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07/88

GEOLOGICAL REPORT  
ON THE  
HEDLEY PROJECT

Located in the  
Osoyoos Mining Division  
British Columbia  
NTS 92H/8E  
120°02' West Longitude  
49°20' North Latitude

- Prepared for -

AVENUE RESOURCES LTD.

- Prepared by -

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16,400

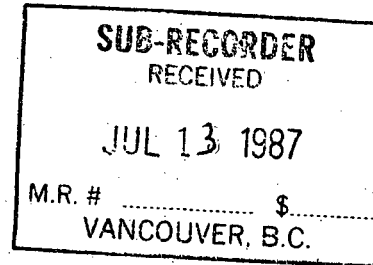
GEOLOGICAL BRANCH  
ASSESSMENT REPORT

May, 1987

FILMED

GEOLOGICAL REPORT on the HEDLEY PROJECT

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## 1.0 INTRODUCTION

The Hedley project is located near Hedley, on the east side of the Similkameen River, in southern British Columbia (Figure 1). Pamicon Developments Limited was requested by Avenue Resources Ltd. to conduct an exploration program consisting of geological mapping, prospecting, rock chip and soil sampling followed by a trenching program.

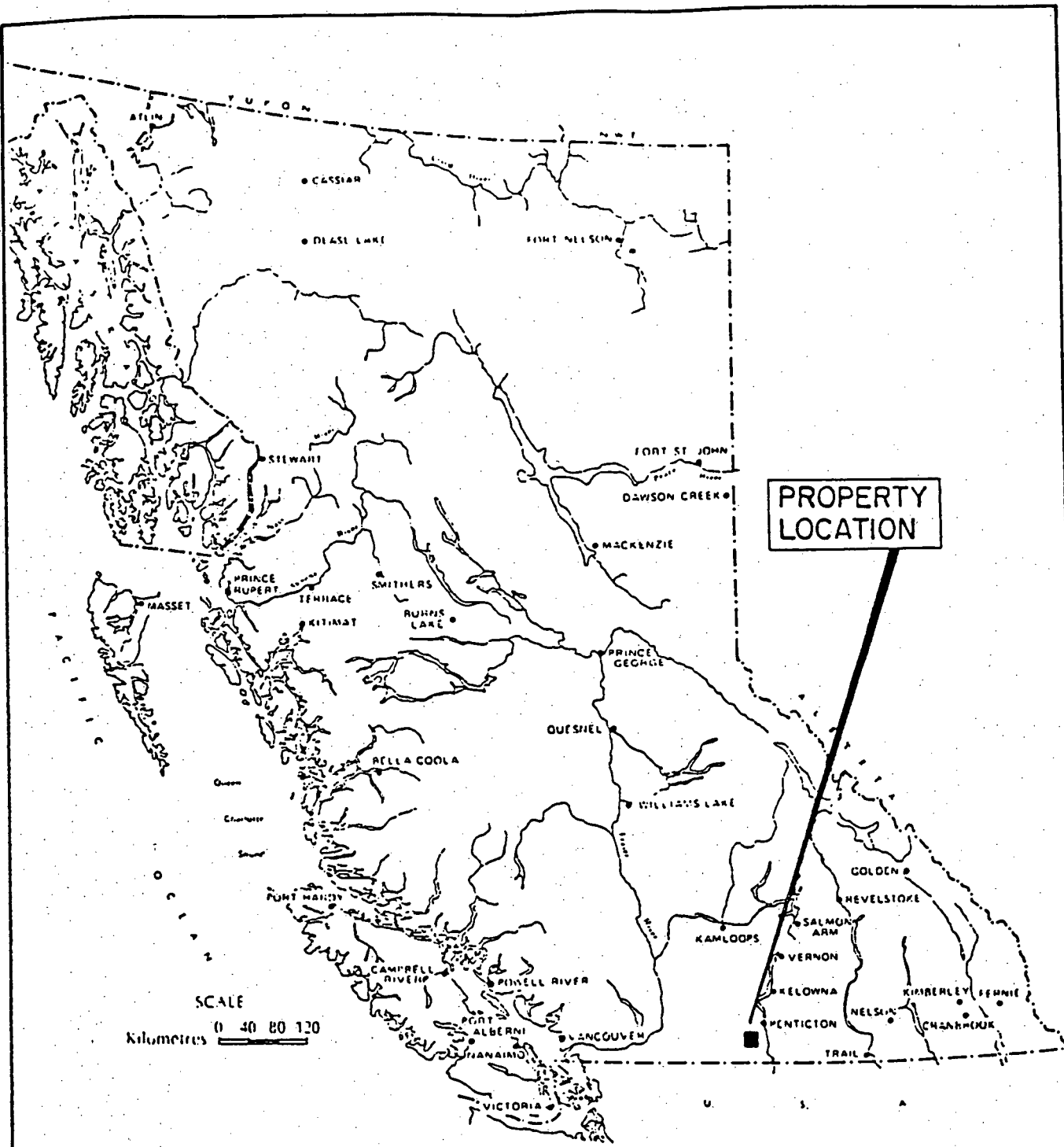
A total of 199 rock chip and 356 soil samples were collected for analysis. Five trenches were excavated using a track mounted excavator and five trenches were blasted using explosives. Six man-days were spent defining the Sweden Reverted Crown Grant claim block.

