1987 SUMMARY REPORT
on the
SKY 4 & 5 AND SPRAY 1 & 2 CLAIMS

12/88

Located in the Iskut River Area
Liard Mining Division
British Columbia
NTS 104B/10W

at

56°~~41'~~ 39'38" North Latitude
130°~~59'~~ 59'36" West Longitude

- Prepared for -

Operator: **HECTOR RESOURCES INC.**
Owner: Skyline Explorations Ltd.

- Prepared by -

S.L. TODORUK, GEOLOGIST
C.K. IKONA, P.Eng.

December 1987

1987 SUMMARY REPORT on the SKY 4 & 5 and SPRAY 1 & 2 CLAIMS

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1.0 INTRODUCTION

Hector Resources Inc.'s Sky 4 & 5 and Spray 1 & 2 mineral claims (70 units) were acquired through an option agreement with Skyline Explorations Ltd. in 1986. The property is located in the Iskut River area where Skyline is readying its Stonehouse Gold deposit for production in early 1988. Inel Resources Ltd. has begun an underground drifting program to intersect its polymetallic Discovery Zone and Delaware Resources Ltd./Cominco have just recently confirmed they will be starting an underground program to test their Twin Zone gold discovery in early 1988. Also in 1987, Gulf International Minerals Ltd., Tungco Resources Corporation and Western Canadian Mining Corp. all carried out major exploration and drilling projects with considerable success.

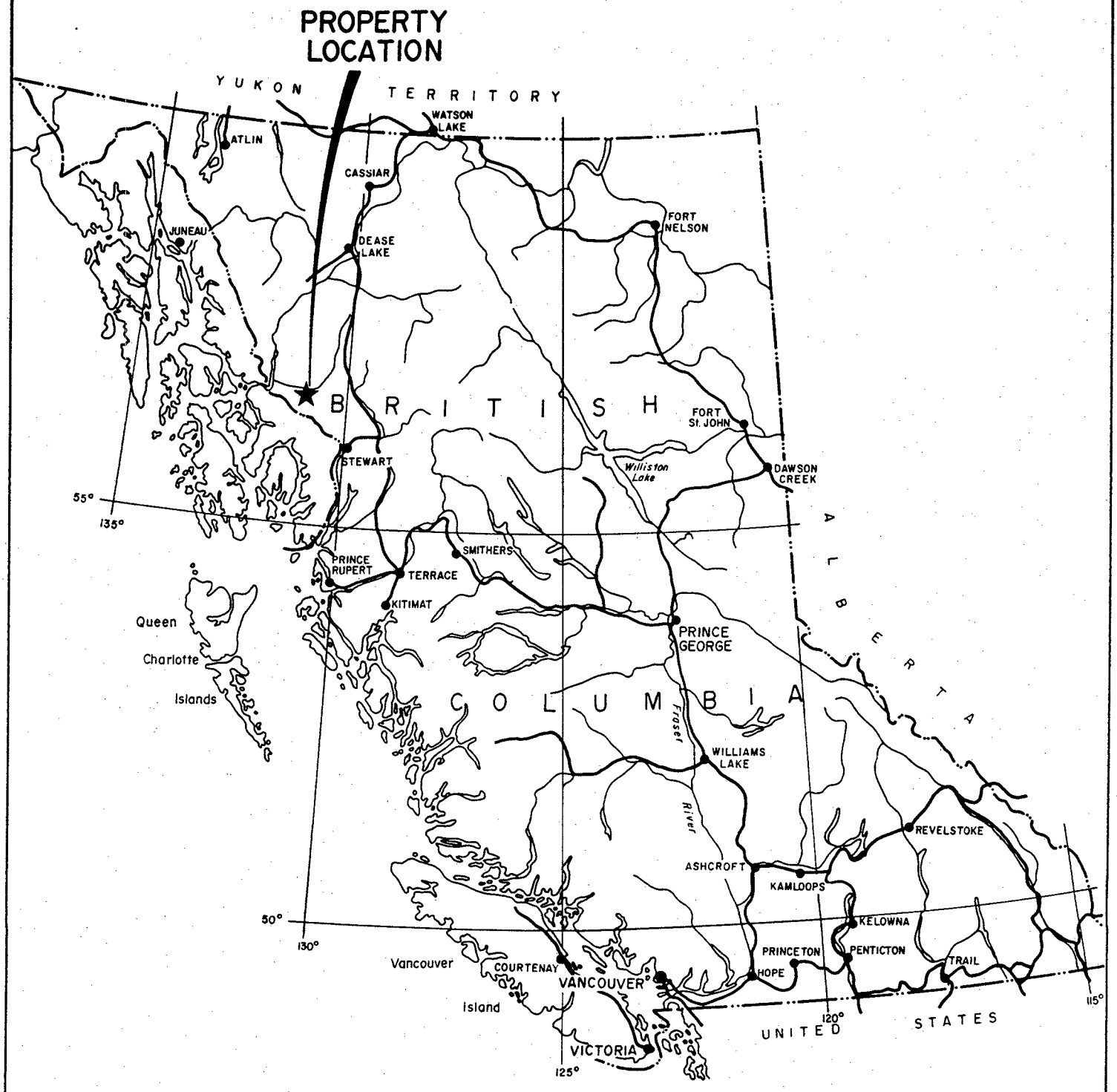
A total of 140 man days were spent prospecting, mapping, rock chip/soil sampling, geophysical surveying and trenching on the Hector property.

As a result of the above program, an auriferous quartz/pyrite vein structure extending approximately 300 metres was discovered on the central Sky 5 claim block. Fifteen short diamond drill holes totalling 610 metres were drilled along this structure. The zone to date has been intersected to depths of 35 metres below surface.

Introductory material for this report has been abridged from the March, 1987 Geological Report on the Sky 4 & 5 and Spray 1 & 2 Mineral Claims written by Todoruk and Ikona.

2.0 LIST OF CLAIMS

Records of the British Columbia Ministry of Energy, Mines and Petroleum Resources indicate that the following claims (Figure 2) are owned by Skyline Explorations Ltd. Separate documents indicate the claims are under option to Hector Resources Inc.



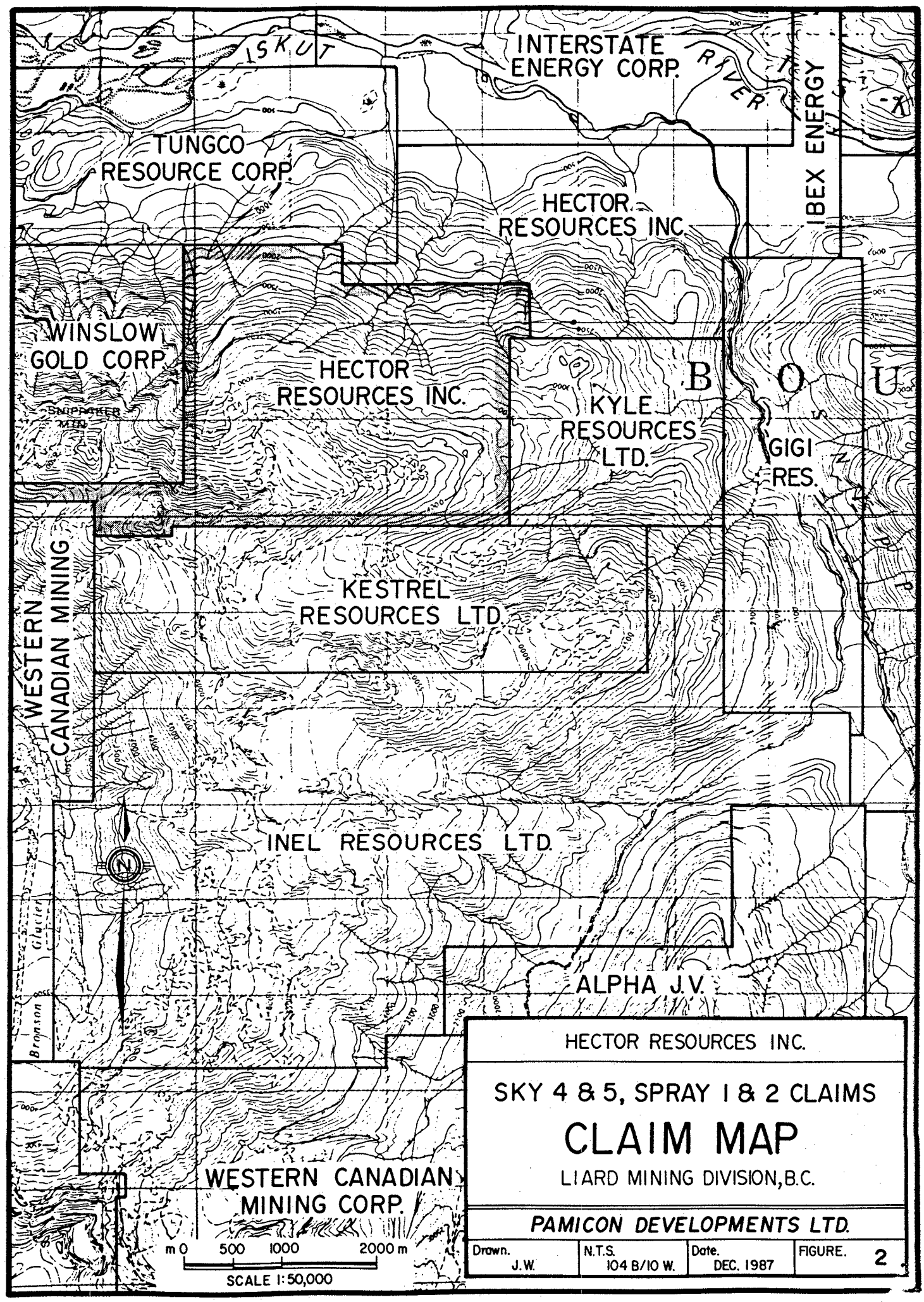
HECTOR RESOURCES INC.

SKY 4 & 5, SPRAY 1 & 2 CLAIMS
PROPERTY LOCATION MAP

0 100 200 MILES
0 100 200 300 KILOMETRES

PAMICON DEVELOPMENTS LTD.

Drawn.	N.T.S.	Date.	FIGURE.
J.W.	104 B/10W	DEC. 1987	1.



HECTOR RESOURCES INC.

SKY 4 & 5, SPRAY 1 & 2 CLAIMS

CLAIM MAP

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

Drawn.	N.T.S.	Date.	FIGURE.
J.W.	104 B/10 W.	DEC. 1987	2

Claim Name	Record Number	No. of Units	Record Date
Spray 1	2575	20	13 September, 1982
Spray 1	2576	10	13 September, 1982
Sky 4	2571	20	13 September, 1982
Sky 5	2572	20	13 September, 1982

3.0 LOCATION, ACCESS AND GEOGRAPHY

The Spray 1 & 2 and Sky 4 & 5 mineral claims are located approximately 80 kilometres east of Wrangell, Alaska, and 100 kilometres northwest of Stewart, British Columbia, on the eastern edge of the Coast Range Mountains (Figure 1). The Iskut River flows 1.5 kilometres to the north, while Snippaker Creek is situated three kilometres to the east. Coordinates of the claims area are 56° 41' north latitude and 130° 59' west longitude, and the property falls under the jurisdiction of the Liard Mining Division.

Access to the property is via helicopter from the Bronson Creek gravel air strip, located approximately eight kilometres to the west. Daily scheduled flights to the strip from Smithers, Terrace and Wrangell, Alaska have been available during the field season using a variety of fixed wing aircraft.

The construction of a road 65 kilometres long has been proposed by C.K. Ikona of Pamicon Developments Limited on behalf of Skyline Explorations Ltd. The road would be situated on the south side of the Iskut Valley to connect the Stewart-Cassiar Highway with a proposed BC Hydro dam site on the Iskut River and Skyline's Stonehouse Gold deposit on Bronson Creek.

Geographically, the area is typical of mountainous and glaciated terrain with the elevations ranging from a few hundred metres above sea level in the river valley bottoms to in excess of 1500 metres at the ridge tops. Major drainages are U-shaped, whereas smaller side creeks tend to be steeply cut due to the

intense erosional environment. Active glaciation is prevalent above the 1200 metre contour, with the tree line existing at 1000 metres. The upper reaches of the area are covered with alpine vegetation. The lower slopes are predominantly timbered with a variety of conifers with an undergrowth of devil's club. More open areas and steeper slopes contain dense slide alder growth. Both summer and winter temperatures would be considered generally moderate and in excess of 200 centimetres of precipitation may be expected during any given year.

4.0 AREA HISTORY

The first recorded work done in the Iskut Region occurred in 1907 when a prospecting party from Wrangell, Alaska staked nine claims north of Johnny Mountain. Iskut Mining Company subsequently worked crown granted claims along Bronson Creek and on the north slope of Johnny Mountain. Up to 1920, a 9 metre adit revealed a number of veins and stringers hosting galena and gold-silver mineralization.

In 1954, Hudsons Bay Mining & Smelting located the Pick Axe showing and high grade gold-silver-lead-zinc float on the open upper slopes of Johnny Mountain, which today is part of Skyline Explorations Ltd.'s Reg deposit. The claims were worked and subsequently allowed to lapse.

During the 1960s, several major mining companies conducted helicopter borne reconnaissance exploration programs in a search for porphyry-copper-molybdenum deposits. Several claims were staked on Johnny Mountain and on Sulphurets Creek.

Between 1965 and 1971, Silver Standard Mines, and later Sumitomo, worked the E + L prospect on Nickel Mountain at the headwaters of Sulphurets Creek. Work included trenching, drilling and 460 metres of underground development work. Reserves include 3.2 million tons of 0.80% nickel and 0.60% copper.

In 1969 Skyline staked the Inel property after discovering massive sulphide float originating from the head of the Bronson Creek glacier.

During 1972, Newmont Mining Corporation of Canada Limited carried out a field program west of Newmont Lake on the Dirk claim group. Skarn-type mineralization was the target of exploration. Work consisted of airborne and ground magnetic surveys, geological mapping and diamond drilling. One and one-half metres grading 0.220 ounces gold per ton and 15.2 metres of 1.5% copper was intersected on the Ken showing.

After restaking the Reg property in 1980, Skyline carried out trenching and drilling for veined high-grade gold and polymetallic massive sulphide mineralization on the Reg and Inel deposits between 1981 and 1985.

In 1986, drilling and 460 metres of underground cross-cutting and drifting on the Stonehouse Gold Zone confirmed the presence of high grade gold mineralization with additional values in silver and copper over mineable widths with good lateral and depth continuity. As of March 1987, reserves on the Stonehouse Gold Zone were reported as:

	Au (oz)	Ag (oz)	Cu (%)	Tons
Total Measured	1.328	1.91	1.50	79,848
Total Drill-Indicated	0.671	0.97	0.78	153,598
Total Inferred	0.670	0.70	0.67	705,000
Total	0.730	0.85	0.76	938,446

(New ore reserve calculations will be announced in December, 1987. It is anticipated reserves and grades will be noticeably higher than reported above.)

On the Delaware Resources Ltd. - Cominco Snip claims immediately north of the Stonehouse Gold deposit, approximately 10,000 metres of diamond drilling was carried out, mainly delineating the Twin Zone. Drill hole S-71 intersected 10.2 metres of 2.59 oz/ton gold. An underground program is expected to begin in early 1988. As of December, 1987, reserves on the Twin Zone were reported as:

	Au (oz)	Tons
Total Inferred	0.700	1,100,000

Also, during 1987 Inel Resources Ltd. commenced an underground drifting and diamond drilling program along the main cross-cut intent on intersecting the Discovery Zone which hosts gold-bearing polymetallic massive sulphide mineralization.

Western Canadian Mining Corp. carried out an extensive diamond drilling program on their Gosson claims, concentrating on the Khyber Pass Gold Zone which is 45 metres thick. The best drill hole intersection in this zone to date is as follows:

Hole	From (m)	To (m)	Length (m)	Length (ft)	Gold (oz/t)	Silver (oz/t)	Copper (%)
85-3	11.2	16.8	5.6	18.4	0.12	6.48	1.74
	30.2	44.2	5.2	17.1	0.17	2.66	0.90
	54.5	60.1	5.6	18.4	0.15	1.77	--
	66.0	69.0	3.0	9.8	0.28	1.54	--

Tungco Resources Corporation drill tested three main gold/copper quartz vein targets; the Bluff, No. 7 and Swamp Zones. The Bluff Zone has been delineated 70 metres along strike and 60 metres downdip with better intersections grading up to 0.243 oz/ton gold across 2.45 metres. The No. 7 Vein returned 1.12 metres of 0.651 oz/ton gold.

5.0 REGIONAL GEOLOGY

Government mapping of the general geology in the Iskut River area (Kerr, 1929, GSC Maps 9-1957 and 1418-1979) has proved to be incomplete and unreliable. Subsequent mineral exploration studies have greatly enhanced the lithological and stratigraphic knowledge of this geo-entity known as the Stewart Complex (Grove, 1986).

Grove (1986) defines the Stewart Complex in the following manner:

> "The Stewart Complex lies along the contact between the Coast Plutonic Complex on the west, the Bowser Basin on the east, Alice Arm on the south and the Iskut River on the north."

Within the Stewart Complex the oldest rock unit consists of Paleozoic crinoidal limestone overlying metamorphosed sedimentary and volcanic members. This oceanic assemblage has been correlated with the Cache Creek Group.

Unconformably overlying the Paleozoic limestone unit are Upper Triassic Hazelton Group island arc volcanics and sediments. These rocks have informally been referred to as the "Snippaker Volcanics." Grove (1981) correlates this assemblage to the Unuk River Formation of the Stewart Complex whereas other writers match this group with the time equivalent Stuhini Volcanics. Monotis fossils have been recognized on the north slope of Snippaker Peak and west of Newmont Lake, 20 km to the north, giving an age Late Triassic. It is within these rocks that Skyline's Stonehouse Gold and Inel deposits occur (Figure 3).

Grove reports an unconformable contact between Carboniferous and Middle Jurassic strata on both sides of Snippaker Ridge, north of Snippaker Peak. The same unconformable relationship between these major rock units appears to extend from Forrest Kerr Creek west, along the Iskut River, to the Stikine River junction. Present interpretation suggests an east-west trending thrust along the axis of the Iskut River which, like the King Salmon Thrust Fault, pushed up and over to the south.

UNMAPPED

PROPERTY LOCATION

56°45'

131°00'

LEGEND

CENOZOIC

RECENT

CENOZOIC — 1 — Basalt Flows

MESOZOIC

TRIASSIC-JURASSIC

MESOZOIC — 2 — Hazelton Group Volcanics; Sediments

PALEOZOIC

PERMIAN

PALEOZOIC — 3 — Mainly white crinoidal limestone; minor amounts of chert, quartzite, argillite, slate and schist

PRE-PERMIAN

PALEOZOIC — 4 — Quartzite, schist, slate, argillite, limestone; schistose, tuff, highly altered extrusives, and/or intrusives, highly crystalline schist, gneiss

INTRUSIVE ROCKS

TRIASSIC TO CRETACEOUS

MESOZOIC — A — Acid Intrusives; syenite, syenodiorite, feldspar porphyry, felsite, alaskite

MESOZOIC — B — Coast Plutonic Complex; quartz monzonite, granodiorite, gabbro, granite

Km 0 5 10 15 Km

SCALE 1: 250,000

HECTOR RESOURCES INC.

ISKUT RIVER AREA
REGIONAL GEOLOGY

LIARD MINING DIVISION
BRITISH COLUMBIA

PAMICON DEVELOPMENTS LTD.

Drawn.	N.T.S.	Date.	Fig.
J.W.	104 B/14 E, 15W		3

Following the Iskut River thrust faulting, the entire region was overlain by Middle Jurassic Hazelton Group volcanic-sedimentary rocks named the Betty Creek Formation by Grove (1986).

The batholithic Coast Plutonic Complex intrusions in the Iskut region are of Cretaceous and Tertiary age. Composition varies from quartz monzonite and granodiorite to granite. Satellitic subvolcanic acidic porphyries may be important in the localization of mineralization.

Quaternary and Tertiary volcanics occur to the east along the Iskut River near Forrest Kerr Creek and north at Hoodoo Mountain.

6.0 PROPERTY GEOLOGY

Two main units cover the subject property (Figures 4 and 4A). A basal sequence of greywacke with minor interbedded siltstone is overlain by andesite agglomerate. Although not yet found on surface, hornblende porphyry dykes were seen in diamond drill holes intruding the sediments. The units are described below:

Unit 1 - Greywacke/Siltstone: Medium grained, gritty, green colouration, pervasive weak to moderate chlorite alteration, often laminated, locally silicified and strongly fractured. Overall, less than 1% disseminated pyrite throughout.

Unit 2 - Andesite Agglomerate: Andesite fragments with plagioclase and hornblende phenocrysts up to 1 cm set in an andesitic matrix. Fragments are subangular to subrounded and up to 40 cm in size. Overall green colouration. Less than 1% pyrite.

Unit 3 - Hornblende Porphyry Dyke: Medium green colour, hornblende phenocrysts up to 1.3 cm, hornblende crystals often replaced by pyrite, strongly magnetic, calcite amygdules up to 3 mm.

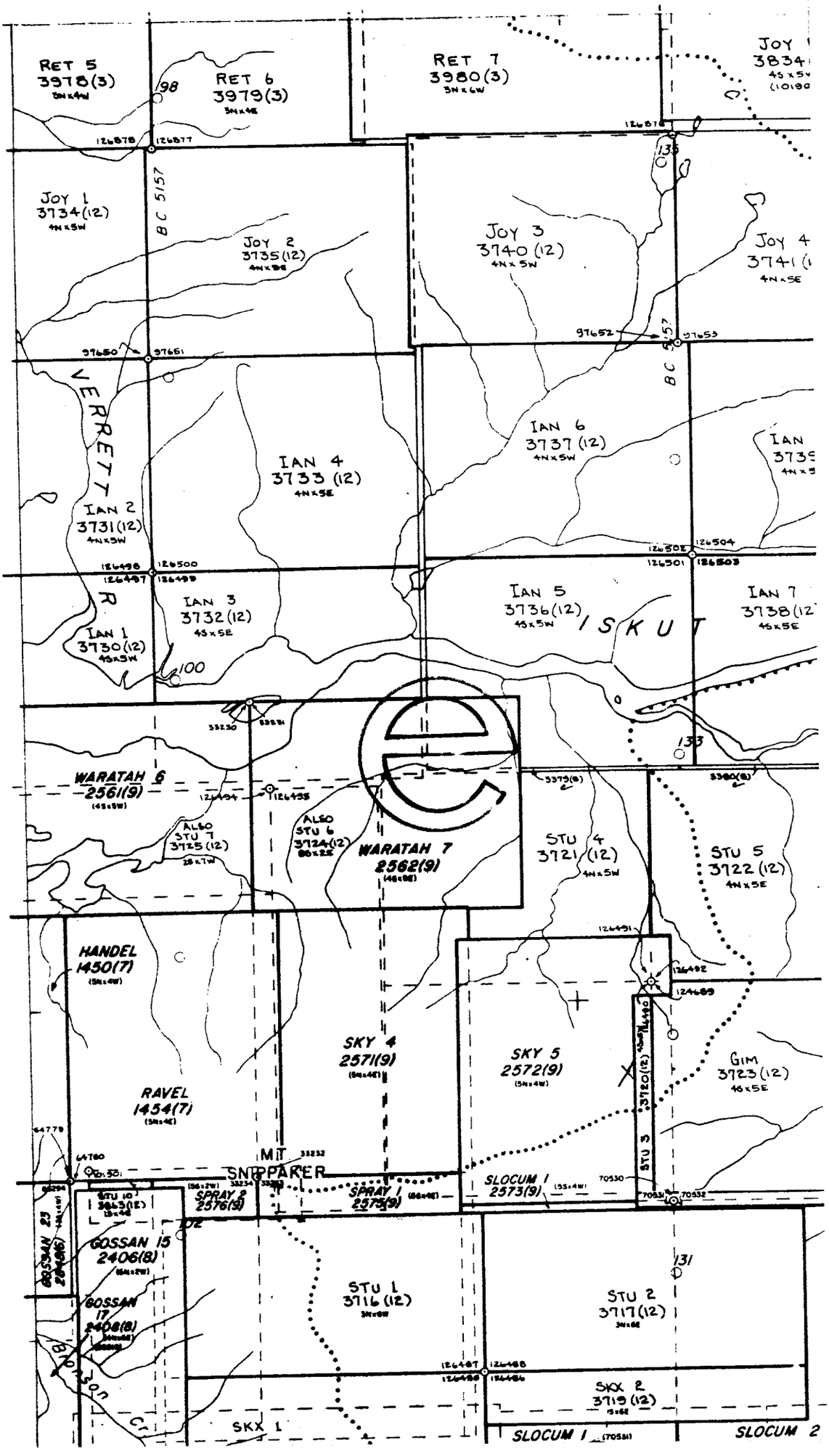
PROVINCIAL BRANCH
ASSESSMENT REPORT

16878

M 104B/10W

NTS

1:50,000



7.0 STRUCTURE

The most significant mineralization found to date on the property - the Golden Spray Zone - is closely confined to a very prominent northwesterly-southeasterly trending lineament which is referred to as the Main Creek. On air photos this structure stretches in excess of 1000 metres. At present, auriferous quartz veining exposed in trenches within the Golden Spray Zone strike along 300 metres within this structure. A second parallel northwest-southeast trending lineament which is equally as prominent lies approximately 200 metres to the north. Intersecting both of these structures is a north-south lineament which trends directly through the north end of the Golden Spray zone. Fault off-set displacement may be present within the zone.

8.0 GEOCHEMISTRY

Soil samples were taken from the "B" horizon at about 30 cm depth.

A total of 422 soil samples were collected along north-south crosslines over an area including and surrounding the Golden Spray Zone (Figures 5, 6, 7). Samples were taken every 25 metres. Survey lines were compassed and hip-chained 100 metres apart. The survey grid was tightened up in the immediate vicinity of the Golden Spray Zone with 50 metre lines. A test grid with spacings every 10 metres was placed immediately around the Golden Spray Vein.

Data analysis included simple statistics (mean, standard deviation and threshold) and lognormal cumulative probability plot for copper, arsenic and gold. Results of this study are appended (Appendix III).

On the Hector property, a layer of glacial overburden up to two metres in thickness covers most of the claims. This material is extremely compact with a strong clay component.

To date, soils have identified several multi-element anomalous zones which warrant follow-up examination (Figures 5, 6, 7). In the immediate area of the Golden Spray Vein in Trench 87-3, a soil sample collected directly above the

vein with only a few centimetres of the resistant overburden produced the highest geochem anomaly as listed below:

Sample No.	Cu (ppm)	Pb (ppm)	Zn (ppm)	Fe (%)	As (ppm)	Ag (ppm)	Au (ppb)
L 0+50E/0+25S	645	378	100	25.93	10,069	17.8	1,100

The detailed 10 metre spaced grid in this area produced two additional anomalous samples (Figures 5, 6, 7).

9.0 MINERALIZATION

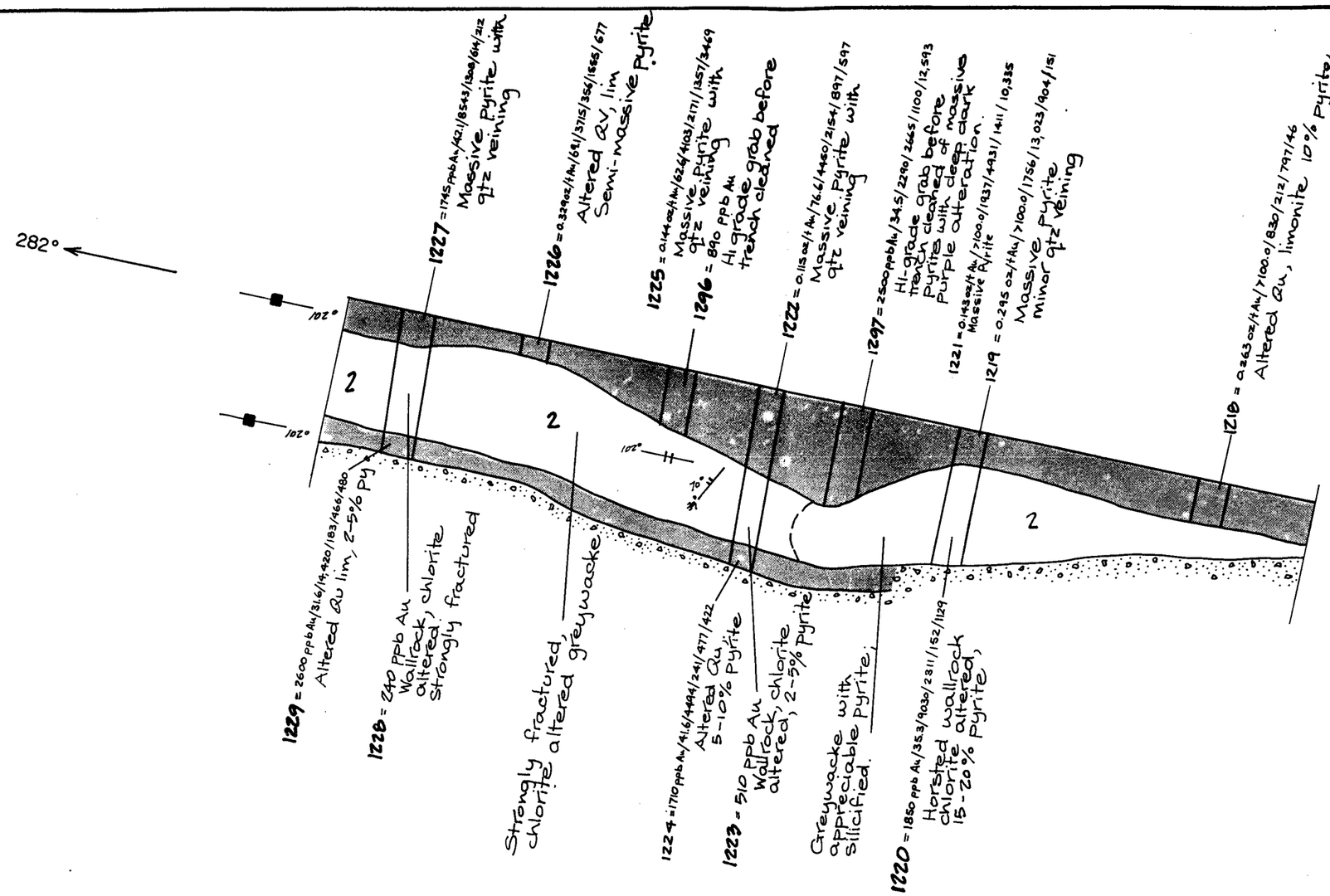
GOLDEN SPRAY ZONE

Five trenches (87-1 to 87-5) were dug, blasted and excavated along a 300 metre strike length of the Golden Spray Zone on the Sky 5 claim block (Figure 4). The zone is at the 1000 metre elevation level just at tree line.

TRENCH 87-1

Massive pyrite in quartz veining is exposed for 10 metres along strike (Figure 8). The zone trends 102/90 and is a possible off-set of Trench 87-2. The trend of the zones exposed in Trench 87-1 and 87-2 appears to be of a different orientation than in Trenches 87-3 to 87-5.

In the trench, two parallel veins are separated by up to 1.0 metre of fractured, chloritic greywacke wallrock. The northern vein swells up to 1.1 metres in width. Significant assay values are listed below:



SCALE 1:50

m 0 .5 1 2 3 m

NOTE:
Geochem values as: ppb or oz/t Au/ppm Ag/ppm As/ppm Cu/ppm Pb/ppm Zn

LEGEND

- 2 — GREYWACKE
- 1 — ANDESITE AGGLOMERATE
- QUARTZ VEIN
- FRACTURES
- FAULT
- QUARTZ/SULPHIDE VEIN & SAMPLE INTERVAL 1294
- OUTCROP EXPOSURE

HECTOR RESOURCES INC.

GOLDEN SPRAY ZONE
TRENCH 87-1
PLAN VIEW MAP

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

Drawn.	N.T.S.	Date.	FIGURE.
J.W.	104B/10W	Nov. 1987	8

Sample No.	Width (m)	Ag (ppm)	Au (oz/ton)
1218	0.45	>100.0	0.263
1219	0.35	>100.0	0.295
1221	1.10	>100.0	0.143
1222	0.83	76.6	0.115
1225	0.63	62.6	0.144
1226	0.21	69.1	0.329

Twenty metres along strike to the east, similar limonitic quartz vein material was exposed in a blast pit. Assay values of grab talus material were as follows:

Sample No.	Ag (ppm)	Au (oz/ton)
16217	>100.0	0.096
16218	29.6	0.035

Limonitic quartz veining trending 85/35 NW with pyrite and magnetite was also found 16 metres directly south of TR 87-1. Values are listed below:

Sample No.	Width (m)	Ag (oz/ton)	Au (oz/ton)
1236	grab	2.99	0.202
16131	0.32	80.5 ppm	0.235

TRENCH 87-2

Eighteen metres of quartz/pyrite veining are exposed in Trench 87-2 (Figure 9). The zone trends 102/90 and is likely the off-set extension of Trench 87-1. Chloritic, strongly fractured greywacke hosts the veining. At its

16,678

16384 = < 5 ppb Au / 26.2 / 1601 / 699 / 538 / 2915 / qv + 10% pyrite

chloritic, strongly fractured greywacke

16385 = 890 ppb Au / 11.5 / 1822 / 286 / 231 / 4710 qv + 5-15% Pyrite

16382 = 260 ppb Au / 21.8 / 4037 / 776 / 2178 / 5786

16381 = 330 ppb Au / 22.1 / 8974 / 698 / 356 / 437 qv plus 10-20% Pyrite

16380 = 555 ppb Au / 8.5 / 4341 / 225 / 367 / 674 qv plus 10-15% Pyrite

HECT-28 16379 = 960 ppb Au / 31.5 / 1266 / 637 / 1225 / 4621 qv plus semi-massive Pyrite

HECT-29 16378 = 115 ppb Au / 23.6 / 890 / 1093 / 543 / 6383 qv plus massive Pyrite plus similar Purple alteration as seen in TR 87-1

16377 = 440 ppb Au / Zoz / 828 / 531 / 743 / 3661 qv plus 10-20% Pyrite

16376 = 0.058 oz/t Au / 38.4 / 1277 / 343 / 674 / 668 qv plus 5-10% Pyrite

16386 - 105 ppb Au / 867 ppm As qv plus 25% pyrite

16385 = 345 ppb Au / 32.7 ppm Ag / Bullish looking qv

LO+25E / 1+25S

MAIN CREEK

NOTE:
Geochem values as: ppb or oz/t Au / ppb Ag / ppm Cu / ppm Pb / ppm Zn

LEGEND

- 2 — GREYWACKE
- 1 — ANDESITE AGGLOMERATE
- QUARTZ VEIN
- FRACTURES
- FAULT
- QUARTZ / SULPHIDE VEIN & SAMPLE INTERVAL 1294
- OUTCROP EXPOSURE

SCALE 1:50
m 0 .5 1 2 3 m

HECTOR RESOURCES INC.

GOLDEN SPRAY ZONE
TRENCH 87-2
PLAN VIEW MAP

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

Drawn.	N.T.S.	Date.	FIGURE.
J.W.	104B/10W	Nov. 1987	9

widest point, the mineralized structure measures 0.42 metres true width. Geochemically anomalous values were produced from trench samples in gold, silver, arsenic, copper, lead and zinc.

TRENCH 87-3

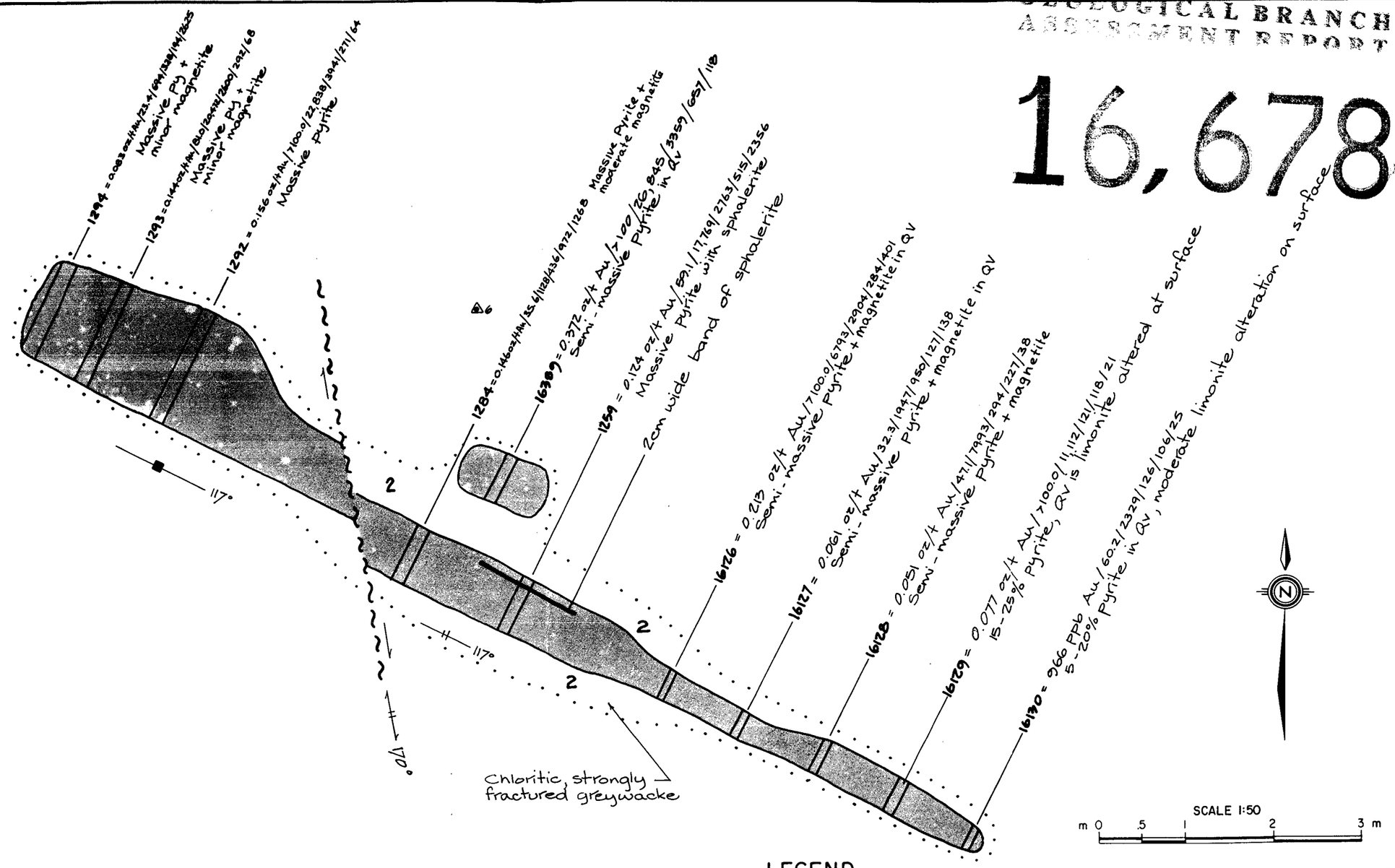
Trench 87-3 exposes the strongest area of the Golden Spray Zone - the Golden Spray Vein (Figure 10). Massive pyrite with lesser sphalerite and magnetite in quartz veining swells to a thickness of 1.4 metres. The trench exposes 13 metres of strike length. As well, a second parallel quartz/pyrite vein is exposed 0.60 metres to the north. A 50 cm right-lateral off-set is present transecting the vein near the centre of the trench. The zone trends 117/90. Anomalous trench values are listed below:

Sample No.	Width (m)	As (ppm)	Ag (ppm)	Au (oz/ton)
1294	1.2	694	23.4	0.083
1293	1.3	20,472	81.0	0.144
1292	1.4	22,838	>100.0	0.156
1284	0.7	1,128	35.6	0.146
1259	0.7	17,769	59.1	0.124
16126	0.3	6,793	>100.0	0.213
16127	0.3	1,947	32.3	0.061
16128	0.4	7,993	47.1	0.051
16129	0.4	11,112	>100.0	0.077

Sample 16389 represents the parallel north quartz/pyrite vein and assay values are as follows:

Sample No.	Width (m)	As (ppm)	Ag (ppm)	Au (oz/ton)
16389	0.6	26,845	>100.0	0.372

16,678



NOTE: Geochem values as: ppb or oz/t Au/ ppm Ag/ ppm As/ ppm Cu/ ppm Pb/ ppm Zn

LEGEND

- 2 — GREYWACKE
- 1 — ANDESITE AGGLOMERATE
- QUARTZ VEIN
- FRACTURES
- FAULT
- QUARTZ/ SULPHIDE VEIN & SAMPLE INTERVAL 1294
- OUTCROP EXPOSURE

HECTOR RESOURCES INC.

GOLDEN SPRAY ZONE
TRENCH 87-3
PLAN VIEW MAP

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

Drawn.	N.T.S.	Date.	FIGURE.
J.W.	104 B/10W	Nov. 1987	10

Twenty metres along strike to the west, limonitic quartz veining with pyrite and minor galena was exposed in a small trench. The veining here has a distinctly different orientation. Gold values obtained ranged up to 0.100 ounces gold per ton.

TRENCH 87-4 AND 87-4A

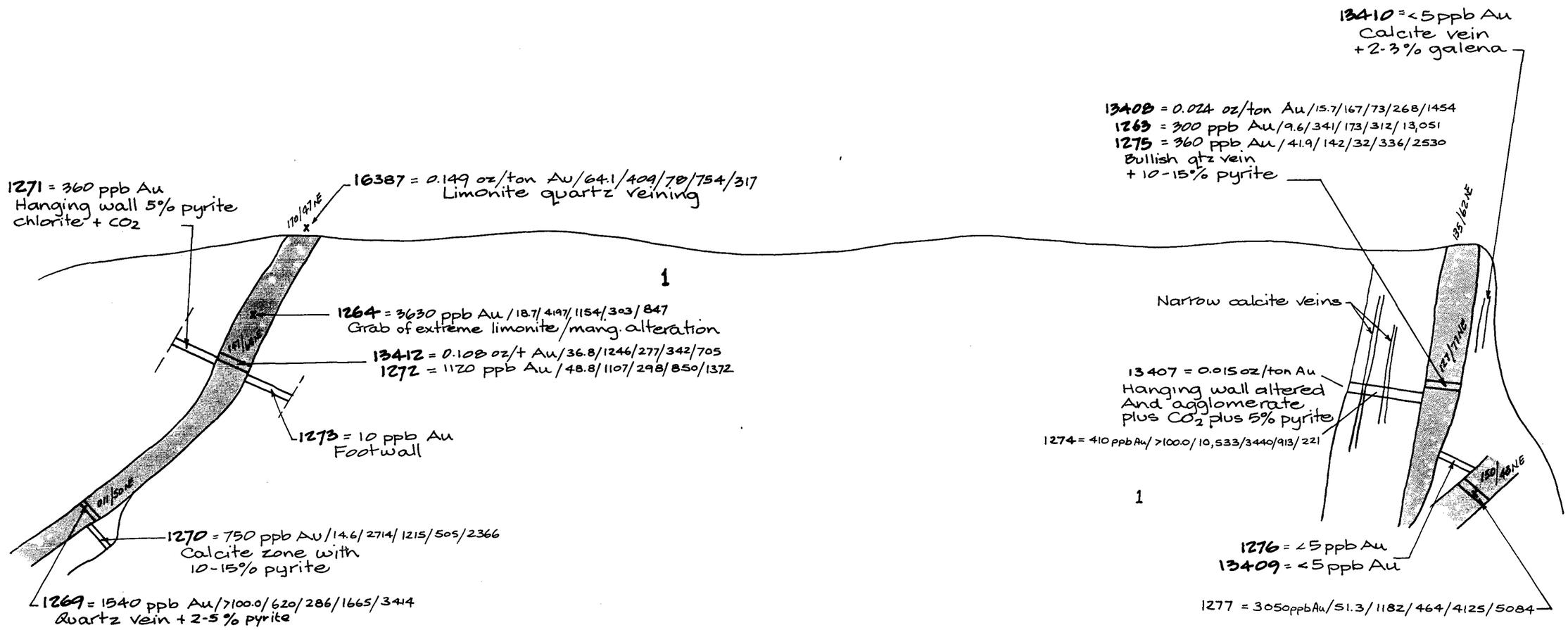
A series of limonitic quartz/pyrite veins are exposed in the banks of the Main Creek in this area. Three semi-parallel veins trending approximately 135/70 NE are located on the east side of the Main Creek (Figure 11) while two additional veins are on the west side (Figure 12).

A prominent north-south cross-fault cross-cuts the zone in this area. The west side veins may possibly be faulted from the east side veins. Significant assay values from auriferous quartz veins on the east side of Main Creek are as follows:

Sample No.	Width (m)	Ag (ppm)	Au	
			(ppb)	(oz/ton)
13412	1.0	36.8		0.108
1264	grab	18.7	3,630	
16387	0.3	64.1		0.149
1277	0.6	51.3	3,050	0.263

Quartz veins on the west side of Main Creek trend approximately 130/75 SW. Assays were as follows:

Sample No.	Width (m)	Ag (ppm)	Au (ppb)
1280	0.46	60.7	1,810
1282	0.45	36.6	2,740



SCALE 1:50

m 0 .5 1 2 3 m

NOTE: Geochem values as ppb or oz/t Au/ppm Ag/ppm As
ppm Cu/ppm Pb/ppm Zn

LEGEND

- 2 — GREYWACKE
- 1 — ANDESITE AGGLOMERATE
- QUARTZ VEIN
- FRACTURES
- FAULT
- QUARTZ/SULPHIDE VEIN & SAMPLE INTERVAL 1294
- OUTCROP EXPOSURE

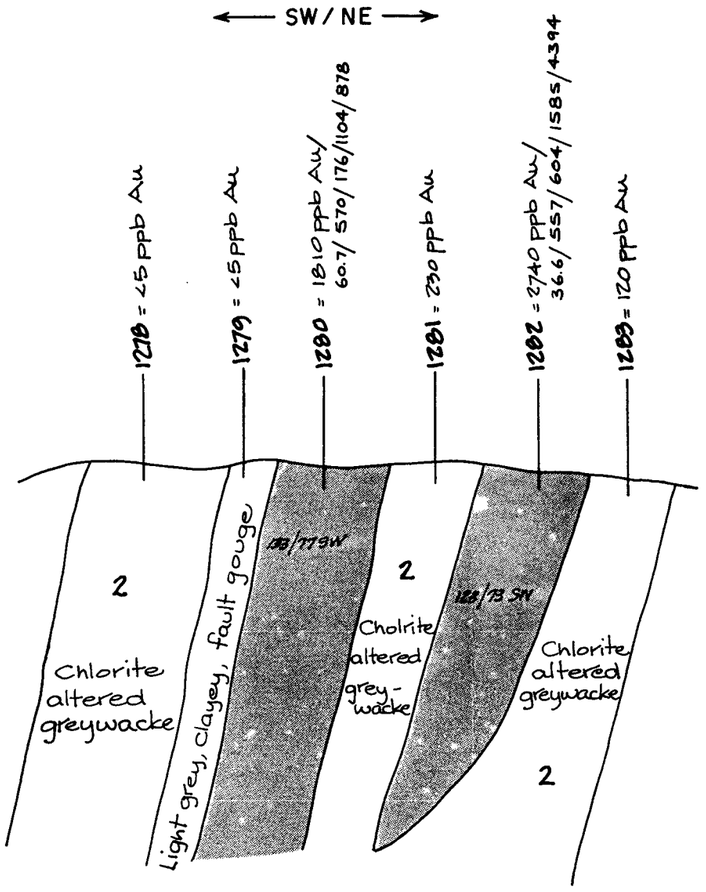
HECTOR RESOURCES INC.

