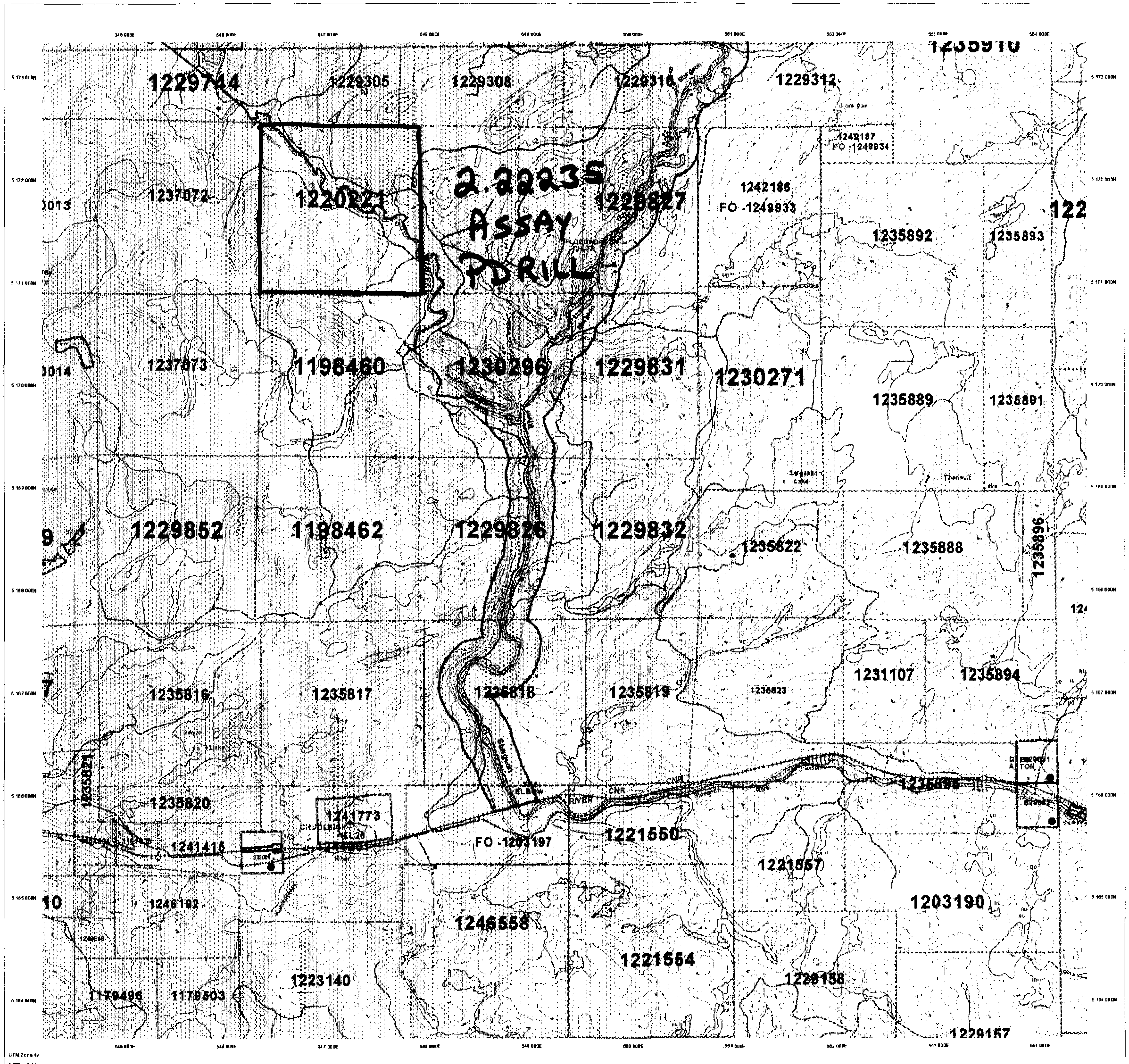
Brian James Wright
(Agent)

Goldwright Explorations Inc
(Assessment Office)

Assessment File Library

Goldwright Explorations Inc
(Claim Holder)

Pacific North West Capital Corp.
(Claim Holder)



MINISTRY OF NORTHERN DEVELOPMENT AND MINES
PROVINCIAL MINING RECORDER'S OFFICE

MINING LAND TENURE MAP

Date / Time of Issue Nov 29 2001 14:19h Eastern

TOWNSHIP / AREA	PLAN
JANES	G-2907

ADMINISTRATIVE DISTRICTS / DIVISIONS

Mining Division	Sudbury
Land Titles/Registry Division	SUDBURY
Ministry of Natural Resources District	NORTH BAY