Two favourable areas of mineralization have been found on the property to date. The 1987 field work established that previous mapping had incorrectly marked the extent of the Avenue Resources claim boundaries in the area of the Reverted Crown Grants surrounding the Sweden claim. Mapping has indicated this area to be of favourable geological interest as one of the district's most important units; the limestone boulder Copperfield Conglomerate is confined within this area. Three mineralized skarn zones have been located within the conglomerate. A previously unreported 5 metre shaft is sunk within one of these zones displaying massive magnetite with pyrite, chalcopyrite, pyrrhotite and arsenopyrite.

On the Stag fraction, massive pyrrhotite with arsenopyrite and chalcopyrite have produced assays ranging up to 0.515 ounces gold per ton.

## 2.0 LIST OF CLAIMS

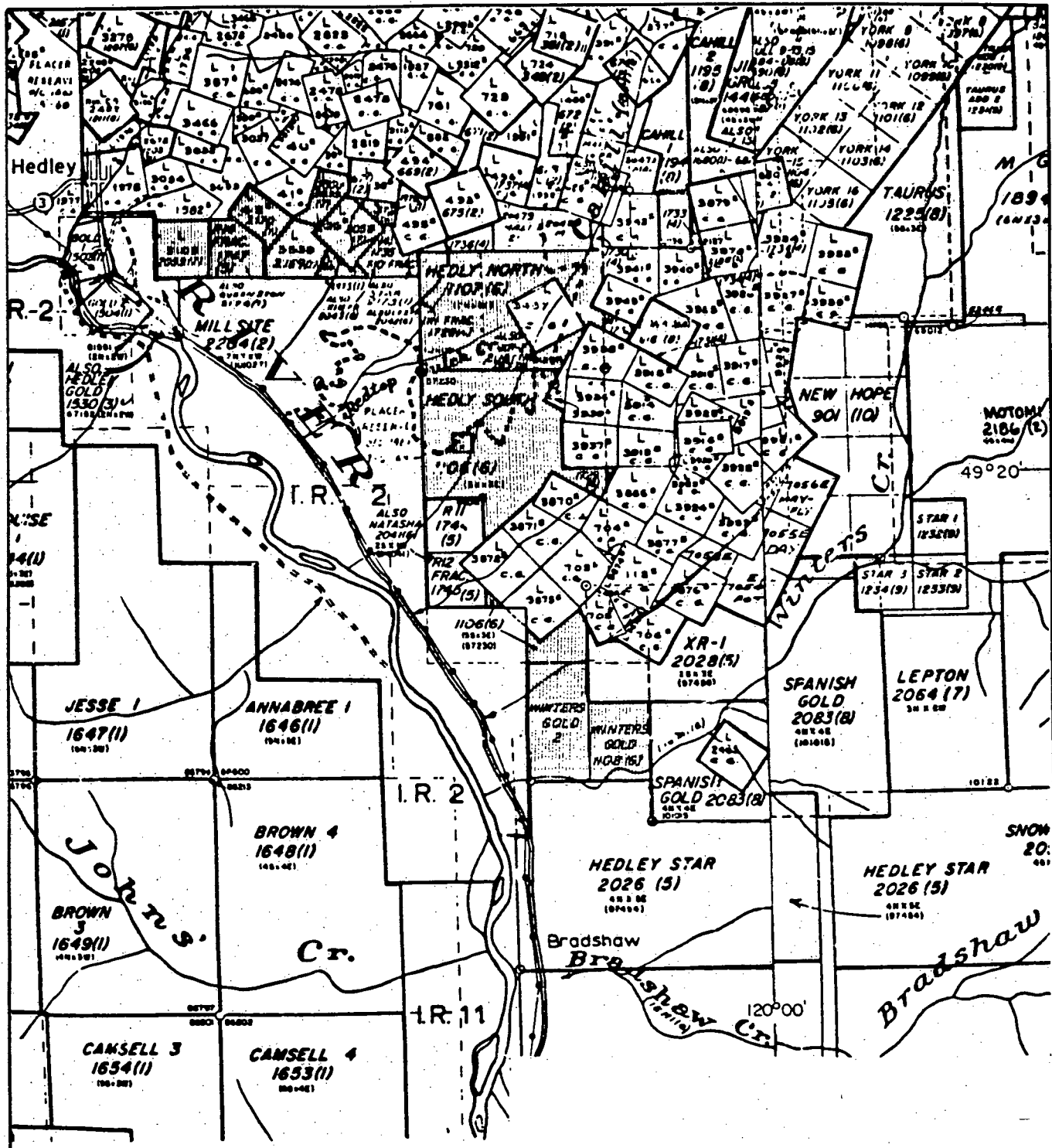
Records of the British Columbia Ministry of Energy, Mines and Petroleum Resources indicate that the following claims (Figure 2) are owned by K. George. Separate documents indicate the claims are under option to Avenue Resources Ltd.