GOLDEN SPRAY ZONE
TRENCH 87-4
CROSS-SECTION MAP

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

Drawn.	N.T.S.	Date.	FIGURE.
J.W.	104B/10W	Nov. 1987	11



NOTE:
Geochem values: ppb or oz/t. Au/ppm Ag/ppm As/ppm Cu/ppm Pb/ppm Zn

SCALE 1:25
m 0 .25 .5 1 1.5 m

LEGEND

- 2 — GREYWACKE
- 1 — ANDESITE AGGLOMERATE
- QUARTZ VEIN
- FRACTURES
- FAULT
- QUARTZ/ SULPHIDE VEIN & SAMPLE INTERVAL 1294
- OUTCROP EXPOSURE

HECTOR RESOURCES INC.

GOLDEN SPRAY ZONE
TRENCH 87-4A
CROSS-SECTION MAP

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

Drawn.	N.T.S.	Date.	FIGURE.
J.W.	104B/10W	Nov. 1987	12

TRENCH 87-5

Approximately 9.0 metres of quartz/pyrite veining strike length is exposed in Trench 87-5 (Figure 13). Three separate quartz vein pods are present with an approximate orientation of 120/75 NE. Massive pyrite with pods of coarse grained secondary magnetite in quartz veining is present in widths up to 1.35 metres. The zone is hosted within strongly fractured, chloritic greywacke. Significant assays are listed as follows:

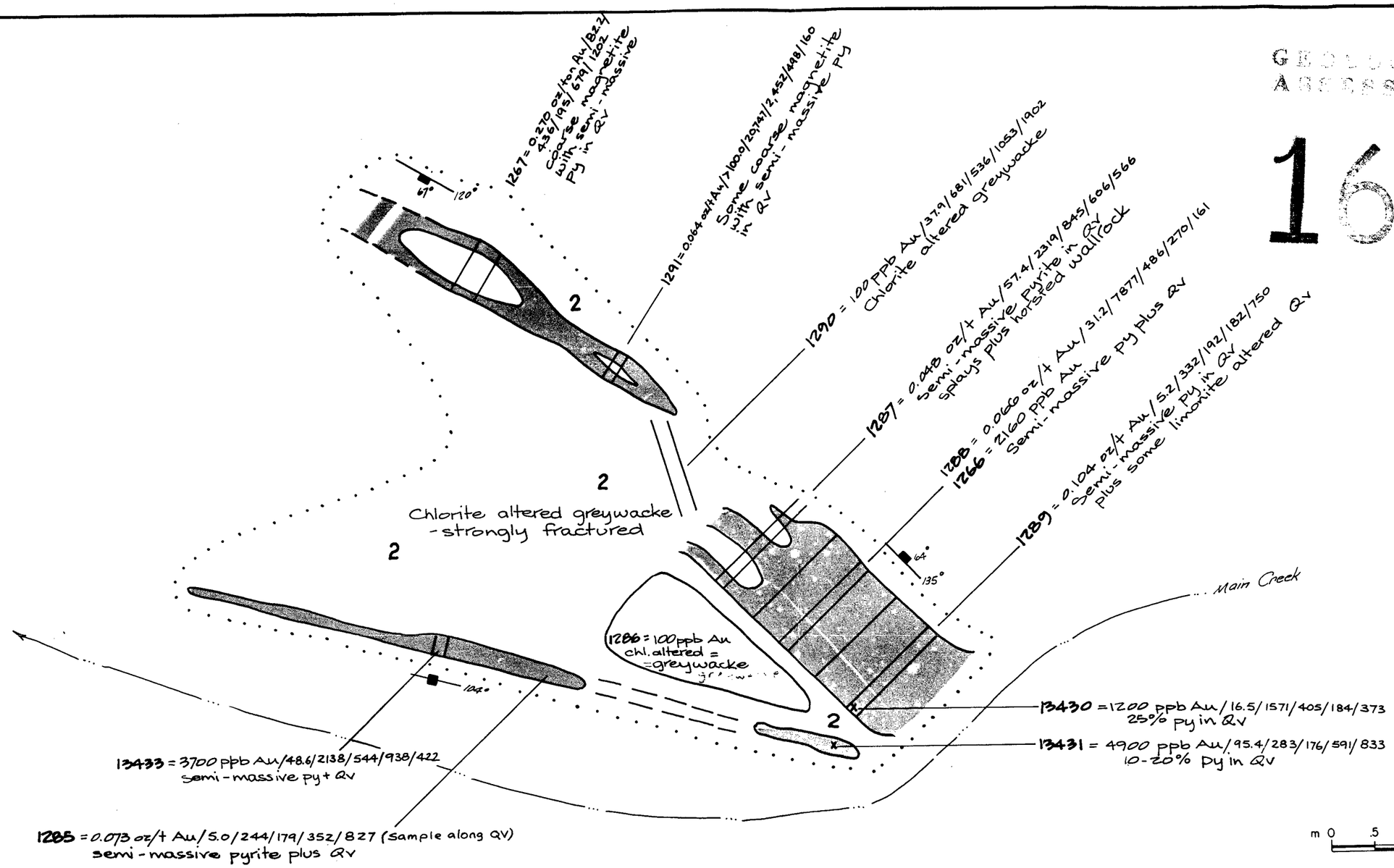
Sample No.	Width (m)	Ag (ppm)	Au	
			(ppb)	(oz/ton)
1267	0.65	82.2		0.270
1291	0.32	>100.0		0.064
1287	1.07	57.4		0.048
1288	1.35	31.2		0.066
1289	1.35	5.2		0.104
13431	0.30	95.4	4,900	
13433	0.60	48.6	3,700	
1285	0.25	5.0		0.073

Rock chip samples were also collected from areas on the property outside of the Golden Spray Zone (Figure 14). Several geochemically anomalous samples were taken in the northwestern corner of the claims which warrant follow-up work.

10.0 DRILLING

The drill core is stored at the drill site on Sky 5

During the 1987 field season 15 diamond drill holes (Figure 4) totalling 608 metres were drilled on the Golden Spray Zone testing Trenches 87-1, 3, 4 and 5. The bulk of the drilling activity was centred on Trench 87-3 - the Golden Spray Vein - which on surface hosts the strongest mineralization. Individual drill areas are summarized below.



SCALE 1:50

m 0 .5 1 2 3 m

NOTE: Geochem values as: ppb or oz/t Au/ppm Ag/ppm As/ppm Cu/ppm Pb/ppm Zn

LEGEND

- 2 — GREYWACKE
- 1 — ANDESITE AGGLOMERATE
- QUARTZ VEIN
- FRACTURES
- FAULT
- QUARTZ/SULPHIDE VEIN & SAMPLE INTERVAL 1294
- OUTCROP EXPOSURE

HECTOR RESOURCES INC.

GOLDEN SPRAY ZONE
TRENCH 87-5
PLAN VIEW MAP

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

Drawn.	N.T.S.	Date.	FIGURE.
J.W.	104B/10W	Nov. 1987	13

TRENCH 87-1 AREA

Diamond drill holes DDH 87-1 to 87-3 (Figure 15) were fanned down-dip from one drill set-up. DDH 87-1 and 87-2 both intersected the zone albeit narrower than exposed on surface in the trench. Mineralization consisted of massive pyrite with minor magnetite and galena in quartz veining. Significant intersections are listed below:

DDH	From (m)	To (m)	Length (m)	Ag (oz/ton)	Au (oz/ton)
87-1	28.2	28.5	0.3	1.84	0.136
87-2	37.6	37.8	0.2	0.88	0.040

TRENCH 87-3 AREA

Diamond drill holes DDH 87-4 to 87-11 (Figures 16, 17, 18, 19) were drilled from two separate set-ups. Massive pyrite with minor amounts of magnetite, sphalerite and galena were intersected to a depth of 35 metres below the surface trench. Drill holes DDH 87-7 and 87-8 were swung out along strike to the east and west intersecting the zone and giving a strike length in excess of 30 metres. The following assay values have been obtained:

DDH	From (m)	To (m)	Length (m)	Ag (oz/ton)	Au (oz/ton)
87-4	13.6	14.5	0.9	0.57	0.045
	14.5	16.0	1.5	2.51	0.062
87-5	17.85	18.9	1.05	0.86	0.066
	19.55	20.03	0.48	2.18	0.206
87-6	22.4	23.4	1.0	4.95	0.072

A

A'

1090 m

1080 m

1070 m

1060 m

1050 m

1040 m

1030 m

1020 m

012°/192°

ASSAY SEQUENCE:
Cu ppm, Ag ppm, Au ppb (Length meters)
OR
Cu %, Ag oz/t., Au oz/t. (Length meters)

D.D.H. 87-1 −45° ⊢→ 012°
D.D.H. 87-2 −60° ⊢→ 012°
D.D.H. 87-3 −70° ⊢→ 012°
ELEV. 1082 m

16131 = 0.235 oz/t. Au.
Qtz vein + magnetite + pyrite

TRENCH 87-1

0.02, 0.29, 0.008 (2.4)

0.01, 0.04, 0.005 (1.1)

Bedding

0.02, 0.07, 0.010 (0.3)

<0.01, 0.02, 0.006 (0.2)

89 ppm, 1.3 ppm, 5 ppb (0.8)

Brecciated siltstone/greywacke

Bedding

Bedding

Qtz vein

0.31, 1.68, 2.72, (1.84)

0.01, 0.06, 0.005 (1.8)

0.02, 0.41, 0.006 (0.7)

0.03, 0.30, 0.136 (0.3)

0.02, 0.14, 0.006 (1.1)

0.02, 0.18, 0.010 (0.6)

Crackled quartz breccia

Bedding

104 ppm, 1.6, <5 (0.8)

0.02, 0.12, <0.005 (0.2)

0.02, 0.26, 0.018 (0.32)

0.02, 0.16, 0.008 (0.48)

0.02, 0.12, 0.010 (1.4)

0.02, 0.06, 0.005 (2.4)

0.01, 0.09, <0.005 (1.0)

37.2 m

0.02, 0.10, 0.005 (1.6)

0.02, 0.12, <0.005 (2.8)

0.01, 0.52, 0.012 (0.6)

0.04, 0.33, 0.005 (0.6)

0.009, 0.88, 0.040 (0.18)

(0.03, 0.07, <0.005 (1.42)

43.5 m

53 ppm, 0.1 ppm, <5 ppb

107 ppm, 0.1 ppm, 15 ppb (0.9)

64.8 m

LEGEND

- Quartz Vein ± Sulphides
- Chlorite alteration ± Oxidization
- Silicification/Stringer Zone
- Hornblende Porphyry Dyke – hornblende phenocrysts up to 1.3 cm, calcite amygdules, strongly magnetic, 1–3% pyrite replacing hornblende
- Greywacke – gritty, laminated, medium grained, grey to medium green colour, with interbedded siltstone, 1% disseminated pyrite throughout.
- Brecciated greywacke/siltstone ? – subangular fragments up to 1cm

SCALE 1:200

m 0 5 10 m

HECTOR RESOURCES LTD.

SKY 4 & 5, SPRAY 1 & 2 CLAIMS

GOLDEN SPRAY ZONE

SECTION A-A'

D.D.H. 87-1, 2, 3

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

Drawn.	N.T.S.	Date.	FIGURE
J.W.	104 B/10W	Nov. 1987	15

B

B'

1060 m

1050 m

1040 m

1030 m

1020 m

1010 m

1000 m

990 m

207°/27°

D.H.87-4 −45° ⊢→207°
D.H.87-5 −55° ⊢→207°
D.H87-6 −65° ⊢→207°
ELEV. 1052 m

D.H. 87-9 −50°⊢→197°
D.H. 87-10 −65°⊢→202°
ELEV. 1048 m

Bedding

Bedding

Bedding

0.03, 0.08, 0.008 (0.7)
0.03, 0.10, 0.005 (0.3)
0.07, 0.57, 0.045 (0.9)
0.15, 2.51, 0.062 (1.5)
0.02, 0.07, <0.005 (1.1)

19.3 m

0.02, 0.06, <0.005 (1.5)
0.02, 0.07, 0.008 (2.2)
0.04, 0.45, 0.014 (2.05)

0.15, 0.86, 0.066 (1.05)
0.04, 0.27, 0.019 (0.65)
0.12, 2.18, 0.206 (0.48)
0.04, 0.15, 0.006 (1.07)

0.02, 0.06, 0.010 (2.0)
0.02, 0.08, 0.005 (1.2)
0.01, 0.06, 0.005 (2.1)
0.03, 0.13, 0.006 (1.1)
0.04, 0.31, 0.006 (0.8)
0.62, 4.95, 0.72 (1.0)
0.04, 0.28, 0.012 (0.3)

29.6 m

0.2, 0.11, 0.005 (0.9)

90, 0.3, 100 (5.8)

34.1 m

151, 7.5, 15 (0.5)
351, 11.2, 685 (0.7)
110, 0.7, 10 (1.1)

38, 0.1, 30 (0.35)

38.7 m

Only small chips of Quartz veining present in core. Poor recovery.

73, 0.1, <5 (3.0)

31, 0.1, <5 (3.1)

72, 0.1, <5 (0.9)

Quartz veining present in core but poor recovery between 37.0 - 50.0 m

55.2 m

LEGEND

- Quartz Vein ± Sulphides
- Chlorite alteration ± Oxidization
- Silicification/Stringer Zone
- Greywacke – gritty, laminated, medium grained, grey to medium green colour, with interbedded siltstone, 1% disseminated pyrite throughout.
- Brecciated greywacke/siltstone ? subangular fragments up to 1cm

ASSAY SEQUENCE:
Cu ppm, Ag ppm, Au ppb (Length meters)
OR
Cu %, Ag oz/t., Au oz/t. (Length meters)

m 0 5 10 m
SCALE 1:200

HECTOR RESOURCES LTD.

SKY 4 & 5, SPRAY 1 & 2 CLAIMS

GOLDEN SPRAY ZONE

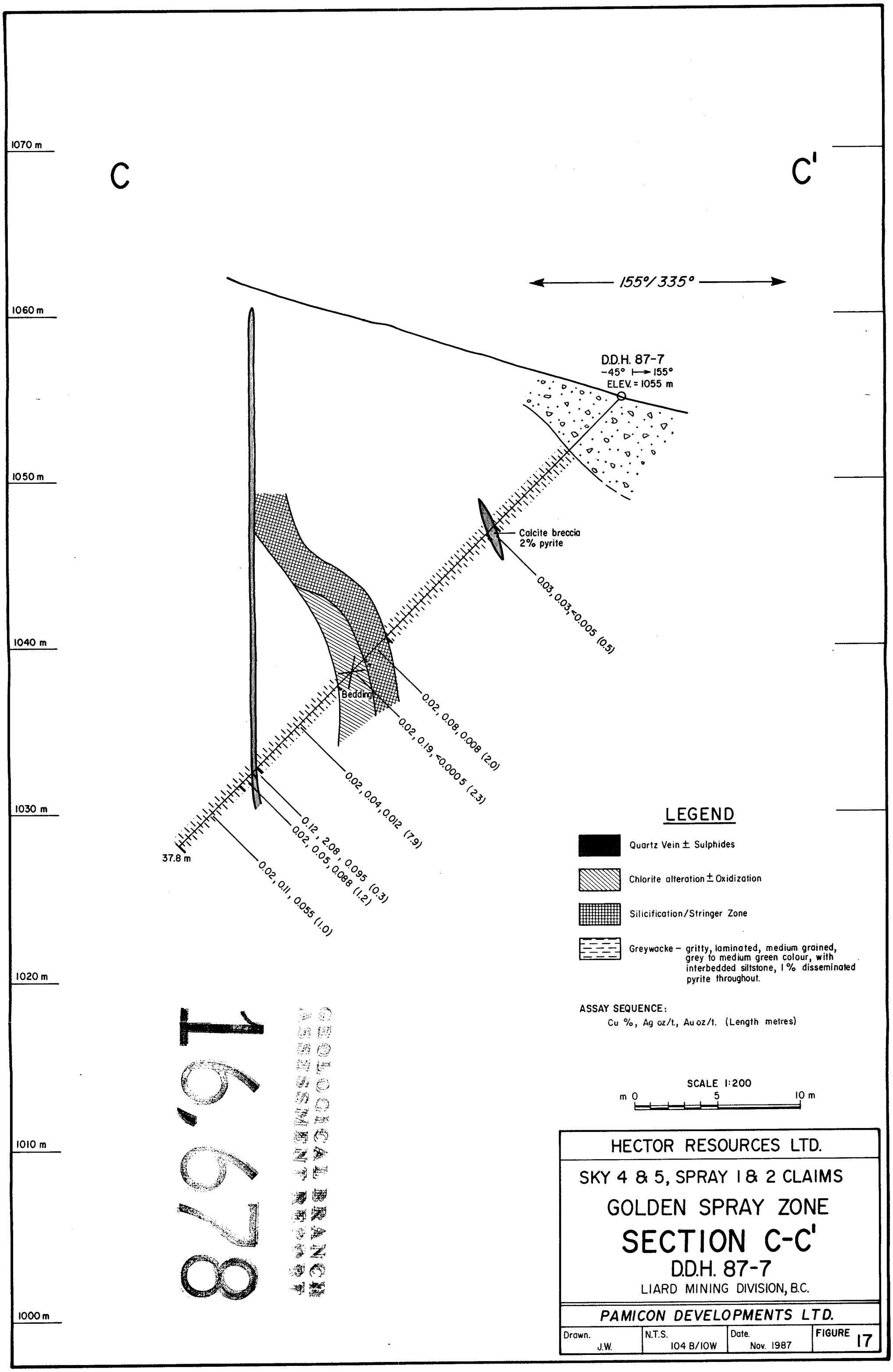
SECTION B-B'

D.D.H. 87-4,5,6,9,10

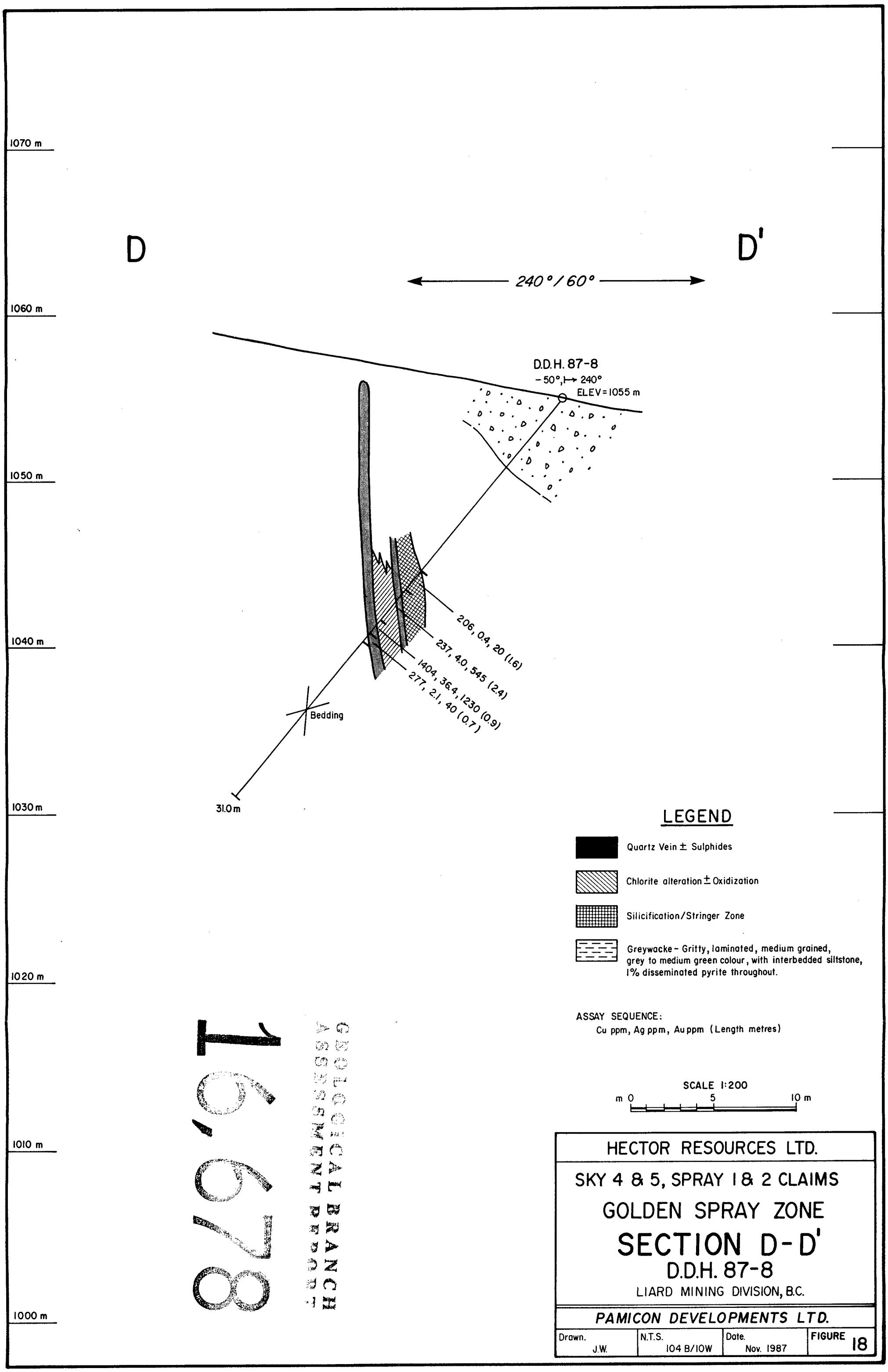
LIARD MINING DIVISION, B.C.

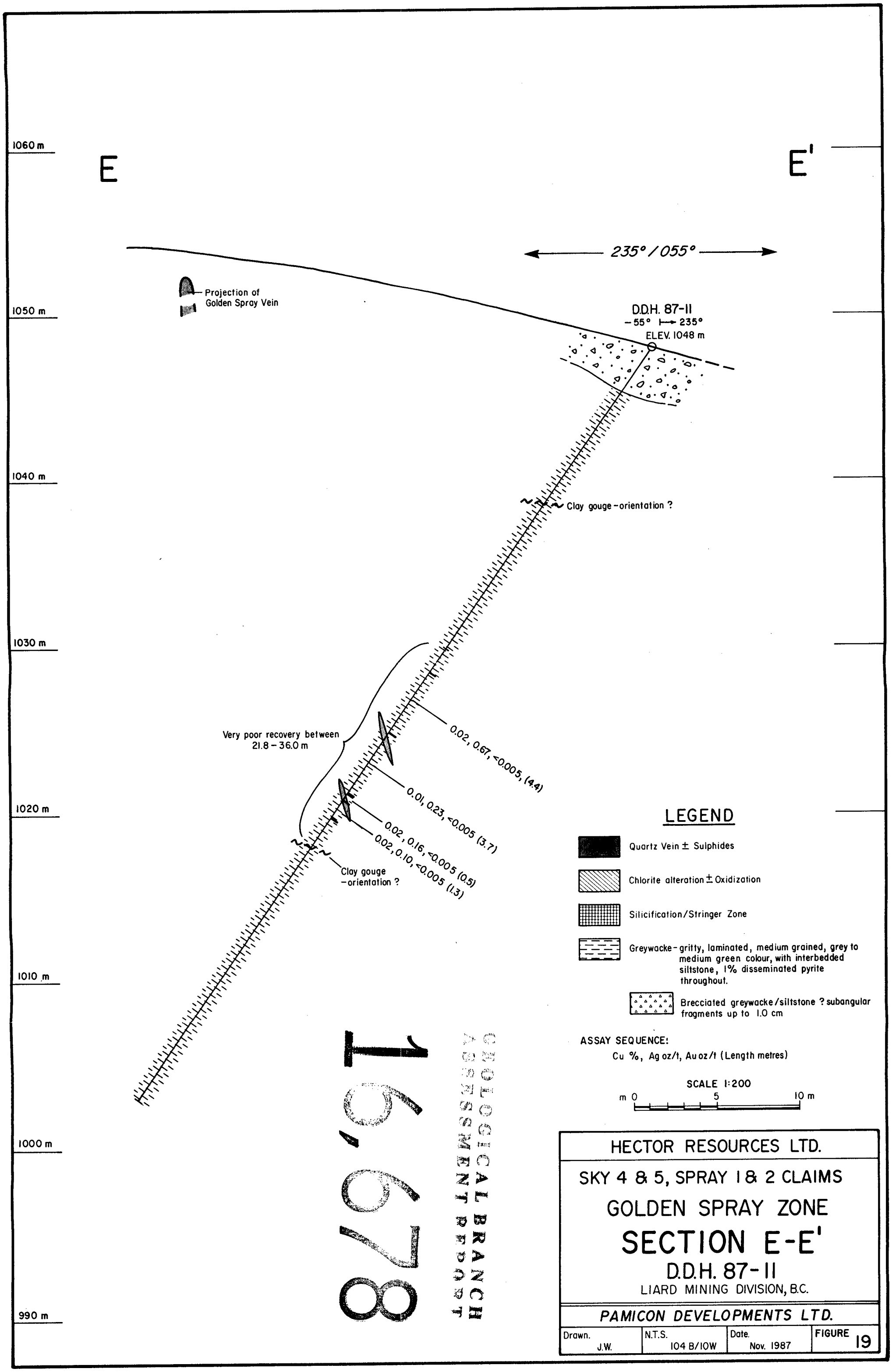
PAMICON DEVELOPMENTS LTD.

Drawn.	N.T.S.	Date.	FIGURE
J.W.	104 B/10W	Nov. 1987	16



HECTOR RESOURCES LTD.			
SKY 4 & 5, SPRAY 1 & 2 CLAIMS			
GOLDEN SPRAY ZONE			
SECTION C-C'			
D.D.H. 87-7			
LIARD MINING DIVISION, B.C.			
PAMICON DEVELOPMENTS LTD.			
Drawn. J.W.	N.T.S. 104 B/10W	Date. Nov. 1987	FIGURE 17





DDH	From (m)	To (m)	Length (m)	Ag (oz/ton)	Au (oz/ton)
87-7	31.1	31.4	0.3	2.08	0.095
	31.4	32.6	1.2	0.05	0.088
87-8	17.3	18.2	0.9	36.4 ppm	1,230 ppb

TRENCH 87-4 AREA

Two drill holes - DDH 87-12 and 87-13 (Figure 20) were drilled from one set-up to intersect at least two parallel auriferous quartz veins exposed in trenches. Low gold and silver values were reported in weakly pyritized quartz veining.

TRENCH 87-5 AREA

Diamond drill holes DDH 87-14 and 87-15 (Figure 21) were drilled to test the auriferous quartz veining exposed in Trench 87-5 within the banks of the Main Creek structure. Very poor recovery of drill core was obtained throughout the entire anticipated mineralized interval suggesting a strong fault zone. DDH 87-15 returned low gold with silver values.

11.0 DISCUSSION AND CONCLUSIONS

The Sky 4 & 5 and Spray 1 & 2 mineral claims are underlain by Mesozoic Unuk River Formation greywacke/siltstone rocks which are overlain by an andesite agglomerate unit. These units host several important gold deposits in the Iskut River area (Skyline Explorations Ltd., Delaware/Cominco and Inel

F

F'

236° / 56°

1040 m
1030 m
1020 m
1010 m
1000 m
990 m
980 m
970 m

TR. 87-4

D.D.H. 87-12
-45° ⊢→ 236°
D.D.H. 87-13
-65° ⊢→ 236°
ELEV. = 1025 m

0.02, 0.09, <0.005 (23)
0.02, 0.15, <0.005 (1.5)
0.02, 0.07, <0.005 (2.0)
0.02, 0.04, <0.005 (2.6)
0.02, 0.24, <0.005 (1.6)
0.02, 0.12, <0.005 (1.3)
0.01, 0.13, <0.005 (0.8)
0.04, 0.59, <0.016 (0.5)
0.03, 0.09, 0.006 (5.7)
0.02, 0.11, <0.005 (3.1)
31.1 m

0.002, 0.12, 0.005 (1.3)
0.03, 0.09, 0.005 (0.9)
0.01, 0.01, <0.005 (0.8)
0.01, 0.10, <0.005 (2.4)
0.01, 0.04, <0.005 (1.5)
0.03, 0.07, 0.006 (3.)
0.02, 0.008, 0.005 (1.3)
<0.01, 0.06, <0.005 (0.9)
<0.01, 0.05, <0.005 (0.3)
0.02, 0.10, <0.005 (2.6)
0.02, 0.17, <0.005 (1.1)
0.01, 0.03, <0.005 (1.4)
0.02, 0.19, 0.014 (0.1)
48.3 m

LEGEND

- Quartz Vein ± Sulphides
- Chlorite alteration ± Oxidization
- Silicification/Stringer Zone
- V V V / V V V — Andesite Agglomerate – andesite fragments up to 3 - 5 cm, sub-angular to sub-rounded, up to 5 - 15% pyrite throughout

ASSAY SEQUENCE:
Cu %, Ag oz/t. , Au oz/t., (Length meters)

SCALE 1:200
m 0 5 10 m

HECTOR RESOURCES LTD.

SKY 4 & 5, SPRAY 1 & 2 CLAIMS

GOLDEN SPRAY ZONE

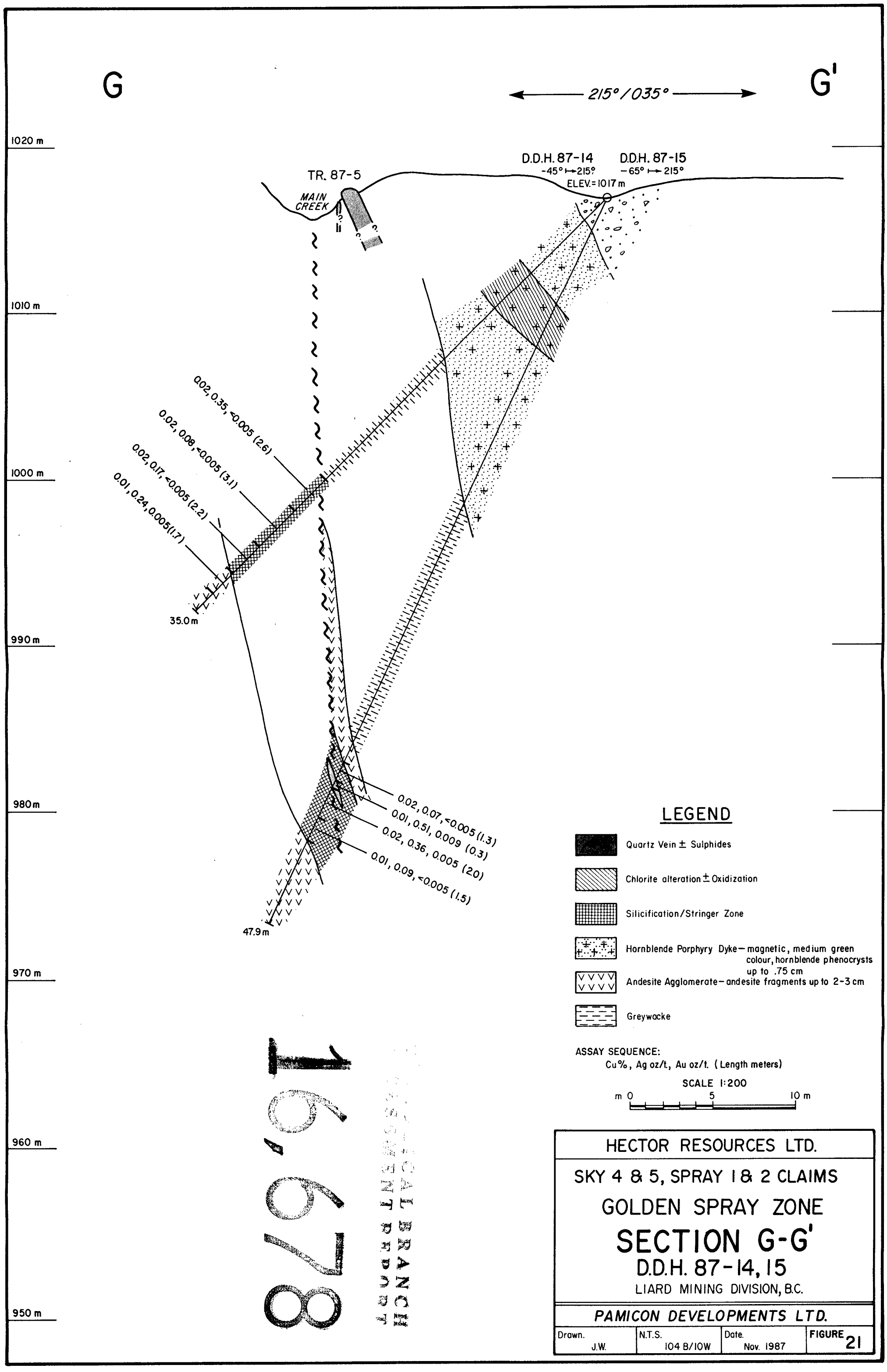
SECTION F-F'

D.D.H. 87-12,13

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

Drawn.	N.T.S.	Date.	FIGURE
J.W.	104 B/10W	Nov. 1987	20



HECTOR RESOURCES LTD.

SKY 4 & 5, SPRAY 1 & 2 CLAIMS

GOLDEN SPRAY ZONE

SECTION G-G'

D.D.H. 87-14, 15

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

Drawn.	N.T.S.	Date.	FIGURE
J.W.	104 B/10W	Nov. 1987	21

Resources Ltd.) as well as numerous promising prospects. Three main types of mineralization have been discovered in the area:

1. Gold/silver/copper in quartz/carbonate veins (Skyline, Delaware/Cominco, Tungco).

2. Volcanogenic massive sulphide with gold/silver/zinc/copper (Inel, Western Canadian Mining Corp.).

3. Skarn type auriferous massive pyrite $\pm$ magnetite (Gulf International Minerals Ltd.).

The Hector Resources Inc. property is situated immediately south of Tungco Resources Corporation's gold property and 7 kilometres northeast from Skyline Explorations' high-grade Stonehouse Gold Deposit.

Significant gold/silver mineralization has been discovered on the Hector property similar in many respects to the Tungco and Skyline occurrences. Five trenches were excavated along the Golden Spray Zone giving a strike length of approximately 300 metres. Gold and silver assays returned from the trenches produced values up to 0.320 ounces gold per ton and 4.95 ounces silver per ton over widths of up to 1.4 metres from veins of massive sulphide.

Air photo interpretation and ground examination indicate the Golden Spray Zone to be hosted within a major structural lineament which has a strike length in excess of 1000 metres.

Fifteen diamond drill holes totalling 610 metres were drilled along this structure within the Golden Spray Zone. Trench 87-3 exposes the Golden Spray Vein which hosts the strongest auriferous massive sulphide mineralization. Eight diamond drill holes tested this zone and successfully intersected the vein to a depth of 35 metres and along strike for 30 metres.

12.0 RECOMMENDATIONS

For the 1988 field program on the Hector Sky 4 & 5 and Spray 1 & 2 claims a detailed ground geophysical survey is recommended. A box-style grid should be implemented in an attempt to delineate existing sulphide structures and any faulted off-sets as well as to test the additional favourable strike length extension structural lineament which the Golden Spray Zone is hosted within. This method proved very beneficial on the Skyline Explorations Ltd. Stonehouse Gold Deposit (pers. comm. F. Syberg) during the 1987 season. Upon completion and interpretation of the geophysical survey a 1500 metre diamond drilling program would be commenced to test the structure for gold mineralization. Immediate emphasis would be placed on the Golden Spray Vein in the Trench 87-3 area where very encouraging strength to the system has been found to date both on surface and in diamond drilling.

Prospecting, soil sampling and ground geophysics would be carried out in more detail over the rest of the property as most field efforts during 1987 were centred in and around the Golden Spray Zone.

An airborne geophysical survey should be flown in a north-south orientation with line spacings of 250 metres to try and define or delineate any potential ore hosting structures and to extend the Golden Spray Zone.

A camp would be constructed in the vicinity of the Golden Spray Zone which would be helicopter supported from the Bronson Creek airstrip.

Respectfully submitted,

S.L. Todoruk, Geologist

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
CHARLES K. IKONA

C.K. Ikona, P.Eng.

APPENDIX I

BIBLIOGRAPHY

BIBLIOGRAPHY

Todoruk, S.L. and C.K. Ikona (1987): Geological Report on the Spray 1 & 2 and Sky 4 & 5 Mineral Claims.

Tungco Resources Corporation: News release, December 1, 1987.

Western Canadian Mining Corp.: News release, November 12, 1987.

APPENDIX II

COST STATEMENT

STATEMENT 1 - Sky 4 & 5 Mineral Claims	$120,509.07
STATEMENT 2 - Drilling Program	135,783.85
	$256,292.92

STATEMENT 1
HECTOR RESOURCES INC. - SKY 4 & 5

WAGES

S. Todoruk - 30 days @ $350	$10,500.00	
K. Wadsworth - 12 days @ $175	2,100.00	
- 2 days @ $200	400.00	
P. Schnare - 2 days @ $175	350.00	
- 5 days @ $200	1,000.00	
R. Gibson - 9 days @ $175	1,575.00	
- 7 days @ $200	1,400.00	
C. Vanderveen - 11 days @ $175	1,925.00	
- 14 days @ $200	2,800.00	
M. Say - 1 day @ $175	175.00	
R. Cournoyer - 2 days @ $225	450.00	
E. Debock - 9 days @ $275	2,475.00	
T. Hooton - 2 days @ $175	350.00	
R. Riedel - 10 days @ $200	2,000.00	
J. Lopez - 5 days @ $175	875.00	
- 5 days @ $200	1,000.00	
K. Gourley - 1 day @ $225	225.00	
B. McAdam - 7 days @ $200	1,400.00	
R. Flinn - 1 day @ $200	200.00	
C. Ikona - 2 days @ $450	900.00	
R. Darney - 2 days @ $400	800.00	
Management - 16 days @ $250	4,000.00	
TOTAL WAGES		$ 36,900.00

SUPPORT COST

Man Day Support		
Crew - 135 days		
Management - 16 days		
NMH - 43 days		
194 days @ $125	$24,250.00	
Equipment and Expendible Field Supplies		
135 days @ $30	4,050.00	
		28,300.00

SUBCONTRACT

Aviation		
Helicopter	$20,571.78	
Fixed Wing	6,029.34	
Airstrip User Fee	1,000.00	
		27,601.12

EXPENSES

Equipment Rental			
Drill	$ 1,020.00		
Truck	500.00		
ATV	500.00		
		2,020.00	
Freight		200.00	
Air Fare		350.00	
Orthophotos		1,648.00	
Communication		100.00	
Geophysics			
SJV Consultants	$ 1,970.00		
Geonics Limited	725.00		
Barringer Research	565.00		
		3,260.00	
Professional Fees			
Toodoggone Resources		262.47	
Filing		1,410.00	
Assays and Geochem		12,443.30	
			21,693.77
Management Fee on Expenses @ 15%			3,254.07
Management Fee on Subcontract @ 10%			2,760.11
TOTAL THIS PROGRAM			$120,509.07

STATEMENT 2
HECTOR RESOURCES INC. - DRILLING PROGRAM

WAGES			
S. Todoruk - 25 days @ $350		$ 8,750.00	
C. Vanderveen - 14 days @ $200		2,800.00	
B. Vanderland - 5 days @ $200		1,000.00	
R. Flinn - 2 days @ $200		400.00	
K. Milledge - 2 days @ $300		600.00	
D. Fulcher - 1 day @ $300		300.00	
C. Ikona - 1 day @ $450		450.00	
R. Darney - 1 day @ $400		400.00	
Management - 8 days @ $250		2,000.00	
TOTAL WAGES			$ 16,700.00
SUPPORT COST			
Man Day Support			
Crew - 56 days			
Drillers - 80 days			
NMH - 14 days			
150 days @ $125		$18,750.00	
Equipment and Expendible Field Supplies			
56 days @ $30		1,680.00	
			20,430.00
SUBCONTRACT			
Aviation			
Helicopter	$29,138.08		
Fixed Wing	5,887.69		
Airstrip User Fee	500.00		
		$35,525.77	
Drilling		51,558.55	
			87,084.32

EXPENSES		
Drilling Supplies	$ 303.91	
Air Fare	300.00	
Freight	100.00	
Communication	100.00	
Assays and Geochem	1,684.00	
		2,487.91
Management Fee on Expenses @ 15%		373.19
Management Fee on Subcontract @ 10%		8,708.43
TOTAL THIS PROGRAM		$135,783.85

APPENDIX III

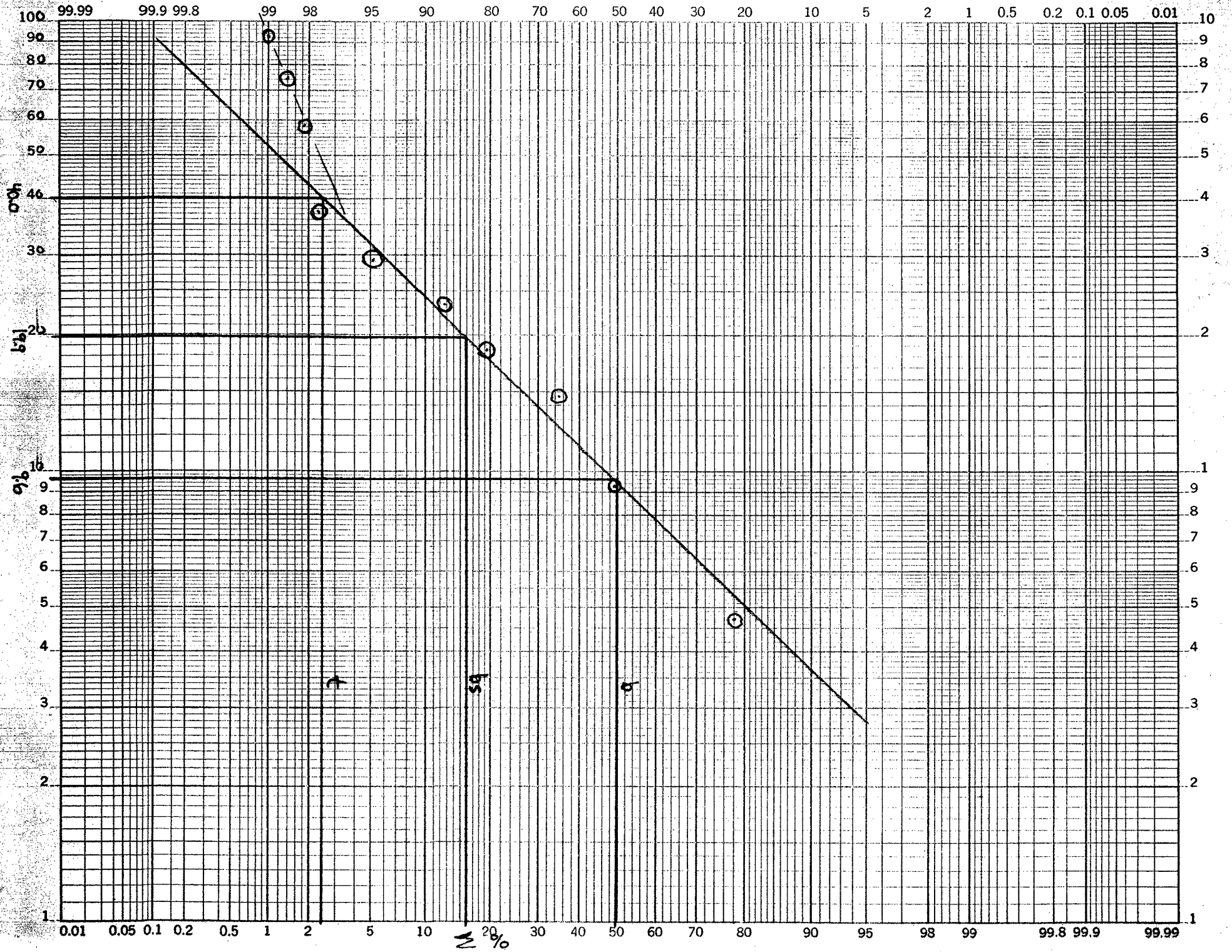
GEOCHEMICAL STATISTICS

HECTOR RESOURCES INC. NOV. 1987

GOLDEN SPRAY ZONE

LEPELTIER SOIL DATA STATISTICS

Project: HECTOR		Metal: Au	Type: ppb	
Lower Class Limit	Frequency	Cumulative Frequency	Cumulative %	Calculations
1.17				
1.48				
1.86				
2.24				
2.95				
3.72				
4.67	123	123	70.8	
5.89				
7.41				
9.33	89	212	49.6	
11.75				
14.79	64	276	34.3	
18.62	63	339	19.3	
23.43	27	366	12.9	
29.51	32	398	5.2	
37.15	12	410	2.4	
46.77				
58.89	2	412	1.9	
74.13	2	414	1.4	
93.32	2	416	1.0	
117.49	1	417	0.7	
147.91				
186.21				
234.42				
295.12	1	418	0.5	
371.53				
467.74	1	419	0.2	
588.84				
741.31				
933.25	1	420	0.0	
1174.89				
1479.11				
1862.09				
2344.22				
2951.21				
3715.35				