TOPOGRAPHIC

LAND TENURE

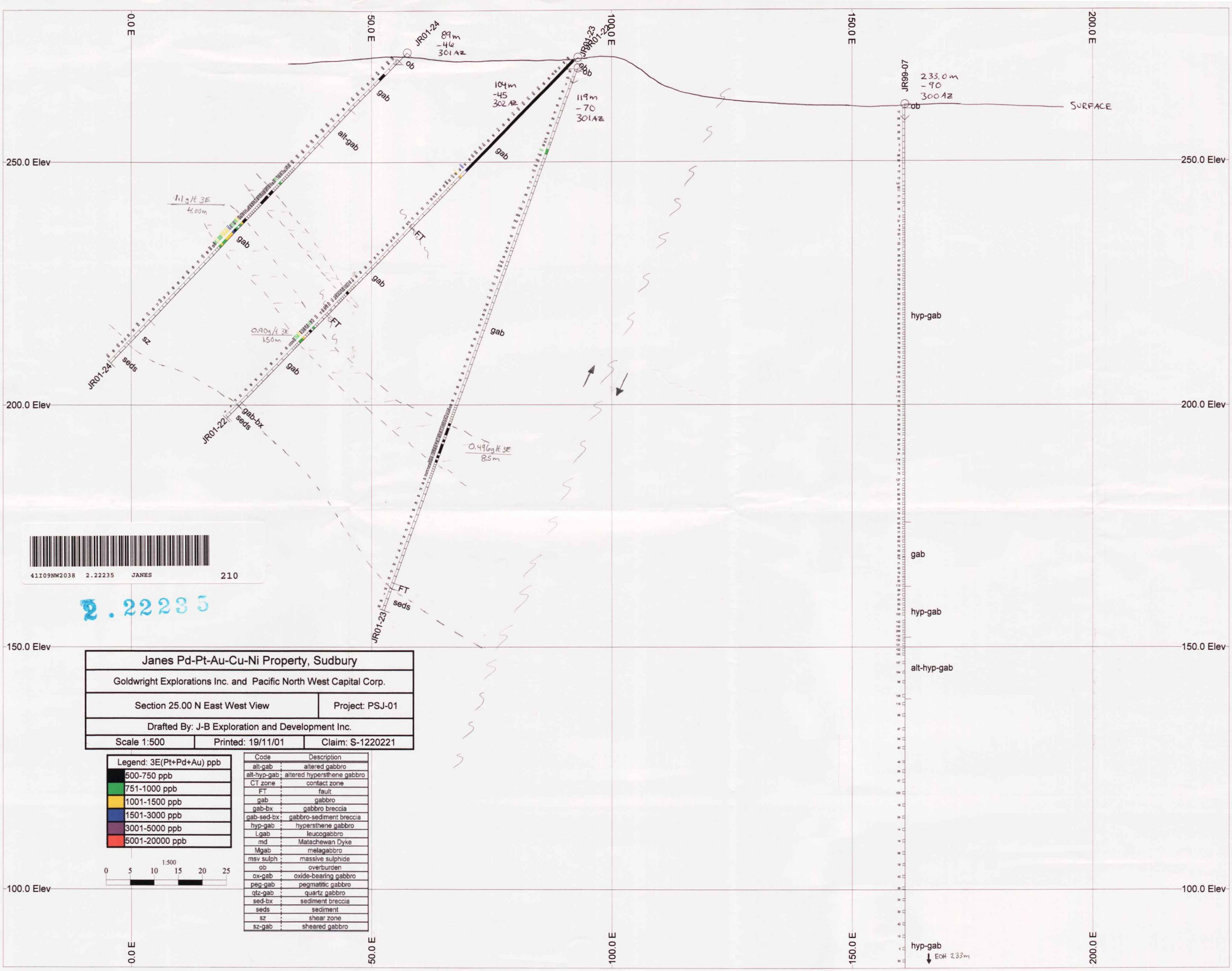
LAND TENURE WITHDRAWALS

IMPORTANT NOTICES

LAND TENURE WITHDRAWAL DESCRIPTIONS

IMPORTANT NOTICES

General Information and Limitations

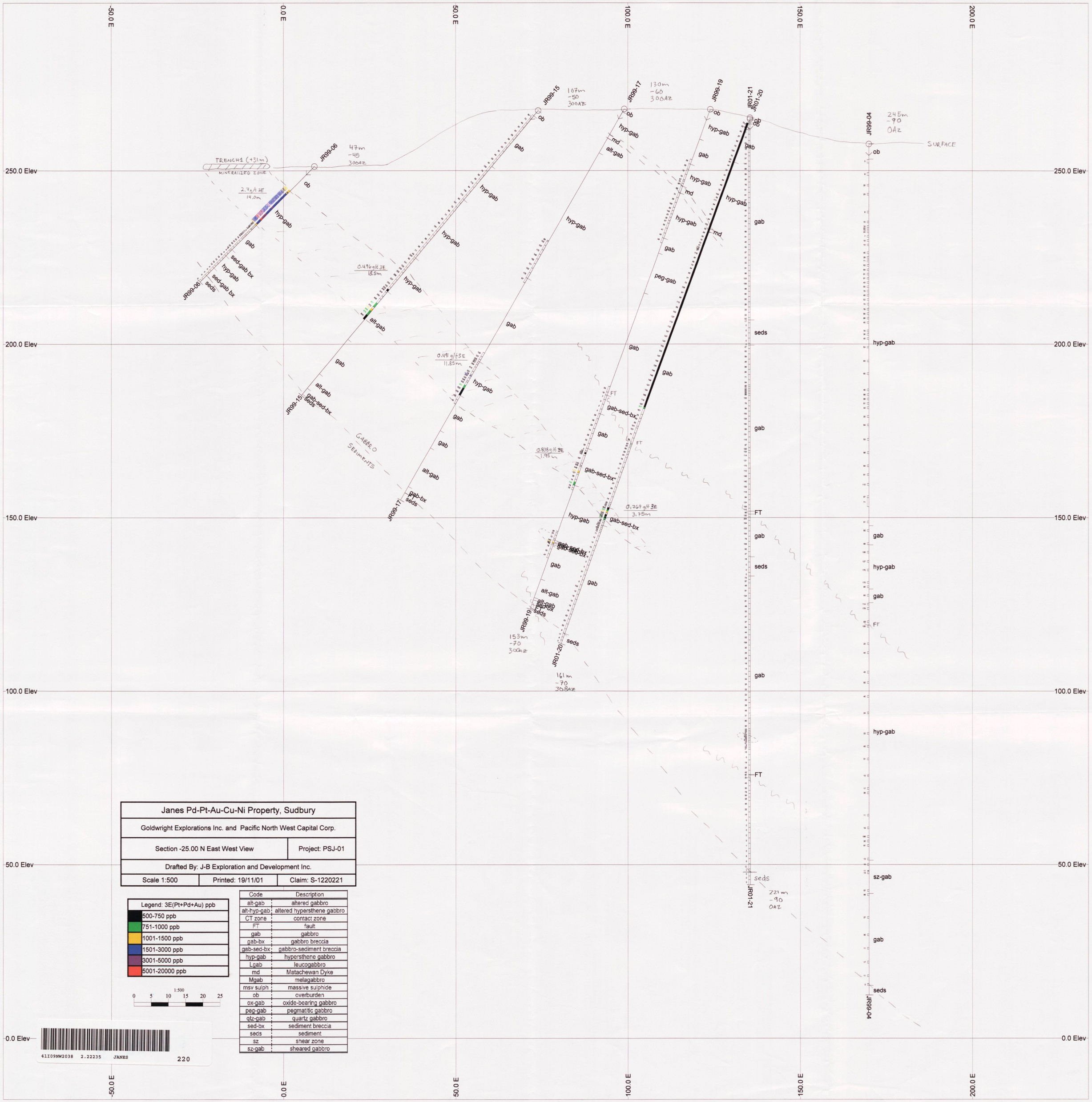


Janes Pd-Pt-Au-Cu-Ni Property, Sudbury		
Goldwright Explorations Inc. and Pacific North West Capital Corp.		
Section 25.00 N East West View		Project: PSJ-01
Drafted By: J-B Exploration and Development Inc.		
Scale 1:500	Printed: 19/11/01	Claim: S-1220221

Legend: 3E(Pt+Pd+Au) ppb
500-750 ppb
751-1000 ppb
1001-1500 ppb
1501-3000 ppb
3001-5000 ppb
5001-20000 ppb

1:500
0 5 10 15 20 25

Code	Description
alt-gab	altered gabbro
alt-hyp-gab	altered hypersthene gabbro
CT zone	contact zone
FT	fault
gab	gabbro
gab-bx	gabbro breccia
gab-sed-bx	gabbro-sediment breccia
hyp-gab	hypersthene gabbro
Lgab	leucogabbro
md	Matachewan Dyke
Mgab	melagabbro
msv sulph	massive sulphide
ob	overburden
ox-gab	oxide-bearing gabbro
peg-gab	pegmatitic gabbro
qtz-gab	quartz gabbro
sed-bx	sediment breccia
seds	sediment
sz	shear zone
sz-gab	sheared gabbro



Janes Pd-Pt-Au-Cu-Ni Property, Sudbury		
Goldwright Explorations Inc. and Pacific North West Capital Corp.		
Section -25.00 N East West View		Project: PSJ-01
Drafted By: J-B Exploration and Development Inc.		
Scale 1:500	Printed: 19/11/01	Claim: S-1220221

Legend: 3E(Pt+Pd+Au) ppb
500-750 ppb
751-1000 ppb
1001-1500 ppb
1501-3000 ppb
3001-5000 ppb
5001-20000 ppb