SCALE  
 Kilometres 0 40 80 120



<p>AVENUE RESOURCES LTD.</p>			
<p>HEDLEY PROJECT  <b>LOCATION MAP</b></p>			
<p>OSOYOOS MINING DIVISION          HEDLEY, BRITISH COLUMBIA</p>			
<p>PAMICON DEVELOPMENTS LTD.</p>			
Drawn	J.W.	Date	NTS. May 1987
			Fig. No. 1.



SCALE 1:50,000



AVENUE RESOURCES LTD.			
HEDLEY PROJECT CLAIM MAP			
OSOYOOS MINING DIVISION HEDLEY, BRITISH COLUMBIA			
PAMICON DEVELOPMENTS LTD.			
Drawn	J.W.	Date.	May 1987
	N.T.S.		Fig. No. 2

<u>Claim Name</u>	<u>Record No.</u>	<u>Lot No.</u>	<u>Anniversary</u>	<u>Area</u>
Hedly North	2271		14 July/88	6 units
Hedly South	2272		14 July/88	15 units
Winters Gold	2273		14 July/88	4 units
Winters Gold 2	2389		6 Mar/87	4 units
Queenston Fr.	2174	3103	21 Jan/88	4 units
Star Fr.	2173		14 July/88	1 unit
Redtop	2058	36S	13 July/88	20.61 ha
Powell	2059	3102	13 July/88	20.90 ha
Norfolk Fr.	2060	3539	13 July/88	11.86 ha
Tower Fr.	2375	37S	3 Feb/88	5.09 ha
Victor Fr.	2377	35S	3 Feb/88	3.16 ha
Sweden Fr.	2371	42S	22 Jan/88	15.24 ha
Stag Fr.	2370	3538	22 Jan/88	18.18 ha

The Hedly North, Hedly South, Winters Gold 2 and Winters Gold Legal Corner Posts were all located by the author. Within the Reverted Crown Grant claim, time only permitted locating the eastern Sweden corner post where it intersects with Mascot Gold Mines' Pinnacle Crown Grant claim block. Remaining Reverted Crown Grant boundaries were assumed from this point.