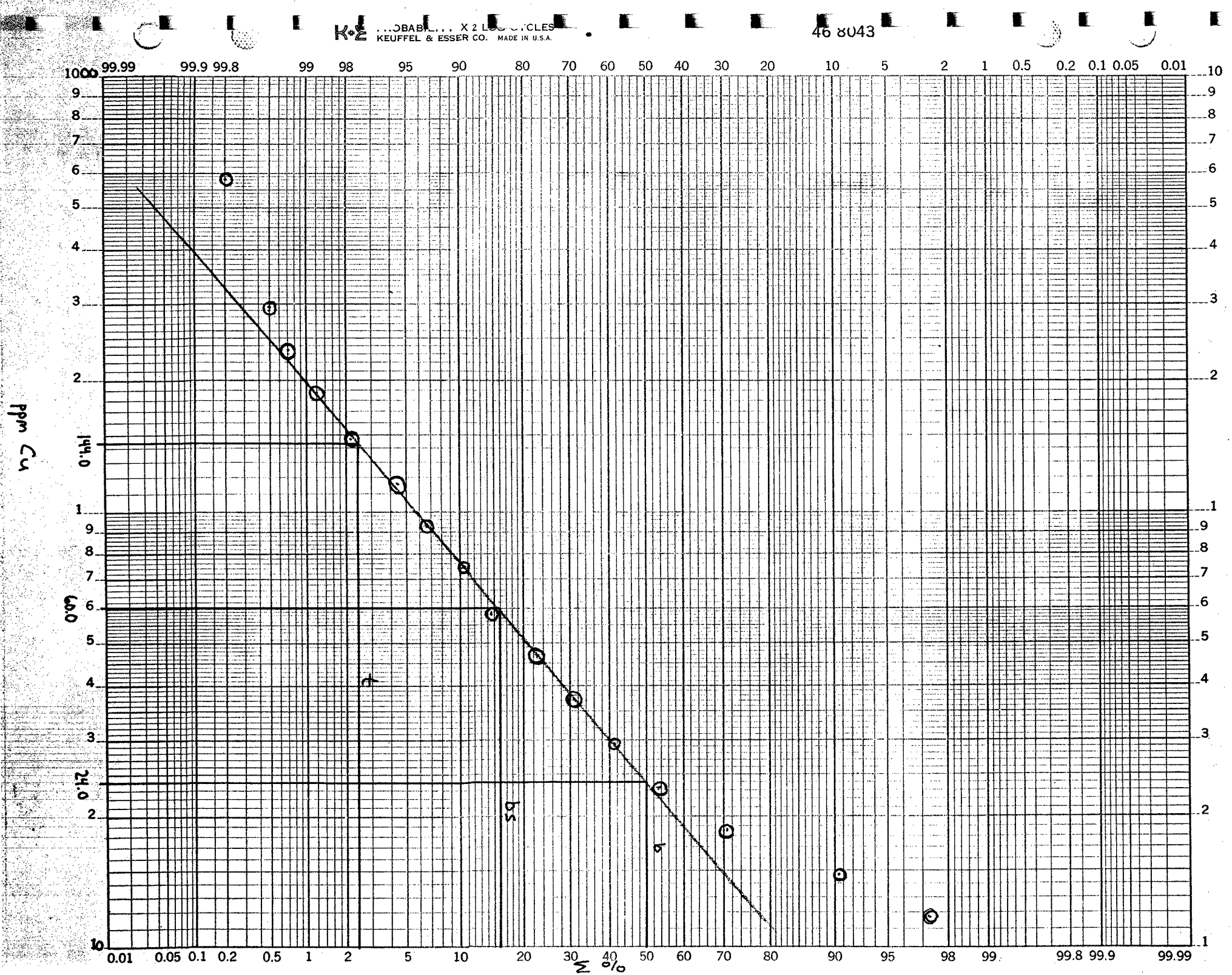
HECTOR RESOURCES INC.
GOLDEN SPRAY ZONE

Nov. 1987

LEPELTIER SOIL DATA STATISTICS

Project: HECTOR		Metal: Cu		Type: ppm
Lower Class Limit	Frequency	Cumulative Frequency	Cumulative %	Calculations
1.17				
1.48				
1.86				
2.24				
2.95				
3.72				
4.67				
5.89				
7.41				
9.33				
11.75	12	12	97.2	
14.79	29	41	90.3	
18.62	84	125	70.4	
23.43	71	196	53.7	
29.51	51	247	41.6	
37.15	45	292	31.0	
46.77	35	327	22.7	
58.90	34	361	14.7	
74.13	19	380	10.2	
93.32	15	395	6.6	
117.49	10	405	4.3	
147.91	9	414	2.1	
186.21	4	418	1.2	
234.42	2	420	0.7	
295.12	1	421	0.5	
371.53				
467.74				
588.84	1	422	0.2	
741.31	1	423	0.0	
933.25				
1174.89				
1479.11				
1862.09				
2344.22				
2951.21				
3715.35				

46 8043



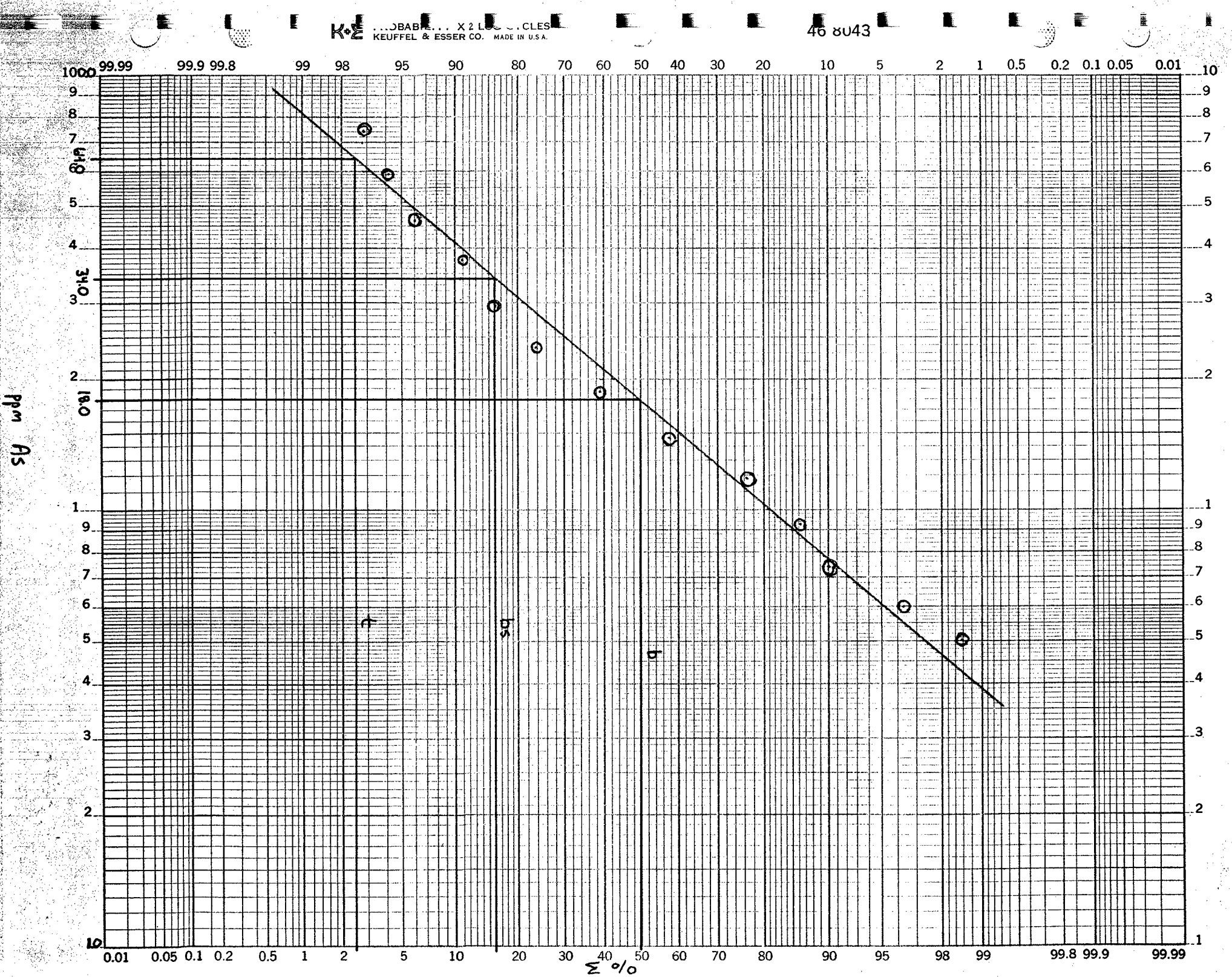
HECTOR RESOURCES INC. Nov. 1987

GOLDEN SPRAY ZONE

LEPELTIER SOIL DATA STATISTICS

Project: HECTOR		Metal: AS		Type: PPM
Lower Class Limit	Frequency	Cumulative Frequency	Cumulative %	Calculations
1.17				
1.48				
1.86				
2.24				
2.95				
3.72				
4.67	6	6	98.6	
5.89	10	16	96.2	
7.41	26	42	90.0	
9.33	15	57	86.4	
11.75	43	100	76.1	
14.79	77	177	57.7	
18.62	76	253	39.5	
23.43	65	318	23.9	
29.51	33	351	16.0	
37.15	22	373	10.8	
46.77	20	393	6.0	
58.90	8	401	4.1	
74.13	5	406	2.9	
93.32				
117.49	4	410	1.9	
147.91	2	412	1.4	
186.21	3	415	0.7	
234.42	1	416	0.5	
295.12				
371.53				
467.74				
588.84	1	417	0.2	
741.31	1	418	0.0	
933.25				
1174.89				
1479.11				
1862.09				
2344.22				
2951.21				
3715.35				

46 8043



APPENDIX IV

GEOPHYSICAL SURVEY REPORT

TABLE OF CONTENTS

INTRODUCTION

A Vlf survey was completed for Hector Resources Inc., on the Sky 4 and 5 and Spray 1 and 2 claims, by Pamicon Development Ltd., to search for massive sulfide veins which are known to contain gold in this area, during mid summer of 1987. In the later part of September a small test survey, employing Horizontal loop, S.P. and Magnetometer equipment, was performed by S.J.V. Consultants Ltd. and Pamicon Development LTD. over known mineral occurrence.

DATA PRESENTATION

The data is presented in 7 profile plots.

Plate 1a	Vlf (EM-16) survey Tilt angle and quadrature (Cutler)
Plate 1b	Vlf (EM-16) survey Frazer filter of tilt angle (Cutler)
Plate 2a	Vlf (EM-16) survey Tilt angle and quadrature (Hawaii)
Plate 2b	Vlf (EM-16) survey Frazer filter of tilt angle (Hawaii)
Plate 3a	Vlf (EM-16) survey Tilt angle and quadrature (Washington)
Plate 3b	Vlf (EM-16) survey Frazer filter of tilt angle (Washington)
Plate 4a	HLEM (MAX-MIN), S.P. and Magnetometer Test survey

VLF SURVEY

A Vlf survey using a Geonics EM16 was completed in mid summer, 1987 using a station spacing of 25m and a line spacing varying from 50 to 150m.

Two measurements, The dip angle and Quadrature, from three separate stations, Cutler Maine (NAA 24.0KHz), Jim Creek Washington (NLK 24.8KHz) and Lualualei Hawaii (NPM 23.4Kz) were recorded in the field.

The data from all three stations were plotted on profiles (Plate 1-3). The positive frazer filtered values of the dip angles were plotted on profile along with the axis of the main conductors (Plate 1a-3a).

The azimuth to NAA is 90o, NLK is 140o and NLK is 220o. There angles indicate that Cutler should give the best results, for conductor perpendicular to the survey line.

The results from Cutler show some features striking parallel to the baseline, which are probably due to geological structures. Some of the long wavelength low amplitude crossover (positive peak on frazer filtered data) are likely due to changes in topography.

The results from the other stations would be questionable, due to the bad angle to the transmitter stations, and probably are related more to changes in topography.

The crossovers would have to be detailed with a EM system with a local transmitter station, similar to the MAX-Min 1 which has a frequency range of up to approx 14KHz, to determine if these features are related to conductor or topography.

TEST SURVEY

A small test survey over known mineralization was conducted on this property, in the later part of Sept. 1987, using a horizontal loop (Apex Parametrics MAX-MIN II+), a magnetometer (Gem Systems LTD. proton procession magnetometer) and a self potential (digital voltmeter, wire and porous pots filled with a saturated copper sulfite solution) systems.

Four lines were surveyed with a MAX-MIN system using a 100M coil separation and 2 short lines were surveyed using a 50M coil separation. The in phase and out of phase components at four frequencies (3555, 1777, 888 and 444Hz) were recorded. To eliminate error due to chaining in the in phase component the in phase data from 444 Hz was subtracted

from the higher frequencies in phase data before it was plotted (Plate 4a). The raw data from 444 Hz was also plotted so that a very strong EM response would be recognized. There appears to be a very weak out of phase response at 3555 Hz near trenches 87-1, 87-3 and 87-4 on the 100M coil separation. These responses are almost within the noise level of the instrument. Higher frequency horizontal loop systems could possible detect these conductors.

A self potential (S.P.) test was performed on these short lines near trenches 87-1, 87-2 and 87-3 at 5M intervals. All these trenches show very weak responses which may be due to changes in overburden. The only significant (>100 M volts) response is south of trench 87-1 and this should be investigated further.

Seven lines, using from a 5m to 12.5m station separation, was surveyed with a Magnetometer. The results show that all the trenches with the exception of 87-2 are located near or on a abrupt change in the magnitude of the magnetic field. It is not sure if this is related to the mineralized veins or to the magnetite content of the surrounding geology. It does show if a magnetometer is to be useful in locating mineralization the station spacing must be 12.5M or less.

A small test not shown on the plots was measuring the resistance along the length of exposed veins (approx. 5-10M). This test indicated that the veins over this length are good conductors.

SUMMARY AND RECOMMENDATION

The crossover on the Vlf survey indicate geologic structure semi parallel to the baseline. The line spacing and station spacing should be decreased to <50M and <12.5M respectfully to make a survey of this type more meaningful. The angle of the lines should be changed if the transmitter location in Washington and Hawaii or to be used.

The test survey indicated that the MAX-MIN II+ does not respond well to the mineralized veins on this grid, therefore indicating they are very poor conductors or have little strike length and/or depth. Judging from the depth indicated from the drilling and test with an ohm meter they should respond if a higher frequency system like the MAX-MIN 1 (>14KHz) or time domain EM (UTEM) systems are used. The advantage of the UTEM system is that the electric fields can also be measured. It may be instructive to test the electric field capabilities on the EM-16R before attempting something like UTEM.

The S.P. does not appear to respond very well to the veins, although a significant responses is seen south of trench 87-1 which should be investigated. A larger survey with equipment (special spools for the wire) to speed up the survey would have to be done to fully evaluate this type of survey. The survey was to small to get a good background.

The Magnetometer survey shows promise although the survey would have to be extended to see if the responses near the trenches are due to the mineralization associated with the vein or with a change in geology.

Syd Visser

Geophysicists

S.J.V. Consultants Ltd.

APPENDIX V

DRILL LOG SHEETS

PAMICON DEVELOPMENTS LIMITED

DRILL LOG

PROJECT: HECTOR - GOLDEN SCRAY ZONE	GROUND ELEV.
HOLE NO.: DDH 87-1	BEARING: 012°
LOCATION: 1+75.5 S/0+74.0 E	DIP: -45°
	TOTAL LENGTH: 37.19m
LOGGED BY: Steve Todoruk	HORIZONTAL PROJECT
DATE: Oct 5, 1987	VERTICAL PROJECT
CONTRACTOR: Nomad Drilling Inc.	**ALTERATION SCALE**
CORE SIZE: BQ	**TOTAL SULPHIDE SCALE**
DATE STARTED: Oct. 1/87	
DATE COMPLETED: Oct. 2/87	
DIP TESTS	

absent
slight
moderate
intense

traces only
< 1%
1% – 3%
3% – 10%
> 10%

COMMENTS

LEGEND

PAGE 1 OF 4 | PROJECT: HECTOR - GOLDEN SPRAY ZONE | HOLE NO. 87-1

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A (H_2O)	B (CO_2)	C (Chl.)	D	E	FRACTURE INTENSITY	% VEIN QTZ.
				0.0-8.4 m overburden							
5.0											
				8.4-10.8 m Hornblende Porphyry Dyke - medium green color, hornblende phenocrysts up to 1.3 cms., strong magnetite.							
10.0	84			9.9-10.8 m Calcite amygdules up to 3 mm.							
	92			10.8 m Contact at 50° to c/a.							
	99			10.8-11.5 m GREYWACKE - medium grained, gritty, medium green color.							
15.0	68			11.5-12.6 m Hornblende Porphyry Dyke - Calcite amygdules and strong magnetite.							
	100			12.6 m CLAY GOUGE - light grey-green color.							
	95			12.6-37.2 m GREYWACKE/SILTSTONE - interbedded, laminated, medium grained, pervasive							
	94										
20.0				chlorite and carbonate alteration in greywacke - fine grained, grey-green, creamy siltstone.							
	92			17.3-17.6 m Laminated greywacke with 2 mm fracture stringers of							
	93										
	90			pyrite in quartz/calcite veins.							
25.0	93			At 17.4 m banding in							
	97			greywacke at 60° to c/a.							
	91			19.2-19.4 m QUARTZ BRECCIA ZONE -							
30.0	88			quartz fragments up to 1-3 cm, angular.							
	96			25.7-27.5 m FOOTWALL ZONE -							
	99			moderate chlorite and carbonate alteration, crackled							
	88			quartz breccia zone from							
35.0				25.7 - 25.9 m.							
	93			27.5-28.2 m moderate chlorite and							
		EOH		carbonate alteration							
				28.2-28.5 m MAIN ZONE -							
40.0				semi-massive pyrite, fine							
				to medium grained.							
				28.5-29.6 m HANGING WALL ZONE							
				moderate to strong quartz/							
				calcite veining, pyrite in							
				veins up to 5 mm.							

PAGE 2 OF 4	PROJECT: HECTOR - GOLDEN SPRAY ZONE	HOLE NO. 87-1

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu %	Pb %	Zn %	As %	Ag oz/t	Au oz/t
- 1-3% pyrite replacing hornblende crystals		8.4	10.8	2.4	16137	0.02	<0.01	0.03	<0.01	0.29	0.008
- 1-3% pyrite replacing hornblende crystals		11.5	12.6	1.1	16138	0.01	0.01	0.02	<0.01	0.04	0.005
- 2-3% disseminated pyrite and as stringers		17.3	17.6	0.3	16139	0.02	0.01	0.02	<0.01	0.07	0.010
- 1.5 min. pyrite stringer at 20° to c/a and 2-5% disseminated pyrite.		19.2	19.4	0.2	16140	<0.01	0.01	0.01	0.02	0.02	0.006
- 1% disseminated pyrite		25.7	27.5	1.8	16141	0.01	<0.01	0.02	<0.01	0.06	0.005
- 1% disseminated pyrite		27.5	28.2	0.7	16142	0.02	0.01	0.08	<0.01	0.41	0.006
- semi-massive pyrite, <1% galena, minor magnetite		28.2	28.5	0.3	16143	0.31	1.68	2.72	0.20	1.84	0.136
- pyrite as stringers		28.5	29.6	1.1	16144	0.03	0.04	0.15	0.03	0.30	0.006

PAGE 3 OF 4 | PROJECT: HECTOR - GOLDEN SPRAY ZONE | HOLE NO. 87-1

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
				29.6-31.2m Moderate to strong quartz/calcite veining, pyrite in veins up to 4 mm.							
				31.2-32.6m Moderate quartz/calcite stringer activity with pyrite as fracture stringers up to 4mm							
				32.6-34.1m weakly altered							
				34.1-36.5m weakly altered							

PAGE 4 OF 4	PROJECT: HECTOR- GOLDEN SPRAY ZONE	HOLE NO. 87-1

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu %	Pb %	Zn %	As %	Ag oz/t	Au oz/t
- pyrite as narrow fracture stringers		29.6	31.2	0.6	16145	0.02	0.02	0.05	0.01	0.14	0.006
- pyrite as narrow fracture stringers		31.2	32.6	1.4	16146	0.02	0.02	0.05	0.01	0.18	0.010
- 1% disseminated pyrite		32.6	34.1	1.5	16147	0.01	0.01	0.02	0.01	0.12	0.010
- <1% disseminated pyrite		34.1	36.5	2.4	16148	0.01	0.01	0.03	0.01	0.06	0.005

PAGE	OF	PROJECT:	HOLE NO.

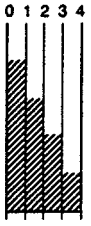
DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ.

PAMICON DEVELOPMENTS LIMITED

DRILL LOG

PROJECT: HECTOR - GOLDEN SPRAY ZONE	GROUND ELEV.
HOLE NO.: DDH 87-2	BEARING: 012°
LOCATION: 1+75.8 S/0+73.5E	DIP: -60°
	TOTAL LENGTH: 43.5 m.
LOGGED BY: Steve Todoruk	HORIZONTAL PROJECT
DATE: Oct. 6, 1987	VERTICAL PROJECT
CONTRACTOR: Nomad Drilling Inc.	**ALTERATION SCALE**
CORE SIZE: BQ	
DATE STARTED: Oct. 2, 1987	
DATE COMPLETED: Oct. 3, 1987	**TOTAL SULPHIDE SCALE**
DIP TESTS	
COMMENTS	LEGEND

absent
slight
moderate
intense



traces only
< 1%
1% – 3%
3% – 10%
> 10%

PAGE 1 OF 4 | PROJECT: GOLDEN SPRAY ZONE | HOLE NO. 87-2

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A (Silica)	ALTERATION B (CO_2)	ALTERATION C (Chl.)	ALTERATION D	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ.
				0.0 - 5.9 m overburden							
5.0	90			5.9 - 7.7 m GREYWACKE - medium grained, moderate CO_2 + chlorite altn, 3-4 mm QV stringers at 20° to core axis							
				7.7 - 8.5 HORNBLENDE PORPHYRY DYKE - hornblende phenocrysts up to 1.5 cm, strong magnetic							
				8.5 - 8.8 m GREYWACKE							
10.0	100			8.8 - 16.8 m HORNBLENDE PORPHYRY DYKE - strongly magnetic, calcite amygdules							
	98										
	78										
15.0	94										
	100			16.8 - 43.5 m EOH GREYWACKE - medium grained, gritty, medium green-grey color, sometimes laminated							
	98			16.8 - 17.5 m - strong chlorite altered greywacke							
	98			17.5 m - LAMINATED GREYWACKE - banding at 60° to core axis.							
20.0	93			20.2 - 20.4 m - FOOTWALL ZONE ?? GREYWACKE with weak CO_2 + chlorite altn							
	84										
	64			20.4 - 20.72 m - QUARTZ/SULPHIDE VEIN. Strong quartz veining with weak CO_2							
25.0	80										
	95			20.72 - 21.20 m - HANGING WALL ZONE ?? Poor alteration developed, weak CO_2, weak chlorite.							
	100										
30.0	100			26.0 - 27.0 m - Rusty (water courses) GREYWACKE, weak CO_2, weak to moderate chlorite							
	100										
	100			32.0 - 33.6 m FOOTWALL/HANGING WALL MAIN ZONE Quartz/sulphide veins up to 5 cm at 50° to c/a in greywacke with weak CO_2, mod. chlorite							
35.0	95										
	86			33.6 - 36.4 m FOOTWALL/HANGING WALL with quartz/pyrite veins up to 3.5 cm at 55° to c/a in greywacke with weak CO_2 + chlorite altn							
	93										
	100										
	87			36.4 - 37.0 m QUARTZ VEIN, 20 cm, in rusty (watercourse) greywacke with mod. chlorite, weak CO_2							
EOH											

PAGE 2 OF 4	PROJECT: GOLDEN SPRAY ZONE	HOLE NO. 87-2

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu %	Pb %	Zn %	As %	Ag oz/t	Au oz/t
- 1-2% disseminated pyrite											
- 1-3% disseminated pyrite											
- 1-3% disseminated pyrite											
- 1% disseminated pyrite throughout											
- 1% disseminated pyrite		20.2	20.4	0.2	16251	0.02	0.01	0.03	0.03	0.12	0.005
- 25% pyrite, 4-5 mm band black jack sphalerite		20.4	20.72	0.32	16252	0.02	0.03	0.29	0.25	0.26	0.018
- 1% disseminated pyrite		20.72	21.2	0.48	16253	0.02	0.01	0.09	0.05	0.16	0.009
- 1% disseminated pyrite		26.0	27.0	1.0	16254	0.01	0.01	0.07	<0.01	0.09	<0.005
- up to 5cm Quartz/Pyrite stringers		32.0	33.6	1.6	16255	0.02	0.01	0.04	0.01	0.10	0.005
- up to 3.5 cm Quartz/Pyrite stringers		33.6	36.4	2.8	16256	0.02	0.03	0.16	0.01	0.12	<0.005
- up to 2-3% disseminated pyrite in quartz vein		36.4	37.0	0.6	16257	0.01	0.02	0.06	<0.01	0.52	0.012

PAGE 3 OF 4 | PROJECT: HECTOR - GOLDEN SPRAY ZONE | HOLE NO. 87-2

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A (Qtz)	ALTERATION B (CO_2)	ALTERATION C (Chl.)	ALTERATION D	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ.
				37.0-37.6m STRONGLY SILICIFIED ZONE - immediately before MAIN ZONE with moderate CO_2 altn, 5-10% disseminated to patchy pyrite, QV/calcite stringers through zone at 20° to c/a.							
				37.6-37.78m - MAIN QUARTZ/PYRITE ZONE - at 50° to core axis, pyrite vein itself is 4 cm.							
				37.78-39.20m - FOOTWALL/HANGING WALL ZONE? GREYWACKE with bull QV's up to 4 cm at 50° to c/a.							

PAGE 4 OF 4 | PROJECT: HECTOR - GOLDEN SPRAY ZONE | HOLE NO. 87-2

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu %	Pb %	Zn %	As %	Ag oz/t	Au oz/t
- 5-10% disseminated to patchy pyrite		37.0	37.6	0.6	16258	0.04	0.02	0.03	<0.01	0.33	0.005
- 4 cm. pyrite vein at 50° to core axis		37.6	37.78	0.18	16259	0.09	0.09	0.56	0.11	0.88	0.040
- 1% disseminated pyrite in greywacke		37.78	39.2	1.42	16260	0.03	0.01	0.01	<0.01	0.07	<0.005

N2/E2

MADE IN VANCOUVER, CANADA

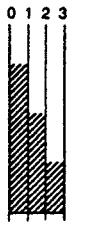
PAGE	OF	PROJECT:	HOLE NO.

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ.	
					A	B	C	D	E			

PAMICON DEVELOPMENTS LIMITED

DRILL LOG

PROJECT: HECTOR - GOLDEN SPRAY ZONE	GROUND ELEV.
HOLE NO.: DDH 87-3	BEARING: 012°
LOCATION: 1+76.0S/0+73.5E	DIP: -70°
	TOTAL LENGTH: 64.8m
LOGGED BY: Steve Todoruk	HORIZONTAL PROJECT
DATE: Oct. 14, 1987	VERTICAL PROJECT
CONTRACTOR	**ALTERATION SCALE**
CORE SIZE: BQ	
DATE STARTED: Oct. 3, 1987	
DATE COMPLETED: Oct. 4, 1987	**TOTAL SULPHIDE SCALE**
DIP TESTS	
COMMENTS	LEGEND



absent

slight

moderate

intense

traces only

< 1%

1% – 3%

3% – 10%

> 10%

PAGE 1 OF 4 | PROJECT: HECTOR - GOLDEN SPRAY ZONE | HOLE NO. 87-3

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A Qtz	ALTERATION B CO_2	ALTERATION C Chl.	ALTERATION D	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ.
				0.0-5.0m Overburden							
5.0	65			5.0-10.0m SILTSTONE/GREYWACKE - fine to medium grained, creamy light green to medium green coloration, sometimes gritty. Lamination banding at 6.5m is at 75° to core axis.							
	78										
	70										
10.0	90			10.0-12.1m Hornblende Porphyry Dyke - strongly magnetic, hornblende crystals replaced by pyrite, pyrite fracture fillings at 20° to c/a							
	98										
	78			10.4-11.2m Hornblende Porphyry Dyke - as above							
15.0	100										
	95			12.1-12.6m Brecciated siltstone/greywacke - with 1-2% disseminated pyrite. Strong chlorite alteration.							
	83										
	97			12.6-14.3m GREYWACKE - lamination banding at 70° to c/a at 13.4m.							
20.0	100			14.3-16.9m Hornblende Porphyry Dyke							
	100			16.9-18.1m GREYWACKE/SILTSTONE - moderate chlorite alteration.							
	88			18.1-24.8m Hornblende Porphyry Dyke - 18.1-18.9m with calcite amygdules up to 1cm with 1% disseminated pyrite around edges of amygdules. Strongly magnetic.							
25.0	87										
	87										
	94										
	100										
30.0	100			24.8-26.6m GREYWACKE - weakly altered							
	100			26.6-31.5m Hornblende Porphyry Dyke - moderate to strongly magnetic.							
				31.5-50.2m GREYWACKE - weakly altered, laminated banding at 80° to core axis.							
35.0	93										
	90			50.2-52.4m FRAGMENTAL UNIT - possibly sedimentary breccia, fragments up to 1cm, angular							
	97										
	73			52.4-64.8m GREYWACKE - weakly altered.							
40.0	87			EOH 52.9-53.4m chlorite/calcite veinlets at 70° to c/a. 63.6-64.5m weakly altered greywacke							
	100										
	100										
45.0											

PAGE 2 OF 4	PROJECT: HECTOR - GOLDEN SPRAY ZONE	HOLE NO. 87-3

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ag ppm	Au ppb
- 1-3% pyrite disseminated and as fracture fillings.		10.4	11.2	0.8	16178	89	9	131	<3	1.3	5
- 1% disseminated pyrite		18.1	18.9	0.8	16179	104	27	192	19	1.6	<5
- 1-3% disseminated pyrite											
- 1% disseminated pyrite.											
- 1% disseminated pyrite + galena.		52.9	53.4	0.5	16180	53	47	227	51	0.1	<5
- 2-3% disseminated pyrite		63.6	64.5	0.9	16181	107	133	352	13	0.1	15

PAGE 3 OF 4 | PROJECT: HECTOR - GOLDEN SPRAY ZONE | HOLE NO. 87-3

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A (Qtz.)	ALTERATION B (Ca_2)	ALTERATION C (Chl.)	ALTERATION D	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ.
	92			63.6 - 64.5 = 16181							
	78										
	78										
50.0	88										
	97										
	98										
	47										
55.0	67										
	77										
	85										
60.0	100										
	83										
	52										
EOH											

PAGE 4 OF 4	PROJECT: HECTOR - GOLDEN SPRAY ZONE	HOLE NO. 87-3

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS				

N2/E2

MADE IN VANCOUVER, CANADA

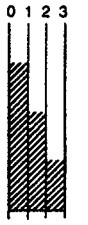
PAGE	OF	PROJECT:	HOLE NO.

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ.	
					A	B	C	D	E			

PAMICON DEVELOPMENTS LIMITED

DRILL LOG

PROJECT: HECTOR - GOLDEN SPRAY ZONE	GROUND ELEV.
HOLE NO.: DDH 87-4	BEARING: 207°
LOCATION: 0+28.0 S/0+46.4 E	DIP: -45°
	TOTAL LENGTH: 19.3 m.
LOGGED BY: Steve Todoruk	HORIZONTAL PROJECT
DATE: Oct. 6, 1987	VERTICAL PROJECT
CONTRACTOR: Nomad Drilling Inc.	**ALTERATION SCALE**
CORE SIZE: BQ	
DATE STARTED: Oct. 5, 1987	
DATE COMPLETED: Oct. 6, 1987	**TOTAL SULPHIDE SCALE**
DIP TESTS	



absent
slight
moderate
intense

traces only
< 1%
1% – 3%
3% – 10%
> 10%

COMMENTS

LEGEND

PAGE 1 OF 2 | PROJECT: HECTOR - GOLDEN SPRAY ZONE | HOLE NO. 87-4

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A (Qtz)	ALTERATION B (CO_2)	ALTERATION C (Chl.)	ALTERATION D	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ.
				0.0-4.5m overburden							
5.0				4.5-19.3m GREYWACKE with minor interbedded							
				EOH SILTSTONE - gritty, medium grained, grey-green color, bedding at 6.2m at 45° to core axis. Microfaults offsetting bedding along conjugate fractures.							
	92										
	90										
	100			12.6-13.3m HANGING WALL ZONE -							
10.0	70			Silicified GREYWACKE with strong quartz/calcite stringers. Veins at 35° to c/a.							
	72										
	92			13.3-13.6m QUARTZ VEIN - with pyrite and galena							
15.0	90			13.6-14.5m HANGINGWALL ZONE Strong calcite/quartz alteration with good pyrite. Lower contact of zone at 25° to c/a.							
	94										
	94										
EOH	90			14.5-16.0m MAIN ZONE - QUARTZ/PYRITE VEIN, at 65° to core axis (upper contact) 35-50% pyrite. Strong fracturing.							
				16.0-17.1m FOOTWALL GREYWACKE - Unaltered, unmineralized, 1% disseminated pyrite							

PAGE 2 OF 2 | PROJECT: HECTOR - GOLDEN SPRAY ZONE | HOLE NO. 87-4

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu %	Pb %	Zn %	As %	Ag oz/t	Au oz/t
- 10-15% pyrite in veins and disseminated throughout greywacke.		12.6	13.3	0.7	16261	0.03	0.05	0.12	0.01	0.08	0.008
- 2-4% disseminated pyrite and 2% disseminated galena		13.3	13.6	0.3	16262	0.03	0.41	0.08	<0.01	0.10	0.005
- 10-15% disseminated and stringer style pyrite along fractures.		13.6	14.5	0.9	16263	0.07	0.09	0.15	0.63	0.57	0.045
- 35-50% pyrite (semi-massive).		14.5	16.0	1.5	16264	0.15	0.23	0.44	1.12	2.51	0.062
- 1% disseminated pyrite		16.0	17.1	1.1	16265	0.02	0.01	0.03	0.04	0.07	<0.005

PAGE	OF	PROJECT:	HOLE NO.

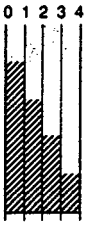
DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ.

PAMICON DEVELOPMENTS LIMITED

DRILL LOG

PROJECT: HECTOR - GOLDEN SPRAY ZONE	GROUND ELEV.
HOLE NO.: DDH 87-5	BEARING: 207°
LOCATION: 0+27.6S/0+46.6E	DIP: -55°
	TOTAL LENGTH: 29.6 m
LOGGED BY: Steve Todoruk	HORIZONTAL PROJECT
DATE: Oct. 9, 1987	VERTICAL PROJECT
CONTRACTOR: Nomad Drilling Inc.	**ALTERATION SCALE**
CORE SIZE: BQ	
DATE STARTED: Oct. 6, 1987	
DATE COMPLETED: Oct. 6, 1987	**TOTAL SULPHIDE SCALE**
DIP TESTS	
COMMENTS	LEGEND

absent
slight
moderate
intense



traces only
< 1%
1% – 3%
3% – 10%
> 10%

PAGE 1 OF 2 | PROJECT: HECTOR - GOLDEN SPRAY ZONE | HOLE NO. 87-5

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A (Qtz)	ALTERATION B (CO_2)	ALTERATION C (Chl)	ALTERATION D	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ.
				0.0 - 4.7m Overburden							
5.0	97			4.7 - 29.6m EOH SILTSTONE/GREYWACKE - bedded, interbedded, creamy green color, fine-grained, bedding at 30° to core axis - greywacke is gritty, medium grained, medium green color. At 12.6m siltstone bedding is offset by							
	93										
	98										
10.0	98			microfaults at 35° to c/a.							
	87			12.0 - 13.5m HANGINGWALL ZONE - quartz vein stringers at 25° to c/a up to 1 cm							
	97										
15.0	28			13.5 - 15.8m - HANGINGWALL ZONE - with up to 8 cm. quartz veins at 60° to c/a which carry 3-5 mm bands of pyrite. * Note: Rusty oxidized zone just before 15.8m where very poor recovery occurred.							
	47										
	77										
20.0	82										
	75			15.8 - 17.85m - HANGING WALL ZONE - Rusty strongly oxidized wallrock greywacke. Manganese and limonite alteration is moderate to strong.							
	23										
	93										
25.0	93			17.85 - 18.9m - MAIN ZONE QUARTZ/PYRITE VEIN - semi- to massive pyrite, banding at 30° - 40° to c/a, some rusty oxidation.							
	85										
	75										
EOH				18.9 - 19.55m WALLROCK - Strongly chloritic, rusty oxidized greywacke							
				19.55 - 20.03m MAIN ZONE QUARTZ/PYRITE VEIN - with semi-massive pyrite. Banding possibly at 45° to c/a.							
				20.03 - 21.10m FOOTWALL ZONE ?? Bedded SILTSTONE/GREYWACKE with moderate quartz vein stringers. Narrow QU stringers at 75° to c/a have offset bedding.							

PAGE 2 OF 2 | PROJECT: HECTOR - GOLDEN SPRAY ZONE | HOLE NO. 87-5

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu %	Pb %	Zn %	As %	Ag oz/t	Au oz/t
- 1% disseminated pyrite throughout											
- up to 1% disseminated galena and pyrite.		12.0	13.5	1.5	16266	0.02	0.01	0.08	0.01	0.06	<0.005
- 3-5 mm bands of pyrite in quartz veins and 1% disseminated pyrite in siltstone/greywacke.		13.5	15.8	2.2	16267	0.02	0.02	0.12	0.01	0.07	0.008
- 1% disseminated pyrite in wallrock.		15.8	17.85	2.05	16268	0.04	0.15	0.08	0.15	0.45	0.014
- semi- to massive pyrite		17.85	18.9	1.05	16269	0.15	0.09	0.15	1.07	0.86	0.066
- 1% disseminated pyrite		18.9	19.55	0.65	16270	0.04	0.07	0.04	0.15	0.27	0.019
- semi-massive pyrite		19.55	20.03	0.48	16271	0.12	0.19	0.33	0.60	2.18	0.206
- 1% disseminated pyrite		20.03	21.10	1.07	16272	0.04	0.15	0.32	0.02	0.15	0.006

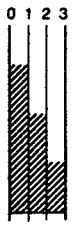
PAGE	OF	PROJECT:	HOLE NO.

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ.	

PAMICON DEVELOPMENTS LIMITED

DRILL LOG

PROJECT: HECTOR-GOLDEN SPRAY ZONE	GROUND ELEV.
HOLE NO.: DDH 87-6	BEARING: 207°
LOCATION: 0+27.25S/0+46.8E	DIP: -65°
	TOTAL LENGTH: 34.1 m.
LOGGED BY: Steve Todoruk	HORIZONTAL PROJECT
DATE: Oct. 9, 1987	VERTICAL PROJECT
CONTRACTOR: Nemad Drilling Inc.	**ALTERATION SCALE**
CORE SIZE: BQ	
DATE STARTED: Oct. 7, 1987	**TOTAL SULPHIDE SCALE**
DATE COMPLETED: Oct. 7, 1987	
DIP TESTS	



absent
slight
moderate
intense

traces only
< 1%
1% – 3%
3% – 10%
> 10%

COMMENTS

LEGEND

PAGE 1 OF 2 | PROJECT: HECTOR - GOLDEN SPRAY ZONE | HOLE NO. 87-6

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A (Qtz.)	ALTERATION B (CO_2)	ALTERATION C (Chl.)	ALTERATION D	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ.
				0.0 - 4.3m Overburden							
5.0	72			4.3 - 34.1 EOH GREYWACKE/SILTSTONE - interbedded, at 6.7m. bedding in siltstone 35° to c/a. At 14.7m bedding at 30° to c/a.							
	75										
	83			15.2 - 17.2m HANGING WALL ZONE Greywacke with moderate quartz/							
10.0	93			calcite stringer activity at 35° to core axis.							
	85			17.2 - 18.4m QUARTZ VEIN BRECCIA							
	97			Strongly silicified, moderate chlorite alteration ± sericite.							
15.0	95			18.4 - 20.5m WALLROCK - strongly chlorite							
	93	HW		altered, possibly bleached phenocrysts?							
	87			20.5 - 21.6m WALLROCK - strongly oxidized/							
	22	Chl		rusty siltstone/greywacke,							
20.0	73			crumbly, rotten, light-medium							
	92	oxide		green color. Soft.							
				21.6 - 22.4m Limonite altered quartz							
25.0	98			vein with minor pyrite. in rusty oxidized,							
				chlorite altered greywacke.							
	100			22.4 - 23.4m MAIN ZONE							
	98			QUARTZ/PYRITE VEIN - good massive pyrite, upper							
30.0	98			contact possibly at 35° to c/a.							
	93			23.4 - 23.9m FOOTWALL ZONE							
	100			Greywacke with quartz/pyrite							
EOH				stringers at 35° to c/a up to 1.5cm.							
				28.3 - 29.2m Greywacke - with pyrite							
				and narrow 2-3mm. quartz/calcite stringers.							

PAGE 2 OF 2 | PROJECT: HECTOR - GOLDEN SPRAY ZONE | HOLE NO. 87-6

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu %	Pb %	Zn %	As %	Ag oz/t	Au oz/t
- 1% disseminated pyrite		15.2	17.2	2.0	16151	0.02	0.04	0.18	0.03	0.06	0.010
- 5% disseminated pyrite, 2-4% sphalerite, 1-2% galena		17.2	18.4	1.2	16152	0.02	0.10	0.92	0.01	0.08	0.005
- up to 1% disseminated pyrite		18.4	20.5	2.1	16153	0.01	0.03	0.09	<0.01	0.06	0.005
- up to 1% disseminated pyrite		20.5	21.6	1.1	16154	0.03	0.07	0.06	0.03	0.13	0.006
- 1-2% disseminated pyrite		21.6	22.4	0.8	16155	0.04	0.22	0.06	0.05	0.31	0.006
- massive pyrite		22.4	23.4	1.0	16156	0.62	0.24	0.54	0.49	4.95	0.072
- pyrite stringers up to 3/4 cm in quartz stringers		23.4	23.9	0.5	16157	0.04	0.04	0.09	0.07	0.28	0.012
- 5-8% disseminated pyrite in stringers and greywacke.		28.3	29.2	0.9	16158	0.02	0.02	0.05	<0.01	0.11	<0.005

PAGE	OF	PROJECT:	HOLE NO.

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ.	
					A	B	C	D	E			

PAMICON DEVELOPMENTS LIMITED

DRILL LOG

PROJECT: HECTOR - GOLDEN SPRAY ZONE	GROUND ELEV.
HOLE NO.: DDH 87-7	BEARING: 155°
LOCATION: 0+27.55/0+47.6E	DIP: -45°
	TOTAL LENGTH: 37.8m
LOGGED BY: Steve Todoruk	HORIZONTAL PROJECT
DATE: Oct. 10, 1987	VERTICAL PROJECT
CONTRACTOR: Nomad Drilling Inc.	**ALTERATION SCALE**
CORE SIZE: BQ	
DATE STARTED: Oct. 8, 1987	**TOTAL SULPHIDE SCALE**
DATE COMPLETED: Oct. 9, 1987	
DIP TESTS	

absent
slight
moderate
intense

traces only
< 1%
1% – 3%
3% – 10%
> 10%

COMMENTS

LEGEND

PAGE 1 OF 2 | PROJECT: HECTOR - GOLDEN SPRAY ZONE | HOLE NO. 87-7

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A (Qtz)	ALTERATION B (CO_2)	ALTERATION C (Chl.)	ALTERATION D	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ.
				0.0 - 4.5m Overburden							
5.0	97			4.5 - 32.6m GREYWACKE with minor interbedded SILTSTONE - medium grained, gritty, grey to medium green coloration.							
	85			18.8 - 11Hm Calcareous brecciated zone with subangular 1cm x 3/4 cm fragments							
	100			of greywacke.							
10.0	95			19.9 - 21.9m HANGING WALL ZONE							
	95			Silicified zone of greywacke with							
	102			many quartz/calcite stringers.							
15.0	100			21.9 - 24.2m GREYWACKE - with weak to							
	87			moderate quartz/calcite stringer							
	87			activity. Weakly altered. Bedding							
	112			is at 35° to core axis at 23.0 m.							
20.0	85			24.2 - 31.1m HANGING WALL ZONE							
	95			POOR RECOVERY - Strongly chlorite							
	73			altered. Bleached phenocrysts							
				1mm x 3mm between 26.0 - 28.0m							
				as seen in previous drill holes.							
				31.1 - 31.4m MAIN ZONE							
25.0	36			QUARTZ/PYRITE VEIN - massive							
	7			pyrite with strong magnetite.							
	27			31.4 - 32.6m FOOTWALL ZONE							
				Weakly chlorite altered							
30.0	46			greywacke with weak quartz/							
	44			calcite stringers							
	98			32.6 - 37.8m FRAGMENTAL UNIT - subangular							
				EOH fragments up to 3cm x 2 cm. Could							
				be andesitic in composition (possibly							
35.0	85			Andesite Agglomerate). Also calcite							
	100			fragments.							
EOH				36.8 - 37.8m Fragmental unit with							
				2-3% disseminated pyrite.							

PAGE 2 OF 2 | PROJECT: HECTOR - GOLDEN SPRAY ZONE | HOLE NO. 87-7

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu %	Pb %	Zn %	As %	Ag oz/t	Au oz/t
- 2% disseminated pyrite in calcite		10.8	11.4	0.6	16159	0.03	0.01	1.21	<0.01	0.03	<0.005
- 5-10% disseminated pyrite in siliceous material		19.9	21.9	2.0	16160	0.02	0.01	0.01	0.02	0.02	0.005
- 1% disseminated pyrite		21.9	24.2	2.3	16161	0.02	0.01	0.15	0.01	0.19	<0.005
- 1% disseminated pyrite		24.2	31.1	7.9	16162	0.02	0.02	0.12	0.01	0.04	0.012
- massive pyrite with strong magnetite		31.1	31.4	0.3	16163	0.12	0.07	0.10	0.25	2.08	0.095
- 1% disseminated pyrite		31.4	32.6	1.2	16164	0.02	0.01	0.03	0.01	0.05	0.010
- 2-3% disseminated pyrite.		36.8	37.8	1.0	16165	0.02	<0.01	0.01	<0.01	0.11	0.005

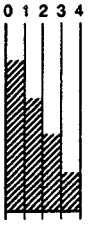
PAGE	OF	PROJECT:	HOLE NO.

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ.	
					A	B	C	D	E			

PAMICON DEVELOPMENTS LIMITED

DRILL LOG

PROJECT: HECTOR - GOLDEN SPRAY ZONE	GROUND ELEV.
HOLE NO.: DDH 87-8	BEARING: 240°
LOCATION: 0+26.5S/0+47.5E	DIP: -50°
	TOTAL LENGTH: 31.0m.
LOGGED BY: Steve Todoruk	HORIZONTAL PROJECT
DATE: Oct. 10, 1987	VERTICAL PROJECT
CONTRACTOR: Nomad Drilling Inc.	**ALTERATION SCALE**
CORE SIZE: BQ	
DATE STARTED: Oct. 8, 1987	
DATE COMPLETED: Oct. 9, 1987	**TOTAL SULPHIDE SCALE**
DIP TESTS	
COMMENTS	LEGEND



PAGE 1 OF 2 | PROJECT: HECTOR - GOLDEN SPRAY ZONE | HOLE NO. 87-8

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A (Qtz)	ALTERATION B (CO_2)	ALTERATION C (Chl.)	ALTERATION D	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ.
				0.0-5.4m OVERBURDEN							
5.0				5.4 - 31.0m EOH GREYWACKE with minor interbedded SILTSTONE - medium green color, medium grained.							
	72			13.3-14.9m HANGING WALL ZONE - greywacke with quartz/calcite stringers up to 1cm at 25° to c/a with pyrite.							
10.0	72										
	65			14.9-17.3m HANGING WALL ZONE Weak to moderate chlorite altered greywacke.							
	83										
	100	HW		15.0-15.1 Quartz vein with							
15.0	67			10-20% pyrite at 35° to core axis.							
	52			15.2-15.45m Quartz vein with galena and pyrite							
	100										
	87			17.3-18.2m MAIN ZONE QUARTZ/PYRITE VEIN with good semi- to massive pyrite. Pyrite bands at 35° to c/a. Lower contact of vein at 35° to c/a.							
20.0	95										
	93										
	53										
25.0	47			18.2-18.9m FOOTWALL ZONE Weakly altered greywacke.							
	57			24.0m GREYWACKE banding at 35° to core axis.							
	82										
30.0 - EOH -											

PAGE 2 OF 2 | PROJECT: HECTOR - GOLDEN SPRAY ZONE | HOLE NO. 87-8

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Au ppb
- pyrite in 1cm quartz/calcite veins		13.3	14.9	1.6	16166	206	50	182	129	0.4	20
- 1% disseminated pyrite		14.9	17.3	2.4	16167	237	544	466	563	4.0	545
- 10-20% pyrite in quartz vein											
- 1% galena, 1-3% pyrite in quartz vein.											
- semi- to massive pyrite		17.3	18.2	0.9	16168	1704	1045	3395	7137	36.4	1230
- <1% disseminated pyrite		18.2	18.9	0.7	16169	277	337	971	466	2.1	40

PAGE	OF	PROJECT:	HOLE NO.