1:500
0 5 10 15 20 25

Code	Description
alt-gab	altered gabbro
alt-hyp-gab	altered hypersthene gabbro
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gab	gabbro
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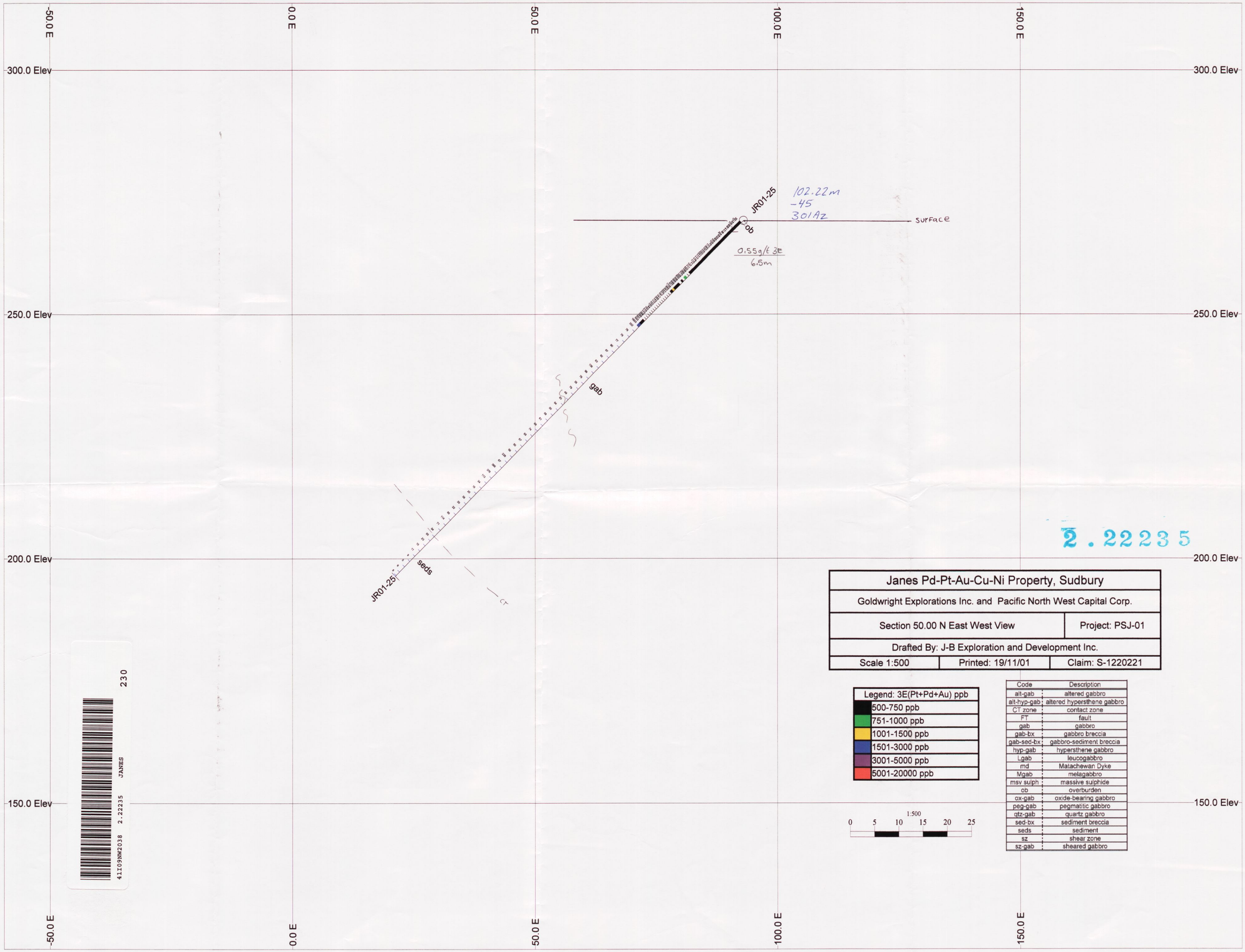
gab-sed-bx	gabbro-sediment breccia
hyp-gab	hypersthene gabbro
Lgab	leucogabbro
md	Matachewan Dyke
Mgab	melagabbro
msv sulph	massive sulphide
ob	overburden
ox-gab	oxide-bearing gabbro
peg-gab	pegmatitic gabbro
qtz-gab	quartz gabbro
sed-bx	sediment breccia
seds	sediment
sz	shear zone
sz-gab	sheared gabbro