### 3.0 LOCATION, ACCESS AND PHYSIOGRAPHY

Terrain within the claim area consists generally of steep topographic relief. Elevations vary from 550 metres to over 1500 metres. Fir, spruce and pine cover the majority of the claim area.

Coordinates of the property are 120°02' west longitude and 49°20' north latitude.

The Hedley project claim group adjoins the Chuchuwayha No. 2 Indian Reserve immediately to the east of the Reserve boundary beginning approximately 500 metres east of the Hedley Townsite. The claims continue to the east and

south along the Reserve boundary to Winters Creek excluding the French Mine Crown Grants.

Access to the central reaches of the property is attained via the old Nickel Plate gravel road two kilometres south of Hedley which passes through the Avenue Resources property and continues on up to the Mascot Gold Mine and further to Apex Mountain and Penticton. Two roads branching off the Nickel Plate road to the south toward the French Mine provide access to the Hedly South, Winters Gold 2 and Winters Gold claims. Access to these claims is also attainable just 200 metres east of Provincial Highway No. 3. Immediately north of the Hedly North claim, a road branching west off the Nickel Plate road adjacent to the Mascot Gold Mine tailings pond provides access to the northern reaches of the Avenue Resources ground and leads toward the Central Station Cabin and the Sweden Reverted Crown Grant. This road is quite narrow and road banks drop off quite steeply to the west.

#### 4.0 AREA HISTORY

Earliest recorded work in the area saw placer gold mining during the 1860s. This work led to the discovery of the rich lode gold deposits near Nickel Plate Mountain in 1897. Since these initial discoveries, several other mines have seen limited production.

<u>Mine</u>	<u>Ore</u> (tons)	<u>Gold</u> (ounces)	<u>Silver</u> (ounces)
Nickel Plate- Hedley Mascot 1904-1963	3,967,350	1,556,759	188,725
French (Oregon) 1950-1955 1957-1961 Jan-Apr 1983	79,127	51,928	3,993



<u>Mine</u>	<u>Ore</u> (tons)	<u>Gold</u> (ounces)	<u>Silver</u> (ounces)
Canty 1939, 1941	1,483	530	N/A
Good Hope 1946-1948 1982	9,231	5,298	N/A

The Victoria Mine, located 500 metres east of the Winters Gold claim, hosts low gold values associated with chalcopyrite and pyrrhotite in a 2 to 66 cm wide quartz vein.

Recent activity in the area has seen Mascot Gold Mines bring their \$70 million open pit mine into production in 1987. Recent figures indicate proven ore reserves of 8.3 million tons grading 0.14 ounces of gold per ton. In addition to these open pit reserves, underground drilling from within old mine workings has indicated a further two million tons grading 0.16 ounces gold per ton below the proposed open pit. Mascot is also presently drilling the Canty Mine in an attempt to define reserves.

## 5.0 REGIONAL GEOLOGY

The Hedley region lies within the Intermontane Belt of the Canadian Cordillera. The area is predominantly underlain by a 1000 to 2000 metre thick sequence of deformed, sedimentary and volcanoclastic rocks belonging in part to the Upper Triassic Nicola Group (Figure 3). These units in turn are intruded by sills, dykes and plutons of mid-Jurassic to Tertiary age granodiorite, diorite and gabbro.

The oldest rocks exposed in the area are found to the southeast and east of Winters Creek. Mississippian to Lower Triassic oceanic sediments and volcanics consisting of deformed cherts, argillites, tuffaceous siltstones, greenstones and minor limestones represent a back-arc marginal basin assemblage grouped into the Apex Mountain group.