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	B	C	D	E	FRACTURE INTENSITY	% VEIN QTZ.	

PAMICON DEVELOPMENTS LIMITED

DRILL LOG

PROJECT: HECTOR - GOLDEN SPRAY ZONE	GROUND ELEV.
HOLE NO.: DDH 87-9	BEARING: 197°
LOCATION: 0+12.65S/0+53.7E	DIP: -50°
	TOTAL LENGTH: 38.7 m
LOGGED BY: Steve Todoruk	HORIZONTAL PROJECT
DATE: Oct. 11, 1987	VERTICAL PROJECT
CONTRACTOR: Nomad Drilling Inc.	**ALTERATION SCALE**
CORE SIZE: BQ	
DATE STARTED: Oct. 9, 1987	
DATE COMPLETED: Oct. 10, 1987	**TOTAL SULPHIDE SCALE**
DIP TESTS	
COMMENTS	LEGEND

absent

slight

moderate

intense

traces only

< 1%

1% – 3%

3% – 10%

> 10%

PAGE 1 OF 2 | PROJECT: HECTOR-GOLDEN SPRAY ZONE | HOLE NO. 87-9

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A Qtz	ALTERATION B CO_2	ALTERATION C Chl.	ALTERATION D	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ.
				0.0-5.1 m OVERBURDEN							
5.0				5.1-35.2m GREYWACKE with minor interbedded SILTSTONE - medium grained, gritty, weak to moderate chlorite alteration.							
	38			17.6m SILTSTONE bedding at 32° to core axis.							
	32										
10.0	12			26.7-32.5m HANGING WALL ZONE Quartz vein stringers up to 1cm with good pyrite 1% 60° to core axis.							
	88										
	82										
15.0	62			32.5-33.0m HANGING WALL ZONE Calcite/Quartz zone with 1-2% disseminated pyrite, oxidized.							
	72										
	75			33.0-33.7m MAIN ZONE SILICIFICATION/PYRITE -							
20.0	63			Almost a quartz breccia with 10-20% pyrite at 60° to c/a.							
	65			33.7-34.8m FOOTWALL ZONE weakly altered greywacke							
	80										
	83			35.2-36.2m FRAGMENTAL UNIT - fragments up to 1cm, subangular, andesitic in composition → possibly Andesite Agglomerate.							
25.0	92										
	83			36.2-38.7m GREYWACKE - weakly altered. EOH							
	39	HW									
30.0	4										
	47										
	58	FW									
35.0	95										
	95										
	83										
EOH											

PAGE 2 OF 2 | PROJECT: HECTOR - GOLDEN SPRAY ZONE | HOLE NO. 87-9

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Au ppb
- 1% disseminated pyrite throughout.											
- 1 cm quartz veins with strong pyrite at 60° to core axis.		26.7	32.5	5.8	16170	90	151	1231	109	0.3	100
- 1-2% disseminated pyrite		32.5	33.0	0.5	16171	151	2495	12,693	196	7.5	15
- 20-30% pyrite		33.0	33.7	0.7	16172	351	249	1674	6484	11.2	685
- <1% disseminated pyrite		33.7	34.8	1.1	16173	110	202	492	402	0.7	10

PAGE	OF	PROJECT:	HOLE NO.

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ.	

PAMICON DEVELOPMENTS LIMITED

DRILL LOG

PROJECT: HECTOR - GOLDEN SPRAY ZONE	GROUND ELEV.
HOLE NO.: DDH 87-10	BEARING: 202°
LOCATION: 0+13.5S/ 0+54.0 E	DIP: -65°
	TOTAL LENGTH: 55.2 m.
LOGGED BY: Steve Todoruk	HORIZONTAL PROJECT
DATE: Oct. 14, 1987	VERTICAL PROJECT
CONTRACTOR: Nomad Drilling Inc.	
CORE SIZE: BQ	
DATE STARTED: Oct. 10, 1987	
DATE COMPLETED: Oct. 11, 1987	
DIP TESTS	

ALTERATION SCALE

absent

slight

moderate

intense

TOTAL SULPHIDE SCALE

traces only

< 1%

1% – 3%

3% – 10%

> 10%

COMMENTS

LEGEND

PAGE 1 OF 4 | PROJECT: HECTOR - GOLDEN SPRAY ZONE | HOLE NO. 87-10

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A (Qtz.)	ALTERATION B (CO_2)	ALTERATION C (Chl.)	ALTERATION D	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ.
				0.0 - 5.1m OVERBURDEN							
				5.1 - 55.2m Greywacke - medium grained, gritty, laminated, medium green color.							
5.0	90			15.3m Greywacke lamination banding at 65° to c/a.							
	82			17.5m Greywacke lamination banding at 65° to c/a which is offset by quartz/calcite veins at 20° to c/a.							
10.0	58			27.9 - 28.25m Bull quartz veins up to 1 cm at 20° to c/a in greywacke. The greywacke has 1 - 2% disseminated pyrite.							
	85										
	40										
15.0	25			38.7m One piece of quartz vein which is 1 cm. length of core. Obvious that rest of vein material lost.							
	77										
	32										
	73										
20.0	93			42.5 - 45.5m HANGING WALL ZONE ?? Weakly altered greywacke with weak quartz/calcite stringer activity and less than 1% pyrite.							
	55										
	8										
25.0	43			45.5 - 48.6m MAIN ZONE ? Bullish looking quartz veins up to 15 cm (obvious that more has been lost) in greywacke.							
	62										
	83										
30.0	85			Quartz veins at 25° to c/a.							
	93			48.6 - 49.5m FOOTWALL ZONE ?? Weakly altered greywacke.							
	45										
35.0	80										
	23										
40.0	23										
	35										
45.0											

PAGE 2 OF 4	PROJECT: HECTOR - GOLDEN SPRAY ZONE	HOLE NO. 97-10

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu ppm	Pb ppm	Zn ppm	As ppm	Ag ppm	Au ppb
- 1-2% disseminated pyrite		27.9	28.25	0.35	16174	38	417	263	64	0.1	30
- 1% disseminated pyrite		42.5	45.5	3.0	16175	73	18	476	16	0.1	<5
- 5-10% disseminated to patchy pyrite in quartz/calcite veins and throughout greywacke.		45.5	48.6	3.1	16176	31	.90	361	99	0.1	<5
- <1% disseminated pyrite		48.6	49.5	0.9	16177	72	36	340	18	0.1	<5

PAGE 3 OF 4 | PROJECT: HECTOR - GOLDEN SPRAY ZONE | HOLE NO. 87-10

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A (Qtz.)	ALTERATION B (CO_2)	ALTERATION C (Chl.)	ALTERATION D	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ.
	17										
	57										
	58										
50.0	63										
	95										
	92										
	97										
EOH											

PAGE 4 OF 4	PROJECT: HECTOR - GOLDEN SPRAY ZONE	HOLE NO. 87-10

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS				

PAGE	OF	PROJECT:	HOLE NO.

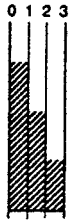
DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ.	

PAMICON DEVELOPMENTS LIMITED

DRILL LOG

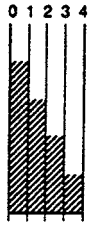
PROJECT	GROUND ELEV.
HOLE NO. DDH 87-11	BEARING 235°
LOCATION 0+12.6S/0+53.7E	DIP -55°
	TOTAL LENGTH 54.9m.
LOGGED BY Steve Todoruk	HORIZONTAL PROJECT
DATE Oct. 14, 1987	VERTICAL PROJECT
CONTRACTOR Nomad Drilling Inc.	
CORE SIZE BQ	
DATE STARTED Oct. 12, 1987	
DATE COMPLETED Oct. 13, 1987	
DIP TESTS	

ALTERATION SCALE



absent
slight
moderate
intense

TOTAL SULPHIDE SCALE



traces only
< 1%
1% – 3%
3% – 10%
> 10%

COMMENTS

LEGEND

PAGE 1 OF | PROJECT: HECTOR - GOLDEN SPRAY ZONE | HOLE NO. 87-11

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A (Qtz)	B (CO_2)	C (Chl.)	D	E	FRACTURE INTENSITY	% VEIN QTZ.
				0.0-3.2m Overburden							
				3.2-54.9m EOH GREYWACKE - medium grained, gritty, medium green color, 1% disseminated pyrite throughout.							
5.0	55			11.3m Possible fault - light green-grey fault clay gouge over 4 cm.							
	18			23.8-28.2m Moderately chlorite altered greywacke with weak CO_2 alteration + 1% disseminated pyrite							
10.0	23										
	37										
	45			28.2-32.5m Moderately chlorite altered greywacke with silicified/ quartz vein (chlorite altered) zone 40 cm in width from 28.2-28.6m. Poor recovery.							
15.0	52										
	80										
	73			32.5-33.0m Chlorite altered silicified zone of greywacke with quartz veining carrying 1-2% galena and pyrite.							
20.0	73										
	92										
	20			33.0-34.3m Weakly altered greywacke with 1% disseminated pyrite.							
	38										
25.0	23			At 33.1m lamination banding at 50° to core axis.							
	5										
	33			36.2m FAULT GOUGE ZONE - light green-grey color, greywacke is bleached.							
30.0	5										
	20										
	45										
	35										
35.0	53										
	63										
	62										
40.0	97										
	89										
45.0											

PAGE 2 OF 4	PROJECT: HECTOR - GOLDEN SPRAY ZONE	HOLE NO. 87-11

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM (m)	SAMPLES TO (m)	SAMPLES WIDTH (m)	SAMPLE NUMBER	ASSAYS Cu %	Pb %	Zn %	As %	Ag oz/t	Au oz/t
- 1% disseminated pyrite		23.8	28.2	4.4	16182	0.02	0.19	0.03	0.01	0.67	<0.005
- 1% disseminated pyrite		28.2	32.5	3.7	16183	0.01	0.01	0.04	<0.01	0.23	<0.005
- 1-2% disseminated galena and pyrite		32.5	33.0	0.5	16184	0.02	0.06	0.02	<0.01	0.16	<0.005
- 1% disseminated pyrite		33.0	34.3	1.3	16185	0.02	0.01	0.05	<0.01	0.10	<0.005

PAGE 3 OF 4 | PROJECT: HECTOR - GOLDEN SPRAY ZONE | HOLE NO. 87-11

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A (Qtz.)	ALTERATION B (Co2)	ALTERATION C (Chl.)	ALTERATION D	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ.
	90										
	77										
	87										
50.0	85										
	95										
	65										
— EOH —	1										

PAGE 4 OF 4	PROJECT: HECTOR - GOLDEN SPRAY ZONE	HOLE NO. 87-11

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS				

PAGE	OF	PROJECT:	HOLE NO.

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ.	
					A	B	C	D	E			

PAMICON DEVELOPMENTS LIMITED

DRILL LOG

PROJECT: HECTOR - GOLDEN SPRAY ZONE	GROUND ELEV.
HOLE NO.: DDH 87-12	BEARING: 236°
LOCATION: 0+50.2N/0+01.8E	DIP: -45°
	TOTAL LENGTH: 31.1 m
LOGGED BY: Steve Toderuk	HORIZONTAL PROJECT
DATE: Oct. 15, 1982	VERTICAL PROJECT
CONTRACTOR: Nomad Drilling Inc.	**ALTERATION SCALE**
CORE SIZE: BQ	
DATE STARTED: Oct. 14, 1987	**TOTAL SULPHIDE SCALE**
DATE COMPLETED: Oct. 15, 1987	
DIP TESTS	
COMMENTS	LEGEND

absent
slight
moderate
intense

traces only
< 1%
1% – 3%
3% – 10%
> 10%

PAGE 1 OF 4 | PROJECT: HECTOR - GOLDEN SPRAY ZONE | HOLE NO. 87-12

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A Qtz	ALTERATION B CO_2	ALTERATION C Chl	ALTERATION D	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ.
				0.0-3.2m Overburden							
	55			3.2-31.1m EOH Andesite Agglomerate - andesitic fragments up to 3-5 cm, sub-angular							
5.0	73			to sub-rounded, hornblende and plagioclase feldspar phenocrysts up to 6mm x 2-3mm. Chlorite							
	65			alteration is pervasive. Moderate							
	83			magnetics. Quartz/calcite veining							
10.0	95			is weak to moderate throughout.							
	94			4.6-6.9m Andesite Agglomerate with moderate chlorite alteration,							
				weak carbonate and 1-3%							
15.0	85			pyrite							
	81			11.9-13.4m Andesite Agglomerate - with							
	93			quartz/calcite veins up to 4-5mm							
	83			at 50° and 75° to c/a.							
20.0	93			Moderate to strong magnetite							
	90			13.4-15.4m Andesite Agglomerate -							
	75			pyritized as above.							
25.0	82			15.4-18.0m Andesite Agglomerate -							
	83			pyritized as above.							
	57			18.0-19.6m Quartz Vein Zone -							
30.0	82			bullish grey color with up to							
EOH				5-10% pyrite, strongly							
				fractured.							
				19.6-20.9m Silicified Zone with							
				strong chlorite alteration and							
				moderate to strong disseminated							
				pyrite. Bull quartz veins							
				up to 1cm at 45° to c/a.							
				20.9-21.7m Quartz Vein Zone -							
				bullish white to grey with							
				up to 5% disseminated							
				pyrite.							
				21.7-22.3m Andesite Agglomerate -							
				with moderate chlorite							
				alteration. Pyrite/quartz/							
				calcite bands at 55° to							
				c/a and up to 1 cm.							
				22.3-28.0m Andesite Agglomerate - with							
				quartz/calcite veins up to							
				2.0 cm. and at 50°-55°							
				to c/a with good pyrite.							

PAGE 2 OF 4	PROJECT: HECTOR - GOLDEN SPRAY ZONE	HOLE NO. 87-12

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu %	Pb %	Zn %	As %	Ag oz/t	Au oz/t
- 1-3% pyrite		4.6	6.9	2.3	16186	0.02	0.01	0.02	<0.01	0.09	<0.005
- 2-4% pyrite as disseminations and patches and fracture stringers up to 3-4 mm usually in matrix. Also, pyrite in quartz/calcite stringers.		11.9	13.4	1.5	16187	0.02	<0.01	0.04	<0.01	0.15	<0.005
- 2-4% pyrite as above.		13.4	15.4	2.0	16188	0.02	0.01	0.02	<0.01	0.07	<0.005
- 2-4% pyrite as above		15.4	18.0	2.6	16189	0.02	0.01	0.05	<0.01	0.04	<0.005
- 5-10 % pyrite disseminated, also stringers of pyrite up to 5-7 mm at 60-75° to core axis near 18.5m.		18.0	19.6	1.6	16190	0.02	0.05	0.56	0.01	0.24	0.005
- moderate to strong disseminated pyrite		19.6	20.9	1.3	16191	0.02	0.01	0.10	0.01	0.12	<0.005
- 5% disseminated pyrite		20.9	21.7	0.8	16192	0.01	0.03	0.02	<0.01	0.13	<0.005
- pyrite stringers up to 1cm		21.7	22.3	0.5	16193	0.04	0.01	0.03	0.02	0.59	0.016
- pyrite in quartz/calcite veins		22.3	28.0	5.7	16194	0.03	0.01	0.06	<0.01	0.09	0.006

PAGE 3 OF 4 | PROJECT: HECTOR - GOLDEN SPRAY ZONE | HOLE NO. 87-12

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A Qtz	B CO_2	C Chl.	D	E	FRACTURE INTENSITY	% VEIN QTZ.
				28.0 - 31.1 m Andesite Agglomerate - with strong chlorite alteration, 3-5% disseminated pyrite, quartz/calcite/pyrite stringers at 50° to c/a							

PAGE 4 OF 4	PROJECT: HECTOR - GOLDEN SPRAY ZONE	HOLE NO. 87-12

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu %	Pb %	Zn %	As %	Ag oz/t	Au oz/t
- 3-5% pyrite		28.0	31.1	3.1	16195	0.02	0.01	0.04	<0.01	0.11	<0.005

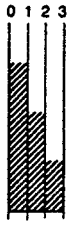
PAGE	OF	PROJECT:	HOLE NO.

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A	ALTERATION B	ALTERATION C	ALTERATION D	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ.	

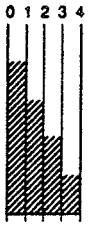
PAMICON DEVELOPMENTS LIMITED

DRILL LOG

PROJECT: HECTOR - GOLDEN SPRAY ZONE	GROUND ELEV.
HOLE NO.: DDH 87-13	BEARING: 236°
LOCATION: 0+50.4 N/0+02.0E	DIP: -65°
	TOTAL LENGTH: 48.3m
LOGGED BY: Steve Todoruk	HORIZONTAL PROJECT
DATE: Oct. 18, 1987	VERTICAL PROJECT
CONTRACTOR: Nomad Drilling Inc.	**ALTERATION SCALE**
CORE SIZE: BQ	
DATE STARTED: Oct. 16, 1987	
DATE COMPLETED: Oct. 16, 1987	**TOTAL SULPHIDE SCALE**
DIP TESTS	
COMMENTS	LEGEND



absent
slight
moderate
intense



traces only
< 1%
1% – 3%
3% – 10%
> 10%

PAGE 1 OF 4 | PROJECT: HECTOR - GOLDEN SPRAY ZONE | HOLE NO. 87-13

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A Qtz.	ALTERATION B CO_2	ALTERATION C Chl.	ALTERATION D	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ.
				0.0 - 4.2m Overburden							
5.0				4.2-48.3m FRAGMENTAL UNIT → Andesite Agglomerate?							
	25			EOH - Andesitic fragments up to 2-3 cm, sub-angular to sub-rounded. Weak to moderate chlorite alteration throughout.							
	27										
	48										
10.0				4.2-12.0m Moderate to strong magnetite throughout.							
	33			16.5-17.8m Rusty quartz/calcite veinlets up to 4 mm. at 70° to c/a, Disseminated pyrite throughout.							
15.0	22			17.8-18.7m Chlorite altered andesite agglomerate.							
	65			18.7-19.5m Quartz Vein/Silicified Zone with minor carbonate							
	62			19.5-21.9m MAIN ZONE Bullish white quartz veining							
20.0	55			with quartz veins at 20°-40° to c/a. Pyrite stringers							
	72			also at same orientation.							
	67			At 20.5 m and 21.5 m small clayey fault gouge zones.							
25.0	15			21.9-23.4m FOOTWALL ZONE ? weakly altered agglomerate.							
	53			2-3 mm pyrite stringers							
	85			at 70° to c/a.							
30.0	13			23.4-26.5m Chlorite altered, with							
	90			weak quartz/calcite veining							
	97			at 55° to c/a, weak							
	92			pyrite/quartz/calcite veinlets up to 2mm at 15-20° to c/a.							
35.0	100			26.5-27.8m Quartz/calcite/pyrite stringers							
	98			at 0-10° to c/a up to 1.5 cm, good pyrite							
	93			27.8-28.7m Silicified Zone with quartz veins up to 2-3 cm							
40.0	92			at 0-15° to c/a. Strong chlorite alteration.							
	88			28.7-29.0m Quartz Vein Zone -							
	98			bullish with strong silicification							
45.0	103			and chlorite alteration.							

PAGE 2 OF 4 | PROJECT: HECTOR - GOLDEN SPRAY ZONE | HOLE NO. 87-13

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu %	Pb %	Zn %	As %	Ag oz/t	Au oz/t
- 4-8% pyrite disseminated and as patchy blebs throughout agglomerate		16.5	17.8	1.3	16196	0.02	0.01	0.04	0.01	0.12	0.005
- 1-2% disseminated pyrite		17.8	18.7	0.9	16197	0.03	0.01	0.08	0.02	0.09	0.005
- 2-3% disseminated pyrite		18.7	19.5	0.8	16198	0.01	<0.01	0.09	0.02	<0.01	<0.005
- up to 15% pyrite disseminated, patchy and as stringers		19.5	21.9	2.4	16199	0.01	0.01	0.03	0.02	0.10	<0.005
- 2-3% pyrite disseminated and as stringers.		21.9	23.4	1.5	16200	0.01	0.01	0.05	0.02	0.04	<0.005
- 1-2% pyrite		23.4	26.5	3.1	16201	0.03	<0.01	0.04	0.01	0.07	0.006
- strong pyrite in veins up to 1.5 cm.		26.5	27.8	1.3	16202	0.02	<0.01	0.07	0.04	0.05	0.005
- 3-5% disseminated pyrite		27.8	28.7	0.9	16203	<0.01	<0.01	0.02	<0.01	0.06	<0.005
- 2% disseminated pyrite		28.7	29.0	0.3	16204	<0.01	<0.01	0.02	<0.01	0.05	<0.005

PAGE 3 OF 4 | PROJECT: HECTOR- GOLDEN SPRAY ZONE | HOLE NO. 97-13

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A Qtz	ALTERATION B CO_2	ALTERATION C Chl.	ALTERATION D	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ.
				29.0-31.6m Moderate to strongly chlorite altered agglomerate with pyrite stringers at 15-20° to core axis.							
	65			31.6-32.7m Chlorite altered agglomerate with quartz/calcite/pyrite stringers up to 2 cm. at 0-15° to c/a. Good pyrite.							
EOH	63			32.7-34.1m FOOTWALL ZONE ? weakly altered 42.1-42.2m Quartz/calcite/pyrite vein at 15-20° to c/a. Looks like same vein as in DDH 87-12 at 27.7m.							

PAGE 4 OF 4 | PROJECT: HECTOR - GOLDEN SPRAY ZONE | HOLE NO. 87-13

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu %	Pb %	Zn %	As %	Ag oz/t	Au oz/t
- 5-8% pyrite disseminated and as stringers		29.0	31.6	2.6	16205	0.02	0.01	0.06	0.02	0.10	<0.005
- good pyrite in quartz/calcite stringers- * there is one stringer that runs down length of core.		31.6	32.7	1.1	16206	0.02	0.03	0.24	0.01	0.17	<0.005
- < 2% disseminated pyrite		32.7	34.1	1.4	16207	0.01	0.01	0.05	<0.01	0.03	<0.005
- good pyrite in vein		42.1	42.2	0.1	16208	0.02	0.02	0.03	0.02	0.19	0.014

PAGE	OF	PROJECT:	HOLE NO.

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ.	
					A	B	C	D	E			

PAMICON DEVELOPMENTS LIMITED

DRILL LOG

PROJECT: HECTOR - GOLDEN SPRAY ZONE	GROUND ELEV.
HOLE NO.: DDH 87-14	BEARING: 215°
LOCATION: 0+71.6 N/0+30 W	DIP: -45°
	TOTAL LENGTH: 35.0m.
LOGGED BY: Steve Todoruk	HORIZONTAL PROJECT
DATE: Oct. 17, 1987	VERTICAL PROJECT
CONTRACTOR: Nomad Drilling Inc.	**ALTERATION SCALE**
CORE SIZE: BQ	0 1 2 3 — absent; slight; moderate; intense
DATE STARTED: Oct. 16, 1987	**TOTAL SULPHIDE SCALE**
DATE COMPLETED: Oct. 18, 1987	0 1 2 3 4 — traces only; < 1%; 1% – 3%; 3% – 10%; > 10%
DIP TESTS	
COMMENTS	LEGEND

PAGE 1 OF | PROJECT: HECTOR - GOLDEN SPRAY ZONE | HOLE NO. 87-14

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A (Qtz.)	ALTERATION B (CO_2)	ALTERATION C (Chl.)	ALTERATION D	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ.
				0.0 - 2.0m Overburden							
				2.0 - 13.7m Hornblende Porphyry Dyke - medium to dark green color, sometimes fine-grained							
5.0	82										
	97			3.7 - 12.8m zone of moderate to strong magnetics.							
	100			6.4 - 9.6m zone of very strong chlorite alteration mainly along quartz/calcite veins							
	93										
10.0	93			at 10-15° and 70° to c/a.							
	95			* At 8.1 m is serpentine filled fracture - 1/2 cm - at 10-15° to c/a (fault?)							
	100			Rock either side is extremely							
15.0	93			chloritic and bleached.							
	97			13.7 - 23.9m GREYWACKE - weakly altered							
	93			23.9 - 35.0m ANDESITE AGGLOMERATE - good							
				EOH sub-angular to sub-rounded andesite							
20.0	100			fragments up to 4 cm. moderate							
	100			chlorite alteration.							
	100			23.9 - 26.5m zone of strong quartz/							
			CAVE IN	calcite veining at 20° -							
	49	SS		25° to c/a with good							
25.0		S		pyrite up to 1 cm.							
		SS		* 23.9 - 25.0m CAVE-IN AND SAND.							
	28	Δ		Probably fault. Is quartz							
		Δ		vein chips present.							
	80	Δ		26.5 - 29.6m Silicified Andesite Agglomerate							
30.0		Δ		Quartz/calcite stringers with							
	88	Δ		5-10% pyrite.							
	92	Δ		29.6 - 31.8m Same zone as above.							
		Δ		Quartz/calcite veins at 20°							
	82	Δ		to c/a							
35.0	85	Δ		31.8 - 33.5m Moderate chlorite alteration,							
				quartz/calcite veins up to							
				3 mm. at 40° to c/a.							

PAGE 2 OF | PROJECT: HECTOR - GOLDEN SPRAY ZONE | HOLE NO. 97-14

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu %	Pb %	Zn %	As %	Ag oz/t	Au oz/t
- 1-2% disseminated pyrite											
- 5-15% disseminated, patchy and stringer pyrite		23.9	26.5	2.6	16209	0.02	0.01	0.33	<0.01	0.35	<0.005
- 5-10% pyrite disseminated, patchy and as stringers.		26.5	29.6	3.1	16210	0.02	0.02	0.05	<0.01	0.08	<0.005
- 5-10% pyrite		29.6	31.8	2.2	16211	0.02	0.02	0.06	<0.01	0.17	<0.005
- 2-4% pyrite in veins		31.8	33.5	1.7	16212	0.01	0.01	0.17	<0.01	0.24	0.005

PAGE	OF	PROJECT:	HOLE NO.

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ.	
					A	B	C	D	E			

PAMICON DEVELOPMENTS LIMITED

DRILL LOG

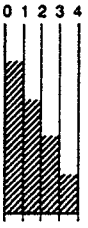
PROJECT: HECTOR - GOLDEN SPRAY ZONE	GROUND ELEV.
HOLE NO.: DDH 87-15	BEARING: 215°
LOCATION: 0+71.9N/0+29.6W	DIP: -65°
	TOTAL LENGTH: 47.9m
LOGGED BY: Steve Todoruk	HORIZONTAL PROJECT
DATE: Oct. 19, 1987	VERTICAL PROJECT
CONTRACTOR: Nomad Drilling Inc.	**ALTERATION SCALE**
CORE SIZE: BQ	
DATE STARTED: Oct. 18, 1987	
DATE COMPLETED: Oct. 19, 1987	**TOTAL SULPHIDE SCALE**
DIP TESTS	
COMMENTS	LEGEND

absent

slight

moderate

intense



traces only

< 1%

1% – 3%

3% – 10%

> 10%

PAGE 1 OF 4 | PROJECT: HECTOR - GOLDEN SPRAY ZONE | HOLE NO. 97-15

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION Qtz A	CO_2 B	Chl C	D	E	FRACTURE INTENSITY	% VEIN QTZ.
				0.0-2.0m Overburden							
				2.0-20.4m Hornblende Porphyry Dyke - medium green color, hornblende phenocrysts up to 3mm x 6mm. Moderate magnetics							
5.0	88			from 5.0-7.1m. Weak quartz/calcite							
	95			veining at 40°-45° to c/a.							
	93			7.2-10.0m Strongly chlorite							
	100			altered zone especially							
10.0				along quartz/calcite veins							
	98			at 40° to c/a. Strongest							
	90			alteration between 9.2-							
	75			9.8m.							
				20.4-36.0m Greywacke/Siltstone - bedding at 45°							
15.0	100			to c/a. At 22.9m and 29.2m							
	100			are quartz/manganese/pyrite veins up							
	95			to 2cm and at 40-45° to c/a.							
	97			31.4-32.3m - zone of strong chlorite							
				alteration.							
20.0				36.0-47.9m Andesite Agglomerate ? -							
	100			EOH most of interval is altered → hard							
	95			to distinguish individual fragments.							
	100			Looks different than greywacke.							
25.0				37.4-38.7m Moderate quartz/calcite							
	100			veining with pyrite.							
	100			38.7-39.0m Quartz Vein Zone -							
	93			bullish white							
				39.0-41.0m Silicified Zone - with							
30.0				weak quartz veining activity.							
	100			Silicification is greyish							
	70			color. Brecciated.							
	80			41.0-42.5m Silicified Zone as above							
35.0	92			with minor carbonate.							
	77										
	80										
40.0	78										
	67										
	55										
45.0											

PAGE 2 OF 4 | PROJECT: HECTOR - GOLDEN SPRAY ZONE | HOLE NO. 87-15

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES FROM	SAMPLES TO	SAMPLES WIDTH	SAMPLE NUMBER	ASSAYS Cu %	Pb %	Zn %	As %	Ag oz/t	Au oz/t
- 3-5% pyrite in veins		37.4	38.7	1.3	16213	0.02	0.02	0.07	<0.01	0.07	<0.005
- 1% disseminated pyrite		38.7	39.0	0.3	16214	0.01	0.04	0.02	<0.01	1.51	0.009
- 5-15% pyrite disseminated throughout.		39.0	41.0	2.0	16215	0.02	0.02	0.04	0.02	0.36	0.005
- 5-8% disseminated pyrite		41.0	42.5	1.5	16216	0.01	0.02	0.02	0.01	0.09	<0.005

PAGE 3 OF 4 | PROJECT: HECTOR - GOLDEN SPRAY ZONE | HOLE NO. 87-15

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION A (Qtz)	ALTERATION B (Co₂)	ALTERATION C (Chl)	ALTERATION D	ALTERATION E	FRACTURE INTENSITY	% VEIN QTZ.
	53	Δ									
		Δ									
	53	Δ									
EOH											

PROJECT: HECTOR - GOLDEN SPRAY ZONE

HOLE NO. 87-15

MINERALIZATION DESCRIPTION	TOTAL SULPHIDE	SAMPLES			SAMPLE NUMBER	ASSAYS				
		FROM	TO	WIDTH						

PAGE	OF	PROJECT:	HOLE NO.

DEPTH (m)	% CORE REC	LITHOLOGY	STRUCTURE	GEOLOGICAL DESCRIPTION	ALTERATION					FRACTURE INTENSITY	% VEIN QTZ.	
					A	B	C	D	E			

APPENDIX VI

ASSAY CERTIFICATES

HECT - SKY

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 870899 AA JOB NUMBER: 870899 **PAMICON DEVELOPMENT LTD.**

SAMPLE #	Pb %	Zn %	Ag oz/st	Au oz/st
13360	--	--	.07	<.005
13362	--	--	.03	.005
13363	--	--	.02	<.005
DETECTION LIMIT	.01	.01	.01	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 870784 AA JOB NUMBER: 870784 **PAMICON DEVELOPMENT LTD.**

SAMPLE #	Au oz/st
13401	.005
13402	.006
13403	.050
13404	.030
13405	.018
13406	<.005
13407	.015
13408	.024
13409	<.005
13410	<.005
13412	.108

DETECTION LIMIT .005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH:(604)986-5211 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SR,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: PAMICON DEVELOPMENT
ATTENTION: KELLY KAYE
PROJECT: BRONSON

REPORT#: PA
JOB#: 870784
INVOICE#: NA

DATE RECEIVED: 87/07/21
DATE COMPLETED: 87/07/23
COPY SENT TO:

ANALYST W. Rowe

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
13401	3.9	.24	430	ND	28	6	.55	7.0	13	37	118	4.55	.10	.08	374	24	.36	10	.06	525	ND	ND	126	ND	17	ND	ND	638
13402	2.7	.48	400	ND	19	ND	1.62	3.5	9	20	82	6.46	.15	.17	1259	60	.24	8	.09	254	ND	ND	52	ND	35	ND	ND	232
13403	70.7	.46	1018	6	15	43	.10	5.2	12	20	158	8.87	.10	.31	790	15	.70	6	.06	706	ND	ND	17	ND	6	ND	ND	1160
13404	3.4	1.34	452	ND	34	ND	4.99	9.5	13	26	50	5.24	.13	1.38	4198	2	.68	14	.19	160	ND	ND	ND	ND	181	ND	ND	1305
13405	6.2	.30	265	ND	72	3	.64	32.9	17	47	103	3.29	.11	.16	1107	4	1.23	5	.06	358	ND	ND	8	ND	89	ND	ND	2874
13406	.1	3.76	24	ND	129	ND	1.33	24.2	41	67	318	7.23	.13	4.11	4347	4	1.19	31	.26	146	ND	ND	4	ND	78	ND	ND	2365
13407	1.1	1.68	182	ND	79	ND	3.11	25.0	14	30	106	4.62	.14	1.51	2447	1	1.17	14	.16	75	ND	ND	ND	ND	92	ND	ND	2571
13408	15.7	.72	167	ND	85	6	3.74	14.6	13	36	73	3.76	.12	.60	2659	11	.68	8	.06	268	ND	ND	ND	ND	88	ND	ND	1454
13409	.1	2.38	28	ND	260	ND	3.91	11.5	13	32	36	4.58	.15	2.47	2810	1	.77	14	.17	894	ND	ND	ND	ND	122	ND	ND	1546
13410	.8	.21	3	ND	45	ND	15.78	4.6	1	7	4	.40	.01	.15	4333	ND	.14	1	.05	5557	ND	ND	ND	ND	257	ND	ND	434
13412	36.8	.39	1246	6	26	15	.19	1.9	7	18	277	9.42	.12	.21	393	12	.52	1	.06	342	ND	ND	10	ND	8	3	ND	705
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VANGEOCHEM LAB LIMITED

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1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 870852 GA JOB NUMBER: 870852 **PAMICON DEVELOPMENT LTD.**

SAMPLE #	Au ppb
13411	900
13428	880
13429	1650

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH:(604)986-5211 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: PAMICON
ATTENTION: S. TODURUK
PROJECT: HECTOR

REPORT#: PA
JOB#: 870852
INVOICE#: NA

DATE RECEIVED: 87/7/28
DATE COMPLETED: 87/8/12
COPY SENT TO: C.K. IKONA

ANALYST W. Reamsy

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM	
13251	.1	1.79	ND	ND	23	4	.93	.2	21	6	51	4.69	.01	1.39	547	26	.08	5	.08	4	ND	ND	ND	4	48	ND	4	46	STU 4+5
13252	.5	2.20	ND	ND	29	12	.65	.1	10	17	218	5.25	.02	1.16	542	2	.10	10	.08	14	ND	ND	ND	ND	63	ND	ND	60	
13411	88.6	.53	979	ND	8	46	1.58	6.1	35	13	125	5.30	.03	.40	1621	1	.35	5	.01	587	ND	ND	ND	ND	47	ND	ND	1043	SKY 4+5
13428	46.1	.13	521	ND	22	19	.04	.3	7	32	231	6.23	.02	.03	109	11	.24	4	.01	996	ND	ND	6	ND	4	ND	ND	539	
13429	.1	1.43	ND	ND	18	3	.74	.1	16	4	40	3.75	.01	1.12	437	20	.07	4	.07	3	ND	ND	ND	3	38	ND	3	36	
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1	

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 871001 GA JOB NUMBER: 871001 **PANICON DEVELOPMENT LTD.**

SAMPLE #	Au ppb
12651	690
12652	100
12653	nd
12654	10
12655	280
12656	430
12657	105
12658	40
12659	2260
12660	780
12661	20
12662	485
12663	80
13430	1200
13431	4900
13432	5670
13433	3700
13435	110
13436	16590

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH:(604)986-5211 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: PAMICON
ATTENTION: A. Hector.
PROJECT:

REPORT#: 871001PA
JOB#: 871001
INVOICE#: 871001NA

DATE RECEIVED: 87/08/10
DATE COMPLETED: 87/09/ 02
COPY SENT TO:

ANALYST W. Rease

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
12651	20.9	.20	1401	ND	14	ND	.12	.1	14	120	311	4.75	.06	.09	425	2	.12	9	.01	235	ND	ND	16	ND	3	ND	ND	92
12652	5.1	.43	658	ND	17	ND	.07	1.3	7	99	83	3.75	.05	.08	188	3	.33	9	.04	92	ND	ND	13	ND	3	ND	ND	627
12653	.1	.81	28	ND	99	ND	2.45	.1	8	54	67	2.35	.09	.65	1809	1	.09	10	.07	57	ND	ND	4	ND	120	ND	4	103
12654	8.5	1.42	408	ND	21	ND	.20	.1	29	55	390	10.98	.09	.49	965	4	.48	24	.14	230	ND	ND	14	ND	9	ND	ND	523
12655	8.1	1.23	1109	3	10	ND	.21	.1	45	50	247	15.93	.11	.30	320	6	.47	31	.11	186	ND	ND	20	ND	7	ND	ND	218
12656	7.3	1.03	1004	ND	28	4	.14	.1	10	57	187	9.15	.08	.29	761	2	.33	6	.11	92	ND	ND	19	ND	5	ND	ND	286
12657	8.2	.48	781	ND	90	5	.90	.6	8	102	111	4.42	.07	.25	908	4	.40	9	.02	345	ND	ND	11	ND	32	ND	ND	736
12658	1.4	1.24	110	ND	199	ND	.53	1.1	12	43	58	3.88	.07	.73	1167	3	.17	20	.11	3258	ND	ND	9	ND	584	ND	ND	200
12659	26.1	.11	1701	6	3	4	.03	.1	83	75	2946	22.63	.11	.05	392	9	.72	26	.01	485	ND	ND	28	ND	11	ND	ND	377
12660	4.6	1.67	3448	ND	9	ND	.22	.1	30	18	603	11.81	.08	.65	429	3	.50	38	.11	478	ND	ND	20	ND	13	ND	ND	485
12661	1.8	.64	193	ND	77	ND	4.00	76.1	19	20	471	3.82	.12	.63	2455	1	2.26	19	.19	151	ND	ND	7	ND	151	ND	ND	5101
12662	21.8	.62	657	3	3	6	.08	.1	50	101	484	16.55	.09	.21	486	4	.60	36	.02	355	ND	ND	22	ND	12	ND	ND	455
12663	3.4	.20	272	ND	22	ND	.01	.1	4	89	64	3.21	.05	.03	103	2	.08	8	.02	35	ND	ND	11	ND	4	ND	4	34
13430	16.5	.77	1571	ND	9	9	.10	.1	31	77	405	12.00	.07	.11	292	6	.45	8	.02	184	ND	ND	20	ND	3	ND	ND	373
13431	95.4	.67	283	ND	14	42	.06	7.5	4	117	176	5.20	.07	.11	258	37	.47	5	.02	591	ND	ND	12	ND	2	ND	ND	833
13432	90.2	1.49	1327	6	6	32	.06	.1	53	50	1576	15.19	.08	.28	534	25	.77	11	.03	692	ND	ND	18	ND	2	ND	ND	880
13433	48.6	.59	2138	ND	28	17	.13	.1	82	100	544	7.42	.07	.11	176	17	.36	4	.04	938	ND	ND	19	ND	6	ND	ND	422
13435	.1	.19	100	3	11	ND	25.42	.4	4	4	67	1.22	.01	.27	4822	1	.09	23	.01	91	ND	ND	4	ND	724	ND	ND	132
13436	>100	.12	2213	14	5	45	.18	2.3	133	12	889	24.84	.12	.05	132	4	1.34	16	.01	934	ND	ND	39	ND	6	ND	ND	1579
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 871046 GA JOB NUMBER: 871046 PANICON DEVELOPMENT LTD.