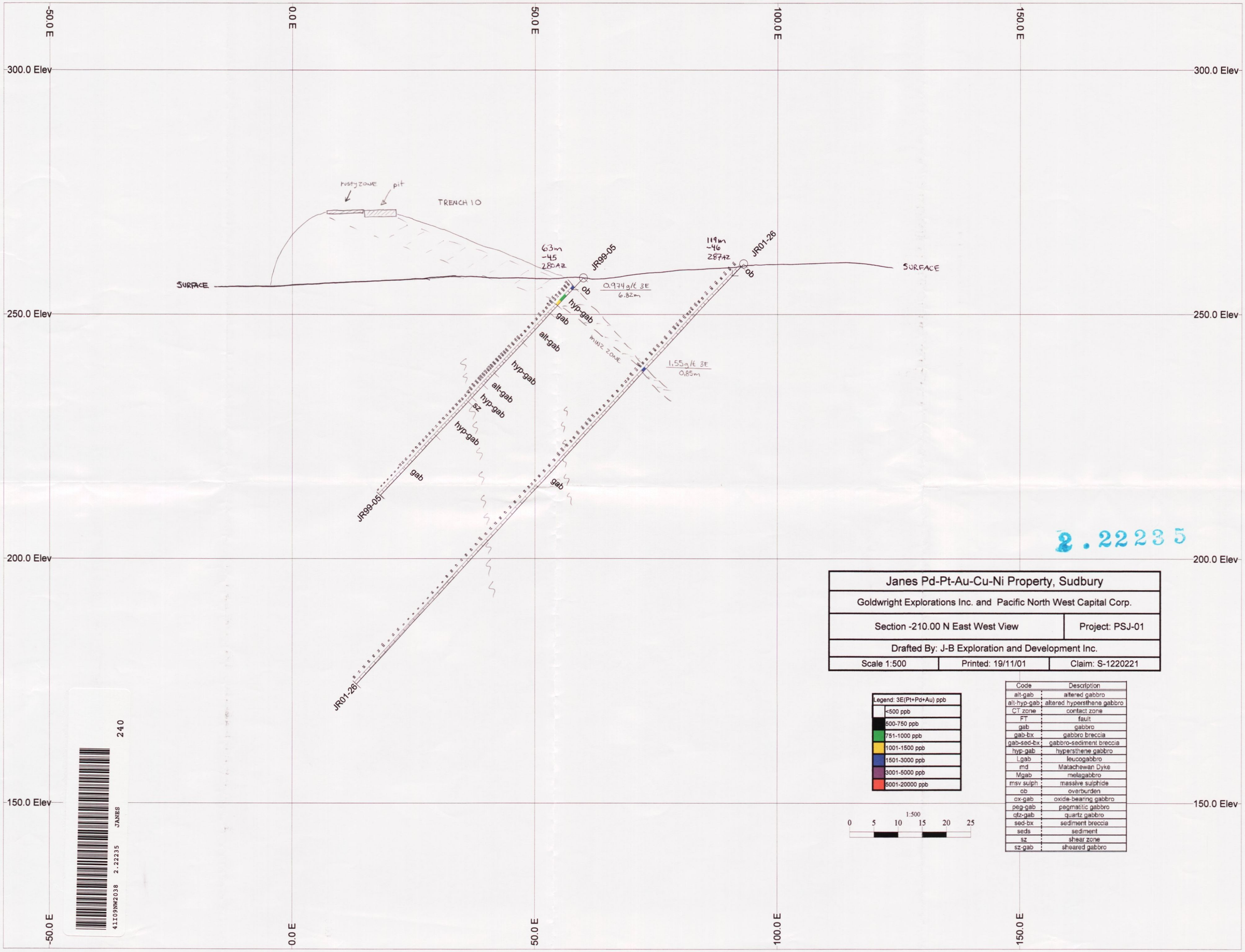
2.22235

Janes Pd-Pt-Au-Cu-Ni Property, Sudbury		
Goldwright Explorations Inc. and Pacific North West Capital Corp.		
Section 50.00 N East West View		Project: PSJ-01
Drafted By: J-B Exploration and Development Inc.		
Scale 1:500	Printed: 19/11/01	Claim: S-1220221

Legend: 3E(Pt+Pd+Au) ppb
500-750 ppb
751-1000 ppb
1001-1500 ppb
1501-3000 ppb
3001-5000 ppb
5001-20000 ppb

1:500
0 5 10 15 20 25

Code	Description
alt-gab	altered gabbro
alt-hyp-gab	altered hypersthene gabbro
CT zone	contact zone
FT	fault
gab	gabbro
gab-bx	gabbro breccia
gab-sed-bx	gabbro-sediment breccia
hyp-gab	hypersthene gabbro
Lgab	leucogabbro
md	Matachewan Dyke
Mgab	melagabbro
msv sulph	massive sulphide
ob	overburden
ox-gab	oxide-bearing gabbro
peg-gab	pegmatitic gabbro
qtz-gab	quartz gabbro
sed-bx	sediment breccia
seds	sediment
sz	shear zone
sz-gab	sheared gabbro



2.22235

Janes Pd-Pt-Au-Cu-Ni Property, Sudbury		
Goldwright Explorations Inc. and Pacific North West Capital Corp.		
Section -210.00 N East West View		Project: PSJ-01
Drafted By: J-B Exploration and Development Inc.		
Scale 1:500	Printed: 19/11/01	Claim: S-1220221

Legend: 3E(Pt+Pd+Au) ppb
<500 ppb
500-750 ppb
751-1000 ppb
1001-1500 ppb
1501-3000 ppb
3001-5000 ppb
5001-20000 ppb

1:500
0 5 10 15 20 25

Code	Description
alt-gab	altered gabbro
alt-hyp-gab	altered hypersthene gabbro
CT zone	contact zone
FT	fault
gab	gabbro
gab-bx	gabbro breccia
gab-sed-bx	gabbro-sediment breccia
hyp-gab	hypersthene gabbro
Lgab	leucogabbro
md	Matachewan Dyke
Mgab	melagabbro
msv sulph	massive sulphide
ob	overburden
ox-gab	oxide-bearing gabbro
peg-gab	pegmatitic gabbro
qtz-gab	quartz gabbro
sed-bx	sediment breccia
seds	sediment
sz	shear zone
sz-gab	sheared gabbro

2.22235

Janes Pd-Pt-Au-Cu-Ni Property, Sudbury

Goldwright Explorations Inc. and Pacific North West Capital Corp.

Janes PGM Project	Project: PSJ-01

Plan View

Drafted By: J-B Exploration and Development Inc.

Scale 1:500	Printed: 19/11/01	Claim: S-1220221

Legend: 3E(Pt+Pd+Au) ppb
<500 ppb
500-750 ppb
751-1000 ppb
1001-1500 ppb
1501-3000 ppb
3001-5000 ppb
5001-20000 ppb

Declination: 11W

1:500

0 5 10 15 20 25

Graph Scale: 1mm=250ppb Pt+Pd+Au (3E)