<b>AVENUE RESOURCES LTD.</b>			
<b>HEDLEY PROJECT</b>			
<b>REGIONAL GEOLOGY MAP</b>			
OSOYOOS MINING DIVISION HEDLEY, BRITISH COLUMBIA			
<b>PAMICON DEVELOPMENTS LTD.</b>			
Drawn J.W.	N.T.S.	Date. May 1987	Fig. No. 3

## LEGEND

### QUARTZ PORPHYRY



### SIMILKAMEEN INTRUSIONS



*Granodiorite, granite (c. 150 Ma)*

### HEDLEY INTRUSIONS



*Diorite, Gabbro (c. 180 Ma)*

### ROCKS OF UNCERTAIN AGE



*Dacitic and andesitic tuffs  
(Units B and C)*

### UPPER TRIASSIC — WHISTLE CREEK SEQUENCE



*Tuff, volcanic breccia, siltstone  
(Unit A)*



*Copperfield conglomerate — limestone boulder  
conglomerate*

### UPPER TRIASSIC — HEDLEY SEQUENCE



*Siltstone, argillite, minor limestone and conglomerate*



*Sunny side  
Limestone*

### PALEOZOIC — APEX MOUNTAIN GROUP



*Argillite, chert, greenstone tuff, minor limestone*

## GOLD BEARING PROPERTIES

LOCATION NO.	NAME AND MINFILE NO.
1.	NICKEL PLATE AND MASCOT MINE (92 H / SE - 38, 36)
2.	FRENCH MINE (92 H / SE - 59)
3.	CANTY MINE (92 H / SE - 64)
4.	GOOD HOPE MINE (92 H / SE - 60)
5.	BANBURY GOLD MINE (92 H / SE - 46)
6.	PEGGY / HEDLEY AMALGAMATED (92 H / SE - 66)
7.	GOLD HILL (92 H / SE - 54)

The Nickel Plate Mine area between Winters Creek and Whistle Creek has been informally separated into a younger Whistle Creek sequence (700 to 1200 metres) to the west and an older Hedley sequence (700 metres) to the east. In the Hedley area, the majority of gold mineralization has been won from ore deposits within the Hedley sequence. Unlike most areas, Nicola group rocks in the district are composed mainly of sediments, with only minor components of volcanics. In the Hedley sequence, thin-bedded calcareous and cherty turbiditic siltstones, black argillites and impure limestone beds are present within the Hedley sequence. Toward the top of the sequence, fine-grained volcanoclastics and crystal tuff material may be found. Important to ore localization is the "Sunnyside limestone" which attains thicknesses of individual beds up to 100 metres. This unit is traceable over several kilometres between Hedley Township and Lookout Mountain. The "marble line" is a transitional zone within the Sunnyside limestone. The rocks generally dip to the west. As indicated by Nickel Plate Mine Geologists as early as the 1950s:

"The 'marble line' forms the outer edge of the skarn zone, being the transition zone between highly altered skarn and unaltered limestone. It ranges from 50 to 200 feet in width. All ore-bodies lie close to this zone, within a few hundred feet of the marble line, favouring competent skarn beds rather than limy or chert beds."

Stratigraphically above the Hedley sequence is the Whistle Creek sequence. In the lower portions, tuffaceous siltstones with rare argillites predominate while higher in the sequence, bedded to massive ash and lapilli tuffs with minor volcanic breccia exist.

The Whistle Creek and Hedley sequences are separated by the limestone boulder "Copperfield Conglomerate" which forms the most recognizable and important stratigraphic marker horizon in the district. To date in the Nickel Plate Mine area, most major ore deposits have been found below the Copperfield Conglomerate. The thickness of the unit varies from 10 to 200

metres. It is well developed south of Lookout Mountain (100 metres) and just south of the old Nickel Plate Mine tramway near the Central Station Cabin on the Sweden Reverted Crown Grant. The conglomerate is characterized by abundant, well-rounded to angular pebbles, cobbles, and boulders of limestone generally up to 1 metre in diameter.

The Pinto Formation is a limestone boulder conglomerate of possibly similar origin as is the Copperfield Conglomerate. This unit hosts the French Mine mineralization. Pinto Formation conglomerate is also located just east of the Avenue Resources property, 1400 metres north-northeast of the French Mine.

The area is intruded by three various suites of rocks. The oldest is Middle Jurassic (170 to 190 million years) Hedley intrusions comprising massive, coarse-grained, often greenish, hornblende-bearing diorites, quartz diorites and minor gabbros. Sills and dykes up to 200 metres in thickness and stocks up to 1.5 kilometres in diameter are present. A majority of the gold-bearing skarn mineralization in the Nickel Plate gold camp has been found within and adjacent to many of these intrusions.