SAMPLE #		Au ppb
H-L0	0+25N	nd
H-L0	0+50N	nd
H-L0	0+75N	nd
H-L0	1+00N	15
H-L0	1+25N	15
H-L0	1+50N	10
H-L0	1+75N	10
H-L0	2+00N	nd
H-L0	2+25N	10
H-L0	2+50N	20
H-L0	2+75N	120
H-L0	3+00N	5
H-L0	3+25N	10
H-L0	3+50N	10
H-L0	3+75N	5
H-L0	0+25S	5
H-L0	0+50S	10
H-L0	0+75S	5
H-L0	1+00S	nd
H-L0	1+25S	10
H-L0	1+50S	10
H-L0	1+75S	5
H-L0	2+00S	15
H-L0	2+25S	40
H-L0	2+50S	10
H-L0	2+75S	40
H-L0	3+00S	15
H-L0	3+25S	nd
H-L0	3+50S	5
H-L0	3+75S	10
H-L0	4+00S	10
H-L0	4+25S	20
H-L0	4+50S	30
H-L0	4+75S	nd
H-L0	5+00S	10
H-L1W	0+00N	nd
H-L1	0+25N	15
H-L1	0+50N	5
H-L1W	0+75N	10

DETECTION LIMIT 5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
H-L1W 1+00N	15
H-L1 1+25N	10
H-L1 1+50N	25
H-L1 1+75N	5
H-L1W 2+00N	25
H-L1W 2+25N	25
H-L1 2+50N	30
H-L1 2+75N	20
H-L1 3+00N	20
H-L1W 3+25N	20
H-L1E 0+00N	5
H-L1E 0+25N	25
H-L1E 0+50N	nd
H-L1E 0+75N	20
H-L1E 1+00N	10
H-L1E 1+25N	10
H-L1E 1+50N	15
H-L1E 1+75N	20
H-L1E 0+25S	15
H-L1E 0+50S	10
H-L1E 0+75S	nd
H-L1E 1+00S	15
H-L1E 1+25S	15
H-L1E 1+50S	nd
H-L1E 1+75S	15
H-L1E 2+00S	nd
H-L1E 2+25S	nd
H-L1E 2+50S	15
H-L1E 2+75S	15
H-L1E 3+00S	30
H-L1E 3+25S	30
H-L1E 3+50S	5
H-L1E 3+75S	nd
H-L1E 4+00S	10
H-L1E 4+25S	20
H-L1E 4+50S	20
H-L1E 4+75S	40
H-L1E 5+00S	10
H-L1W 0+50S	nd
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
H-L1W 0+75S	nd
H-L1W 1+00S	20
H-L1W 1+75S	nd
H-L1W 2+00S	5
H-L1W 2+25S	5
H-L1W 2+50S	nd
H-L1W 3+00S	30
H-L1W 3+25S	10
H-L1W 3+50S	5
H-L1W 3+75S	5
H-L1W 4+25S	30
H-L1W 4+50S	35
H-L1W 4+75S	10
H-L1W 5+00S	25
H-L2[illegible] 0+00N	15
H-L2[illegible] 0+25N	15
H-L2 0+50N	5
H-L2 0+75N	10
H-L2 1+00N	nd
H-L2[illegible] 1+25N	nd
H-L2[illegible] 1+50N	nd
H-L2 1+75N A	20
H-L2 1+75N B	nd
H-L2 2+00N	20
H-L2[illegible] 2+25N	10
H-L2[illegible] 2+50N	5
H-L2 2+75N	20
H-L2[illegible] 3+00N	20
H-L2E 0+25S	10
H-L2E 0+50S	5
H-L2E 0+75S	10
H-L2E 1+00S	nd
H-L2E 1+25S	10
H-L2E 1+50S	5
H-L2E 1+75S	15
H-L2E 2+00S	10
H-L2E 2+25S	10
H-L2E 2+50S	20
H-L2E 2+75S	nd
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

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(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
H-L2E 3+00S	10
H-L2E 3+25S	5
H-L2E 3+50S	nd
H-L2E 3+75S	15
H-L2E 4+00S	10
H-L2E 4+25S	10
H-L2E 4+50S	nd
H-L2E 4+75S	30
H-L2E 5+00S	20
H-L2W 0+00N	10
H-L2W 0+25N	nd
H-L2W 0+50N	15
H-L2W 0+75N	nd
H-L2W 1+00N	20
H-L2W 1+25N	20
H-L2W 1+50N	10
H-L2W 2+00N	25
H-L2W 0+25S	10
H-L2W 0+50S	15
H-L2W 0+75S	5
H-L2W 1+00S	5
H-L2W 1+25S	25
H-L2W 1+50S	20
H-L2W 1+75S	10
H-L2W 2+00S	10
H-L2W 2+25S	15
H-L2W 2+50S	15
H-L2W 2+75S	15
H-L2W 3+00S	nd
H-L2W 3+25S	20
H-L2W 3+50S	10
H-L2W 4+00S	10
H-L2W 4+25S	nd
H-L2W 4+50S	10
H-L2W 4+75S	25
H-L3E 0+00N	5
H-L3 0+25N	nd
H-L3 0+50N	15
H-L3E 0+75N	nd
DETECTION LIMIT	5

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VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
H-L3E 1+00N	10
H-L3 1+25N	nd
H-L3 1+50N	5
H-L3 1+75N	nd
H-L3E 2+00N	15
H-L3E 2+25N	5
H-L3 2+50N	15
H-L3 2+75N	10
H-L3E 3+00N	10
H-L3E 0+25S	nd
H-L3E 0+50S	nd
H-L3E 0+75S	5
H-L3E 1+00S	5
H-L3E 1+25S	15
H-L3E 1+50S	60
H-L3E 1+75S	15
H-L3E 2+00S	10
H-L3E 2+25S	15
H-L3E 2+50S	15
H-L3E 2+75S	25
H-L3E 3+00S	nd
H-L3E 3+25S	15
H-L3E 3+50S	25
H-L3E 3+75S	25
H-L3E 4+00S	40
H-L3E 4+25S	20
H-L3E 4+50S	nd
H-L3W 0+00N	30
H-L3W 0+25N	5
H-L3W 0+50N	35
H-L3W 0+75N	5
H-L3W 1+00N	15
H-L3W 1+25N	35
H-L3W 1+50N	10
H-L3W 1+75N	20
H-L3W 2+00N	10
H-L3W 2+25N	15
H-L3W 2+50N	25
H-L4E 0+00N	nd
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE
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BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
H-L4 0+25N	10
H-L4 0+50N	15
H-L4 0+75N	10
H-L4 1+00N	nd
H-L4 1+25N	nd
H-L4 1+50N	15
H-L4 1+75N	10
H-L4 2+00N	5
H-L4 2+25N	25
H-L4W 0+00N	20
H-L4W 0+25N	15
H-L4W 0+50N	20
H-L4W 0+75N	10
H-L4W 1+00N	5
H-L4W 1+25N	10
H-L4W 1+50N	10
H-L4W 1+75N	nd
H-L4W 2+00N	5
H-L4W 2+25N	70
H-L4W 2+50N	10
H-L4W 2+75N	15
H-L4W 3+00N	20
H-L4W 3+25N	15
H-L5E 0+00N	nd
H-L5E 0+25N	5
H-L5E 0+50N	10
H-L5E 0+75N	5
H-L5E 1+00N	10
H-L5E 1+25N	10
H-L5E 1+50N	5
H-L5E 1+75N	10
H-L5E 2+00N	5
H-L5E 2+25N	30
H-L5W 0+25N	10
H-L5W 0+50N	20
H-L5W 0+75N	35
H-L5W 1+00N	10
H-L5W 1+25N	10
H-L5W 1+50N	15
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
H-L.5W 1+75N	5
H-L.5W 2+00N	5
H-L.5W 2+25N	nd
H-L.5W 2+50N	25
H-L.5W 2+75N	5
H-L.5W 3+00N	20
H-L.5W 3+25N	5

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH:(604)986-5211 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,TI,B,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: PAMICON DEVELOPMENT LTD.
ATTENTION:
PROJECT:

REPORT#: 871046PA
JOB#: 871046
INVOICE#: 871046NA

DATE RECEIVED: 87/08/13
DATE COMPLETED: 87/09/15
COPY SENT TO:

ANALYST A. Reeves

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
H-LO-0+25N	.6	2.79	25	ND	12	5	.06	.1	5	9	20	5.86	.03	.09	1277	8	.07	5	.04	53	ND	ND	7	8	2	ND	ND	80
H-LO-0+50N	.3	5.12	58	ND	23	ND	.06	.1	7	10	20	4.86	.12	.07	1501	9	.07	5	.10	31	ND	ND	4	ND	3	ND	ND	148
H-LO-0+75N	1.7	6.67	15	ND	16	ND	.04	.1	2	6	15	5.16	.14	.05	646	9	.02	3	.04	31	ND	ND	8	ND	2	5	ND	61
H-LO-1+00N	.6	3.65	69	ND	97	ND	.66	3.3	9	13	65	4.46	.17	.34	1870	6	.09	16	.11	29	ND	ND	ND	ND	39	ND	ND	364
H-LO-1+25N	3.4	[illegible]	24	ND	25	3	.06	.3	12	18	50	5.20	.04	.33	1550	7	.08	11	.09	49	ND	ND	ND	1	6	ND	ND	74
H-LO-1+50N	1.2	4.42	19	ND	10	ND	.03	.1	2	12	30	10.20	.05	.04	218	10	.14	4	.05	78	ND	ND	10	2	2	ND	ND	35
H-LO-1+75N	.3	2.56	38	ND	133	ND	.11	.1	16	13	73	5.26	.03	.51	3416	4	.11	11	.16	64	ND	ND	ND	ND	8	ND	ND	103
H-LO-2+00N	.1	2.87	65	ND	116	ND	.21	3.9	20	13	54	4.77	.08	.59	4003	5	.14	14	.18	114	ND	ND	ND	ND	17	ND	ND	343
H-LO-2+25N	.1	3.34	66	ND	126	ND	.74	2.3	15	17	89	4.66	.11	.46	2335	14	.12	13	.15	37	ND	ND	ND	ND	47	ND	ND	382
H-LO-2+50N	3.3	4.60	23	ND	11	5	.04	.1	5	11	31	7.62	.07	.05	245	15	.10	5	.03	55	ND	ND	11	15	2	ND	ND	54
H-LO-2+75N	4.3	3.73	54	ND	18	ND	.04	.1	10	14	53	6.14	.07	.16	371	8	.10	6	.07	334	ND	ND	5	3	3	ND	ND	112
H-LO-3+00N	.8	5.11	18	ND	24	ND	.05	.1	3	13	28	5.45	.09	.11	347	7	.05	6	.05	36	ND	ND	6	ND	3	ND	ND	57
H-LO-3+25N	1.2	2.75	17	ND	14	4	.02	.1	5	12	33	10.43	.06	.05	205	12	.15	4	.03	60	ND	ND	11	20	2	ND	ND	41
H-LO-3+50N	.1	3.33	25	ND	51	ND	.06	.1	5	12	52	9.69	.06	.28	275	6	.16	10	.08	23	ND	ND	5	ND	4	ND	ND	62
H-LO-3+75N	.1	2.47	10	ND	75	ND	.07	.1	4	14	19	5.53	.05	.20	312	6	.08	8	.05	20	ND	ND	4	4	6	ND	ND	46
H-LO-0+25S	.1	3.17	27	ND	100	ND	.63	4.2	17	15	61	4.85	.08	.73	4269	5	.13	27	.15	47	ND	ND	ND	ND	49	ND	ND	295
H-LO-0+50S	1.5	5.32	9	ND	14	ND	.06	.1	3	6	20	5.01	.10	.08	364	9	.04	4	.05	38	ND	ND	6	2	2	ND	ND	72
H-LO-0+75S	1.7	3.08	9	ND	12	ND	.04	.1	4	10	21	4.65	.05	.09	323	7	.04	4	.05	39	ND	ND	5	8	3	ND	ND	41
H-LO-1+00S	.5	4.71	9	ND	10	4	.03	.1	2	8	20	5.31	.07	.04	333	8	.05	5	.06	34	ND	ND	5	1	2	ND	ND	41
H-LO-1+25S	1.6	3.62	17	ND	9	ND	.03	.1	4	10	[illegible]	3.82	.08	.06	487	8	.06	4	.05	38	ND	ND	7	8	2	ND	ND	46
H-LO-1+50S	.1	3.41	30	ND	16	ND	.16	.1	43	27	150	8.91	.02	.37	1880	13	.17	52	.20	224	ND	ND	4	ND	10	ND	ND	78
H-LO-1+75S	.7	6.38	12	ND	19	ND	.05	.1	3	6	22	5.29	.13	.07	1078	6	.05	7	.07	37	ND	ND	7	ND	2	3	ND	76
H-LO-2+00S	.1	3.79	32	ND	35	3	.08	.1	19	17	83	5.48	.12	.66	2563	6	.12	27	.10	76	ND	ND	ND	ND	10	ND	ND	135
H-LO-2+25S	.1	2.72	29	ND	81	ND	.20	.3	20	17	134	4.61	.06	1.00	1569	2	.13	32	.10	57	ND	ND	ND	ND	24	ND	ND	221
H-LO-2+50S	.8	3.85	9	ND	17	ND	.06	.1	5	15	38	4.94	.12	.26	264	7	.05	11	.11	45	ND	ND	6	3	5	ND	ND	86
H-LO-2+75S	.1	2.83	33	ND	54	ND	.20	.1	20	16	125	5.07	.06	1.00	1948	3	.15	33	.16	90	ND	ND	ND	ND	21	ND	ND	269
H-LO-3+00S	.5	4.54	7	ND	19	ND	.04	.1	3	4	12	4.56	.11	.09	892	6	.04	3	.05	27	ND	ND	6	1	2	ND	ND	118
H-LO-3+25S	.1	3.39	18	ND	74	ND	.35	.1	15	17	52	4.88	.11	.61	1471	5	.08	25	.09	48	ND	ND	ND	ND	35	ND	ND	172
H-LO-3+50S	.1	4.18	11	ND	16	ND	.04	.1	6	12	34	4.91	.08	.17	556	7	.05	8	.09	59	ND	ND	3	4	4	ND	ND	78
H-LO-3+75S	.1	3.26	27	ND	27	3	.10	.1	16	17	59	4.89	.10	.63	1864	4	.10	31	.10	36	ND	ND	3	ND	9	ND	ND	146
H-LO-4+00S	.2	4.20	18	ND	32	ND	.06	.1	10	15	30	4.91	.13	.27	885	7	.08	24	.06	37	ND	ND	4	2	6	ND	ND	177
H-LO-4+25S	.1	3.48	18	ND	28	ND	.08	.1	12	17	59	5.38	.10	.42	1739	6	.07	24	.11	53	ND	ND	ND	ND	8	ND	ND	100
H-LO-4+50S	.1	3.84	23	ND	67	ND	.10	.1	21	30	168	6.14	.05	.92	1551	5	.12	30	.05	32	ND	ND	ND	ND	14	ND	ND	114
H-LO-4+75S	.1	5.31	7	ND	11	ND	.03	.1	7	12	48	5.24	.11	.10	871	6	.05	5	.08	31	ND	ND	4	1	2	ND	ND	51
H-LO-5+00S	.1	3.21	12	ND	50	ND	.06	.1	12	50	42	7.77	.01	.40	618	4	.13	59	.08	28	ND	ND	ND	ND	7	ND	[illegible]	[illegible]
H-LI-0+00N	2.4	4.38	13	ND	13	ND	.03	.1	3	10	22	4.66	.10	.08	207	7	.04	5	.06	35	ND	ND	7	6	2	ND	ND	61
H-LI-0+25N	4.0	4.74	15	ND	11	ND	.02	.1	2	13	31	9.21	.06	.04	241	9	.13	3	.04	58	ND	ND	10	4	1	ND	ND	38
H-LI-0+50N	.6	2.87	12	ND	7	ND	.02	.1	3	9	21	6.08	.05	.06	131	9	.06	2	.05	52	ND	ND	6	10	2	ND	ND	32
H-LI-0+75N	.1	2.82	28	ND	56	ND	.20	1.6	19	14	42	5.77	.04	.60	2702	6	.16	15	.14	148	ND	ND	ND	ND	13	ND	ND	237
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	Fe %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
H-LI-1+00N	.1	2.98	38	ND	62	ND	.17	.8	22	18	67	5.72	.06	1.04	5155	4	.15	14	.21	97	ND	ND	ND	ND	12	ND	ND	253
H-LI-1+25N	1.7	3.45	14	ND	16	ND	.06	.1	4	10	26	5.25	.06	.13	334	7	.06	5	.05	40	ND	ND	8	ND	5	ND	ND	47
H-LI-1+50N	2.4	3.20	15	ND	20	ND	.07	.3	6	28	33	5.16	.09	.23	496	7	.06	10	.06	50	ND	ND	5	ND	6	ND	ND	50
H-LI-1+75N	2.7	6.13	14	ND	15	ND	.05	.1	2	11	19	6.77	.11	.08	327	8	.07	ND	.05	43	ND	ND	12	ND	2	ND	ND	59
H-LI-2+00N	.1	3.93	69	ND	27	ND	.07	.1	32	50	68	7.91	.05	1.29	2007	7	.15	40	.09	155	ND	ND	5	ND	8	ND	ND	103
H-LI-2+25N	2.2	2.77	30	ND	39	ND	.09	.1	17	33	39	7.51	.07	.61	1139	5	.13	19	.11	65	ND	ND	5	ND	10	ND	ND	77
H-LI-2+50N	.1	2.78	21	ND	27	ND	.08	.1	19	29	40	5.59	.08	.43	3570	4	.09	13	.15	56	ND	ND	4	ND	7	ND	ND	68
H-LI-2+75N	2.5	4.82	13	ND	13	ND	.03	.1	4	12	28	6.72	.09	.13	379	8	.08	4	.06	40	ND	ND	8	ND	2	ND	ND	47
H-LI-3+00N	.2	4.25	24	ND	39	ND	.05	.1	7	30	39	6.67	.05	.43	385	6	.11	21	.05	74	ND	ND	5	ND	8	ND	ND	71
H-LI-3+25N	1.8	5.46	26	ND	18	ND	.01	.1	4	27	51	6.23	.07	.41	243	5	.12	20	.04	79	ND	ND	6	ND	2	ND	ND	117
H-LIE-0+00N	1.2	3.27	34	ND	21	ND	.08	.7	9	10	30	5.10	.09	.25	667	7	.09	4	.07	133	ND	ND	8	ND	9	ND	ND	129
H-LIE-0+25N	1.2	1.94	16	ND	16	ND	.11	.1	8	12	28	7.35	.07	.14	196	5	.09	2	.05	58	ND	ND	9	4	12	ND	ND	35
H-LIE-0+50N	1.8	1.57	5	ND	11	ND	.04	.6	1	4	22	1.89	.08	.05	41	3	.01	2	.08	16	ND	ND	4	ND	5	5	ND	14
H-LIE-0+75N	.1	3.46	17	ND	7	ND	.03	.1	2	12	21	6.53	.11	.11	212	7	.06	ND	.07	31	ND	ND	6	ND	2	ND	ND	45
H-LIE-1+00N	.6	1.56	7	ND	20	ND	.08	.1	2	5	14	1.65	.05	.06	67	2	.01	ND	.14	15	ND	ND	ND	ND	11	ND	ND	21
H-LIE-1+25N	.5	1.85	14	ND	13	5	.05	.1	5	11	23	5.18	.09	.19	159	6	.06	6	.06	35	ND	ND	6	ND	6	ND	ND	39
H-LIE-1+50N	.5	1.21	16	ND	67	3	.19	.1	10	7	19	5.18	.09	.11	1246	17	.07	ND	.05	44	ND	ND	6	8	11	ND	ND	78
H-LIE-1+75N	.1	1.54	8	ND	67	ND	.49	.1	24	5	47	4.75	.05	.52	2325	3	.08	5	.09	18	ND	ND	ND	ND	32	ND	ND	54
H-LIE-0+25S	.9	2.21	20	ND	11	ND	.05	.1	6	13	36	6.56	.10	.13	512	10	.06	4	.07	58	ND	ND	9	4	4	ND	ND	57
H-LIE-0+50S	.1	2.32	31	ND	30	ND	.19	.3	24	12	48	4.14	.05	.49	4386	3	.09	6	.17	95	ND	ND	ND	ND	16	ND	ND	103
H-LIE-0+75S	1.1	1.50	15	ND	14	ND	.05	.1	6	9	22	6.92	.06	.05	189	7	.10	12	.03	38	ND	ND	8	6	6	ND	ND	34
H-LIE-1+00S	.2	2.99	31	ND	23	3	.16	.7	23	17	57	3.35	.13	.67	3096	4	.03	11	.17	162	ND	ND	ND	ND	13	ND	ND	125
H-LIE-1+25S	1.9	2.17	17	ND	16	ND	.03	.1	4	9	26	9.25	.08	.05	220	8	.13	3	.05	58	ND	ND	12	3	5	ND	ND	33
H-LIE-1+50S	1.3	2.70	9	ND	19	4	.06	.1	5	16	23	3.92	.25	.22	210	5	.01	7	.09	43	ND	ND	5	ND	6	11	ND	66
H-LIE-1+75S	.8	2.20	41	ND	27	ND	.07	.1	5	16	37	4.94	.07	.36	413	4	.08	7	.07	60	ND	ND	3	ND	10	ND	ND	59
H-LIE-2+00S	2.7	3.41	28	ND	20	ND	.09	.1	5	17	34	5.63	.11	.53	287	7	.09	11	.08	176	ND	ND	7	ND	5	ND	ND	167
H-LIE-2+25S	.6	3.25	15	ND	16	ND	.08	.1	5	12	29	4.46	.10	.14	352	8	.05	2	.07	49	ND	ND	6	ND	8	ND	ND	61
H-LIE-2+50S	.4	2.89	25	ND	29	ND	.25	.1	21	16	80	4.98	.08	.84	2395	4	.10	16	.15	112	ND	ND	3	ND	24	ND	ND	164
H-LIE-2+75S	1.0	2.92	15	ND	9	ND	.04	.1	3	11	20	6.28	.11	.11	365	10	.07	1	.05	37	ND	ND	9	ND	3	ND	ND	58
H-LIE-3+00S	.1	1.92	23	ND	42	ND	.25	.1	9	17	46	3.77	.08	.64	424	5	.07	24	.08	31	ND	ND	3	ND	21	ND	ND	102
H-LIE-3+25S	.1	2.26	34	ND	64	ND	.30	.3	16	18	96	4.39	.09	.78	1142	4	.09	33	.11	44	ND	ND	3	ND	24	ND	ND	155
H-LIE-3+50S	.6	1.53	14	ND	13	4	.05	.1	6	12	19	3.89	.07	.20	421	8	.04	5	.07	33	ND	ND	4	ND	5	ND	ND	45
H-LIE-3+75S	.4	4.29	12	ND	17	ND	.07	.1	7	15	39	4.75	.13	.32	548	7	.06	7	.12	51	ND	ND	7	ND	6	4	ND	105
H-LIE-4+00S	.4	3.76	18	ND	16	ND	.08	.1	4	12	27	5.44	.07	.14	226	7	.07	2	.06	36	ND	ND	8	ND	8	ND	ND	47
H-LIE-4+25S	.1	3.66	16	ND	42	ND	.29	.1	16	15	68	5.06	.12	.65	1648	5	.06	17	.12	25	ND	ND	4	ND	27	ND	ND	120
H-LIE-4+50S	.1	2.56	25	ND	95	ND	.36	.2	15	20	30	4.60	.09	.73	1197	5	.08	33	.13	33	ND	ND	ND	ND	31	ND	ND	149
H-LIE-4+75S	.1	4.15	25	ND	26	ND	.07	.1	13	15	32	5.20	.12	.32	2089	9	.05	16	.09	31	ND	ND	6	ND	6	ND	ND	146
H-LIE-5+00S	.1	2.94	14	ND	53	ND	.16	1.0	16	17	26	3.65	.08	.39	1990	8	.03	6	.17	22	ND	ND	3	ND	14	ND	ND	106
H-LIW-0+50S	.9	2.53	17	ND	30	3	.27	.1	12	17	43	4.24	.06	.81	847	4	.08	16	.10	53	ND	ND	3	ND	26	ND	ND	106
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	3	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
H-L1W-0+75S	2.1	3.33	15	ND	10	4	.05	.1	4	11	22	6.45	.07	.08	565	8	.08	1	.06	45	ND	ND	6	5	2	ND	ND	54
H-L1W-1+00S	4.5	3.89	10	ND	19	5	.12	.1	3	11	21	5.55	.10	.10	237	7	.05	5	.07	40	ND	ND	6	6	7	ND	ND	91
H-L1W-1+75S	.9	3.65	24	ND	18	3	.06	.1	6	18	39	4.80	.08	.38	686	7	.07	11	.18	260	ND	ND	4	2	6	ND	ND	112
H-L1W-2+00S	1.9	2.35	23	ND	25	ND	.05	.1	5	10	31	4.10	.06	.20	488	7	.06	5	.08	42	ND	ND	5	3	8	3	ND	66
H-L1W-2+25S	2.2	3.56	24	ND	28	ND	.24	.1	12	30	24	5.74	.03	.23	2259	15	.11	6	.10	44	ND	ND	ND	1	20	ND	ND	149
H-L1W-2+50S	.5	4.42	16	ND	10	ND	.05	.1	4	14	33	7.70	.09	.10	478	11	.09	ND	.08	43	ND	ND	8	5	2	ND	ND	64
H-L1W-3+00S	.1	3.67	70	ND	71	ND	.07	.1	29	15	135	9.62	.08	....	....	5	.21	18	.26	154	ND	ND	4	ND	6	ND	ND	260
H-L1W-3+25S	.6	4.66	18	ND	19	ND	.11	.1	4	10	27	7.30	.06	.08	779	8	.10	2	.05	58	ND	ND	8	ND	7	ND	ND	43
H-L1W-3+50S	1.0	6.95	4	ND	11	ND	.04	.1	1	7	15	6.38	.03	.04	466	5	.04	ND	.07	32	ND	ND	3	ND	1	ND	ND	54
H-L1W-3+75S	.7	5.94	9	ND	12	ND	.04	.1	2	9	17	5.14	.09	.05	279	8	.04	ND	.06	31	ND	ND	7	ND	2	ND	ND	52
H-L1W-4+25S	.1	3.05	90	ND	99	ND	.09	.1	26	32	105	7.19	.06	1.24	4741	4	.16	67	.08	116	ND	ND	ND	ND	10	ND	ND	192
H-L1W-4+50S	.1	3.09	98	ND	27	3	.04	.1	19	35	106	5.85	.05	1.19	4995	7	.13	46	.15	156	ND	ND	3	ND	3	ND	ND	134
H-L1W-4+75S	1.5	2.48	9	ND	11	ND	.03	.1	5	12	18	2.86	.06	.06	262	6	.01	3	.03	55	ND	ND	5	14	3	3	ND	24
H-L1W-5+00S	9.7	3.46	43	ND	21	ND	.10	.1	11	12	46	5.85	.10	.38	1797	7	.08	19	.12	119	ND	ND	4	2	8	ND	ND	118
H-L2-0+00N	1.3	2.52	9	ND	13	ND	.06	.1	6	13	20	3.70	.09	.12	220	6	.01	2	.05	43	ND	ND	8	10	4	ND	ND	53
H-L2-0+25N	1.1	1.32	13	ND	23	4	.04	.1	7	8	22	3.85	.04	.06	223	10	.04	ND	.03	50	ND	ND	4	22	5	ND	ND	39
H-L2-0+50N	.6	3.48	12	ND	10	ND	.07	.1	3	10	18	6.62	.07	.09	252	8	.08	ND	.06	39	ND	ND	3	2	4	ND	ND	51
H-L2-0+75N	.5	3.32	11	ND	8	ND	.05	.1	3	7	27	5.56	.09	.09	379	8	.05	ND	.06	33	ND	ND	7	4	2	ND	ND	46
H-L2-1+00N	.1	2.94	14	ND	111	ND	.70	4.2	11	8	38	4.00	.12	.33	3319	8	.07	10	.13	29	ND	ND	ND	ND	37	ND	ND	283
H-L2-1+25N	1.5	1.67	9	ND	29	ND	.22	.6	5	7	20	1.74	.05	.12	470	4	.01	7	.10	16	ND	ND	ND	3	15	ND	4	31
H-L2-1+50N	1.1	3.98	7	ND	49	ND	.25	.3	44	13	32	3.82	.08	.33	7950	21	.04	18	.16	34	ND	ND	ND	ND	15	ND	ND	93
H-L2-1+75NA	5.8	6.47	14	ND	11	ND	.03	.1	4	15	39	8.26	.08	.08	425	13	.12	7	.03	59	10	ND	11	ND	1	ND	ND	68
H-L2-1+75NB	.2	2.48	10	ND	78	ND	.07	.1	4	6	21	3.52	.04	.29	152	5	.05	7	.05	25	ND	ND	3	ND	8	ND	ND	41
H-L2-2+00N	.1	2.13	23	ND	104	ND	.33	.1	58	4	64	5.45	.04	.98	3341	2	.12	6	.11	18	ND	ND	ND	ND	15	ND	ND	96
H-L2-2+25N	.2	2.74	10	ND	32	ND	.10	.1	12	12	40	4.68	.07	.37	1024	7	.07	5	.11	31	ND	ND	ND	1	9	ND	ND	76
H-L2-2+50N	.9	3.80	14	ND	24	ND	.11	.1	5	9	22	5.00	.05	.19	249	4	.06	4	.06	27	ND	ND	5	ND	11	ND	ND	38
H-L2-2+75N	.1	2.27	9	ND	143	ND	.21	.1	13	10	30	4.26	.07	.38	7432	5	.09	7	.16	26	ND	ND	ND	ND	18	ND	ND	134
H-L2-3+00N	.7	3.21	9	ND	87	ND	.20	.1	7	11	41	5.25	.08	.32	722	7	.04	3	.08	30	ND	ND	4	4	12	ND	ND	59
H-L2E-0+25S	1.3	3.29	26	ND	30	ND	.08	.1	6	16	49	5.13	.03	.33	342	5	.03	12	.08	65	ND	ND	4	ND	10	ND	ND	82
H-L2E-0+50S	.1	3.00	22	ND	15	ND	.04	.1	9	17	27	7.03	.08	.18	2580	18	.11	5	.09	35	ND	ND	6	5	3	ND	ND	113
H-L2E-0+75S	.1	2.85	12	ND	10	ND	.05	.1	4	13	24	6.42	.06	.15	420	9	.08	2	.03	36	ND	ND	5	3	4	ND	ND	52
H-L2E-1+00S	.1	2.58	7	ND	26	ND	.11	.1	5	13	51	8.49	.05	.23	229	4	.04	5	.05	33	ND	ND	5	4	11	ND	ND	49
H-L2E-1+25S	.7	2.46	20	ND	36	ND	.08	.1	8	42	42	9.72	.05	.36	331	9	.16	13	.07	43	ND	ND	8	6	9	ND	ND	64
H-L2E-1+50S	1.0	4.07	14	ND	16	ND	.05	.1	5	14	25	4.73	.09	.15	338	6	.05	2	.06	35	ND	ND	7	3	4	4	ND	60
H-L2E-1+75S	.3	2.64	15	ND	28	ND	.12	.1	11	17	31	4.26	.04	.52	351	5	.07	13	.13	60	ND	ND	ND	ND	15	ND	ND	102
H-L2E-2+00S	.8	5.17	13	ND	9	ND	.04	.1	2	9	16	8.14	.15	.08	495	10	....	3	.06	39	ND	ND	9	1	1	5	ND	78
H-L2E-2+25S	4.3	3.37	58	ND	69	ND	.49	1.5	14	18	60	5.16	.12	.47	2355	8	.15	19	.14	53	ND	ND	ND	ND	38	ND	ND	401
H-L2E-2+50S	.1	2.83	26	ND	31	ND	.24	.1	13	17	41	4.14	.05	.60	708	4	.09	11	.11	64	ND	ND	ND	1	23	ND	ND	206
H-L2E-2+75S	.5	4.77	17	ND	7	ND	.04	.1	3	4	23	5.55	.08	.07	312	9	.06	1	.07	42	ND	ND	7	1	2	3	ND	62
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
H-L2E-3+00S	1.1	1.04	14	ND	26	ND	.07	.4	5	7	14	2.14	.04	.07	97	5	.02	5	.04	34	ND	ND	4	5	8	ND	6	29
H-L2E-3+25S	1.1	2.53	45	ND	31	ND	.04	.1	7	15	24	6.14	.08	.28	1563	8	.10	9	.07	258	ND	ND	5	ND	6	ND	ND	87
H-L2E-3+50S	.7	2.93	17	ND	16	ND	.10	.1	7	21	40	3.44	.06	.28	554	6	.04	12	.10	46	ND	ND	3	ND	13	ND	ND	56
H-L2E-3+75S	.1	2.36	23	ND	26	3	.21	.1	15	21	46	4.12	.05	.34	1173	4	.07	16	.11	55	ND	ND	3	ND	13	ND	ND	72
H-L2E-4+00S	.1	3.19	22	ND	34	ND	.24	.1	18	25	79	6.24	.08	.64	1730	5	.10	31	.16	37	ND	ND	4	ND	23	ND	ND	109
H-L2E-4+25S	.3	1.69	12	ND	28	ND	.06	.1	6	23	17	2.42	.04	.28	810	5	.03	16	.08	24	ND	ND	ND	ND	9	ND	4	40
H-L2E-4+50S	.8	1.25	17	ND	9	ND	.04	.1	5	8	14	4.45	.07	.05	170	9	.03	8	.05	45	ND	ND	9	15	3	ND	3	35
H-L2E-4+75S	.1	3.77	75	ND	20	ND	.09	1.4	26	66	71	6.15	.10	1.00	2428	6	.21	76	.14	[illegible]	[illegible]	ND	4	ND	9	ND	ND	475
H-L2E-5+00S	.1	2.16	32	ND	34	ND	.07	.1	6	27	41	4.45	.06	.36	500	5	.06	17	.06	31	ND	ND	5	ND	11	ND	ND	69
H-L2W-0+00N	.9	4.11	22	ND	28	ND	.06	.1	14	17	53	5.58	.10	.39	5196	8	.03	10	.19	47	ND	ND	3	ND	4	ND	ND	77
H-L2W-0+25N	.1	2.33	18	ND	29	ND	.09	.1	10	28	34	6.28	.05	.61	783	4	.12	28	.07	23	ND	ND	ND	ND	9	ND	ND	67
H-L2W-0+50N	.3	3.89	37	ND	28	ND	.03	.1	9	34	51	6.83	.04	.51	680	6	.13	23	.05	41	ND	ND	ND	ND	4	ND	ND	80
H-L2W-0+75N	1.4	2.21	27	ND	27	ND	.11	.2	9	31	28	4.75	.03	.70	493	4	.09	24	.05	113	ND	ND	ND	ND	11	ND	ND	80
H-L2W-1+00N	.4	4.57	41	ND	51	ND	.11	.1	34	46	99	8.17	.06	1.02	2447	8	.18	40	.08	321	ND	ND	3	ND	9	ND	ND	215
H-L2W-1+25N	.1	3.43	56	ND	93	ND	.81	7.6	31	39	105	6.85	.08	1.32	5164	4	.27	52	.17	424	ND	ND	ND	ND	45	ND	ND	524
H-L2W-1+50N	.1	3.20	37	ND	65	ND	.30	.1	34	46	65	7.20	.05	1.44	5449	3	.18	52	.26	111	ND	ND	ND	ND	18	ND	ND	181
H-L2W-2+00N	.8	2.69	134	ND	239	ND	.32	3.3	23	23	74	5.94	.06	1.03	6006	4	.22	73	.15	144	ND	ND	ND	ND	20	ND	ND	417
H-L2W-0+25S	4.2	5.67	18	ND	15	ND	.04	.1	1	9	24	5.97	.08	.08	352	9	.07	3	.05	41	ND	ND	9	ND	2	ND	ND	54
H-L2W-0+50S	.5	4.10	20	ND	13	ND	.04	.1	4	8	31	5.79	.13	.11	880	7	.07	3	.07	31	ND	ND	8	ND	1	ND	ND	99
H-L2W-0+75S	1.0	6.45	19	ND	13	ND	.03	.1	2	8	19	5.29	.10	.05	702	9	.04	4	.07	32	ND	ND	9	ND	1	ND	ND	50
H-L2W-1+00S	1.9	5.09	25	ND	43	ND	.18	.1	4	8	26	6.23	.16	.09	684	11	.05	19	.03	28	ND	ND	8	ND	12	ND	ND	69
H-L2W-1+25S	.1	3.46	77	ND	170	ND	.52	1.5	10	21	47	4.47	.13	.08	1821	5	.12	26	.14	37	ND	ND	ND	ND	48	ND	ND	402
H-L2W-1+50S	3.3	5.29	19	ND	23	3	.06	.1	3	8	22	5.16	.12	.08	1136	5	.03	6	.06	36	ND	ND	9	ND	3	5	ND	78
H-L2W-1+75S	.5	4.17	13	ND	9	ND	.04	.1	3	14	31	7.06	.03	.03	710	10	.05	1	.03	39	ND	ND	6	ND	2	ND	ND	46
H-L2W-2+00S	2.7	4.24	15	ND	12	ND	.05	.1	4	11	24	4.52	.11	.11	203	7	.03	5	.08	32	ND	ND	6	ND	4	ND	ND	49
H-L2W-2+25S	.1	3.63	20	ND	13	ND	.04	.1	6	25	35	8.25	.03	.23	703	10	.12	9	.11	34	ND	ND	5	ND	4	ND	ND	69
H-L2W-2+50S	.3	2.99	22	ND	30	ND	.11	.1	16	14	61	6.31	.08	.48	2486	7	.10	25	.15	39	ND	ND	6	ND	11	ND	ND	95
H-L2W-2+75S	.9	3.80	17	ND	7	ND	.03	.1	1	7	16	5.85	.08	.05	474	7	.06	3	.04	26	ND	ND	7	ND	1	ND	ND	49
H-L2W-3+00S	1.1	4.70	17	ND	9	ND	.03	.1	1	5	15	4.80	.09	.06	262	8	.04	3	.08	28	ND	ND	7	ND	1	4	ND	60
H-L2W-3+25S	1.1	4.20	19	ND	40	ND	.11	.1	8	9	18	4.69	.10	.33	957	8	.06	12	.04	26	ND	ND	5	ND	10	ND	ND	101
H-L2W-3+50S	.3	6.72	12	ND	8	ND	.03	.1	1	7	15	4.81	.08	.04	299	7	.04	1	.07	25	ND	ND	8	ND	1	ND	ND	40
H-L2W-4+00S	.2	3.04	35	ND	15	ND	.04	.1	18	16	42	5.64	.08	.48	2136	7	.07	30	.09	38	ND	ND	5	ND	3	ND	ND	56
H-L2W-4+25S	1.1	1.13	13	ND	22	ND	.07	.4	5	10	13	1.45	.04	.20	187	3	.01	9	.07	76	ND	ND	4	ND	9	ND	4	36
H-L2W-4+50S	.4	4.34	17	ND	9	ND	.04	.1	2	9	18	7.09	.10	.06	875	9	.08	4	.08	33	ND	ND	8	ND	2	ND	ND	56
H-L2W-4+75S	.1	2.00	23	ND	12	ND	.02	.1	3	10	26	7.27	.07	.04	227	8	.10	6	.06	33	ND	ND	9	ND	4	ND	ND	36
H-L3-0+00N	2.7	1.88	14	ND	15	3	.05	.1	5	13	20	3.05	.08	.14	150	6	.02	5	.02	33	ND	ND	4	3	5	3	5	40
H-L3-0+25N	1.0	.99	13	ND	31	ND	.09	.6	4	4	11	1.53	.04	.08	65	4	.01	6	.06	23	ND	ND	5	3	15	ND	5	20
H-L3-0+50N	1.5	2.31	13	ND	20	ND	.19	.2	8	8	22	4.66	.07	.36	352	6	.04	7	.07	39	ND	ND	7	5	18	ND	ND	34
H-L3-0+75N	.4	1.20	21	ND	17	ND	.05	.2	4	8	17	2.72	.05	.17	283	6	.03	5	.07	45	ND	ND	4	ND	7	ND	3	41
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	3	2	2	1	3	3	1

L3E

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
H-L3-1+00N	.6	2.91	18	ND	9	ND	.05	.1	2	10	17	8.99	.08	.08	472	9	.11	3	.04	47	ND	ND	11	ND	2	ND	ND	67
H-L3-1+25N	1.0	3.08	13	ND	17	ND	.04	.1	3	9	31	4.91	.07	.15	139	7	.05	ND	.06	45	ND	ND	6	2	4	ND	ND	31
H-L3-1+50N	.1	2.39	11	ND	16	ND	.11	.1	4	12	36	4.50	.04	.28	153	5	.05	2	.09	30	ND	ND	4	ND	12	ND	ND	29
H-L3-1+75N	.3	1.05	6	ND	30	ND	.18	.1	5	6	12	1.52	.04	.14	93	2	.01	4	.07	7	ND	ND	ND	ND	19	ND	ND	27
H-L3-2+00N	.3	2.03	28	ND	45	ND	.14	.1	8	9	22	3.73	.05	.35	517	5	.05	5	.06	26	ND	ND	3	ND	14	ND	ND	38
H-L3-2+25N	.4	1.68	9	ND	77	ND	.17	.1	7	4	25	1.66	.06	.19	273	2	.01	3	.15	23	ND	ND	ND	ND	16	ND	ND	34
H-L3-2+50N	.7	2.36	19	ND	12	ND	.04	.1	4	11	32	3.56	.07	.07	180	9	.11	ND	.06	45	ND	ND	8	5	5	ND	ND	33
H-L3-2+75N	.4	2.58	17	ND	17	ND	.13	.1	4	8	21	5.55	.05	.16	271	6	.06	3	.06	36	ND	ND	6	ND	10	ND	ND	35
H-L3-3+00N	1.0	1.10	9	ND	24	3	.14	.1	7	4	15	1.65	.01	.13	233	2	.01	2	.04	23	ND	ND	3	ND	31	ND	[illegible]	21
H-L3E-0+25S	3.3	4.00	22	ND	18	ND	.11	.1	7	9	31	4.62	.07	.34	432	6	.07	3	.08	115	ND	ND	6	ND	10	ND	ND	107
H-L3E-0+50S	1.9	.92	8	ND	13	6	.03	.1	7	3	17	1.48	.06	.03	104	7	.01	ND	.04	30	ND	ND	6	25	3	6	ND	24
H-L3E-0+75S	1.4	3.51	8	ND	11	ND	.04	.1	4	13	24	6.40	.10	.08	241	8	.06	1	.06	47	ND	ND	9	3	3	ND	ND	44
H-L3E-1+00S	.8	4.40	24	ND	12	ND	.07	.1	5	15	37	5.04	.07	.24	336	8	.07	7	.06	55	ND	ND	7	ND	5	ND	ND	56
H-L3E-1+25S	.5	2.92	14	ND	13	ND	.08	.1	5	15	23	4.76	.09	.26	262	8	.04	5	.10	46	ND	ND	7	3	6	ND	ND	52
H-L3E-1+50S	.3	2.95	11	ND	8	ND	.03	.1	3	14	22	6.14	.07	.09	227	8	.10	ND	.05	43	ND	ND	9	ND	2	ND	ND	46
H-L3E-1+75S	.7	2.60	127	ND	36	ND	.05	.1	19	17	119	6.83	.06	.55	4374	4	.10	24	.13	48	ND	ND	4	ND	7	ND	ND	68
H-L3E-2+00S	1.5	3.95	18	ND	22	ND	.06	.1	4	5	16	4.32	.13	.09	939	5	.03	1	.04	30	ND	ND	8	ND	3	5	ND	89
H-L3E-2+25S	.4	4.50	11	ND	7	ND	.03	.1	2	7	18	5.95	.06	.05	585	8	.07	ND	.07	35	ND	ND	9	ND	2	ND	ND	42
H-L3E-2+50S	8.8	3.28	18	ND	10	ND	.04	.1	2	13	26	12.07	.08	.07	301	8	.17	ND	.04	58	ND	ND	13	ND	3	ND	ND	43
H-L3E-2+75S	.1	2.43	36	ND	50	ND	.15	.1	26	25	54	5.77	.06	.44	5704	5	.15	15	.16	131	ND	ND	4	ND	13	ND	ND	225
H-L3E-3+00S	1.1	2.87	10	ND	13	5	.06	.1	6	15	28	6.24	.08	.12	507	9	.08	15	.07	45	ND	ND	8	6	3	ND	ND	53
H-L3E-3+25S	1.5	4.26	12	ND	10	4	.04	.1	5	17	33	7.57	.11	.15	523	11	.09	3	.08	39	ND	ND	9	ND	2	ND	ND	72
H-L3E-3+50S	1.2	6.48	7	ND	13	ND	.03	.1	2	20	32	6.18	.04	.12	190	7	.08	5	.07	70	ND	ND	9	ND	3	ND	ND	43
H-L3E-3+75S	.1	2.59	28	ND	39	ND	.05	.1	23	23	77	7.41	.08	.24	2980	4	.16	31	.17	110	ND	ND	5	ND	8	ND	ND	186
H-L3E-4+00S	.1	3.04	56	ND	40	ND	.28	.1	13	32	111	6.78	.09	.76	3460	4	.18	42	.23	75	ND	ND	ND	ND	18	ND	ND	289
H-L3E-4+25S	.1	3.87	26	ND	29	ND	.12	.1	21	46	96	6.36	.11	.83	4784	5	.15	44	.23	126	ND	ND	ND	ND	10	ND	ND	292
H-L3E-4+50S	1.4	2.13	9	ND	23	ND	.08	.1	6	18	38	2.55	.05	.07	151	6	.01	1	.05	67	ND	ND	8	10	8	3	ND	26
H-L3W-0+00N	.5	3.50	24	ND	60	ND	.07	.1	14	20	74	5.44	.10	.57	2030	6	.08	17	.10	53	ND	ND	5	ND	6	ND	ND	131
H-L3W-0+25N	.1	2.41	36	ND	38	ND	.16	.1	8	47	23	5.68	.02	.74	564	3	.11	28	.07	33	ND	ND	ND	ND	15	ND	ND	51
H-L3W-0+50N	.1	3.92	12	ND	24	ND	.03	.1	4	21	54	6.11	.04	.38	217	9	.08	4	.05	57	ND	ND	6	ND	6	ND	ND	85
H-L3W-0+75N	.5	2.63	11	ND	20	ND	.06	.1	3	15	38	9.19	.05	.03	176	8	.14	2	.05	51	ND	ND	8	2	7	ND	ND	36
H-L3W-1+00N	.1	2.27	46	ND	377	ND	.74	.1	42	6	200	5.19	.05	.92	8250	6	.15	20	.23	53	ND	ND	ND	ND	115	ND	ND	213
H-L3W-1+25N	.1	4.38	183	ND	201	ND	.48	3.0	.2	20	34	3.66	.14	.40	1383	6	.18	17	.12	35	ND	ND	4	ND	54	[illegible]	[illegible]	511
H-L3W-1+50N	2.4	7.37	11	ND	25	ND	.05	.1	3	6	27	6.60	.13	.07	623	11	.09	ND	.05	29	ND	ND	11	ND	2	5	ND	74
H-L3W-1+75N	.1	2.75	40	ND	167	4	.43	.6	27	25	104	5.50	.07	1.15	3648	4	.13	70	.11	61	ND	ND	ND	ND	35	ND	ND	217
H-L3W-2+00N	1.1	4.23	34	ND	25	4	.10	.1	18	34	90	6.09	.11	.56	1417	6	.10	34	.13	72	ND	ND	6	ND	10	ND	ND	118
H-L3W-2+25N	.7	3.23	26	ND	34	ND	.11	.1	8	20	65	10.94	.05	.15	281	9	.18	13	.03	60	ND	ND	11	ND	10	ND	ND	49
H-L3W-2+50N	.5	[illegible]	[illegible]	ND	148	ND	.10	.1	9	19	56	5.68	.26	.28	2224	4	.04	23	.11	36	ND	ND	6	ND	7	3	ND	166
H-L4-0+00N	2.2	.85	5	ND	26	3	.03	.1	1	4	12	1.92	.04	.03	115	4	.01	ND	.07	23	ND	ND	4	10	12	ND	6	26
DETECTION LIMIT	.1	.01	5	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	1	2	1	5	3	1

CLIENT: PAMICON DEVELOPMENT LTD. JOB#: 871046 PROJECT: REPORT: 871046PA DATE: 87/09/15

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPB	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P PPM	PB PPM	PD PPB	PT PPB	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
H-L4-0+25N	.6	1.65	13	ND	23	ND	.11	.1	14	15	27	4.51	.06	.04	1066	4	.06	14	.06	65	ND	ND	ND	3	10	3	ND	74
H-L4-0+50N	.1	2.52	37	ND	44	ND	.20	.1	32	48	31	5.56	.04	.75	3560	5	.13	34	.16	95	ND	ND	ND	ND	19	ND	ND	131
H-L4-0+75N	1.3	7.17	8	ND	25	ND	.04	.1	3	19	40	5.65	.06	.08	261	10	.05	2	.07	34	ND	ND	4	ND	4	6	ND	37
H-L4-1+00N	2.1	6.24	13	ND	75	3	.05	.1	4	7	17	4.63	.09	.05	406	3	.02	ND	.04	70	ND	ND	4	ND	1	6	ND	62
H-L4-1+25N	.2	3.11	24	ND	27	3	.07	.1	6	21	56	5.86	.04	.56	406	6	.10	22	.04	38	ND	ND	ND	1	10	ND	ND	75
H-L4-1+50N	.1	4.35	23	ND	50	ND	.05	.1	22	26	101	6.04	.05	.71	1137	7	.08	17	.10	38	ND	ND	ND	ND	4	ND	ND	56
H-L4-1+75N	.1	3.47	20	ND	65	ND	.30	.1	42	45	46	5.62	.08	1.65	6066	2	.15	45	.24	31	ND	ND	ND	ND	20	ND	ND	63
H-L4-2+00N	1.1	2.40	16	ND	13	3	.07	.1	5	22	42	10.04	.05	.14	332	15	.16	3	.05	46	ND	ND	6	12	6	ND	ND	47
H-L4-2+25N	.1	5.76	48	ND	52	ND	.07	.1	37	75	134	7.55	.07	1.28	2721	7	.13	80	.07	45	ND		ND	ND	5	ND	ND	81
H-L4W-0+00N	.1	2.42	27	ND	21	ND	.11	.1	13	23	56	5.54	.04	.50	.775	3	.07	16	.12	308	ND	ND	ND	ND	6	ND	ND	107
H-L4W-0+25N	1.5	4.12	18	ND	5	ND	.05	.1	2	7	21	5.42	.09	.08	334	6	.05	ND	.07	63	ND	ND	ND	ND	2	ND	ND	58
H-L4W-0+50N	1.6	1.94	41	ND	28	ND	.07	.1	7	7	19	3.43	.04	.37	972	3	.07	2	.07	114	ND	ND	ND	ND	8	ND	ND	91
H-L4W-0+75N	.8	2.78	14	ND	213	ND	1.65	78.0	6	6	173	2.22	.08	.23	10309	10	.69	18	.18	77	ND	ND	ND	ND	72	ND	ND	2291
H-L4W-1+00N	.5	3.61	8	ND	26	ND	.14	1.4	7	8	25	5.70	.10	.10	951	11	.08	1	.07	35	ND	ND	ND	5	8	6	ND	117
H-L4W-1+25N	.4	1.54	10	ND	17	ND	.08	.1	4	7	20	4.80	.06	.06	431	7	.05	1	.08	34	ND	ND	ND	9	7	ND	ND	47
H-L4W-1+50N	1.2	2.21	7	ND	24	ND	.09	.3	6	9	22	4.14	.07	.15	373	10	.03	3	.05	35	ND	ND	ND	7	6	5	ND	49
H-L4W-1+75N	.5	3.66	9	ND	51	ND	.15	.3	12	12	35	3.88	.11	.25	4556	10	.04	9	.17	23	ND	ND	ND	ND	12	3	ND	105
H-L4W-2+00N	2.5	3.47	5	ND	65	ND	.22	.6	8	18	65	3.43	.16	.39	2373	6	.01	13	.22	20	ND	ND	ND	ND	13	5	ND	94
H-L4W-2+25N	.1	2.54	29	ND	45	ND	.26	.1	26	5	68	7.26	.01	.80	2290	3	.15	1	.11	58	ND	ND	ND	ND	26	ND	ND	95
H-L4W-2+50N	.1	3.01	11	ND	94	ND	.38	.1	28	43	70	5.04	.02	1.43	4126	2	.13	42	.36	41	ND	ND	ND	ND	26	ND	ND	86
H-L4W-2+75N	.1	4.14	27	ND	53	ND	.11	.1	13	37	74	7.07	.01	.81	1026	5	.16	46	.12	61	ND	ND	ND	ND	10	ND	ND	144
H-L4W-3+00N	.1	4.81	16	ND	25	ND	.05	.1	6	34	41	5.08	.05	.30	747	6	.08	13	.10	57	ND	ND	ND	ND	5	ND	ND	68
H-L4W-3+25N	.1	4.15	13	ND	47	ND	.04	.1	6	58	36	7.92	.01	.46	224	4	.14	35	.32	25	ND	ND	ND	ND	9	ND	ND	53
H-L5E-0+00N	1.3	1.10	4	ND	46	ND	.15	.1	8	7	28	2.71	.03	.15	130	4	.06	4	.06	23	ND	ND	ND	12	23	3	ND	33
H-L5E-0+25N	.7	2.54	6	ND	14	ND	.05	.1	2	10	32	1.26	.03	.16	87	2	.01	2	.17	16	ND	ND	ND	ND	7	6	4	23
H-L5E-0+50N	.5	.93	5	ND	21	4	.14	.1	8	7	19	5.53	.03	.13	164	7	.06	4	.05	32	ND	ND	ND	17	16	ND	ND	36
H-L5E-0+75N	.1	4.21	9	ND	50	ND	.12	.1	11	12	27	4.51	.18	.25	2682	26	.01	12	.10	25	ND	ND	ND	ND	7	6	ND	116
H-L5E-1+00N	.7	1.11	5	ND	18	ND	.07	.1	7	5	21	3.62	.05	.13	284	12	.03	4	.03	30	ND	ND	ND	17	9	5	ND	44
H-L5E-1+25N	.2	1.42	7	ND	16	ND	.10	.1	4	6	22	5.42	.04	.10	205	6	.07	4	.05	28	ND	ND	ND	11	10	ND	ND	37
H-L5E-1+50N	.3	1.06	4	ND	15	ND	.05	.1	3	7	17	2.16	.06	.10	168	3	.01	3	.04	25	ND	ND	ND	3	11	4	6	27
H-L5E-1+75N	0.5	1.16	3	ND	34	ND	.30	.1	10	7	19	2.31	.03	.30	174	3	.01	5	.07	23	ND	ND	ND	14	30	ND	3	30
H-L5E-2+00N	.5	1.40	14	ND	20	3	.10	.1	5	7	23	6.55	.06	.13	420	7	.08	2	.07	34	ND	ND	3	9	10	3	ND	46
H-L5E-2+25N	.5	1.21	9	ND	20	ND	.05	.1	5	7	29	4.53	.04	.10	549	5	.06	1	.07	39	ND	ND	ND	6	11	ND	ND	25
H-L5W-0+25N	.1	2.00	29	ND	21	ND	.17	.1	21	32	40	3.83	.04	.80	1810	3	.08	24	.13	113	ND	ND	ND	ND	12	ND	ND	115
H-L5W-0+50N	2.0	6.55	11	ND	14	ND	.03	.1	4	15	29	7.95	.05	.06	304	10	.11	ND	.07	46	ND	ND	7	ND	2	ND	ND	43
H-L5W-0+75N	.1	2.96	32	ND	21	ND	.06	.1	9	5	356	8.94	.03	.04	673	58	.16	1	.08	33	ND	ND	ND	ND	4	ND	ND	60
H-L5W-1+00N	.0	4.10	9	ND	10	ND	.03	.1	4	13	35	5.62	.08	.10	368	9	.06	ND	.06	41	ND	ND	3	4	2	ND	ND	47
H-L5W-1+25N	1.1	1.21	12	ND	8	ND	.04	.1	1	6	17	6.00	.09	.06	377	8	.05	1	.04	34	ND	ND	5	ND	1	ND	ND	59
H-L5W-1+50N	3.1	3.83	15	ND	4	ND	.03	.1	2	8	25	7.37	.09	.03	377	10	.08	1	.03	51	ND	ND	7	5	1	4	ND	50
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