Hole Name	Drill Depth	East(X)	North(Y)	UTM_E	UTM_N	Elevation
JR99-01	68.00	29.0	0.0	547230.81	5171103.15	258.88
JR99-02	24.00	12.0	181.0	547301.74	5171272.99	256.59
JR99-03	14.00	7.0	189.0	547300.63	5171282.30	256.09
JR99-04	245.00	170.0	-29.0	547346.82	5171011.18	257.71
JR99-05	63.00	60.0	-213.0	547147.68	5170907.26	257.50
JR99-06	47.00	9.0	-31.0	547199.08	5171088.19	251.21
JR99-07	233.00	161.0	29.0	547363.68	5171065.79	261.70
JR99-08	44.00	37.0	165.0	547316.11	5171248.07	264.90
JR99-09	62.00	39.5	-164.0	547163.52	5170953.42	258.84
JR99-10	70.00	46.0	-89.0	547207.88	5171015.85	259.41
JR99-11	60.00	31.0	0.0	547232.50	5171103.96	258.88
JR99-12	60.00	13.0	71.0	547248.84	5171173.30	254.71
JR99-13	51.00	51.0	197.0	547339.58	5171271.88	259.09
JR99-14	101.00	66.0	0.0	547266.49	5171088.03	268.62
JR99-15	107.00	74.0	-31.0	547263.93	5171056.11	267.28
JR99-16	43.00	69.5	-164.0	547193.10	5170938.25	260.10
JR99-17	130.00	99.0	-31.0	547289.33	5171045.15	267.75
JR99-18	62.00	53.0	71.0	547282.97	5171155.41	267.19
JR99-19	153.00	124.0	-31.0	547312.69	5171033.63	267.64
JR01-20	161.00	135.5	-22.0	547326.09	5171036.86	264.81
JR01-21	221.00	135.5	-22.0	547327.10	5171036.61	265.20
JR01-22	104.40	93.0	25.0	547300.80	5171096.56	271.56
JR01-23	119.00	93.0	25.0	547268.45	5171114.44	269.38
JR01-24	89.00	57.5	25.0	547301.64	5171095.29	272.67
JR01-25	102.22	93.0	50.0	547311.07	5171121.27	269.22
JR01-26	119.00	93.0	-201.0	547181.04	5170894.47	260.35

Janes Pd-Pt-Au-Cu-Ni Property, Sudbury

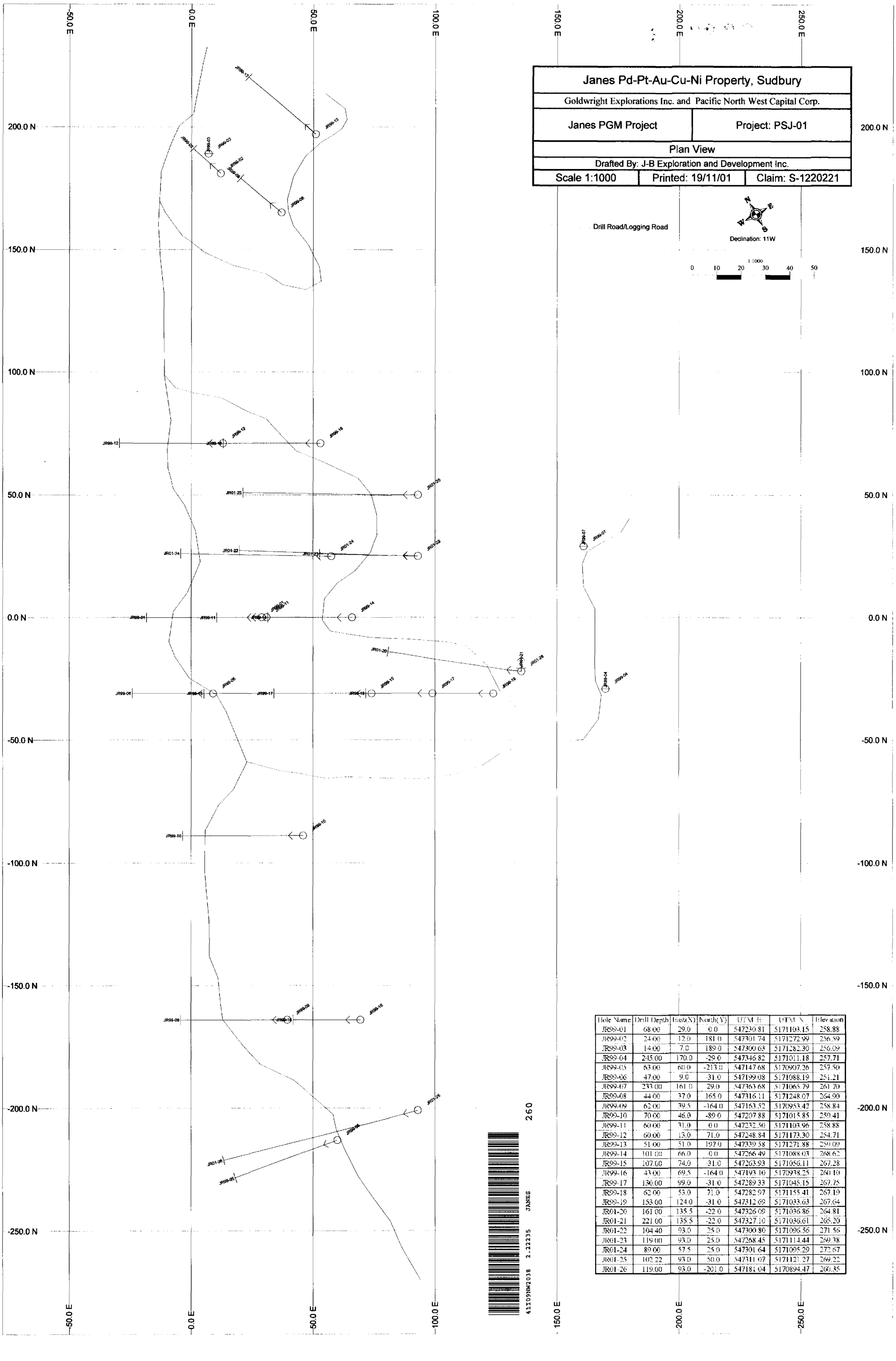
Goldwright Explorations Inc. and Pacific North West Capital Corp.