The Similkameen intrusions have been dated as Late Jurassic age (150 to 160 million years) and consist of coarse-grained, massive biotite + hornblende-bearing granodiorite. These usually form large plutons such as the Cahill Creek pluton between Winters Creek and Hedley Township and the Pennask pluton northwest of Hedley. Country rocks adjacent to the Similkameen intrusions usually exhibit some hornfelsing as well as minor skarn alteration but to date gold mineralization has been negligible.

Several roof pendants of hornfelsed, sedimentary and tuffaceous rocks are present in the Cahill Creek pluton. The French Mine is situated within one of these pendants. Gold-bearing skarn mineralization occurs in the Pinto Formation which is a limestone boulder conglomerate closely resembling the Copperfield Conglomerate.

The youngest intrusive suite is composed of a fine-grained, felsic, quartz-bearing porphyry that cuts and postdates the Cahill Creek pluton.

## 6.0 LOCAL GEOLOGY

The subject property is underlain by Paleozoic to Late Triassic metamorphosed Apex Mountain group rocks in the southeast corner near Winters Creek. Late Triassic to Jurassic (?) Hedley and Whistle Creek sequences are found in the northwest (including the Copperfield Conglomerate and Sunnyside limestone). Middle Jurassic Hedley intrusions as hornblende porphyry sills cut the Late Triassic and younger sequences. Middle to Late Jurassic Similkameen intrusions as the Cahill Creek pluton and dyke separate the Apex Mountain group and Hedley sequences (Figure 4).

### 6.1 APEX MOUNTAIN GROUP (Unit 1)

The Apex Mountain group is composed of Paleozoic and Triassic deformed greenstones, tuffaceous siltstones, argillites, quartzites, cherts and minor limestones. Sulphides as pyrite and pyrrhotite are present in only minor amounts, except locally in small shear zones.

### 6.2 HEDLEY SEQUENCE

#### 6.2.1 Red Top Formation (Unit 2)

Rocks of the Red Top Formation consist predominantly of grey to black, thin-bedded, calcareous and cherty siltstones and argillites. A thin poly-mictic pebble conglomerate composed largely of chert, siltstone and argillite fragments up to 3.0 cm in a chert matrix is interbedded with limestone + marble at the base of formation near the North and South Corral trenches in close proximity to the northern boundary of the Cahill Creek pluton.

Bedding generally strikes northeasterly with a 20 degree to 50 degree dip to the northwest. When in contact with members of the Hedley intrusions, bedding is usually distorted to varying degrees.

Sulphides as pyrrhotite + pyrite + chalcopyrite occur as disseminations from 1 to 5% throughout the siltstone, argillite and chert.

Alteration ubiquitously consists of calcium-carbonate and silicification with pyrrhotite + pyrite. Locally, in the Corral trenches, epidote with minor clay is seen in the altered sediments and occasionally recrystallized limestone.

#### 6.2.2 Sunnyside Formation (Unit 3)

The Sunnyside Formation consists almost entirely of grey, massive limestone forming individual beds 75 to 100 metres in thickness. Minor argillite, siltstone and chert beds are located at the base of the sequence. Bedding strikes northeasterly and dips 20 to 40 degrees to the northwest.

Sulphides as pyrrhotite, chalcopyrite and arsenopyrite occur in skarn zones associated with Hedley intrusions.

#### 6.2.3 Hedley Formation (Unit 4)

Rocks of the Hedley Formation consist of turbiditic siltstone with argillite, chert, thin-bedded limestone and fine-grained volcanoclastic and crystal tuff material. Bedding strikes northeasterly and dips modestly to the northwest.

Alteration consists predominantly of calcium-carbonate, silicification and locally iron-carbonate.

Sulphides consist of disseminated pyrrhotite.

### 6.3 WHISTLE CREEK SEQUENCE

#### 6.3.1 Copperfield Conglomerate (Unit 5)

The Copperfield Conglomerate is exposed in the Sweden Reverted Crown Grant along a strike length of 250 metres. It attains a thickness of at least 25 to 50 metres.