CLIENT: PAMICON DEVELOPMENT LTD. JOB#: 871046 PROJECT: REPORT: 871046PA DATE: 87/09/15

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	V PPM	W PPM	ZN PPM
M-LSW-1+75N	.1	2.33	41	ND	73	ND	.66	.1	67	58	183	6.11	.08	.58	3517	4	.11	104	.10	65	ND	ND	3	ND	75	ND	ND	73
M-LSW-2+00N	.1	3.01	56	ND	55	ND	.25	.1	55	72	115	6.62	.04	1.54	3926	5	.14	160	.18	57	ND	ND	4	ND	32	ND	ND	78
M-LSW-2+25N	.1	2.94	44	ND	59	ND	.18	.1	52	72	97	6.42	.04	1.46	3553	4	.14	155	.17	51	ND	ND	4	ND	10	ND	ND	75
M-LSW-2+50N	.1	1.92	36	ND	110	ND	.66	.2	32	31	119	4.56	.04	1.11	2231	3	.13	66	.12	42	ND	ND	3	ND	62	ND	ND	180
M-LSW-2+75N	.1	2.62	49	ND	126	3	.47	.1	29	58	124	5.47	.05	1.49	2804	5	.14	136	.11	52	ND	ND	4	ND	44	ND	ND	171
M-LSW-3+00N	.6	3.68	22	ND	26	ND	.09	.1	10	21	31	5.30	.08	.41	651	5	.08	19	.08	36	ND	ND	6	ND	6	ND	ND	85
M-LSW-3+25N	.1	1.52	24	ND	19	ND	.07	.1	6	18	24	3.42	.05	.33	372	4	.09	1o	.07	23	ND	ND	6	2	11	ND	ND	45
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	3	2	1

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 871050 GA JOB NUMBER: 871050 **PAMICON DEVELOPMENT LTD.**

SAMPLE #	Au ppb
12664	nd
12665	nd
12666	nd
12667	10
12668	nd
12669	nd
12670	10
12671	nd
12672	5
12673	160
12674	nd
12675	nd
12676	40
12677	nd
12678	35
12679	390
12680	5
12681	80
12682	nd
12683	5
12684	nd
13437	nd
13438	nd
13439	10
13440	nd
13441	nd
13442	nd
13443	nd
13444	nd
13445	nd
13446	10
13447	210
13448	650
13449	5
13450	nd

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

ENGLISH MIND

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH:(604)986-5211 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

RECEIVED SEP - 2 1987

COMPANY: PAMICON
ATTENTION:
PROJECT: HECT

REPORT#: PA
JOB#: 871050
INVOICE#: NA

DATE RECEIVED: 87/08/13
DATE COMPLETED: 87/08/31
COPY SENT TO:

ANALYST W. Fleuris

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
12664	.1	1.16	4	ND	21	ND	.39	.1	8	139	20	2.32	.03	.87	738	3	.01	47	.05	23	ND	ND	ND	ND	23	ND	ND	53
12665	.1	.29	ND	ND	1481	ND	.23	.1	2	42	6	.76	.03	.07	707	1	.01	14	.02	12	ND	ND	ND	ND	41	ND	ND	16
12666	.1	3.26	ND	ND	1188	ND	4.72	.1	22	160	35	3.84	.03	4.16	969	3	.02	87	.02	16	ND	ND	ND	ND	189	ND	ND	47
12667	3.2	1.33	59	ND	40	ND	.83	4.5	7	26	88	3.15	.05	1.02	607	1	.01	21	.07	149	ND	ND	ND	ND	38	ND	ND	498
12668	8.3	2.41	41	4	47	8	8.32	>1000	31	44	70	4.36	.05	2.41	2722	8	.01	60	.07	9332	ND	ND	3	ND	381	ND	9	68173
12669	.1	.55	ND	ND	90	ND	1.95	29.1	5	60	27	1.77	.03	1.06	859	ND	.01	53	.02	153	ND	ND	ND	ND	74	ND	ND	1482
12670	1.2	3.25	111	ND	10	ND	.13	3.5	14	86	99	12.80	.05	2.41	617	3	.01	132	.07	98	ND	ND	ND	ND	7	ND	ND	596
12671	11.8	.78	861	ND	11	ND	1.14	4.9	42	89	275	14.05	.07	.60	2814	1	.01	403	.01	259	ND	ND	13	ND	41	ND	ND	873
12672	10.3	.20	139	ND	27	ND	.26	9.5	8	36	664	4.40	.03	.10	2958	ND	.01	27	.01	97	ND	ND	ND	ND	4	ND	ND	1175
12673	6.4	1.70	197	ND	24	3	1.00	185.8	41	71	258	8.48	.05	1.52	1447	2	.01	488	.01	467	ND	ND	ND	ND	43	ND	ND	13944
12674	6.1	2.71	56	ND	34	ND	2.61	139.1	18	103	56	5.69	.07	2.91	2508	3	.01	151	.13	4740	ND	ND	ND	ND	121	ND	ND	9531
12675	.1	.63	5	ND	83	ND	.10	3.1	4	22	13	1.83	.05	.20	839	1	.01	20	.05	96	ND	ND	ND	ND	9	ND	ND	347
12676	.1	.65	43	ND	170	ND	10.60	16.2	3	38	73	1.62	.05	.43	5778	7	.01	9	.01	114	ND	ND	ND	ND	250	ND	ND	1285
12677	.1	1.12	ND	ND	1095	ND	9.32	.1	12	53	115	5.23	.05	4.36	3862	ND	.01	149	.05	47	ND	ND	ND	ND	190	ND	ND	120
12678	45.2	.63	130	ND	79	ND	4.94	111.9	13	71	488	3.44	.07	2.04	2845	1	.01	147	.01	881	ND	ND	ND	ND	181	ND	ND	18429
12679	>100	.21	920	4	21	10	6.50	875.9	37	19	387	5.03	.07	2.87	6105	9	.01	80	.01	21383	ND	ND	80	1	172	ND	ND	55155
12680	4.3	.16	23	ND	64	ND	4.91	16.7	32	8	5304	4.32	.07	.30	1925	5	.01	13	.01	995	ND	ND	ND	ND	59	ND	113	1566
12681	41.7	.78	125	ND	23	ND	.14	63.9	2	11	143	11.35	.07	.33	225	73	.01	9	.05	24417	ND	ND	52	ND	7	ND	ND	4555
12682	50.1	2.79	84	ND	24	ND	5.41	128.6	13	112	241	5.83	.07	3.90	3738	4	.01	152	.10	24378	ND	ND	34	ND	238	ND	ND	11354
12683	.2	.30	18	ND	104	ND	7.91	24.6	2	11	41	3.91	.05	2.91	8545	ND	.01	30	.02	1547	ND	ND	ND	ND	239	ND	ND	2160
12684	.8	.87	30	ND	132	ND	.27	1.7	9	45	26	2.74	.05	.78	6131	1	.01	98	.01	2288	ND	ND	ND	ND	14	ND	ND	288
13437	7.8	1.75	16	ND	265	ND	.69	94.5	15	66	1442	3.33	.05	1.39	720	2	.01	85	.10	820	ND	ND	ND	ND	66	ND	ND	7295
13438	.6	.40	ND	ND	455	ND	.11	1.7	3	9	85	.55	.07	.05	203	1	.01	14	.03	116	ND	ND	ND	ND	16	4	ND	338
13439	.6	.72	11	ND	44	ND	.54	.1	23	16	24	5.75	.07	.25	161	91	.01	7	.05	49	ND	ND	ND	3	135	ND	13	69
13440	3.1	1.16	743	ND	48	ND	.15	.1	8	7	74	10.64	.10	.43	519	16	.01	13	.10	166	ND	ND	22	ND	10	ND	ND	106
13441	29.2	.07	75	ND	27	10	.20	7.5	3	29	12	1.87	.05	.02	1240	3	.01	20	.01	13940	ND	ND	19	1	7	ND	ND	781
13442	12.6	.01	23	ND	5	ND	.30	49.1	1	35	687	.56	.02	.05	154	ND	.01	12	.01	305	ND	ND	ND	ND	7	ND	ND	2459
13443	.3	2.66	12	ND	33	ND	1.18	.1	20	7	110	8.05	.07	2.37	894	3	.01	12	.21	126	ND	ND	ND	ND	46	ND	ND	211
13444	.5	2.32	28	ND	18	ND	1.91	.1	32	22	140	9.07	.07	2.41	846	5	.01	28	.19	43	ND	ND	ND	5	49	ND	ND	85
13445	31.5	2.71	79	ND	16	ND	1.93	239.8	11	45	269	6.25	.07	2.71	1856	3	.01	68	.07	17649	ND	ND	20	ND	68	ND	ND	16888
13446	21.1	2.46	69	ND	27	ND	3.66	493.1	20	81	285	5.44	.07	3.16	2670	7	.01	103	.10	13778	ND	ND	11	ND	148	ND	ND	32559
13447	1.7	.33	130	ND	22	ND	.20	8.8	7	22	48	5.78	.05	.25	214	4	.01	10	.01	497	ND	ND	3	ND	34	ND	ND	871
13448	6.9	.63	51	9	12	ND	.13	.1	145	22	885	40.40	.16	.30	579	7	.14	40	.01	92	ND	ND	20	ND	6	ND	11	183
13449	3.7	1.50	32	3	23	3	7.24	771.5	36	27	789	3.41	.07	1.60	3223	6	.01	25	.05	5484	ND	ND	ND	ND	260	ND	ND	52076
13450	.1	2.15	101	ND	82	ND	4.18	21.5	19	13	109	5.33	.10	1.85	2194	3	.01	21	.21	311	ND	ND	ND	ND	116	ND	ND	2124
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 871071 GA JOB NUMBER: 871071 PAMICON DEVELOPMENT LTD.

SAMPLE #	Au ppb
1201	nd
1202	50
1203	40
1204	5
1205	nd
1206	5
1207	10
1251	5
1252	nd
1253	45
1254	50
1255	nd
1256	1200
1257	1680
1258	520
1259	5110
12685	25
12686	410
12687	900
12688	110
12689	450
12690	100
12691	540
12692	5965
12693	480
12694	510
12695	20
12696	60
12697	nd
12698	nd
12699	25
12700	nd
13434	1490

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 871071 AA JOB NUMBER: 871071 PAMICON DEVELOPMENT LTD.

SAMPLE #	Au oz/st
1259	.124
12692	.191

DETECTION LIMIT .005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH:(604)986-5211 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, NA= NOT ANALYZED

COMPANY: PAMION
ATTENTION:
PROJECT: HECT

REPORT#: 871071PA
JOB#: 871071
INVOICE#: 871071NA

DATE RECEIVED: 87/08/17
DATE COMPLETED: 87/09/15
COPY SENT TO:

ANALYST W. Reeves

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
1201	1.1	1.31	33	ND	35	ND	.26	.1	19	46	82	4.19	.06	.81	531	10	.09	123	.13	33	ND	ND	8	ND	21	ND	ND	44
1202	.7	.24	75	ND	8	ND	.03	.1	2	36	ND	1.16	.06	.12	234	1	.01	8	.01	7	ND	ND	5	ND	3	6	ND	17
1203	13.2	.05	90	4	163	ND	16.28	9.2	ND	4	659	6.52	.01	5.11	34494	ND	.71	40	.01	249	ND	ND	ND	ND	1289	ND	ND	1223
1204	.1	3.36	23	ND	29	ND	1.69	.1	17	9	100	8.56	.05	3.11	1456	2	.25	14	.25	24	ND	ND	3	ND	69	ND	ND	113
1205	.2	1.38	12	ND	49	3	.38	.1	9	25	10	3.09	.09	.78	772	1	.06	9	.11	7	ND	ND	5	ND	30	ND	ND	51
1206	.7	.82	10	ND	66	ND	.30	.2	3	28	ND	1.43	.10	.37	425	1	.01	10	.14	7	ND	ND	6	ND	24	6	ND	22
1207	.7	.64	10	ND	85	3	.43	.1	3	24	ND	1.19	.09	.28	425	1	.01	5	.11	13	ND	ND	5	ND	32	6	3	19
1251	6.0	1.36	46	4	94	5	3.12	388.7	15	25	158	3.32	.08	1.08	2334	15	11.47	22	.10	10032	ND	ND	7	ND	145	ND	ND	31165
1252	.1	1.02	5	ND	21	ND	11.44	157.5	6	13	27	1.50	.01	.87	3948	1	3.71	10	.05	3019	ND	ND	ND	ND	688	ND	ND	3534
1253	3.8	.72	33	4	29	3	5.68	517.7	10	24	77	1.96	.06	.64	2930	6	12.77	11	.05	3110	ND	ND	3	ND	177	ND	ND	34756
1254	3.9	.60	297	ND	36	ND	.85	17.5	12	16	96	5.37	.10	.18	621	2	.76	7	.14	433	ND	ND	8	ND	36	ND	ND	1689
1255	.7	.72	17	ND	24	ND	.26	1.3	4	34	4	1.50	.06	.58	406	1	.08	42	.02	26	ND	ND	5	ND	21	4	ND	162
1256	2.4	2.30	60	ND	46	ND	1.50	41.9	15	50	621	4.72	.07	2.02	797	1	1.42	87	.10	830	ND	ND	4	ND	73	ND	ND	3270
1257	14.6	1.77	3755	4	3	ND	.09	.1	86	13	654	20.80	.08	.33	619	5	1.07	8	.03	378	ND	ND	21	ND	3	ND	ND	1632
1258	1.6	.37	46	ND	952	ND	.17	5.0	5	9	68	1.68	.12	.04	55	2	.17	16	.09	143	ND	ND	6	ND	52	3	ND	449
1259	59.1	.04	17769	7	14	22	.02	.1	259	119	2763	32.95	.10	.04	48	10	1.63	23	.01	515	5	ND	91	ND	2	ND	ND	2356
12685	4.4	.61	179	ND	108	3	9.55	.1	15	19	112	4.03	.03	2.38	1121	ND	.20	87	.09	269	ND	ND	5	ND	1333	ND	ND	177
12686	1.2	.13	304	4	31	ND	4.22	26.2	16	10	303	12.68	.06	1.70	7849	1	1.52	95	.02	381	ND	ND	5	ND	208	ND	ND	2379
12687	2.3	.11	476	4	24	ND	5.25	.1	19	12	242	13.63	.06	2.52	6656	ND	.42	155	.02	194	ND	ND	4	ND	206	ND	ND	218
12688	21.0	.50	211	ND	28	3	.21	3.1	13	35	7536	8.02	.08	.38	1171	3	.49	30	.02	377	ND	ND	12	ND	12	ND	ND	778
12689	.3	.32	32	ND	191	ND	2.98	.1	9	14	109	3.00	.10	.53	1202	2	.08	12	.11	17	ND	ND	ND	ND	221	ND	ND	56
12690	1.3	.05	ND	ND	1290	ND	.62	.2	4	12	403	.66	.09	.03	551	1	.01	7	.01	13	ND	ND	5	ND	641	5	5	18
12691	5.6	1.26	79	3	30	ND	1.08	14.6	49	31	1077	16.25	.09	1.08	860	2	.94	113	.07	1192	ND	ND	8	ND	67	ND	ND	1366
12692	2.3	2.40	111	9	48	ND	5.12	.1	34	51	712	11.45	.07	2.48	1609	1	.33	79	.08	119	ND	ND	ND	ND	324	ND	ND	113
12693	24.9	.17	45	4	84	ND	9.28	216.6	8	26	811	6.59	.01	4.54	2632	ND	5.70	57	.05	11737	ND	ND	13	ND	569	ND	ND	12701
12694	4.0	.90	13	ND	62	ND	2.76	35.0	11	111	371	2.33	.08	.93	588	19	1.75	26	.06	2185	ND	ND	4	ND	150	ND	ND	3852
12695	.1	2.38	4	ND	56	ND	.53	.2	15	8	113	7.50	.08	1.86	329	4	.22	10	.31	67	ND	ND	7	ND	34	ND	ND	133
12696	.1	1.96	ND	ND	45	ND	.59	.6	17	21	111	6.99	.09	1.76	221	5	.22	6	.24	49	ND	ND	7	ND	39	ND	ND	168
12697	.7	.24	ND	ND	1156	ND	2.72	.3	3	76	2044	.63	.10	.64	1642	5	.01	5	.06	12	ND	ND	ND	ND	131	ND	ND	30
12698	.8	.58	ND	ND	416	ND	.07	.1	5	17	53	2.29	.08	.32	595	1	.04	6	.01	11	ND	ND	6	ND	14	7	ND	40
12699	1.3	.20	ND	ND	597	ND	.31	.3	3	54	2952	.66	.08	.05	308	2	.01	8	.04	14	ND	ND	4	ND	443	6	5	23
12700	.1	.04	ND	3	606	ND	12.06	16.7	ND	3	714	5.03	.01	4.63	23619	ND	.86	20	.01	112	ND	ND	ND	ND	409	ND	ND	1402
13434	32.5	.18	2688	ND	120	10	.15	.1	22	66	376	9.65	.03	.07	450	5	.42	3	.01	373	ND	ND	14	ND	11	ND	ND	507
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 871073 GB JOB NUMBER: 871073 PAMICON DEVELOPMENT LTD.

SAMPLE #	Au ppb
L0+50E 0+00N	20
L0+50E 0+25N	5
L0+50E 0+50N	nd
L0+50E 0+75N	nd
L0+50E 1+00N	5
L0+50E 1+25N	25
L0+50E 1+50N	20
L0+50E 2+00N	10
L0+50E 0+25S	1100
L0+50E 0+50S	20
L0+50E 0+75S	10
L0+50E 1+00S	20
L0+50E 1+25S	20
L0+50E 1+50S	20
L0+50E 1+75S	10
L0+50E 2+00S	10
L0+50E 2+25S	5
L0+50E 2+50S	nd
L0+50E 2+75S	10
L0+50E 3+00S	nd
L0+50E 3+25S	5
L0+50E 3+50S	nd
L0+50E 3+75S	15
L0+50E 4+00S	20
L0+50E 4+25S	20
L0+50E 4+50S	20
L0+50E 4+75S	30
L0+50W 0+00N	15
L0+50W 0+25N	10
L0+50W 0+50N	105
L0+50W 0+75N	35
L0+50W 1+00N	5
L0+50W 1+25N	10
L0+50W 1+50N	15
L0+50W 1+75N	15
L0+50W 2+00N	20
L0+50W 2+25N	5
L0+50W 2+50N	25
L0+50W 0+25S	15
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
L0+50W 0+50S	20
L0+50W 0+75S	10
L0+50W 1+00S	10
L0+50W 1+25S	20
L0+50W 1+50S	40
L0+50W 1+75S	15
L0+50W 2+00S	10
L0+50W 2+25S	15
L0+50W 2+50S	15
L0+50W 2+75S	25
L0+50W 3+00S	10
L0+50W 3+25S	15
L0+50W 3+50S	30
L0+50W 3+75S	15
L0+50W 4+00S	30
L0+50W 4+25S	25
L0+50W 4+50S	30
L0+50W 4+75S	5
L0+50W 5+00S	30
L1+00W 1+25S	10
L1+00W 1+50S	20
L1+50W 0+00N	20
L1+50W 0+25N	30
L1+50W 0+50N	30
L1+50W 0+75N	40
L1+50W 1+00N	80
L1+50W 1+25N	25
L1+50W 1+50N	20
L1+50W 1+75N	10
L1+50W 2+00N	20
L3+00W 0+25S	35
L3+00W 0+50S	20
L3+00W 0+75S	20
L3+00W 1+00S	5
L3+00W 1+25S	350
L3+00W 1+50S	5
L3+00W 1+75S	10
L3+00W 2+00S	25
L3+00W 2+25S	5
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

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1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
L3+00W 2+50S	15
L3+00W 2+75S	20
L3+00W 3+00S	45
L3+00W 3+25S	20
L3+00W 3+50S	20
L3+00W 3+75S	25
L3+00W 4+00S	15
L3+00W 4+25S	5
L3+00W 4+50S	10
L3+00W 4+75S	30
L3+00W 5+00S	nd
L4+00E 0+00S	5
L4+00E 0+25S	10
L4+00E 0+50S	nd
L4+00E 0+75S	20
L4+00E 1+00S	15
L4+00E 1+25S	15
L4+00E 1+50S	10
L4+00E 1+75S	nd
L4+00E 2+00S	10
L4+00E 2+25S	30
L4+00E 2+50S	5
L4+00E 2+75S	15
L4+00E 3+00S	10
L4+00E 3+25S	20
L4+00E 3+50S	10
L4+00E 3+75S	10
L4+00E 4+00S	25
L4+00E 4+25S	5
L4+00E 4+50S	20
L4+00E 4+75S	30
L4+00E 5+00S	75
L4+00W 0+25S	20
L4+00W 0+50S	10
L4+00W 0+75S	10
L4+00W 1+00S	20
L4+00W 1+25S	10
L4+00W 1+50S	15
L4+00W 1+75S	10
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
L4+00W 2+00S	40
L4+00W 2+25S	nd
L4+00W 2+50S	5
L4+00W 2+75S	10
L4+00W 3+00S	20
L4+00W 3+25S	30
L4+00W 3+50S	25
L4+00W 3+75S	25
L4+00W 4+00S	15
L4+00W 4+25S	10
L4+00W 4+75S	30
L4+00W 5+00S	10
L5+00E 0+25S	15
L5+00E 0+50S	30
L5+00E 0+75S	25
L5+00E 1+00S	30
L5+00E 1+25S	5
L5+00E 1+50S	5
L5+00E 1+75S	20
L5+00E 2+00S	20
L5+00E 2+25S	25
L5+00E 2+50S	30
L5+00E 2+75S	30
L5+00E 3+00S	5
L5+00E 3+25S	25
L5+00E 3+50S	20
L5+00E 3+75S	35
L5+00E 4+00S	15
L5+00E 4+25S	25
L5+00E 4+50S	40
L5+00E 4+75S	nd
L5+00E 5+00S	40
L5+00W 0+25S	nd
L5+00W 0+50S	15
L5+00W 1+00S	5
L5+00W 1+25S	20
L5+00W 1+50S	nd
L5+00W 2+00S	20
L5+00W 2+25S	5
DETECTION LIMIT	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Au ppb
L5+00W 2+50S	5
L5+00W 2+75S	nd
L5+00W 3+00S	10
L5+00W 3+25S	10
L5+00W 3+50S	20
L5+00W 3+75S	20
L5+00W 4+00S	10
L5+00W 4+25S	20
L5+00W 4+50S	15
L5+00W 4+75S	10

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

...N OF ...: 1... PEM...JN AVE. N.VANCOUVER B.C. ... 2S3 ...:(604)986-52... TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: PAMICON DEVELOPMENT LTD.
ATTENTION: STEVE TODORUK
PROJECT: HECT

REPORT#: 871073PA
JOB#: 871073
INVOICE#: 871073NA

DATE RECEIVED: 87/08/17
DATE COMPLETED: 87/09/18
COPY SENT TO:

ANALYST

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
L0+50E 0+00N	.1	4.54	21	ND	18	3	.06	.1	5	6	16	5.14	.14	.17	1232	9	.07	8	.08	35	ND	ND	6	ND	3	4	ND	139
L0+50E 0+25N	1.0	2.83	22	ND	9	3	.04	.1	3	7	23	8.11	.10	.06	589	8	.09	ND	.03	52	ND	ND	9	3	2	ND	ND	69
L0+50E 0+50N	.3	4.81	24	ND	13	ND	.04	.1	3	12	38	5.82	.04	.06	189	7	.07	2	.08	42	ND	ND	5	ND	4	ND	ND	37
L0+50E 0+75N	ND	2.66	22	ND	17	ND	.12	.2	5	9	59	5.06	.05	.22	317	5	.07	3	.07	29	ND	ND	ND	ND	11	ND	ND	45
L0+50E 1+00N	.3	3.05	21	ND	90	ND	.23	.4	12	10	35	4.89	.06	.21	3902	5	.11	3	.18	32	ND	ND	ND	ND	12	ND	ND	128
L0+50E 1+25N	.8	3.67	20	ND	24	ND	.04	.1	3	9	38	7.73	.05	.05	232	9	.10	ND	.05	42	ND	ND	9	4	2	ND	ND	45
L0+50E 1+50N	ND	2.15	23	ND	15	ND	.05	.1	4	10	24	6.17	.05	.14	247	8	.08	2	.05	37	ND	ND	4	2	5	ND	ND	43
L0+50E 2+00N	.8	3.48	19	ND	7	ND	.04	.1	2	10	16	3.55	.06	.03	85	6	.02	ND	.08	37	ND	ND	4	2	3	3	ND	27
L0+50E 0+25S	17.8	1.91	10069	ND	10	21	.02	.1	7	5	645	25.93	.08	.05	574	5	.45	ND	.06	378	ND	ND	33	ND	2	ND	ND	100
L0+50E 0+50S	.9	3.49	164	ND	12	3	.03	.1	4	11	30	7.85	.07	.08	311	10	.11	1	.06	55	ND	ND	9	5	4	ND	ND	40
L0+50E 0+75S	1.4	3.84	41	ND	8	ND	.03	.1	4	13	25	5.72	.10	.11	321	8	.06	2	.08	34	ND	ND	6	1	2	3	ND	47
L0+50E 1+00S	1.9	3.47	28	ND	5	ND	.02	.1	3	9	18	7.51	.15	.07	226	10	.07	ND	.05	43	ND	ND	9	2	1	5	ND	45
L0+50E 1+25S	.8	3.17	34	ND	11	ND	.04	.1	4	12	23	8.54	.10	.09	291	8	.11	2	.05	86	ND	ND	8	4	3	ND	ND	49
L0+50E 1+50S	1.0	2.40	58	ND	29	ND	.15	.1	9	14	40	4.59	.07	.47	703	4	.08	9	.09	60	ND	ND	ND	ND	18	ND	ND	103
L0+50E 1+75S	1.0	5.76	25	ND	15	ND	.04	.1	5	8	26	5.81	.13	.10	1081	11	.07	2	.08	35	ND	ND	7	ND	2	ND	ND	93
L0+50E 2+00S	ND	3.84	37	ND	19	ND	.09	.1	38	21	59	6.50	.11	.42	5110	8	.10	12	.09	53	ND	ND	ND	ND	9	ND	ND	107
L0+50E 2+25S	.7	5.58	22	ND	9	3	.04	.1	5	10	38	4.63	.07	.12	922	7	.05	4	.09	31	ND	ND	5	ND	2	ND	ND	68
L0+50E 2+50S	.1	3.61	26	ND	21	6	.08	.1	10	15	45	4.39	.11	.32	987	7	.06	13	.13	43	ND	ND	ND	ND	7	4	ND	101
L0+50E 2+75S	.1	6.76	16	ND	11	ND	.04	.3	5	10	66	5.82	.08	.05	666	7	.07	1	.09	37	ND	ND	6	ND	3	3	ND	40
L0+50E 3+00S	.9	4.21	12	ND	13	ND	.05	.1	4	15	22	3.88	.05	.08	143	6	.04	2	.05	34	ND	ND	4	2	4	ND	ND	35
L0+50E 3+25S	ND	2.76	18	ND	11	ND	.05	.1	4	11	20	4.60	.06	.06	236	9	.05	7	.07	38	ND	ND	6	7	4	ND	ND	39
L0+50E 3+50S	.5	5.33	22	ND	25	ND	.05	.1	4	5	25	5.73	.18	.09	930	11	.09	2	.05	35	ND	ND	7	ND	2	7	ND	178
L0+50E 3+75S	.6	4.91	23	ND	79	3	.61	.1	8	8	19	5.98	.16	.13	1162	12	.06	ND	.09	35	ND	ND	3	ND	64	ND	ND	75
L0+50E 4+00S	ND	2.36	66	ND	110	4	.43	.1	19	32	83	6.20	.09	.89	1632	4	.14	80	.12	63	ND	ND	ND	ND	46	ND	ND	221
L0+50E 4+25S	ND	3.54	43	ND	43	3	.12	.1	7	17	50	5.26	.15	.36	580	10	.06	19	.11	42	ND	ND	3	ND	12	ND	ND	134
L0+50E 4+50S	ND	4.51	49	ND	50	ND	.07	.1	15	20	74	6.49	.20	.45	1793	8	.08	40	.13	44	ND	ND	3	ND	8	5	ND	227
L0+50E 4+75S	ND	3.18	39	ND	42	ND	.22	.1	21	19	81	5.99	.12	.76	2351	5	.09	37	.18	48	ND	ND	3	ND	21	ND	ND	141
L0+50W 0+00N	4.7	6.58	16	ND	13	ND	.02	.1	1	6	21	5.22	.09	.05	233	8	.05	ND	.05	32	ND	ND	6	ND	1	3	ND	58
L0+50W 0+25N	1.1	1.41	14	ND	28	5	.11	.1	9	12	25	3.48	.03	.33	725	3	.06	8	.08	44	ND	ND	ND	ND	14	ND	ND	55
L0+50W 0+50N	ND	4.30	234	ND	337	ND	.03	.1	30	28	225	13.79	.03	1.22	2982	4	.31	6	.09	228	ND	ND	ND	ND	5	ND	ND	200
L0+50W 0+75N	2.4	6.12	35	ND	22	ND	.04	.1	9	12	58	5.18	.07	.11	818	8	.07	ND	.08	155	ND	ND	6	ND	3	ND	ND	103
L0+50W 1+00N	1.1	2.33	20	ND	8	3	.03	.1	4	10	19	7.37	.10	.07	258	9	.07	1	.03	47	ND	ND	7	7	2	ND	ND	47
L0+50W 1+25N	ND	2.43	21	ND	7	ND	.04	.1	3	12	25	9.80	.08	.05	291	10	.14	2	.05	50	ND	ND	8	7	2	ND	ND	47
L0+50W 1+50N	1.1	3.05	35	ND	35	ND	.21	.9	12	23	33	5.68	.06	.53	3105	7	.15	17	.14	678	ND	ND	3	ND	16	ND	ND	251
L0+50W 1+75N	.5	4.60	29	ND	15	ND	.04	.1	22	18	74	6.70	.12	.38	3275	11	.09	15	.13	149	ND	ND	5	ND	3	ND	ND	95
L0+50W 2+00N	ND	3.77	25	ND	13	ND	.04	.1	9	12	44	5.66	.10	.20	2180	9	.07	5	.12	130	ND	ND	4	ND	4	3	ND	75
L0+50W 2+25N	1.0	3.26	17	ND	7	ND	.03	.5	4	9	27	5.94	.08	.08	256	8	.06	1	.06	46	ND	ND	6	1	2	ND	ND	35
L0+50W 2+50N	2.7	2.87	32	ND	19	4	.06	.1	5	21	32	6.83	.05	.30	304	8	.11	14	.05	67	ND	ND	5	ND	6	ND	ND	93
L0+50W 0+25S	.3	4.18	15	ND	20	ND	.04	.1	3	7	24	5.33	.11	.13	364	9	.06	3	.07	34	ND	ND	6	ND	2	3	ND	100
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
L0+50W 0+50S	ND	3.18	39	ND	40	ND	.20	.1	18	17	62	4.49	.09	.53	2542	7	.11	21	.12	89	ND	ND	ND	ND	17	ND	ND	238
L0+50W 0+75S	.9	2.38	17	ND	9	ND	.03	.1	3	11	17	7.48	.07	.07	250	8	.10	4	.05	33	ND	ND	8	3	3	ND	ND	43
L0+50W 1+00S	.3	2.72	13	ND	10	ND	.04	.1	6	15	21	5.01	.06	.17	494	7	.06	5	.07	35	ND	ND	5	4	4	6	ND	50
L0+50W 1+25S	.1	2.69	27	ND	40	ND	.06	.1	9	22	57	7.98	.05	.64	495	7	.16	25	.05	50	ND	ND	4	ND	11	ND	ND	117
L0+50W 1+50S	1.2	3.77	22	ND	44	ND	.12	.1	6	24	78	4.37	.04	.67	389	4	.11	21	.05	45	ND	ND	3	ND	15	ND	ND	145
L0+50W 1+75S	.7	3.80	24	ND	5	ND	.02	.1	4	9	27	7.49	.06	.04	151	9	.09	2	.04	44	ND	ND	11	7	2	3	ND	36
L0+50W 2+00S	.6	3.23	13	ND	8	ND	.04	.1	5	15	24	6.51	.09	.13	329	9	.07	6	.06	36	ND	ND	5	5	2	3	ND	53
L0+50W 2+25S	.1	2.89	18	ND	10	ND	.03	.1	5	17	25	7.13	.08	.18	264	10	.10	7	.07	33	ND	ND	6	4	3	ND	ND	60
L0+50W 2+50S	ND	2.33	32	ND	22	ND	.08	.1	7	16	33	7.02	.05	.38	586	8	.13	13	.08	38	ND	ND	4	ND	11	ND	ND	83
L0+50W 2+75S	ND	2.89	54	ND	39	ND	.12	.8	18	17	128	6.06	.09	.83	2332	6	.19	29	.16	211	ND	ND	ND	ND	12	3	ND	393
L0+50W 3+00S	.2	5.29	17	ND	7	ND	.04	.1	2	13	20	5.64	.07	.06	187	10	.06	2	.08	36	ND	ND	9	ND	2	6	ND	42
L0+50W 3+25S	.4	2.43	17	ND	10	ND	.04	.1	5	14	20	5.70	.07	.10	500	10	.07	4	.05	43	ND	ND	8	7	3	4	ND	44
L0+50W 3+50S	.2	5.23	19	ND	8	ND	.03	.1	3	9	31	5.50	.10	.08	196	9	.06	2	.08	37	ND	ND	9	ND	1	9	ND	56
L0+50W 3+75S	.1	3.79	29	ND	31	ND	.08	.1	12	14	54	5.29	.13	.43	1253	8	.10	21	.09	57	ND	ND	4	ND	7	5	ND	173
L0+50W 4+00S	ND	5.69	20	ND	16	ND	.07	.1	6	11	27	5.84	.10	.10	645	9	.05	5	.07	34	ND	ND	7	ND	5	3	ND	58
L0+50W 4+25S	ND	3.40	49	ND	87	ND	.20	.1	42	33	204	6.95	.09	1.34	5962	4	.16	72	.17	63	ND	ND	ND	ND	21	ND	ND	215
L0+50W 4+50S	ND	3.48	70	ND	58	ND	.07	.1	38	15	151	7.35	.10	.58	4245	7	.13	71	.14	87	ND	ND	6	ND	5	ND	ND	159
L0+50W 4+75S	ND	4.72	57	ND	17	ND	.03	.1	10	17	55	5.32	.12	.30	847	11	.08	22	.12	38	ND	ND	5	ND	3	ND	ND	106
L0+50W 5+00S	.2	3.68	16	ND	10	ND	.04	.1	4	15	18	4.17	.04	.09	170	7	.05	5	.06	29	ND	ND	5	2	3	3	ND	39
L1+00W 1+25S	.6	4.77	18	ND	10	ND	.03	.1	3	10	21	5.06	.08	.07	368	8	.05	2	.08	32	ND	ND	6	ND	2	3	ND	46
L1+00W 1+50S	ND	3.11	32	ND	24	ND	.16	.1	14	12	28	5.17	.06	.30	2880	13	.10	12	.12	47	ND	ND	ND	ND	13	ND	ND	131
L1+50W 0+00N	.5	3.61	21	ND	11	ND	.05	.1	10	17	39	5.88	.06	.28	822	9	.08	8	.07	47	ND	ND	3	ND	4	ND	ND	59
L1+50W 0+25N	4.2	3.43	19	ND	7	ND	.02	.1	4	9	26	7.28	.06	.04	106	9	.10	1	.03	48	ND	ND	8	8	1	4	ND	30
L1+50W 0+50N	.9	3.59	65	ND	16	ND	.03	.1	14	16	64	6.44	.07	.36	988	7	.11	11	.08	109	ND	ND	5	ND	4	ND	ND	88
L1+50W 0+75N	1.1	3.16	51	ND	49	ND	.12	.1	15	21	73	4.83	.07	.57	1877	7	.11	23	.14	75	ND	ND	ND	ND	10	ND	ND	166
L1+50W 1+00N	5.0	2.94	215	ND	110	5	.29	.1	44	18	253	9.24	.06	.83	4740	8	.26	20	.21	196	ND	ND	4	ND	19	ND	ND	336
L1+50W 1+25N	ND	2.46	38	ND	266	ND	1.46	7.0	15	14	60	3.89	.07	.76	2846	4	.20	21	.14	80	ND	ND	ND	ND	99	ND	ND	514
L1+50W 1+50N	ND	2.29	54	ND	153	ND	.81	3.9	16	16	47	4.09	.08	.50	3334	7	.18	15	.15	104	ND	ND	ND	ND	56	ND	ND	455
L1+50W 1+75N	3.0	4.15	23	ND	6	4	.03	.1	5	14	37	10.55	.08	.05	284	12	.16	2	.03	57	ND	ND	14	9	1	ND	ND	60
L1+50W 2+00N	1.1	2.00	47	ND	24	ND	.04	.1	7	29	25	4.93	.04	.32	541	5	.09	28	.05	82	ND	ND	3	ND	5	ND	ND	68
L3+00W 1+00S	.1	3.71	24	ND	10	ND	.03	.1	6	16	21	5.00	.07	.13	645	9	.06	5	.07	42	ND	ND	4	ND	3	4	ND	56
L3+00W 2+00S	.1	1.44	22	ND	26	ND	.04	.1	5	7	15	6.58	.06	.04	227	9	.09	5	.04	44	ND	ND	8	12	4	3	ND	36
L3+00W 3+00S	ND	2.08	38	ND	89	ND	.27	.3	22	18	119	4.53	.06	1.03	1774	2	.14	40	.14	49	ND	ND	ND	ND	27	ND	ND	227
L3+00W 4+00S	ND	3.33	30	ND	43	ND	.21	.1	21	26	89	5.29	.06	.91	671	6	.11	51	.14	36	ND	ND	ND	ND	22	ND	ND	122
L3+00W 5+00S	1.1	5.84	20	ND	43	ND	.04	.1	3	4	13	5.34	.14	.07	973	10	.04	4	.05	27	ND	ND	7	ND	1	8	ND	96
L3+00W 0+25S	ND	3.25	46	ND	154	ND	.42	.6	37	47	130	6.03	.06	1.86	4175	4	.14	91	.16	82	ND	ND	ND	ND	34	ND	ND	186
L3+00W 0+50S	.5	4.29	179	ND	41	ND	.10	1.3	30	11	154	8.44	.06	.45	9484	8	.18	9	.21	150	ND	ND	4	ND	5	ND	ND	163
L3+00W 0+75S	ND	3.59	285	ND	121	ND	.80	7.2	9	23	31	5.02	.10	.39	4048	9	.21	42	.12	33	ND	ND	3	ND	66	ND	ND	519
L3+00W 1+25S	ND	2.67	137	ND	106	ND	.14	.1	53	42	185	10.25	.09	1.04	7121	20	.25	178	.13	159	ND	ND	6	ND	14	ND	ND	303
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
L3+00W 1+50S	.6	4.08	20	ND	52	ND	.27	.1	3	13	20	6.40	.07	.05	165	12	.08	6	.06	33	ND	ND	5	6	33	ND	ND	42
L3+00W 1+75S	.9	5.09	21	ND	16	ND	.05	.1	4	12	38	5.71	.12	.11	445	10	.05	5	.08	37	ND	ND	7	4	3	ND	ND	76
L3+00W 2+25S	1.0	4.92	16	ND	21	ND	.05	.1	4	13	38	6.37	.14	.23	253	9	.08	6	.12	41	ND	ND	6	7	4	5	ND	86
L3+00W 2+50S	1.6	4.54	20	ND	10	ND	.04	.1	4	10	22	6.38	.10	.07	681	9	.06	2	.05	38	ND	ND	6	6	2	ND	ND	61
L3+00W 2+75S	.1	3.04	40	ND	38	ND	.17	.1	10	31	54	4.93	.05	.84	509	6	.12	46	.10	51	ND	ND	ND	ND	14	ND	ND	155
L3+00W 3+25S	.3	2.63	49	ND	71	ND	.05	.1	23	23	109	7.02	.10	.49	2154	8	.13	85	.10	51	ND	ND	3	ND	7	ND	ND	142
L3+00W 3+50S	.1	3.24	54	ND	35	ND	.04	.1	5	32	40	4.77	.07	.60	245	9	.09	34	.10	51	ND	ND	ND	ND	5	ND	ND	71
L3+00W 3+75S	1.6	2.14	28	ND	23	ND	.06	.1	9	21	30	5.34	.08	.28	572	5	.09	21	.07	30	ND	ND	ND	3	8	ND	ND	56
L3+00W 4+25S	.1	2.69	57	ND	55	ND	.13	.1	22	18	98	5.88	.10	.62	2650	5	.13	42	.13	166	ND	ND	3	ND	14	ND	ND	198
L3+00W 4+50S	.3	3.51	19	ND	37	ND	.10	.1	2	9	15	5.08	.07	.04	403	6	.06	8	.08	31	ND	ND	4	6	7	ND	ND	37
L3+00W 4+75S	.2	4.75	26	ND	62	ND	.06	.1	7	12	29	5.59	.11	.23	1570	8	.08	15	.10	31	ND	ND	4	2	4	ND	ND	113
L4+00E 1+00S	1.2	3.05	18	ND	20	4	.12	.1	6	14	39	3.28	.09	.29	349	5	.03	8	.12	58	ND	ND	ND	6	10	ND	ND	74
L4+00E 4+00S	.8	3.45	27	ND	42	ND	.13	.1	5	18	43	4.77	.05	.37	368	5	.10	15	.07	82	ND	ND	ND	ND	17	ND	ND	86
L4+00E 0+00S	1.6	1.88	23	ND	17	4	.05	.1	3	10	24	11.60	.08	.05	380	10	.18	5	.06	41	ND	ND	10	11	5	ND	ND	47
L4+00E 0+25S	.9	3.50	26	ND	104	ND	.52	3.5	13	16	53	4.37	.13	.59	2686	8	.15	18	.17	44	ND	ND	ND	ND	43	ND	ND	442
L4+00E 0+50S	.5	2.60	24	ND	8	4	.04	.1	2	10	24	8.88	.09	.08	481	8	.13	1	.05	54	ND	ND	8	5	2	ND	ND	63
L4+00E 0+75S	.9	2.14	17	ND	9	3	.02	.1	4	10	22	6.42	.09	.04	110	9	.07	3	.04	48	ND	ND	6	16	3	ND	ND	24
L4+00E 1+25S	1.0	4.07	16	ND	15	ND	.04	.1	2	16	22	3.93	.07	.12	189	6	.04	6	.05	25	ND	ND	4	4	5	3	ND	38
L4+00E 1+50S	.8	3.09	19	ND	8	ND	.04	.1	3	10	19	6.80	.10	.09	502	8	.08	5	.04	43	ND	ND	6	7	2	ND	ND	65
L4+00E 1+75S	2.0	4.33	20	ND	8	ND	.03	.1	3	12	19	11.02	.10	.05	309	9	.16	2	.04	65	ND	ND	12	7	1	ND	ND	57
L4+00E 2+00S	.8	3.88	18	ND	14	ND	.05	.1	7	11	32	5.43	.10	.09	601	8	.06	9	.09	36	ND	ND	5	8	2	ND	ND	58
L4+00E 2+25S	.1	2.56	24	ND	245	ND	.99	.1	30	14	911	13.28	.14	1.30	11869	3	.25	40	.21	62	ND	ND	ND	ND	66	ND	ND	175
L4+00E 2+50S	2.0	5.21	22	ND	10	3	.05	.1	2	9	22	6.40	.09	.05	452	10	.07	3	.06	41	ND	ND	7	6	2	4	ND	54
L4+00E 2+75S	.3	3.21	29	ND	16	ND	.04	.1	4	17	38	10.91	.07	.17	251	9	.18	2	.07	69	ND	ND	5	7	5	ND	ND	50
L4+00E 3+00S	1.7	3.56	25	ND	11	ND	.04	.1	5	18	29	8.29	.08	.15	271	11	.11	6	.05	43	ND	ND	7	10	2	ND	ND	58
L4+00E 3+25S	2.2	7.18	16	ND	13	ND	.03	.1	2	6	13	5.09	.12	.04	547	9	.04	ND	.06	32	ND	ND	8	1	1	3	ND	75
L4+00E 3+50S	.8	3.44	20	ND	22	ND	.06	.1	8	15	43	5.19	.12	.31	1317	6	.07	12	.20	42	ND	ND	4	5	6	ND	ND	104
L4+00E 3+75S	1.3	3.78	18	ND	10	ND	.04	.1	3	13	23	6.10	.08	.05	198	8	.07	3	.07	38	ND	ND	8	9	3	ND	ND	37
L4+00E 4+25S	1.9	3.78	17	ND	14	3	.04	.2	4	14	32	5.14	.09	.11	650	9	.06	6	.10	49	ND	ND	6	6	3	3	ND	50
L4+00E 4+50S	.4	2.50	29	ND	30	ND	.02	.1	3	12	20	3.73	.07	.15	159	4	.04	8	.04	31	ND	ND	ND	2	3	ND	3	36
L4+00E 4+75S	1.3	5.09	18	ND	16	ND	.05	.1	2	7	26	5.16	.09	.06	352	8	.05	2	.12	38	ND	ND	6	6	2	3	ND	50
L4+00E 5+00S	.7	2.64	23	ND	270	ND	.04	.1	7	12	24	7.46	.06	.17	605	8	.13	8	.13	40	ND	ND	3	3	6	ND	ND	64
L4+00W 1+00S	.8	4.38	30	ND	27	ND	.08	.1	4	33	46	5.36	.07	.55	248	9	.10	25	.08	38	ND	ND	3	ND	7	ND	ND	110
L4+00W 2+00S	.1	2.87	42	ND	47	3	.19	.1	21	27	75	4.85	.09	1.10	2011	4	.13	42	.13	43	ND	ND	ND	ND	26	ND	ND	168
L4+00W 3+00S	.4	2.44	30	ND	75	5	.33	.1	17	28	84	4.42	.09	1.06	1288	4	.10	55	.13	54	ND	ND	ND	2	30	ND	ND	177
L4+00W 4+00S	.3	4.00	27	ND	49	ND	.25	.1	8	28	65	4.80	.07	.76	383	15	.11	33	.09	32	ND	ND	ND	ND	26	ND	ND	143
L4+00W 5+00S	.9	5.86	18	ND	29	5	.07	.1	9	12	19	5.37	.21	.48	3620	11	.07	17	.05	30	ND	ND	3	ND	3	5	ND	169
L4+00W 0+25S	1.4	4.53	20	ND	9	ND	.03	.1	1	11	27	5.52	.08	.04	261	8	.06	3	.05	36	ND	ND	7	5	2	ND	ND	39
L4+00W 0+50S	1.3	4.60	24	ND	8	ND	.03	.1	1	9	29	5.14	.06	.06	120	7	.06	ND	.09	47	ND	ND	7	6	3	ND	ND	25
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
L4+00W 0+75S	.2	1.68	30	3	21	ND	.18	.1	10	37	29	4.80	.04	.69	434	3	.09	22	.07	29	ND	ND	ND	7	16	ND	ND	42
L4+00W 1+25S	ND	3.75	56	3	49	ND	.20	.1	10	36	58	5.33	.08	.87	1238	4	.14	41	.25	47	ND	ND	3	ND	15	ND	ND	234
L4+00W 1+50S	.6	3.63	21	11	15	3	.16	.1	7	14	27	5.96	.11	.34	346	8	.07	7	.11	35	ND	ND	5	9	14	ND	ND	63
L4+00W 1+75S	1.2	2.96	19	21	9	4	.03	.1	5	12	22	9.33	.09	.06	347	10	.13	2	.05	50	ND	ND	12	17	4	ND	ND	42
L4+00W 2+25S	.1	2.42	24	20	22	ND	.03	.1	4	15	22	13.02	.09	.05	171	9	.20	6	.05	46	ND	ND	11	12	4	ND	[illegible]	39
L4+00W 2+50S	.8	4.46	24	10	33	ND	.09	.1	7	15	47	4.46	.11	.30	476	7	.06	23	.07	34	ND	ND	7	3	10	4	[illegible]	118
L4+00W 2+75S	ND	2.50	27	5	55	ND	.11	.1	6	17	38	3.60	.09	.48	315	5	.05	23	.07	35	ND	ND	ND	2	10	ND	ND	103
L4+00W 3+25S	2.8	5.58	18	8	29	ND	.06	.1	3	17	59	4.19	.07	.12	310	7	.05	11	.14	32	ND	ND	6	ND	7	ND	ND	52
L4+00W 3+50S	ND	4.19	32	4	67	3	.46	.1	21	26	92	5.55	.07	1.17	1542	8	.14	46	.11	39	ND	ND	ND	ND	52	ND	ND	172
L4+00W 3+75S	ND	3.84	27	4	115	ND	.54	.1	19	27	62	5.15	.07	1.02	1551	15	.15	51	.11	27	ND	ND	ND	ND	62	ND	ND	239
L4+00W 4+25S	ND	3.41	25	3	94	3	.23	.2	13	23	90	4.11	.10	.85	815	11	.08	36	.12	32	ND	ND	ND	ND	22	4	ND	172
L4+00W 4+75S	ND	3.13	37	ND	76	3	.29	.1	29	26	155	4.71	.07	1.17	2763	3	.15	55	.13	53	ND	ND	ND	ND	26	ND	ND	228
L5+00E 5+00S	1.0	3.95	19	12	10	ND	.04	.1	5	13	23	6.46	.11	.12	382	11	.08	6	.08	37	ND	ND	6	7	3	3	ND	61
L5+00E 0+25S	1.9	2.70	19	4	46	ND	.11	1.5	9	12	79	4.18	.11	.42	765	8	.06	10	.10	40	ND	ND	3	3	11	6	ND	218
L5+00E 0+50S	.3	3.64	22	4	44	ND	.15	.1	17	12	90	4.43	.10	.48	2687	5	.07	13	.12	26	ND	ND	ND	ND	16	ND	ND	102
L5+00E 0+75S	.2	2.34	16	3	35	ND	.18	.1	10	13	44	3.77	.08	.45	647	3	.07	12	.11	33	ND	ND	ND	3	16	ND	ND	77
L5+00E 1+00S	1.0	2.85	18	11	10	ND	.03	.1	4	9	20	4.48	.08	.05	165	5	.05	6	.07	37	ND	ND	7	8	3	4	ND	30
L5+00E 1+25S	1.3	.88	14	4	19	3	.09	.1	6	5	15	1.04	.06	.11	146	3	.01	4	.07	37	ND	ND	ND	11	10	ND	4	22
L5+00E 1+50S	.8	4.53	18	15	7	ND	.05	.1	3	11	19	7.20	.12	.07	571	8	.07	5	.06	36	ND	ND	9	5	2	ND	ND	58
L5+00E 1+75S	.5	2.85	22	15	16	ND	.04	.1	4	11	23	8.48	.08	.07	390	7	.12	1	.05	41	ND	ND	9	8	5	ND	ND	52
L5+00E 2+00S	.7	3.39	23	15	11	ND	.04	.1	5	16	37	8.20	.09	.09	180	10	.11	9	.04	52	ND	ND	9	11	3	ND	ND	41
L5+00E 2+25S	.8	4.33	14	7	23	3	.06	.1	8	16	27	6.01	.18	.28	465	8	.09	11	.12	40	ND	ND	5	7	5	ND	ND	126
L5+00E 2+50S	.4	5.55	22	14	10	ND	.05	.1	4	9	30	6.13	.10	.10	680	10	.07	3	.09	35	ND	ND	9	5	2	ND	ND	77
L5+00E 2+75S	.2	5.92	21	11	28	ND	.07	.1	6	17	37	6.08	.11	.25	427	8	.10	11	.11	40	ND	ND	6	4	5	ND	ND	169
L5+00E 3+00S	.5	3.61	16	14	11	ND	.04	.1	4	11	23	7.61	.08	.06	420	8	.10	1	.07	37	ND	ND	6	9	3	ND	ND	43
L5+00E 3+25S	ND	4.37	26	10	21	ND	.03	.1	4	16	36	7.51	.07	.14	518	9	.11	8	.10	34	ND	ND	8	4	6	ND	ND	40
L5+00E 3+50S	1.2	5.64	18	13	9	ND	.03	.1	4	10	32	6.44	.12	.10	362	9	.07	5	.08	40	ND	ND	9	2	2	3	ND	65
L5+00E 3+75S	ND	2.58	78	3	68	ND	.33	.1	37	20	178	11.90	.08	.56	5159	5	.27	48	.31	62	ND	ND	4	ND	19	ND	ND	193
L5+00E 4+00S	.8	5.15	20	9	76	ND	.57	2.5	8	10	91	5.46	.20	.33	2334	7	.06	14	.17	29	ND	ND	5	1	34	ND	ND	348
L5+00E 4+25S	ND	3.12	44	8	32	ND	.08	.1	5	14	39	9.02	.07	.26	398	10	.16	7	.12	36	ND	ND	6	2	10	ND	ND	61
L5+00E 4+50S	.1	3.55	33	4	35	ND	.13	.1	7	22	60	4.89	.07	.47	441	10	.11	19	.08	54	ND	ND	3	ND	14	ND	ND	175
L5+00E 4+75S	1.4	4.67	19	12	135	ND	.37	.8	6	9	80	5.81	.24	.14	1138	22	.01	10	.07	34	ND	ND	7	5	19	9	ND	227
L5+00W 1+00S	1.7	3.65	17	16	13	ND	.05	.1	3	19	28	6.59	.08	.06	129	9	.07	5	.07	56	ND	ND	9	10	4	ND	ND	40
L5+00W 2+00S	.3	4.61	19	8	22	4	.09	.1	9	17	61	4.84	.12	.44	535	7	.05	12	.15	32	ND	ND	6	6	14	ND	ND	104
L5+00W 3+00S	1.7	5.46	16	12	19	ND	.05	.1	3	4	13	5.26	.14	.06	941	9	.04	3	.05	32	ND	ND	8	2	1	3	ND	99
L5+00W 4+00S	.8	5.23	16	15	10	ND	.05	.1	5	13	23	6.80	.11	.08	293	12	.08	5	.07	39	ND	ND	9	6	3	ND	ND	56
L5+00W 0+25S	.8	3.62	23	13	12	ND	.06	.1	3	8	18	5.72	.12	.09	845	6	.07	3	.04	38	ND	ND	8	6	3	ND	ND	149
L5+00W 0+50S	.5	2.38	20	9	21	3	.06	.1	5	24	27	4.10	.07	.30	250	6	.05	14	.06	42	ND	ND	6	9	7	ND	ND	42
L5+00W 1+25S	.7	1.38	18	7	23	ND	.02	.1	3	16	12	3.28	.06	.10	102	5	.03	7	.03	29	ND	ND	6	11	3	3	4	18
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
L5+00W 1+50S	2.7	6.68	24	ND	49	ND	.26	.1	3	8	20	5.63	.18	.12	700	15	.03	7	.05	35	ND	ND	15	ND	20	7	ND	105
L5+00W 2+25S	.1	3.41	20	ND	39	ND	.27	.1	16	18	71	4.50	.11	.92	1512	5	.06	23	.16	30	ND	ND	9	ND	37	3	ND	128
L5+00W 2+50S	.9	3.84	17	ND	8	ND	.04	.1	3	18	19	4.98	.08	.08	264	7	.04	4	.07	37	ND	ND	13	4	3	ND	ND	35
L5+00W 2+75S	1.5	4.45	24	ND	12	ND	.06	.1	2	9	19	8.75	.05	.05	309	9	.12	ND	.09	47	ND	ND	18	3	3	ND	ND	39
L5+00W 3+25S	1.3	3.45	17	ND	15	ND	.06	.1	4	15	23	4.95	.05	.20	239	11	.06	9	.08	39	ND	ND	11	2	6	ND	ND	56
L5+00W 3+50S	.3	3.30	39	ND	87	ND	.50	.1	11	25	54	4.54	.09	.80	780	7	.10	36	.13	37	ND	ND	9	ND	53	ND	ND	263
L5+00W 3+75S	.9	3.80	27	ND	30	ND	.07	.1	8	16	52	5.32	.10	.45	579	10	.09	21	.09	42	ND	ND	13	ND	8	3	ND	136
L5+00W 4+25S	.3	2.30	118	ND	25	ND	.09	.1	10	17	89	6.01	.05	.52	1653	7	.26	31	.22	638	ND	ND	11	ND	7	ND	ND	519
L5+00W 4+50S	.1	3.36	41	ND	62	ND	.19	.1	23	23	112	5.03	.05	1.02	1982	5	.13	34	.09	54	ND	ND	8	ND	19	ND	ND	180
L5+00W 4+75S	.9	6.09	16	ND	20	ND	.04	.1	5	4	22	5.73	.14	.06	936	10	.06	1	.07	35	ND	ND	15	ND	1	B	ND	96
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 871088 GA JOB NUMBER: 871088 PANICON DEVELOPMENT LTD. PAGE 1 OF 1