Janes PGM Project	Project: PSJ-01

Plan View

Drafted By: J-B Exploration and Development Inc.

Scale 1:1000	Printed: 19/11/01	Claim: S-1220221



Hole Name	Drill Depth	East(X)	North(Y)	UTM E	UTM N	Elevation
JR99-01	68.00	29.0	0.0	547230.81	5171103.15	258.88
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JR99-04	245.00	170.0	-29.0	547346.82	5171011.18	257.71
JR99-05	63.00	60.0	-213.0	547147.68	5170907.26	257.50
JR99-06	47.00	9.0	-31.0	547199.08	5171088.19	251.21
JR99-07	233.00	161.0	29.0	547363.68	5171065.79	261.70
JR99-08	44.00	37.0	165.0	547316.11	5171248.07	264.90
JR99-09	62.00	39.5	-164.0	547163.52	5170953.42	258.84
JR99-10	70.60	46.0	-89.0	547207.88	5171015.85	259.41
JR99-11	60.00	31.0	0.0	547232.50	5171103.96	258.88
JR99-12	60.00	13.0	71.0	547248.84	5171173.30	254.71
JR99-13	51.00	51.0	197.0	547339.58	5171271.88	259.09
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JR99-15	107.00	74.0	-31.0	547263.93	5171056.11	267.28
JR99-16	43.00	69.5	-164.0	547193.10	5170938.25	260.10
JR99-17	130.00	99.0	-31.0	547289.33	5171045.15	267.75
JR99-18	62.00	53.0	71.0	547282.97	5171155.41	267.19
JR99-19	153.00	124.0	-31.0	547312.69	5171033.63	267.64
JR01-20	161.00	135.5	-22.0	547326.09	5171036.86	264.81
JR01-21	221.00	135.5	-22.0	547327.10	5171036.61	265.20
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JR01-24	89.00	57.5	25.0	547301.64	5171095.29	272.67
JR01-25	102.22	93.0	50.0	547311.07	5171121.27	269.22
JR01-26	119.00	93.0	-201.0	547181.04	5170894.47	260.35