SAMPLE #	Au ppb
L0+20E - 0+10S	520
L0+20E - 0+20S	15
L0+30E - 0+10S	20
L0+30E - 0+20S	10
L0+30E - 0+30S	nd
L0+40E - 0+10S	15
L0+40E - 0+20S	5
L0+40E - 0+30S	5
L0+40E - 0+40S	5
L0+50E - 0+10S	5
L0+50E - 0+20S	15
L0+50E - 0+30S	105
L0+50E - 0+40S	nd
L0+60E - 0+30S	40
L5W - 0+00N	15

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED
MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH:(604)986-5211 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -- NOT ANALYZED

COMPANY: PAMICON
ATTENTION:
PROJECT: HECT

REPORT#: 871088PA
JOB#: 871088
INVOICE#: 871088NA

DATE RECEIVED: 87/08/19
DATE COMPLETED: 87/09/17
COPY SENT TO:

ANALYST

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
L0+20E-0+10S	4.9	2.46	589	ND	87	ND	.13	1.1	26	15	184	7.07	.13	.38	6528	10	.21	22	.17	426	ND	ND	ND	ND	10	ND	ND	620
L0+20E-0+20S	1.1	2.61	26	ND	9	3	.03	.1	6	14	23	7.30	.06	.10	699	8	.11	ND	.07	42	ND	ND	3	9	2	ND	ND	64
L0+30E-0+10S	.8	4.80	21	ND	13	3	.04	.1	8	9	29	5.39	.12	.13	1352	7	.09	6	.08	37	ND	ND	3	1	2	5	ND	105
L0+30E-0+20S	.9	3.15	28	ND	10	ND	.03	.1	4	12	26	6.86	.07	.08	591	10	.09	3	.08	43	ND	ND	3	9	3	ND	ND	51
L0+30E-0+30S	1.1	4.97	25	ND	11	ND	.06	.1	6	10	28	5.56	.07	.20	1309	8	.08	4	.07	46	ND	ND	3	ND	3	6	ND	90
L0+40E-0+10S	.7	4.54	20	ND	13	ND	.05	.1	7	9	32	5.60	.11	.11	2102	9	.07	ND	.09	35	ND	ND	ND	6	3	6	ND	97
L0+40E-0+20S	1.5	5.51	14	ND	10	4	.03	.1	2	5	19	4.68	.03	.06	373	7	.03	2	.08	32	ND	ND	4	ND	1	5	ND	64
L0+40E-0+30S	1.2	4.85	18	ND	4	ND	.04	.1	2	7	20	5.31	.07	.03	508	9	.07	ND	.06	40	ND	ND	4	4	1	3	ND	43
L0+40E-0+40S	1.2	3.20	24	ND	6	ND	.04	.1	3	6	19	6.94	.09	.05	471	9	.07	ND	.06	41	ND	ND	5	9	1	6	ND	63
L0+50E-0+10S	.6	4.24	24	ND	7	ND	.04	.1	3	6	17	5.34	.07	.06	626	7	.06	1	.08	37	ND	ND	4	3	2	4	ND	53
L0+50E-0+20S	1.0	4.10	22	ND	10	3	.06	.1	6	9	32	5.22	.09	.14	724	7	.06	2	.07	34	ND	ND	ND	4	2	5	ND	74
L0+50E-0+30S	3.2	4.64	753	ND	17	6	.05	.1	6	10	49	6.83	.08	.12	1136	9	.10	2	.09	118	ND	ND	7	5	2	4	ND	89
L0+50E-0+40S	1.3	5.96	28	ND	10	ND	.04	.1	3	7	20	5.62	.11	.05	361	10	.04	ND	.05	40	3	ND	4	1	1	12	ND	59
L0+60E-0+30S	.4	4.34	19	ND	9	ND	.03	.1	4	9	29	4.94	.09	.10	544	7	.05	ND	.07	35	ND	ND	ND	4	2	5	ND	57
L5W-0+00N	.5	3.95	40	ND	34	ND	.33	.8	13	33	92	5.52	.07	1.00	2573	6	.13	49	.12	295	ND	ND	ND	4	28	ND	ND	239
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 871091 GA JOB NUMBER: 871091 **PAMICON DEVELOPMENT LTD.**

SAMPLE #	Au ppb
1208	65
1209	10
1210	nd
1211	15
1212	20
1213	nd
1214	nd
1215	nd
1216	nd
1217	nd
1260	100
1261	920
1262	200
1263	300
1264	3630
1265	3390

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH:(604)986-5211 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
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IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: PAMICON
ATTENTION:
PROJECT: HECT

REPORT#: 871091PA
JOB#: 871091
INVOICE#: 871091NA

DATE RECEIVED: 87/08/19
DATE COMPLETED: 87/09/18
COPY SENT TO:

ANALYST W. Pemm

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
1208	.1	1.92	284	ND	183	ND	5.21	.1	15	24	118	4.73	.05	1.40	2174	ND	.15	12	.07	10	ND	ND	ND	ND	153	ND	ND	67
1209	.1	.15	7	ND	27	ND	5.09	.1	1	25	22	1.10	.04	.13	1373	ND	.04	15	.03	7	ND	ND	ND	ND	371	ND	3	53
1210	.1	.40	5	ND	572	ND	3.45	.1	3	19	11	1.20	.07	.20	768	1	.02	4	.05	6	ND	ND	4	ND	175	ND	3	16
1211	.1	1.49	7	ND	86	ND	3.68	.1	10	15	68	3.72	.09	.98	894	4	.10	11	.13	24	ND	ND	3	ND	313	ND	ND	67
1212	5.1	.14	8	ND	20	ND	19.59	22.3	ND	12	171	1.26	.01	.25	3827	ND	.63	5	.01	2582	ND	ND	ND	ND	2175	ND	ND	1584
1213	.1	.02	ND	3	155	ND	16.64	.1	ND	2	4	5.39	.01	6.42	2902	ND	.27	4	.01	33	ND	ND	ND	ND	9335	ND	ND	71
1214	.1	4.48	ND	ND	167	ND	4.40	.1	29	10	218	10.77	.05	3.62	1675	3	.30	12	.22	12	ND	ND	ND	ND	371	ND	ND	109
1215	.1	2.46	4	ND	42	6	4.98	.1	19	22	36	3.78	.03	2.35	929	ND	.13	16	.15	ND	ND	ND	ND	ND	471	ND	ND	62
1216	.5	.09	8	ND	103	ND	.26	2.0	2	138	62	.88	.04	.04	229	10	.11	6	.02	144	ND	ND	6	ND	23	ND	ND	277
1217	3.6	.06	35	ND	22	5	.09	3.6	1	116	661	1.70	.04	.01	111	3	.33	4	.02	4831	ND	ND	9	ND	11	ND	ND	794
1260	.1	.68	4	ND	49	5	.11	.1	5	103	14	1.23	.04	.41	745	3	.04	16	.04	84	ND	ND	6	ND	9	ND	3	67
1261	21.9	.30	983	ND	31	7	.08	.1	26	39	341	10.25	.09	.03	1217	5	.28	22	.06	431	ND	ND	12	ND	10	ND	ND	273
1262	4.8	.40	222	ND	40	4	.57	8.6	12	13	204	3.12	.07	.08	1476	2	.33	6	.06	727	ND	ND	8	ND	23	ND	ND	739
1263	9.6	.81	341	ND	34	3	8.61	151.0	38	48	173	6.53	.04	.60	4176	1	5.09	13	.06	312	ND	ND	4	ND	187	ND	ND	13051
1264	18.7	.12	4197	6	16	3	.15	.1	2	6	1154	33.50	.13	.03	201	4	.94	ND	.01	303	4	ND	25	ND	5	ND	ND	847
1265	>100	.33	811	ND	37	144	.07	4.5	15	27	239	6.65	.06	.14	171	18	.43	7	.03	1178	ND	ND	14	ND	7	ND	ND	804
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 871232 GA JOB NUMBER: 871232 PANICON DEVELOPMENT LTD.

SAMPLE #	Au ppb
1266	2160
1267	9250
1268	995
1269	1540
1270	750
1271	360
1272	1120
1298	50
1299	nd
1300	nd

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

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(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 871232 AA JOB NUMBER: 871232 PANICON DEVELOPMENT LTD.

SAMPLE #	Au oz/st
1267	.270

DETECTION LIMIT .005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH:(604)986-5211 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: PAMICON
ATTENTION:
PROJECT: HECT

REPORT#: 871232PA
JOB#: 871232
INVOICE#: 871232NA

DATE RECEIVED: 87/08/31
DATE COMPLETED: 87/09/21
COPY SENT TO:

ANALYST

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
1266	18.5	2.12	8045	5	8	ND	.08	.1	183	7	852	18.18	.07	.30	673	9	.50	4	.04	189	ND	ND	30	ND	2	ND	ND	343
1267	82.2	1.00	436	11	6	22	.10	10.7	30	59	195	18.80	.08	.24	371	13	.83	ND	.01	679	ND	ND	13	ND	3	ND	ND	1202
1268	>100	.99	48	6	30	8	9.25	549.7	11	12	1477	2.68	.03	.44	3437	25	15.28	4	.10	1968	ND	ND	4	ND	177	ND	ND	43284
1269	>100	.39	620	ND	15	36	1.58	33.3	27	88	286	6.76	.08	.11	1913	17	1.48	2	.03	1665	ND	ND	10	ND	28	ND	ND	3414
1270	14.6	.44	2714	6	4	ND	19.63	17.1	170	3	1215	5.52	.01	.29	14631	ND	1.07	8	.01	505	ND	ND	6	ND	379	ND	ND	2366
1271	6.0	1.11	493	ND	93	4	1.44	5.4	10	14	231	6.15	.10	.50	1348	2	.38	5	.17	152	ND	ND	5	ND	47	ND	ND	650
1272	48.8	.27	1107	ND	34	19	.15	12.8	3	14	298	7.99	.09	.06	165	8	.71	ND	.05	850	ND	ND	11	ND	15	ND	ND	1372
1298	12.5	.07	51	3	23	12	.81	936.6	9	52	37	.39	.05	.03	293	11	13.67	4	.02	14038	ND	ND	19	3	519	ND	ND	34515
1299	.5	1.25	19	ND	1123	6	.20	8.5	9	31	15	2.37	.04	1.05	1002	1	.24	28	.04	159	ND	ND	4	ND	64	ND	ND	454
1300	1.0	1.88	190	ND	205	6	.07	.1	7	70	98	7.15	.06	1.31	535	98	.20	28	.11	140	ND	ND	10	ND	15	ND	ND	148
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 871260 GA JOB NUMBER: 871260 PAMICON DEVELOPMENT LTD.

SAMPLE #	Au ppb
1273	10
1275	360
1276	nd
1277	3050
1278	nd
1279	nd
1280	1810
1281	230
1282	2740
1283	120

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 871260 AA JOB NUMBER: 871260 PAMICON DEVELOPMENT LTD.

SAMPLE #	Au oz/st
1277	.093
1282	.076

DETECTION LIMIT .005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH:(604)986-5211 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,W,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: PAMICON
ATTENTION:
PROJECT: [redacted] HECT

REPORT#: 871260PA
JOB#: 871260
INVOICE#: 871260NA

DATE RECEIVED: 87/09/04
DATE COMPLETED: 87/11/10
COPY SENT TO:

ANALYST C. Downs

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
1273	2.4	1.86	164	ND	77	ND	.92	41	5	350	6.11	.07	.96	2651	3	.97	4	.19	130	ND	ND	ND	ND	23	ND	5	839
1275	41.9	.25	142	ND	168	31	2.46	11	9	32	1.02	.05	.13	1275	1	1.76	ND	.06	336	ND	ND	ND	ND	59	ND	4	2530
1276	.5	2.86	40	ND	112	ND	3.54	16	26	57	4.57	.07	2.22	2704	ND	1.37	15	.23	176	ND	ND	ND	ND	98	ND	ND	1493
1277	51.3	.67	1182	4	17	30	1.75	65	32	464	10.71	.09	.38	1305	12	3.99	14	.04	4125	ND	ND	5	ND	38	ND	ND	5084
1278	1.1	1.97	53	ND	425	ND	.81	14	32	73	3.69	.05	1.65	1128	ND	.66	16	.14	123	ND	ND	ND	ND	34	ND	12	625
1279	1.3	1.82	41	ND	306	3	.92	12	16	122	3.33	.05	1.35	1250	1	1.17	12	.16	303	ND	ND	ND	ND	29	ND	4	1489
1280	60.7	.79	570	ND	66	49	.16	8	16	176	4.36	.04	.40	310	6	.79	4	.08	1104	ND	ND	8	ND	11	ND	ND	878
1281	6.6	3.27	200	ND	130	ND	1.66	15	46	309	11.55	.09	2.27	1973	6	1.44	14	.25	374	ND	ND	ND	ND	78	ND	ND	1145
1282	36.6	.32	557	3	37	21	3.23	26	48	604	5.70	.08	.20	1858	9	2.96	14	.01	1585	ND	ND	ND	ND	60	ND	12	4394
1283	3.8	2.98	85	ND	157	ND	1.21	38	31	197	7.36	.07	2.41	2785	2	1.49	19	.27	792	ND	ND	ND	ND	60	ND	ND	1704
16003	2.4	.81	28	ND	378	10	.11	5	23	2461	2.24	.04	.36	345	1	.17	7	.02	51	ND	ND	ND	ND	11	ND	ND	101
DETECTION LIMIT	.1	.01	3	3	1	3	.01	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 871304 GA JOB NUMBER: 871304 PAMICON DEVELOPMENT LTD.

SAMPLE #	Au ppb
1274	410
1284	5240
1285	2640
1286	100
1287	1680
1288	2500
1289	3490
1290	100
1291	2050
1292	5790
1293	5040
1294	2190

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 871304 AA JOB NUMBER: 871304 PAMICON DEVELOPMENT LTD.

SAMPLE #	Au oz/st
1274	--
1284	.146
1285	.073
1286	--
1287	.048
1288	.066
1289	.104
1290	--
1291	.064
1292	.156
1293	.144
1294	.083

DETECTION LIMIT .005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH:(604)986-5211 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: PAMICON
ATTENTION:
PROJECT: HECT

REPORT#: 871304PA
JOB#: 871304
INVOICE#: 871304NA

DATE RECEIVED: 87/09/10
DATE COMPLETED: 87/10/01
COPY SENT TO:

ANALYST A. Reeves

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
1274	>100	.37	10533	3	7	116	.13	.1	231	14	3440	29.59	.30	.15	379	3	.51	25	.01	913	ND	ND	76	ND	10	ND	ND	221
1284	35.6	.83	1128	ND	27	20	.12	.1	24	10	436	10.12	.12	.19	303	12	.51	5	.06	972	ND	ND	23	ND	5	ND	ND	1268
1285	5.0	2.57	244	ND	55	7	.94	4.3	14	5	179	6.65	.10	.92	2157	6	.34	9	.20	352	ND	ND	16	ND	20	ND	ND	827
1286	28.5	1.71	1852	ND	10	8	.16	.1	100	33	829	19.71	.21	.36	769	15	.48	10	.06	388	ND	ND	31	ND	4	ND	ND	642
1287	57.4	1.43	2319	ND	8	21	.10	.1	91	54	845	20.43	.21	.31	526	9	.47	7	.04	606	ND	ND	29	ND	2	ND	ND	566
1288	31.2	1.15	7877	ND	6	18	.04	.1	65	45	486	18.70	.17	.17	363	7	.33	3	.02	270	ND	ND	45	ND	1	ND	ND	161
1289	5.2	2.45	332	ND	48	4	.48	2.4	15	9	192	5.61	.09	1.08	1886	4	.32	8	.19	182	ND	ND	10	ND	10	ND	ND	750
1290	37.9	1.95	681	3	10	16	.09	28.9	52	9	536	14.25	.14	.62	683	21	.80	9	.04	1053	ND	ND	23	ND	3	ND	ND	1902
1291	>100	.45	20747	4	5	27	.06	.1	207	13	2452	37.18	.39	.17	1264	4	.59	23	.01	498	ND	ND	136	ND	4	ND	ND	160
1292	>100	.78	22838	3	5	11	.07	.1	154	50	3941	35.93	.37	.31	1509	6	.55	28	.01	271	ND	ND	147	ND	6	ND	ND	64
1293	81.0	.62	20472	ND	3	ND	.08	.1	121	40	2600	36.54	.37	.20	1399	5	.55	27	.01	292	ND	ND	139	ND	10	ND	ND	68
1294	23.4	2.68	694	ND	67	10	2.80	24.2	29	20	328	7.46	.09	1.84	3252	5	1.00	20	.19	194	ND	ND	25	ND	95	ND	ND	2625
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
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(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 871314 GA JOB NUMBER: 871314 PAMICON DEVELOPMENT LTD.

SAMPLE #	Au ppb
1218	8400
1219	8945
1220	1850
1221	4900
1222	4010
1223	510
1224	1710
1225	5100
1226	11930
1227	1745
1228	240
1229	2600
1296	890
1297	2500
16051	200
16052	650
16053	755

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 871314 AA JOB NUMBER: 871314 PAMICON DEVELOPMENT LTD.

SAMPLE #	Au oz/st
1218	.263
1219	.295
1221	.143
1222	.115
1225	.144
1226	.329

DETECTION LIMIT .005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH:(604)986-5211 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: PAMICON
ATTENTION:
PROJECT: HECT

REPORT#: 871314PA
JOB#: 871314
INVOICE#: 871314NA

DATE RECEIVED: 87/09/11
DATE COMPLETED: 87/09/21
COPY SENT TO:

ANALYST C.J. Reeves

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
1218	>100	.05	830	5	7	26	.02	.1	11	32	212	5.34	.03	.02	119	2	.12	5	.01	797	ND	ND	18	ND	2	ND	3	46
1219	>100	.15	1756	7	3	ND	.04	.1	206	10	13023	28.09	.11	.18	1100	2	.67	25	.01	904	ND	ND	29	ND	3	ND	ND	151
1220	35.3	1.65	9030	4	12	ND	.14	.1	65	15	2311	23.35	.11	.56	1928	2	.88	19	.05	152	ND	ND	40	ND	6	ND	ND	1129
1221	>100	.70	1937	7	3	ND	.05	102.7	117	13	4931	28.64	.12	.24	520	2	4.05	20	.01	1411	ND	ND	28	ND	3	ND	ND	10335
1222	76.6	.39	4450	4	3	ND	.03	.1	78	11	2154	25.79	.11	.13	199	2	.74	14	.01	897	ND	ND	40	ND	2	ND	ND	597
1223	4.5	2.86	5650	ND	15	ND	.48	.1	22	19	342	10.28	.08	1.31	1660	1	.40	15	.14	62	ND	ND	15	ND	21	ND	ND	519
1224	41.6	.22	4494	ND	14	11	.02	.1	19	29	241	8.95	.06	.07	384	2	.32	9	.01	477	ND	ND	36	ND	4	ND	ND	422
1225	62.6	.13	4103	7	3	ND	1.24	14.9	121	7	2171	25.74	.16	.44	1940	1	1.70	14	.01	1357	ND	ND	37	ND	11	ND	ND	3469
1226	69.1	.11	3715	5	3	21	.03	.1	16	21	356	12.59	.05	.04	225	3	.48	6	.01	1555	ND	ND	34	ND	4	ND	ND	677
1227	42.1	.65	8543	8	3	10	.08	.1	70	12	1308	22.34	.10	.37	2980	2	.53	17	.01	614	ND	ND	43	ND	3	ND	ND	212
1228	.6	3.32	942	ND	13	ND	.23	.1	11	28	127	8.04	.05	1.70	1867	1	.29	30	.12	66	ND	ND	ND	ND	11	ND	ND	335
1229	31.6	.39	14420	ND	31	13	.03	.1	94	15	183	6.09	.04	.11	173	2	.26	6	.03	466	ND	ND	91	ND	2	ND	ND	480
1296	23.8	.21	4174	5	5	ND	4.13	56.8	60	9	1119	16.73	.13	1.40	6893	2	2.52	10	.01	1350	ND	ND	40	ND	45	ND	ND	6558
1297	34.5	.06	2290	7	2	ND	1.33	137.3	123	8	2665	28.62	.17	.42	2103	2	4.62	17	.01	1100	ND	ND	31	ND	12	ND	ND	12593
16051	.1	2.24	197	ND	33	3	.14	.6	25	22	164	10.75	.07	1.25	638	217	.35	16	.03	49	ND	ND	5	ND	4	ND	ND	363
16052	.2	2.52	510	ND	10	ND	.44	.1	49	23	509	9.35	.05	1.99	358	5	.30	26	.03	69	ND	ND	4	ND	14	ND	ND	252
16053	.1	1.30	89	4	19	ND	.81	.1	47	24	655	22.33	.15	.33	1125	22	.46	48	.08	29	ND	ND	9	ND	7	ND	ND	82
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 871420 AA JOB NUMBER: 871420 PAMICON DEVELOPMENT LTD.

SAMPLE #	Au oz/st
1230	.076
16376	.058
16387	.149
16389	.372
16390	.031

DETECTION LIMIT .005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 871420 GA JOB NUMBER: 871420 PAMICON DEVELOPMENT LTD.

SAMPLE #	Au ppb
1230	2290
1231	nd
1232	nd
1233	nd
1234	nd
1235	nd
16376	1610
16377	440
16378	115
16379	960
16380	555
16381	330
16382	260
16383	890
16384	nd
16385	345
16386	105
16387	5310
16388	270
16389	12610
16390	1060
H-HM-8	25
H-HM-9	200

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED
MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH:(604)986-5211 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: PAMICON DEVELOPMENT
ATTENTION:
PROJECT: HECTOR

REPORT#: 871420PA
JOB#: 871420
INVOICE#: 871420NA

DATE RECEIVED: 87/09/28
DATE COMPLETED: 87/10/02
COPY SENT TO:

ANALYST W. Reuss

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
1230	37.1	.66	1935	ND	22	ND	.07	.1	29	44	1428	33.22	.31	.16	265	39	.64	59	.01	337	ND	ND	50	ND	3	ND	ND	251
1231	.1	2.92	108	ND	54	ND	3.85	.1	26	40	146	7.18	.12	2.37	2080	4	.22	73	.13	58	ND	ND	3	ND	136	ND	ND	196
1232	2.2	2.62	85	ND	92	ND	2.72	.1	15	30	92	5.62	.10	1.73	1487	2	.17	57	.16	62	ND	ND	14	ND	109	ND	ND	169
1233	.1	2.86	24	ND	318	ND	4.87	15.3	16	66	75	4.95	.09	2.48	2295	1	.63	91	.11	509	ND	ND	ND	ND	166	ND	ND	1580
1234	4.3	3.18	83	ND	22	4	1.86	80.4	18	22	112	5.69	.08	2.36	2241	5	3.08	22	.20	7857	ND	ND	14	4	65	ND	ND	9118
1235	2.5	.29	14	ND	27	ND	1.01	2.6	10	107	357	2.11	.07	.21	3032	5	.14	20	.02	1002	ND	ND	9	ND	37	7	ND	343
16376	38.4	.33	1277	ND	14	9	.13	.1	32	105	343	9.88	.11	.14	436	7	.38	19	.01	674	ND	ND	31	ND	5	ND	ND	668
16377	20.2	.86	828	ND	8	ND	.17	25.0	49	17	531	16.04	.16	.45	1110	3	1.50	33	.03	743	ND	ND	31	ND	7	ND	ND	3661
16378	23.6	.10	890	ND	3	ND	.19	55.7	103	71	1093	30.82	.28	.08	498	4	2.68	83	.01	543	ND	ND	42	ND	6	ND	ND	6383
16379	31.5	.81	1266	ND	6	ND	.17	30.3	50	78	637	18.04	.17	.35	1366	10	1.88	38	.01	1225	ND	ND	28	ND	5	ND	ND	4621
16380	8.5	.51	4341	ND	6	ND	.09	.1	21	19	225	6.65	.08	.14	368	2	.34	16	.03	367	ND	ND	25	2	4	ND	ND	674
16381	22.1	2.19	2974	ND	5	ND	.15	.1	44	28	698	23.82	.22	.79	1089	5	.59	41	.06	356	ND	ND	38	ND	6	ND	ND	437
16382	21.8	.27	4037	ND	3	ND	.13	15.2	44	81	776	15.00	.15	.14	745	12	2.27	26	.01	2178	ND	ND	43	ND	3	ND	ND	5766
16383	11.5	.39	1822	ND	13	ND	.14	.1	28	14	286	10.32	.12	.10	302	1	.34	20	.07	231	ND	ND	21	1	5	ND	ND	476
16384	26.2	.36	1661	ND	8	4	.50	8.7	41	19	699	11.37	.12	.21	1131	4	1.23	30	.01	538	ND	ND	26	ND	7	ND	ND	2915
16385	32.7	.54	255	ND	31	11	.08	.1	10	122	65	2.49	.06	.17	976	11	.26	18	.05	528	ND	ND	4	ND	5	4	ND	648
16386	8.3	.90	867	ND	12	ND	.22	.1	57	26	345	14.04	.14	.44	410	4	.34	57	.09	99	ND	ND	19	ND	15	ND	ND	226
16387	64.1	.15	409	4	8	12	.02	.1	6	112	78	2.82	.06	.02	172	5	.15	10	.01	754	ND	ND	12	1	1	6	3	317
16388	8.8	.22	356	ND	43	ND	.07	3.5	11	105	171	4.90	.08	.03	281	11	.39	13	.06	647	ND	ND	9	ND	12	3	ND	863
16389	>100	.09	26845	5	5	26	.05	.1	176	77	3359	22.41	.20	.04	143	7	.46	24	.01	657	ND	ND	163	ND	1	ND	ND	118
16390	6.9	.20	784	ND	19	ND	18.56	.1	7	4	257	4.45	.07	.23	4839	1	.10	13	.02	58	ND	ND	ND	ND	959	ND	ND	20
H-HM-8	.8	1.66	31	ND	50	4	1.02	.1	11	50	47	2.45	.06	.80	451	2	.04	24	.04	16	ND	ND	ND	1	39	ND	4	38
H-HM-9	2.2	2.20	110	ND	97	ND	.40	1.9	20	31	127	5.04	.08	1.34	1790	4	.33	32	.11	178	ND	ND	5	1	28	ND	ND	612
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VANGEOCHEM LAB LIMITED

MAIN OFFICE
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(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 871478 AA JOB NUMBER: 871478 PAMICON DEVELOPMENT LTD.

SAMPLE #	Au oz/st	Au oz/st
16126	.213	.219
16127	.061	.064
16128	.057	.057
16129	.077	.074

DETECTION LIMIT	.005	.005	
1 Troy oz/short ton = 34.28 ppm	1 ppm = 0.0001%	ppm = parts per million	< = less than

signed: _____

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 871478 GA JOB NUMBER: 871478 PAMICON DEVELOPMENT LTD.

SAMPLE #	Au ppb
16126	7300
16127	2090
16128	1950
16129	2640
16130	960
16391	300
16392	nd
16393	nd
16394	30
16395	20
16397	410
16398	300
16399	nd

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH:(604)986-5211 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: PAMICON
ATTENTION:
PROJECT: HECT

REPORT#: 871478PA
JOB#: 871478
INVOICE#: 871478NA

DATE RECEIVED: 87/10/07
DATE COMPLETED: 87/10/13
COPY SENT TO:

ANALYST D. Reeves

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
16126	>100	.11	6793	4	7	77	.06	.1	110	18	2904	17.32	.04	.04	88	2	.52	15	.01	284	ND	ND	30	ND	2	ND	ND	401
16127	32.3	.08	1947	ND	4	20	.07	.1	28	19	950	6.83	.03	.03	151	ND	.18	8	.01	127	ND	ND	15	ND	3	ND	ND	138
16128	47.1	.04	7993	ND	9	32	.01	.1	35	24	294	6.98	.02	.02	66	2	.15	5	.01	227	ND	ND	36	ND	1	ND	ND	38
16129	>100	.02	11112	ND	8	47	.01	.1	51	19	121	5.26	.04	.01	54	ND	.10	3	.01	118	ND	ND	54	ND	1	ND	ND	21
16130	60.2	.06	2329	ND	6	43	.03	.1	15	25	126	5.04	.05	.03	187	1	.09	10	.01	106	ND	ND	14	ND	1	ND	ND	25
16391	16.6	.14	343	ND	7	8	.04	.1	4	24	36	1.56	.06	.06	540	2	.02	7	.01	94	ND	ND	8	ND	2	3	4	31
16392	.1	.32	54	ND	39	ND	12.22	.1	5	10	10	5.65	.01	2.92	5929	ND	.16	32	.03	8	ND	ND	ND	ND	301	ND	ND	15
16393	.9	.35	45	ND	604	4	.78	.1	8	13	8	1.38	.10	.15	963	ND	.01	4	.09	12	ND	ND	5	1	71	ND	ND	26
16394	1.7	.09	85	ND	42	5	.06	.1	2	23	5	.87	.09	.01	356	1	.01	4	.01	11	ND	ND	9	2	7	6	7	6
16395	.7	1.37	52	ND	17	5	.11	.1	6	32	14	2.63	.06	1.05	1152	1	.05	18	.06	11	ND	ND	8	ND	11	ND	ND	30
16397	43.5	1.42	840	ND	19	20	.12	5.6	7	20	132	6.85	.08	.68	799	5	.42	13	.09	224	ND	ND	12	ND	7	ND	ND	693
16398	56.7	.81	162	ND	19	56	.12	.2	5	27	42	2.30	.07	.45	719	3	.06	11	.07	117	ND	ND	9	ND	7	ND	4	87
16399	1.4	.86	61	3	32	ND	10.93	293.8	7	12	73	2.57	.01	.85	4597	1	6.10	10	.03	4203	ND	ND	3	ND	332	ND	ND	12498
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 871489 GA JOB NUMBER: 871489 PAMICON DEVELOPMENT LTD.

SAMPLE #	Au ppb
16131	8050
16132	3490
16133	855
16134	1330
16135	1980
16136	1160

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

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(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 871489 AA JOB NUMBER: 871489 PAMICON DEVELOPMENT LTD.

SAMPLE #	Au oz/st	Au oz/st
16131	.235	.222
16132	.102	.096
16134	.039	.047
16135	.058	.057
16136	.034	.041

DETECTION LIMIT	.005	.005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VANGEOCHEM LAB LIMITED
MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH:(604)986-5211 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: PAMICON
ATTENTION:
PROJECT: HECT

REPORT#: 871489PA
JOB#: 871489
INVOICE#: 871489NA

DATE RECEIVED: 87/10/08
DATE COMPLETED: 87/10/13
COPY SENT TO:

ANALYST D. Reeves

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
STDC	10.2	1.30	40	5	50	10	.95	10.5	35	30	100	5.60	.12	.39	829	27	.07	300	.07	67	5	ND	30	20	19	10	ND	70
16131	80.5	.13	933	3	4	32	.02	.1	16	96	162	13.56	.05	.05	130	7	.29	6	.01	218	ND	ND	26	ND	1	ND	ND	37
16132	34.8	.84	948	ND	16	19	.20	.1	33	17	541	10.64	.07	.28	538	4	.40	32	.12	922	ND	ND	15	ND	13	ND	ND	469
16133	2.5	.21	106	ND	33	7	.06	.4	5	144	28	1.21	.07	.03	879	3	.02	8	.03	84	ND	ND	8	ND	5	7	ND	51
16134	25.0	.68	1011	ND	209	16	.08	.1	10	20	134	6.13	.07	.20	782	5	.19	6	.07	943	ND	ND	15	ND	20	ND	ND	203
16135	27.1	.27	769	ND	26	16	.08	.1	6	98	119	3.72	.09	.03	500	13	.10	6	.05	584	ND	ND	9	ND	4	5	ND	107
16136	6.6	.23	954	ND	272	ND	1.58	.1	11	12	272	4.64	.08	.03	1527	3	.18	11	.06	667	ND	ND	9	ND	46	ND	ND	245
STDC	10.2	1.29	42	5	50	10	.95	10.5	35	30	100	5.60	.12	.39	829	28	.06	300	.07	68	4	ND	30	20	19	10	ND	71
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

STDC - Van Geochem Labs internal standard.

VANGEOCHEM LAB LIMITED

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BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 871527 AA JOB NUMBER: 871527 PAMICON DEVELOPMENT LTD.

SAMPLE #	Ag oz/st	Au oz/st	As %
16137	.29	.008	<.01
16138	.04	.005	<.01
16139	.07	.010	<.01
16140	.02	.006	.02
16141	.06	.005	<.01
16142	.41	.006	<.01
16143	1.84	.136	.20
16144	.30	.006	.03
16145	.14	.006	.01
16146	.18	.010	.01
16147	.12	.010	.01
16148	.06	.005	.01
16151	.06	.010	.03
16152	.08	.005	.01
16153	.06	.005	<.01
16154	.13	.006	.03
16155	.31	.006	.05
16156	4.95	.072	.49
16157	.28	.012	.07
16158	.11	<.005	<.01
DETECTION LIMIT	.01	.005	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VANGEOCHEM LAB LIMITED

MAIN OFFICE
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NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Ag oz/st	Au oz/st	As %
16159	.03	<.005	<.01
16160	.08	.008	.02
16161	.19	<.005	.01
16162	.04	.012	.01
16163	2.08	.095	.25
16164	.13	.008	.01
16165	.11	.005	<.01
16251	.12	.005	.03
16252	.26	.018	.25
16253	.16	.008	.05
16254	.09	<.005	<.01
16255	.10	.005	.01
16256	.12	<.005	.01
16257	.52	.012	<.01
16258	.33	.005	<.01
16259	.88	.040	.11
16260	.07	<.005	<.01
16261	.08	.008	.01
16262	.10	.005	<.01
16263	.57	.045	.63
DETECTION LIMIT	.01	.005	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Ag oz/st	Au oz/st	As %
16264	2.51	.062	1.12
16265	.07	<.005	.04
16266	.06	<.005	.01
16267	.07	.008	.01
16268	.45	.014	.15
16269	.86	.066	1.07
16270	.27	.019	.15
16271	2.18	.206	.60
16272	.15	.006	.02
DETECTION LIMIT	.01	.005	.01

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signed: _____

VANGEOCHEM LAB LIMITED

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1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 871527 AA JOB NUMBER: 871527 PAMICON DEVELOPMENT LTD.

SAMPLE #	Cu %	Pb %	Zn %
16137	.02	<.01	.03
16138	.01	.01	.02
16139	.02	.01	.02
16140	<.01	.01	.01
16141	.01	<.01	.02
16142	.02	.01	.08
16143	.31	1.68	2.72
16144	.03	.04	.15
16145	.02	.02	.05
16146	.02	.02	.05
16147	.01	.01	.02
16148	.01	.01	.03
16151	.02	.04	.18
16152	.02	.10	.92
16153	.01	.03	.09
16154	.03	.07	.06
16155	.04	.22	.06
16156	.62	.24	.54
16157	.04	.04	.09
16158	.02	.02	.05
DETECTION LIMIT	.01	.01	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 871527 AA JOB NUMBER: 871527 PAMICON DEVELOPMENT LTD.

SAMPLE #	Cu %	Pb %	Zn %
16159	.03	.01	1.21
16160	.02	.01	.01
16161	.02	.01	.15
16162	.02	.02	.12
16163	.12	.07	.10
16164	.02	.01	.03
16165	.02	<.01	.01
16251	.02	.01	.03
16252	.02	.03	.29
16253	.02	.01	.09
16254	.01	.01	.07
16255	.02	.01	.04
16256	.02	.03	.16
16257	.01	.02	.06
16258	.04	.02	.03
16259	.09	.09	.86
16260	.03	.01	.03
16261	.03	.05	.12
16262	.03	.41	.08
16263	.07	.09	.15
DETECTION LIMIT	.01	.01	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Cu %	Pb %	Zn %
16264	.15	.23	.44
16265	.02	.01	.03
16266	.02	.01	.08
16267	.02	.02	.12
16268	.04	.15	.08
16269	.15	.09	.15
16270	.04	.07	.04
16271	.12	.19	.33
16272	.04	.15	.32
DETECTION LIMIT	.01	.01	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed:

VANGEOCHEM LAB LTD.
Main Office
1521 Pemberton St.
North Vancouver,
B.C. V7P 2S3
604 986 5211
Telex 04 352578
Branch Lab
1630 Pandora St.
Vancouver, B.C.
Sample Preparation
Facilities
Pasadena, Newfoundland
Thunder Bay, Ontario
Balmurst, Newbrunswick
Reno, Nevada

REPORT NUMBER: 871560 AA JOB NUMBER: 871560 PANICON DEVELOPMENT LTD.

SAMPLE #	Ag oz/st	Au oz/st	As %
1236	2.99	.202	.09
1237	2.14	.019	.01

DETECTION LIMIT	.01	.005	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VANGEOCHEM LAB LTD.
Main Office
1521 Pemberton St.
North Vancouver,
B.C. V7P 2S3
604 986 5211
Telex: 04 352578
Branch Lab
1630 Pandora St.
Vancouver, B.C.
Sample Preparation Facilities
Pasadena, Newfoundland
Thunder Bay, Ontario
Bathurst, Newbrunswick
Reno, Nevada

REPORT NUMBER: 871560 AA JOB NUMBER: 871560 PAMICON DEVELOPMENT LTD.

SAMPLE #	Cu %	Pb %	Zn %
1236	.01	.01	.01
1237	7.03	.01	.03
DETECTION LIMIT	.01	.01	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 871563 GA JOB NUMBER: 871563 PAMICON DEVELOPMENT LTD.

SAMPLE #	Au ppb
16166	20
16167	545
16168	1230
16169	40
16170	100
16171	15
16172	685
16173	10
16174	30
16175	nd
16176	nd
16177	nd
16178	5
16179	nd
16180	nd
16181	15

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH:(604)986-5211 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: PAMICON
ATTENTION:
PROJECT:

REPORT#: 871563PA
JOB#: 871563
INVOICE#: 871563NA

DATE RECEIVED: 87/10/16
DATE COMPLETED: 87/10/20
COPY SENT TO: N.VAN LAB

ANALYST W. Lewis

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
16166	.4	1.93	129	ND	39	ND	5.22	.1	14	10	206	4.81	.10	.98	1470	5	.01	20	.18	50	ND	ND	ND	ND	119	ND	ND	182
16167	4.0	1.53	583	ND	99	ND	6.28	1.0	18	46	237	4.47	.12	.70	2236	6	.01	16	.15	544	ND	ND	ND	ND	121	ND	ND	466
16168	36.4	.53	7137	ND	16	ND	4.97	.1	109	97	1404	16.13	.16	.19	3929	24	.05	28	.04	1045	ND	ND	50	ND	147	ND	ND	3395
16169	2.1	2.53	466	ND	23	ND	7.75	7.0	16	28	277	5.91	.11	1.23	2325	ND	.01	38	.18	337	ND	ND	ND	ND	171	ND	ND	971
16170	.3	2.61	109	ND	28	ND	4.91	12.2	13	35	90	4.66	.11	1.68	2140	1	.02	27	.18	151	ND	ND	ND	ND	125	ND	ND	1231
16171	7.5	.51	196	ND	101	5	4.26	178.9	15	45	151	2.20	.10	.19	1893	63	.17	11	.08	2495	ND	ND	5	ND	103	ND	ND	12643
16172	11.2	.50	6484	ND	15	ND	7.40	.1	28	15	351	5.88	.11	.23	5505	7	.02	31	.05	849	ND	ND	29	ND	171	ND	ND	1674
16173	.7	2.90	402	ND	18	ND	8.32	.8	22	49	110	5.88	.11	1.62	2058	3	.01	42	.17	202	ND	ND	ND	ND	176	ND	ND	492
16174	.1	2.07	64	ND	14	ND	9.29	3.2	16	15	38	4.93	.10	1.54	2308	10	.01	26	.13	417	ND	ND	ND	ND	506	ND	ND	263
16175	.1	2.83	16	ND	64	ND	3.32	1.9	14	31	73	4.81	.10	2.24	1544	ND	.01	16	.15	18	ND	ND	ND	ND	107	ND	ND	476
16176	.1	2.41	99	ND	181	ND	5.71	.5	11	18	31	4.39	.11	1.77	2756	ND	.01	12	.11	90	ND	ND	ND	ND	244	ND	ND	361
16177	.1	2.85	18	ND	42	ND	3.52	.1	20	54	72	5.10	.09	2.64	1409	2	.01	32	.16	36	ND	ND	ND	ND	144	ND	ND	340
16178	1.3	3.11	ND	ND	40	10	2.50	.1	28	33	89	5.72	.11	1.51	902	1	.01	29	.26	9	ND	ND	ND	8	830	ND	ND	131
16179	1.6	2.06	19	ND	66	11	2.98	.1	33	63	104	6.09	.12	2.13	1125	ND	.01	55	.33	27	ND	ND	ND	12	231	ND	ND	192
16180	.1	2.28	51	ND	217	ND	6.38	.1	19	24	53	4.73	.12	1.57	1958	ND	.01	29	.16	47	ND	ND	ND	ND	265	ND	ND	227
16181	.1	2.59	13	ND	34	ND	6.76	3.6	14	22	107	5.00	.09	2.05	1858	ND	.01	27	.16	133	ND	ND	ND	ND	218	ND	ND	352
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VANGEOCHEM LAB LTD.
Main Office
1521 Pemberton St
North Vancouver,
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Branch Lab
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Vancouver, B.C.
Sample Preparation Facilities
Pasadena, Newfoundland
Thunder Bay, Ontario
Bathurst, Newbrunswick
Reno, Nevada

REPORT NUMBER: 871603 AA JOB NUMBER: 871603 PAMICON DEVELOPMENT LTD.

SAMPLE #	Ag oz/st	Au oz/st	As %
16196	.12	.005	.01
16197	.09	.005	.02
16198	<.01	<.005	.02
16199	.10	<.005	.02
16200	.04	<.005	.02
16201	.07	.006	.01
16202	.08	.005	.04
16203	.06	<.005	<.01
16204	.05	<.005	<.01
16205	.10	<.005	.02
16206	.17	<.005	.01
16207	.03	<.005	<.01
16208	.19	.014	.08
DETECTION LIMIT	.01	.005	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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Vancouver, B.C.
Sample Preparation Facilities
Pasadena, Newfoundland
Thunder Bay, Ontario
Bathurst, Newbrunswick
Reno, Nevada

REPORT NUMBER: 871603 AA JOB NUMBER: 871603 PAMICON DEVELOPMENT LTD.

SAMPLE #	Cu %	Pb %	Zn %
16196	.02	.01	.04
16197	.03	.01	.08
16198	.01	<.01	.09
16199	.01	.01	.03
16200	.01	.01	.05
16201	.03	<.01	.04
16202	.02	<.01	.07
16203	<.01	<.01	.02
16204	<.01	<.01	.02
16205	.02	.01	.06
16206	.02	.03	.24
16207	.01	.01	.05
16208	.02	.02	.03
DETECTION LIMIT	.01	.01	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

MAIN OFFICE: 1521 PEMBERTON AVE. N.VANCOUVER B.C. V7P 2S3 PH:(604)986-5211 TELEX:04-352578
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: PAMICON
ATTENTION: STEVE TODORUK
PROJECT: HECT

REPORT#: 871603PA
JOB#: 871603
INVOICE#: 871603NA

DATE RECEIVED: 87/10/23
DATE COMPLETED: 87/10/30
COPY SENT TO:

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CO PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
16196	.1	1.95	147	ND	28	ND	7.02	2.0	10	5	162	4.78	.04	1.36	3442	6	.31	5	.14	99	ND	ND	ND	ND	164	ND	ND	374
16197	.5	2.30	196	ND	35	ND	3.84	6.5	13	12	205	5.46	.05	1.49	2736	1	.42	2	.20	166	ND	ND	ND	ND	78	ND	ND	731
16198	.1	.35	213	ND	31	ND	3.68	10.4	1	67	35	2.32	.08	.10	1974	6	.37	3	.14	122	ND	ND	ND	ND	65	ND	4	928
16199	2.6	.96	178	ND	27	ND	3.10	1.2	3	14	54	3.50	.07	.54	2267	1	.20	2	.16	271	ND	ND	ND	ND	73	ND	7	279
16200	.8	2.24	186	ND	42	ND	5.29	1.5	5	21	85	5.70	.04	1.43	3894	1	.34	7	.17	44	ND	ND	ND	ND	123	ND	ND	402
16201	.1	1.49	153	ND	31	ND	6.11	.2	2	2	37	3.47	.06	.83	2846	ND	.19	ND	.16	10	ND	ND	ND	ND	112	ND	ND	188
16202	.9	1.94	397	ND	38	ND	4.00	4.9	15	37	104	6.77	.05	1.11	3075	2	.42	1	.12	69	ND	ND	ND	ND	83	ND	ND	640
16203	.1	.81	83	ND	31	ND	4.31	.1	5	40	13	2.00	.07	.38	1721	4	.11	2	.18	17	ND	ND	ND	ND	92	ND	3	143
16204	.6	.39	44	ND	146	ND	3.90	.9	ND	21	13	1.00	.06	.16	1604	2	.07	3	.10	27	ND	ND	ND	ND	119	ND	ND	109
16205	1.2	1.93	150	ND	35	ND	4.08	3.8	10	18	128	4.74	.05	1.18	1987	1	.31	3	.17	98	ND	ND	ND	ND	101	ND	ND	466
16206	3.6	2.64	92	ND	32	ND	5.66	24.2	12	5	120	6.11	.04	1.82	2528	3	.97	2	.15	386	ND	ND	ND	ND	141	ND	ND	2362
16207	.1	1.77	47	ND	31	ND	8.80	1.6	9	3	105	3.65	.03	1.21	2536	1	.27	1	.15	41	ND	ND	ND	ND	199	ND	ND	369
16208	4.3	1.17	767	ND	14	ND	6.26	.6	28	152	123	8.90	.05	.61	2332	12	.35	10	.04	141	ND	ND	ND	ND	116	ND	ND	248
DETECTION LIMIT	.1	.01	3	3	1	3	.01	.1	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

VANGEOCHEM LAB LTD.
Main Office
1521 Pemberton St.
North Vancouver,
B.C. V7P 2S3
604 986 5211
Telex: 04 352578
Branch Lab
1630 Pandora St.
Vancouver, B.C.
Sample Preparation Facilities
Pasadena, Newfoundland
Thunder Bay, Ontario
Bathurst, Newbrunswick
Reno, Nevada

REPORT NUMBER: 871638 AA JOB NUMBER: 871638 PAMICON DEVELOPMENT LTD.

SAMPLE #	Ag oz/st	Au oz/st	As %
16182	.67	<.005	.09
16183	.23	<.005	<.01
16184	.16	<.005	<.01
16185	.10	<.005	<.01
16186	.09	<.005	<.01
16187	.15	<.005	<.01
16188	.07	<.005	<.01
16189	.04	<.005	<.01
16190	.24	.005	.01
16191	.12	<.005	.01
16192	.13	<.005	<.01
16193	.59	.016	.02
16194	.09	.006	<.01
16195	.11	<.005	<.01
16209	.35	<.005	<.01
16210	.08	<.005	<.01
16211	.17	<.005	<.01
16212	.24	.005	<.01
16213	.07	<.005	<.01
16214	1.51	.009	<.01
DETECTION LIMIT	.01	.005	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VANGEOCHEM LAB LTD.
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North Vancouver,
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Branch Lab
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Vancouver, B.C.
Sample Preparation Facilities
Pasadena, Newfoundland
Thunder Bay, Ontario
Bathurst, Newbrunswick
Reno, Nevada

SAMPLE #	Ag oz/st	Au oz/st	As %
16215	.36	.005	.02
16216	.09	<.005	.01
DETECTION LIMIT	.01	.005	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

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Vancouver, B.C.
Sample Preparation Facilities
Pasadena, Newfoundland
Thunder Bay, Ontario
Bathurst, Newbrunswick
Reno, Nevada

REPORT NUMBER: 871638 AA JOB NUMBER: 871638 PAMICON DEVELOPMENT LTD.

SAMPLE #	Cu %	Pb %	Zn %
16182	.02	.19	.03
16183	.01	.01	.04
16184	.02	.06	.02
16185	.02	.01	.05
16186	.02	.01	.02
16187	.02	<.01	.04
16188	.02	.01	.02
16189	.02	.01	.05
16190	.02	.05	.56
16191	.02	.01	.10
16192	.01	.03	.02
16193	.04	.01	.03
16194	.03	.01	.06
16195	.02	.01	.04
16209	.02	.01	.33
16210	.02	.02	.05
16211	.02	.02	.06
16212	.01	.01	.17
16213	.02	.02	.07
16214	.01	.04	.02
DETECTION LIMIT	.01	.01	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VANGEOCHEM LAB LTD.
Main Office
1521 Pemberton St.
North Vancouver,
B.C. V7P 2S3
604 986 5211
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1630 Pandora St.
Vancouver, B.C.
Sample Preparation Facilities
Pasadena, Newfoundland
Thunder Bay, Ontario
Bathurst, Newbrunswick
Reno, Nevada

SAMPLE #	Cu %	Pb %	Zn %
16215	.02	.02	.04
16216	.01	.02	.02
DETECTION LIMIT	.01	.01	.01

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

VANGEOCHEM LAB LTD.
Main Office
1521 Pemberton St.
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B.C. V7P 2S3
604 986 5211
Telex: 04 352578
Branch Lab
1630 Pandora St.
Vancouver, B.C.
Sample Preparation Facilities
Pasadena, Newfoundland
Thunder Bay, Ontario
Bathurst, Newbrunswick
Reno, Nevada

REPORT NUMBER: 871639 GA JOB NUMBER: 871639 PAMICON DEVELOPMENT LTD.

SAMPLE #	Au ppb
16217	3290
16218	1165

DETECTION LIMIT 5
nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LTD.
Main Office
1521 Pemberton St.
North Vancouver,
B.C. V7P 2S3
604 986 5211
Telex: 04 352578
Branch Lab
1630 Pandora St.
Vancouver, B.C.
Sample Preparation Facilities
Pasadena, Newfoundland
Thunder Bay, Ontario
Bathurst, Newbrunswick
Reno, Nevada

REPORT NUMBER: 871639 AA JOB NUMBER: 871639 PAMICON DEVELOPMENT LTD. PAGE 1 OF 1

SAMPLE #	Au oz/st
16217	.096
16218	.035

DETECTION LIMIT .005

1 Troy oz/short ton = 34.28 ppm 1 ppm = 0.0001% ppm = parts per million < = less than

signed: _____

MAIN OFFICE: 152[illegible] AVE., VANCOUVER B.C. V7[illegible] PH:(604)251-[illegible] TELEX:[illegible]
BRANCH OFFICE: 1630 PANDORA ST. VANCOUVER B.C. V5L 1L6 PH:(604)251-5656

ICAP GEOCHEMICAL ANALYSIS

A .5 GRAM SAMPLE IS DIGESTED WITH 5 ML OF 3:1:2 HCL TO HNO3 TO H2O AT 95 DEG. C FOR 90 MINUTES AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR SN,MN,FE,CA,P,CR,MG,BA,PD,AL,NA,K,W,PT AND SR. AU AND PD DETECTION IS 3 PPM.
IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -= NOT ANALYZED

COMPANY: PAMICON
ATTENTION: STEVE TODORUCK
PROJECT: HECT

REPORT#: 871639PA
JOB#: 871639
INVOICE#: 871639NA

DATE RECEIVED: 87/10/28
DATE COMPLETED: 87/11/05
COPY SENT TO:

ANALYST W. Pinnell

SAMPLE NAME	AG PPM	AL %	AS PPM	AU PPM	BA PPM	BI PPM	CA %	CD PPM	CR PPM	CU PPM	FE %	K %	MG %	MN PPM	MO PPM	NA %	NI PPM	P %	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
16217	>100	.11	1016	3	21	159	.10	3	31	69	2.70	.07	.04	92	4	.10	5	.01	1365	ND	ND	19	ND	7	ND	7	102
16218	29.6	.44	3202	ND	11	10	.08	15	126	513	4.26	.07	.17	236	6	.64	15	.01	632	ND	ND	22	ND	7	ND	ND	1050
DETECTION LIMIT	.1	.01	3	3	1	3	.01	1	1	1	.01	.01	.01	1	1	.01	1	.01	2	3	5	2	2	1	5	3	1

APPENDIX VII

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, STEVE L. TODORUK, of Suite 102, 8675 Fremlin Street, Vancouver, in the Province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am a Geologist in the employment of Pamicon Developments Limited, with offices at Suite 711, 675 West Hastings Street, Vancouver, British Columbia.

2. THAT I am a graduate of the University of British Columbia with a Bachelor of Science Degree in Geology.

3. THAT my primary employment since 1979 has been in the field of mineral exploration.

4. THAT my experience has encompassed a wide range of geologic environments and has allowed considerable familiarization with prospecting, geophysical, geochemical and exploration drilling techniques.

5. THAT this report is based on data generated by myself, under the direction of Charles K. Ikona, Professional Engineer.

6. THAT I have no interest in the property described herein, nor in securities of any company associated with the property, nor do I expect to receive any such interest.

7. THAT I hereby grant permission to Hector Resources Inc. for the use of this report in any prospectus or other documentation required by any regulatory authority.

DATED at Vancouver, B.C., this 10th day of December, 1987.

Steve L. Todoruk, Geologist

APPENDIX VIII

ENGINEER'S CERTIFICATE

ENGINEER'S CERTIFICATE

I, CHARLES K. IKONA, of 5 Cowley Court, Port Moody, in the Province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am a Consulting Mining Engineer with offices at Suite 711, 675 West Hastings Street, Vancouver, British Columbia.

2. THAT I am a graduate of the University of British Columbia with a degree in Mining Engineering.

3. THAT I am a member in good standing of the Association of Professional Engineers of the Province of British Columbia.

4. THAT this report is based on a research of all available information surrounding Hector Resources Inc.'s mineral claims compiled by Steve Todoruk, with whom I have worked for two years, and in whom I have every confidence.

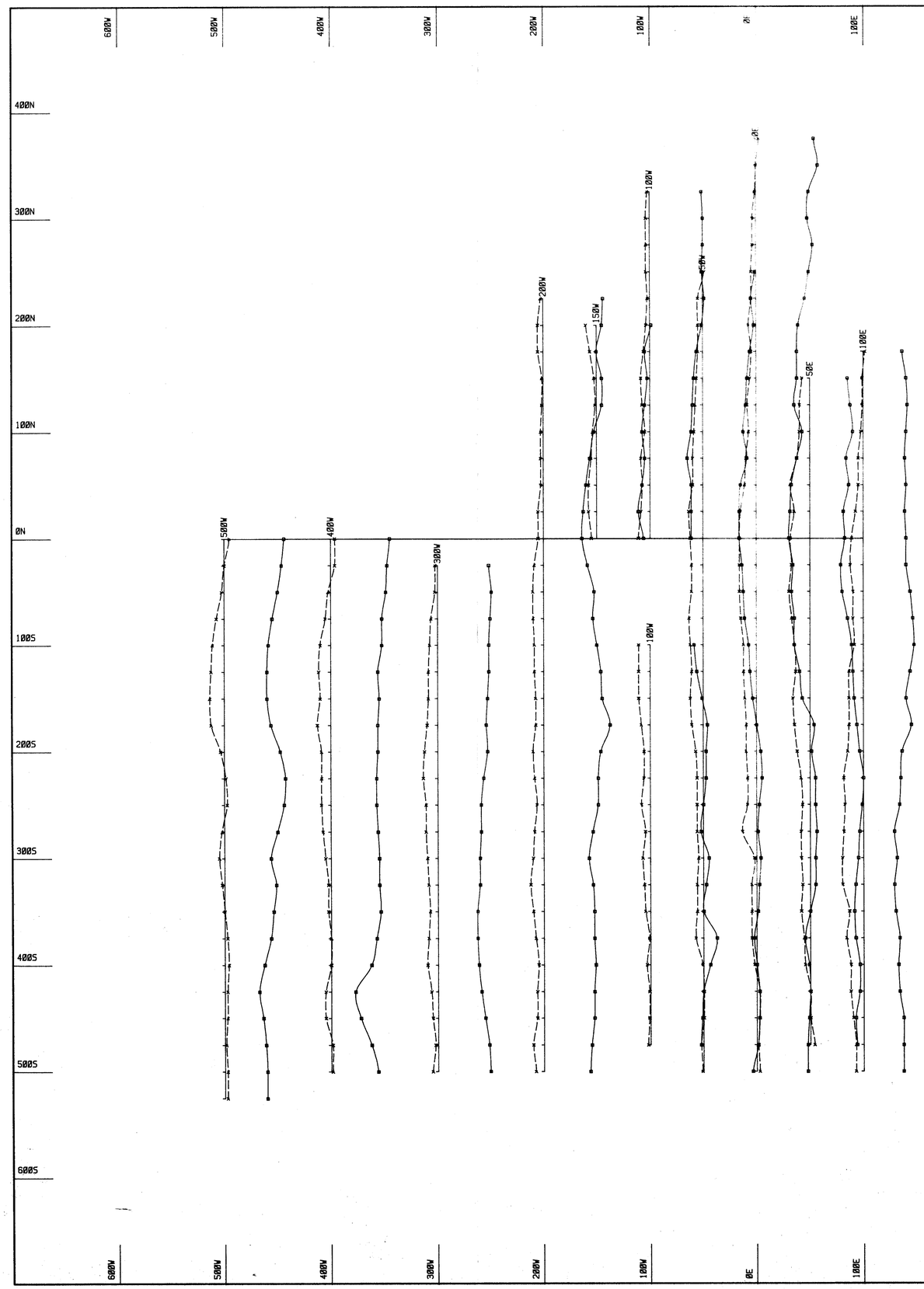
5. THAT I have no interest in the property described herein, nor in securities of any company associated with the property, nor do I expect to acquire any such interest.

6. THAT I consent to the use by Hector Resources Inc. of this report in a Prospectus or Statement of Material Facts or any other such document as may be required by the Vancouver Stock Exchange or the Office of the Superintendent of Brokers.

DATED at Vancouver, B.C., this 10th day of Dec., 1987.

Charles K. Ikona, P.Eng.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
CHARLES K. IKONA



20%
-20%
tilt angle
quadrature

T N

0 100m

HECTOR RESOURCES INC.

VLF (EM-16) SURVEY

TILT ANGLE AND QUADRATURE (direction of survey = north)

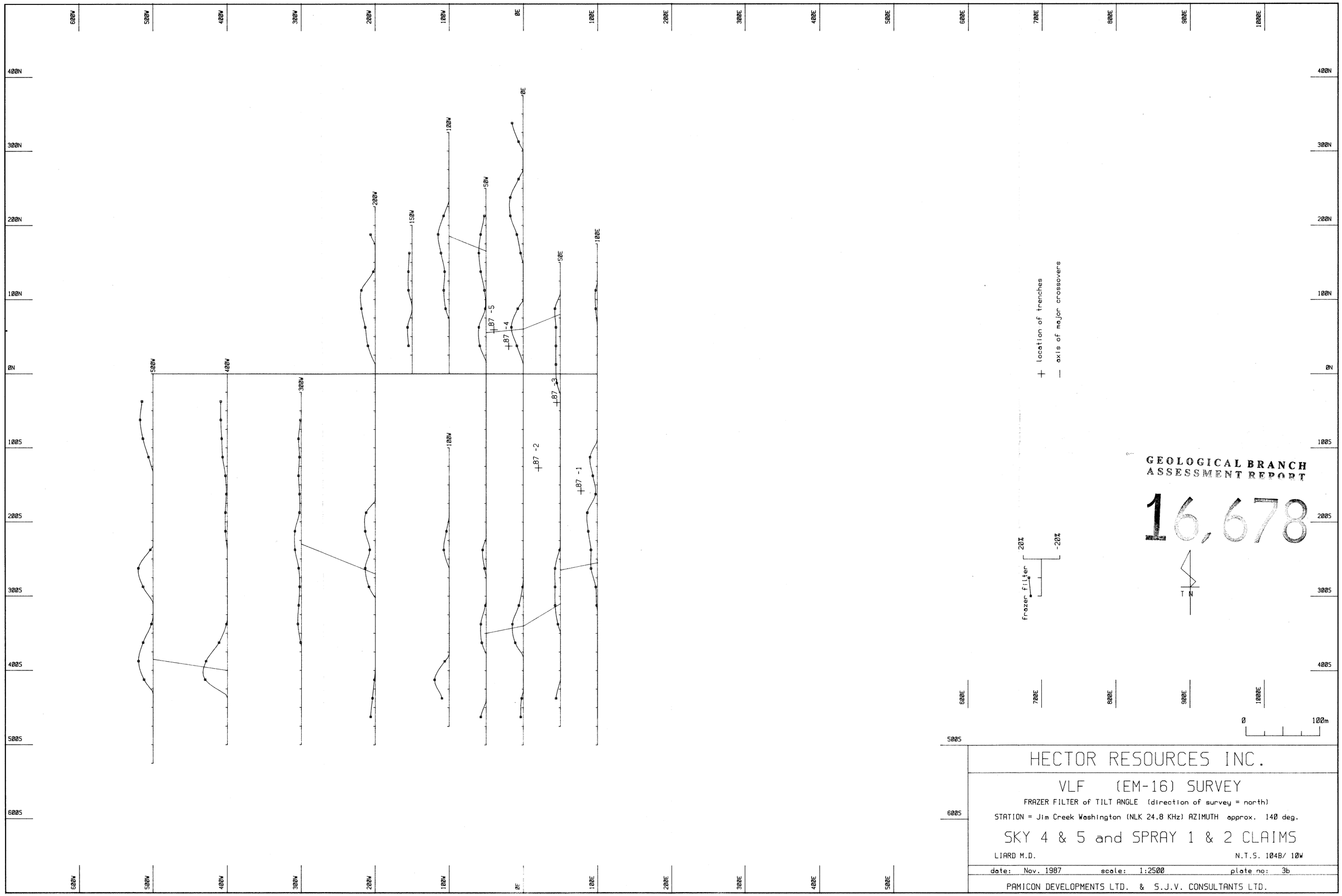
STATION = Jim Creek Washington (NLK 24.8 KHz) AZIMUTH approx. 140 deg.

SKY 4 & 5 and SPRAY 1 & 2 CLAIMS

LIARD M.D. N.T.S. 104B/ 10W

date: Nov. 1987 scale: 1:2500 plate no: 3a

PAMICON DEVELOPMENTS LTD. & S.J.V. CONSULTANTS LTD.



GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,678

HECTOR RESOURCES INC.

VLF (EM-16) SURVEY

FRAZER FILTER of TILT ANGLE (direction of survey = north)

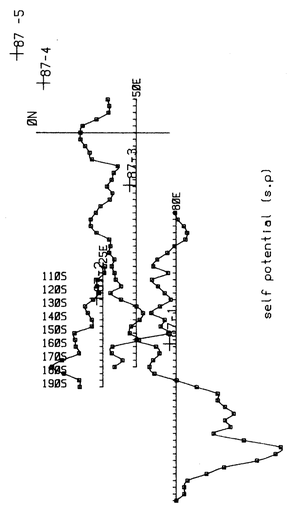
STATION = Jim Creek Washington (NLK 24.8 KHz) AZIMUTH approx. 140 deg.

SKY 4 & 5 and SPRAY 1 & 2 CLAIMS

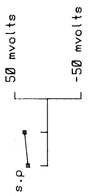
LIARD M.D. N.T.S. 104B/ 10W

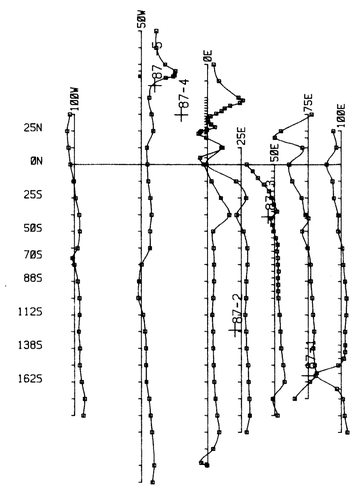
date: Nov. 1987 scale: 1:2500 plate no: 3b

PAMICON DEVELOPMENTS LTD. & S.J.V. CONSULTANTS LTD.



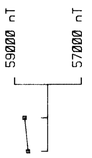
self potential (s.p)

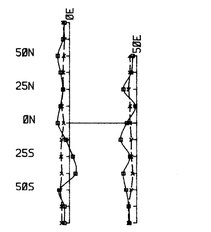




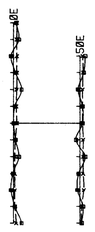
magnetometer

GM122 proton precession
vertical field

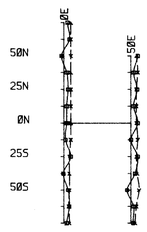




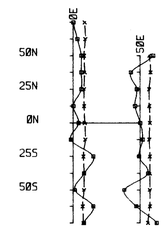
ip 3555-444 Hz op 3555 Hz



ip 1777-444 Hz op 1777 Hz

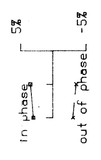


ip 888-444 Hz op 888 Hz

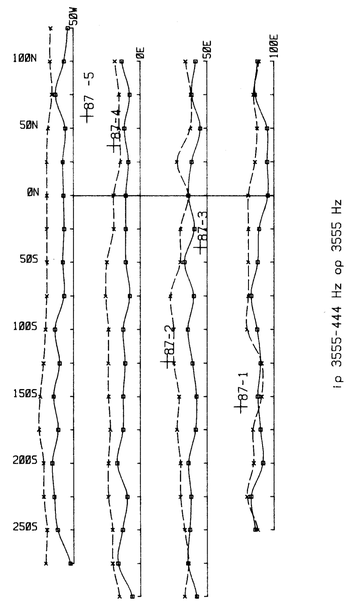


ip 444 Hz op 444 Hz

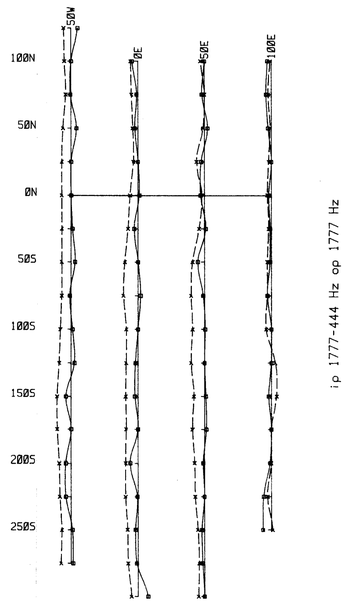
50m coil separation



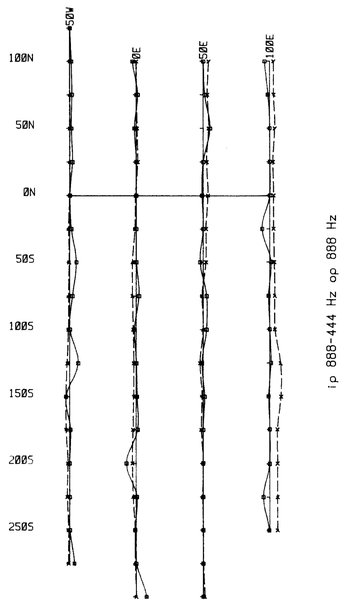
+ location of trenches



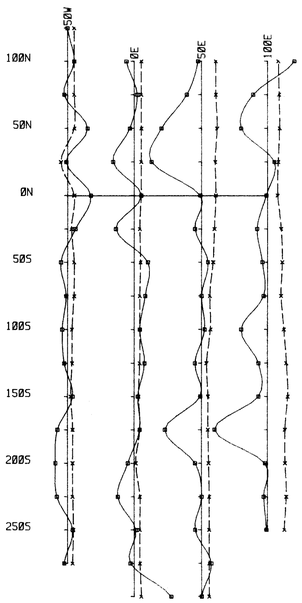
ip 3555-444 Hz op 3555 Hz



ip 1777-444 Hz op 1777 Hz



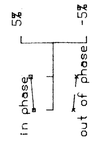
ip 888-444 Hz op 888 Hz

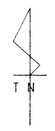


ip 444 Hz op 444 Hz

100m coil separation

horizontal loop (max-min)





0 100m

HECTOR RESOURCES INC.

HLEM (MAX-MIN) , S.P and MAGNETOMETER

TEST SURVEY

SKY 4 & 5 and SPRAY 1 & 2 CLAIMS

LIARD M.D. N.T.S. 104B/ 10W

date: Nov. 1987 scale: 1:2500 plate no: 4a

PAMICON DEVELOPMENTS LTD. & S.J.V. CONSULTANTS LTD.

6283000N

6282000N

6281000N

6280000N

SKY 4

SKY 5

SPRAY 1

SPRAY 2

1182·9

866·

212·8

TR87-5

TR 87-4

TR87-3

TR 87-1

TR87-2

GOLDEN SPRAY VEIN

GOLDEN SPRAY ZONE

LEGEND

- 1 ANDESITE AGGLOMERATE
- 2 GREYWACKE-WITH INTERBEDDED SILTSTONE
- OUTCROP
- GEOLOGICAL CONTACT
- FAULT
- QUARTZ VEIN ATTITUDE; INCLINED, VERTICAL
- FRACTURES; INCLINED, VERTICAL
- BEDDING
- SNOWFIELD

SCALE 1:5000

m 0 100 200 300 400 500 m

HECTOR RESOURCES INC.

SKY 4 & 5,
SPRAY 1 & 2 CLAIMS

PROPERTY GEOLOGY MAP

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

DRAWN.	NTS.	DATE.	FIGURE.
J.W.	104 B/10 W	DEC. 1987	4

6283000N

6282000N

6231000N

6280000N

SKY 4

SKY 5

SPRAY 1

SPRAY 2

GOLDEN SPRAY

GOLDEN SPRAY ZONE

TR 87-1

TR87-2

TR87-3

TR87-4

TR87-5

X 12487 = 900 ppb Au

X 12686 = 930 ppb Au

X 12685 = 110 ppb Au

X 12684 = 450 ppb Au

X 12680 = 100 ppb Au

X 12693 = 480 ppb Au / 24.9 ppm Ag / 11.337 ppm Pb / 12.701 ppm Zn

X 12692 = 0.198 oz/t Au

X 15342 = 80 ppb Au

X 15360 = nd

X 13362 = 0.005 oz/t Au

LEGEND

1 — ANDESITE AGGLOMERATE

2 — GREYWACKE-WITH INTERBEDDED SILTSTONE

OUTCROP

GEOLOGICAL CONTACT

FAULT

QUARTZ VEIN ATTITUDE, INCLINED, VERTICAL

FRACTURES; INCLINED, VERTICAL

BEDDING

X ROCK CHIP LOCATION SITE

SNOWFIELD

SCALE 1:5000

m 0 100 200 300 400 500 m

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,678

HECTOR RESOURCES INC.

SKY 4 & 5, SPRAY 1 & 2 CLAIMS
ROCK CHIP LOCATION MAP

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

DRAWN.	N.T.S.	DATE.	FIGURE.
J.W.	104 B/10W	DEC. 1987	14

5+00W. | 4+00 W. | 3+00 W. | 2+00 W. | 1+00 W. | 0+00 | 1+00E. | 2+00 E | 3+00 E | 4+00 E. | 5+00 E.

4+00 N.

3+00 N.

2+00 N.

1+00 N.

BASELINE 0+00

1+00 S.

2+00 S.

3+00 S.

4+00 S.

5+00 S.

GOLDEN SPRAY VEIN

N

LEGEND

- SOIL SAMPLE LOCATION
- ⊙ 60- 144 ppm Cu
- ● >144 ppm Cu

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,678

SCALE 1:2000
m 0 50 100 150 m

HECTOR RESOURCES INC.

SKY 4 & 5, SPRAY 1 & 2 CLAIMS

GOLDEN SPRAY ZONE

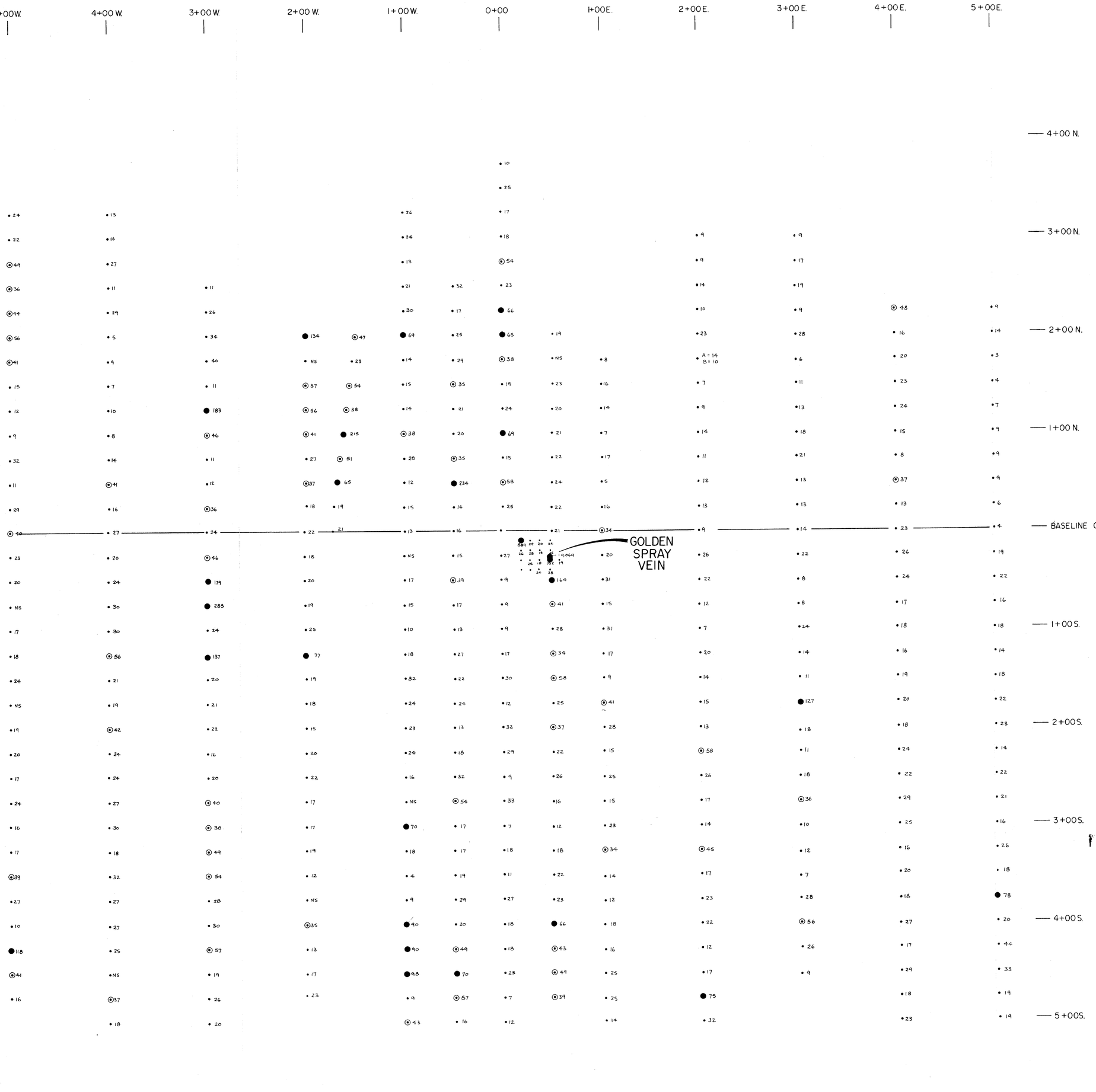
SOIL GEOCHEM. MAP

COPPER PPM

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

Drawn.	N.T.S.	Date	FIGURE.
V.H. & J.W.	104B/10W.	Nov. 1987	6



LEGEND

- SOIL SAMPLE LOCATION
- ⊙ 34-64 ppm As
- ● >64 ppm As

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,678

SCALE 1:2000
m 0 50 100 150 m

HECTOR RESOURCES INC.

SKY 4 & 5, SPRAY 1 & 2 CLAIMS

GOLDEN SPRAY ZONE
SOIL GEOCHEM. MAP
ARSENIC PPM

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

Drawn.	N.T.S.	Date	FIGURE.
V.H. & J.W.	104B/10W.	Nov. 1987	7

1+00W. 0+50W. 0+00 0+50E. 1+00E.

1+00N.

0+50N.

B/L 0+00

0+50S.

1+00S.

2+00S.

3+00S.

H-HM-9 200 ppb Au
2.2 ppm Ag
110 ppm As
127 ppm Cu
178 ppm Pb
612 ppm Zn

D.D.H. 87-15 (-65° ⊢ 215°)
D.D.H. 87-14 (-45° ⊢ 215°)

TRENCH 87-5

NORTH ZONE

D.D.H. 87-13 (-60° ⊢ 236°)
D.D.H. 87-12 (-45° ⊢ 236°)

TRENCH 87-4A

Laminated greywacke/siltstone

CREEK ZONE

DISCOVERY ZONE
16388 = 270 ppb Au

D.D.H. 87-11 (-55° ⊢ 235°)
D.D.H. 87-10 (-65° ⊢ 202°)
D.D.H. 87-9 (-50° ⊢ 197°)

16136 = 1160 ppb Au
16135 = 1980 ppb Au
16134 1330 ppb Au
16133 = 855 ppb Au

D.D.H. 87-6 (-65° ⊢ 207°)
D.D.H. 87-5 (-55° ⊢ 207°)
D.D.H. 87-8 (-50° ⊢ 240°)
D.D.H. 87-7 (-45° ⊢ 155°)
D.D.H. 87-4 (-45° ⊢ 207°)

1251 = 5 ppb Au
10,032 ppm Pb
31,165 ppm Zn

1252 = <5 ppb Au
3019 ppm Pb
9534 ppm Zn

1253 = 45 ppb Au
4203 ppm Pb
34,756 ppm Zn

16399 = <5 ppb Au
4203 ppm Pb
12,498 ppm Zn

MAIN ZONE
GOLDEN SPRAY VEIN

TRENCH 87-3

16398 = 300 ppb Au
56.7 ppm Ag
162 ppm As

16397 = 410 ppb Au
43.5 ppm Ag
840 ppm As
693 ppm Zn

SADDLE ZONE

TRENCH 87-2

12663 = 80 ppb Au
QV + Py boulder

MEADOW ZONE

TRENCH 87-1

1237 = 0.019 oz/t Au,
2.14 oz/t Ag,
7.03 % Cu

H-HM-8 = 25 ppb Au

BLASTED PIT
16217 = 0.096 oz/t Au
16218 = 0.035 oz/t Au
Grab samples after blasts of limonitic quartz vein with pyrite

16131 = 0.235 oz/t Au
1236 = 0.202 oz/t Au, 2.99 oz/t Ag

D.D.H. 87-1 (-45° ⊢ 012°)
D.D.H. 87-2 (-60° ⊢ 012°)
D.D.H. 87-3 (-70° ⊢ 012°)

LEGEND

- 1 — ANDESITE AGGLOMERATE
- 2 — GREYWACKE – WITH INTERBEDDED SILTSTONE
- QUARTZ VEINS ± LIMONITE ALTERATION ± SULPHIDES
- TRENCH
- O — DRILL HOLE
- A A' — DRILL HOLE SECTION LINE
- OUTCROP
- FAULT
- QUARTZ VEIN ATTITUDE; INCLINED, VERTICAL
- FRACTURES; INCLINED, VERTICAL
- BEDDING
- X — ROCK CHIP OR HEAVY MINERAL CONCENTRATE SAMPLE SITE LOCATION

16,678

SCALE 1:500
m 0 5 10 20 30 40 m

HECTOR HESOURCES INC.

SKY 4 & 5, SPRAY 1 & 2 CLAIMS
GOLDEN SPRAY ZONE

GEOLOGICAL MAP

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

DRAWN.	N.T.S.	DATE.	FIGURE.
J.W.	104 B/10 W	NOV. 1987	4A

5+00W. | 4+00W. | 3+00W. | 2+00W. | 1+00W. | 0+00 | 1+00E. | 2+00E. | 3+00E. | 4+00E. | 5+00E.

4+00 N.

3+00 N.

2+00 N.

1+00 N.

BASELINE 0+00

1+00 S.

2+00 S.

3+00 S.

4+00 S.

5+00 S.

GOLDEN SPRAY VEIN

LEGEND

- SOIL SAMPLE LOCATION
- ⊙ 20 – 39 ppb Au
- ● >40 ppb Au

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,678

SCALE: 1: 2000
m 0 50 100 150 m

HECTOR RESOURCES INC.

SKY 4 & 5, SPRAY 1 & 2 CLAIMS

GOLDEN SPRAY ZONE

SOIL GEOCHEM. MAP

GOLD PPB

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

Drawn.	N.T.S.	Date	FIGURE.
V.H. & J.W.	104B/10W.	Nov. 1987	5