MINISTRY OF NORTHERN DEVELOPMENT AND MINES

PROVINCIAL MINING RECORDER'S OFFICE

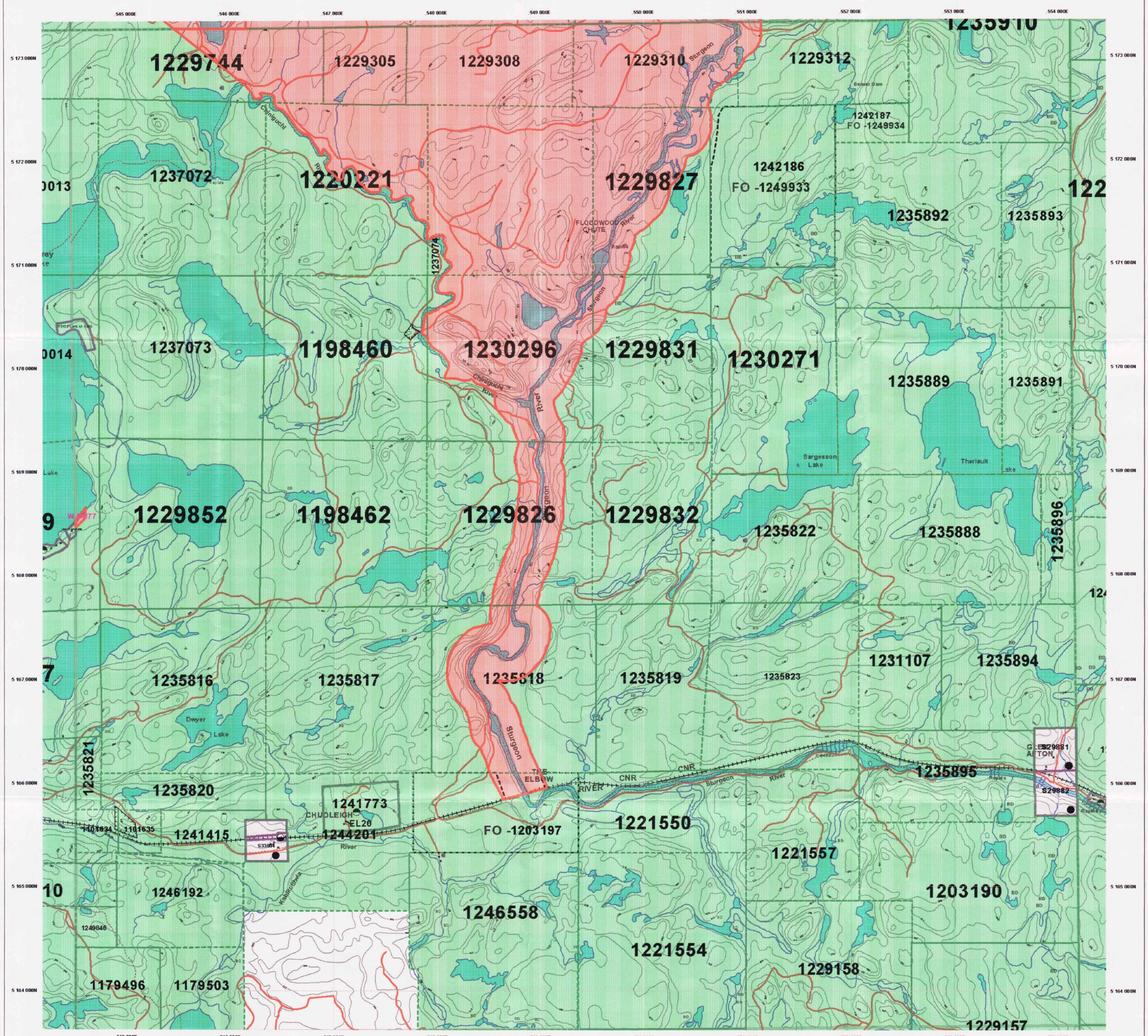
MINING LAND TENURE MAP

Date / Time of Issue Nov 30 2001 10:51h Eastern

TOWNSHIP / AREA	PLAN
JANES	G-2907

ADMINISTRATIVE DISTRICTS / DIVISIONS

Mining Division	Sudbury
Land Titles/Registry Division	SUDBURY
Ministry of Natural Resources District	NORTH BAY



TOPOGRAPHIC

- Administrative Boundaries
- Township
- Concession, Lot
- Provincial Park
- Indian Reserve
- Cliff, Pit and Pile
- Contour
- Contour - Approx. /Auxiliary Depression
- Shaft
- Mine Headframe
- Railway
- Road
- Trail
- Natural Gas Pipeline
- Hydro Line
- Communication Line
- Wooded Area
- Monument - Cadastral, Historical, Horiz. Control

LAND TENURE

Freehold Patent
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

Leasehold Patent
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

Licence of Occupation
- Uses not Specified
- Surface And Mining Rights
- Surface Rights Only
- Mining Rights Only

- LUP — Land Use Permit
- OIC — Order in Council
- WPL — Water Power Lease Agreement
- 1234567 — Mining Claim

LAND TENURE WITHDRAWALS

1234 — Areas Withdrawn from Disposition

Mining Act Withdrawal Types
- Wsm — Surface and Mining Rights Withdrawn
- Ws — Surface Rights Only Withdrawn
- Wm — Mining Rights Only Withdrawn

Order in Council Withdrawal Types
- W*sm — Surface and Mining Rights Withdrawn
- W*s — Surface Rights Only Withdrawn
- W*m — Mining Rights Only Withdrawn

Ns — IMPORTANT NOTICES

0 m — 1000.0 m

LAND TENURE WITHDRAWAL DESCRIPTIONS

Identifier	Type	Date	Description
W.94/77	Ws	Jan 1 1980	SEC.43/70 W.94/77.6/12/77.SRO 180530
W-LL-F173	Wsm	Nov 21 2001	Mining and Surface rights withdrawn Section 35 of the Mining Act RSO 1990 Order # W-LL-2001/01 ONT, Nov. 21, 2001 Note: this boundary closely represents the area that is being proposed for regulation and may be subject to further change.
W-LL-F174	Wsm	Nov 21 2001	Mining and Surface rights withdrawn Section 35 of the Mining Act RSO 1990 Order # W-LL-2001/01 ONT, Nov. 21, 2001 Note: this boundary closely represents the area that is being proposed for regulation and may be subject to further change.
W-LL-P173	Wsm	Nov 21 2001	Mining and Surface rights withdrawn Section 35 of the Mining Act RSO 1990 Order # W-LL-2001/01 ONT, Nov. 21, 2001 Note: this boundary closely represents the area that is being proposed for regulation and may be subject to further change.
W-LL-P174	Wsm	Nov 21 2001	Mining and Surface rights withdrawn Section 35 of the Mining Act RSO 1990 Order # W-LL-2001/01 ONT, Nov. 21, 2001 Note: this boundary closely represents the area that is being proposed for regulation and may be subject to further change.

IMPORTANT NOTICES

Areas under which special regulations, limitations or conditions exist that affect normal prospecting, staking and mineral development activities.

Those wishing to stake mining claims should consult with the Provincial Mining Recorders' Office of the Ministry of Northern Development and Mines for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Lands Titles or Registry Office, or the Ministry of Natural Resources.

The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Ministry of Northern Development and Mines web site.

General Information and Limitations

Contact Information:
Provincial Mining Recorders' Office Toll Free
Willet Green Miller Centre Tel: 1 (888) 415-9845
933 Ramsey Lake Road Fax: 1 (877) 670-1444
Sudbury, ON P3E 6B5
Home Page: www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

Map Datum: NAD 83
Projection: UTM (6 degree)
Topographic Data Source: Land Information Ontario
Mining Land Tenure Source: Provincial Mining Recorders' Office

This map may not show unregistered land tenure and interests in land including certain patents, leases, easements, right of ways, flooding rights, licenses, or other forms of disposition of rights and interest from the Crown. Also certain land tenure and land uses that restrict or prohibit free entry to stake mining claims may not be illustrated.