The unit is composed of well-rounded to angular pebbles, cobbles, and boulders of limestone generally up to 1 metre in diameter. Some of the larger boulders exhibit soft sediment deformation.

Alteration locally in the Copperfield Conglomerate can be found in skarn zones where recrystallized limestone fragments are hosted in a garnetite matrix. Sulphides occur as disseminations, fracture fillings, blebs and massive sulphide. Minerals observed include pyrrhotite, chalcopyrite, pyrite, arsenopyrite, galena, sphalerite, magnetite, garnet and calcite.

In the vicinity of the Sweden Shaft, the Copperfield Conglomerate can be identical in appearance to the Pinto Formation.

#### 6.3.2 Whistle Creek Formation (Unit 6)

The Whistle Creek Formation is observed to the east of the property and within a roof pendant hosting the French Mine. Rocks consist of andesite ash tuff, tuffaceous siltstone, andesite lapilli tuff, argillite, siltstone and thin-bedded limestone.

### 6.4 INTRUSIVE ROCKS

#### 6.4.1 Hedley Intrusions (Unit 7)

On the property, the Hedley intrusions consist of hornblende-porphyrific sills and dykes. They are most likely gabbro to diorite in composition.



The hornblende phenocrysts vary in size from 1 to 15 mm. Plagioclase crystals up to 5 mm are also visible. The rock is generally a medium to dark green-grey colour.

The sills almost always occur along sedimentary bedding planes predominantly in the area of the Reverted Crown Grants. Often along the contacts of these sills with the adjacent rocks is a narrow zone of silicification up to 1 metre wide which usually hosts 1 to 15% disseminated and patchy blebs of pyrrhotite up to 1.5 cm in diameter.

The hornblende porphyry sills are stacked in such a fashion that they appear en echelon.

#### 6.4.2 Similkameen Intrusions (Unit 8)

On the property, the Cahill Creek pluton represents the Similkameen intrusions. The pluton occupies the majority of the Hedly North, Hedly South and Winters Gold 2 claim blocks. A dyke-like apophysis from the pluton projects across the eastern Stag and western Norfolk fractions of the Reverted Crown Grants. The intrusions consist of coarse, massive, biotite + hornblende-bearing granodiorite.

The granodiorite is barren of any mineralization.

#### 7.0 1987 FIELD WORK

A total of 356 soil samples and 199 rock chip samples were taken during April 14 to May 6, 1987 on the Avenue Resources Ltd. Hedley project (Figures 5 and 6). Following completion of the geological mapping, prospecting and sampling program, five trenches using a track mounted excavator contracted to Brenpar Construction Ltd. of Penticton, B.C. were excavated in areas of accessibility on the property (Figures 7 to 11). Fifty-one rock chip samples were collected from these trenches. In areas of less

amenable access, five additional trenches were blasted using a Punjar drill plugger and explosives. Twenty-four rock chip samples were taken in these trenches.

## 8.0 MINERALIZATION

### 8.1 PICK-AXE ZONE

The Pick-Axe Zone is located at an elevation of 1110 metres in the east central area of the Stag fraction within the Reverted Crown Grants. The showing is within Red Top Formation siltstone, argillite, chert and limestone interbeds. These rocks are in immediate contact with a granodiorite dyke-like apophysis of the Cahill Creek pluton. An abandoned pit 2 metres square by 3 metres deep exposes this contact (Figure 12).

Massive sulphide mineralization was discovered outside the pit and below the dump while sampling the area. Initial sampling from the pit area produced the following results presented in Table 1.

The gold-bearing massive sulphide mineralization was subsequently blasted to a depth of 1.3 metres below its original surface and exposed to a dimension of 2 metres in length by 1 metre wide. Three samples were obtained at continuous depths while blasting. Results are presented in Table 2 following.

ICP-30 element analysis indicates a strong relationship between gold mineralization and arsenic, bismuth, copper, iron and tungsten.

A small test soil geochemistry grid was sampled in the area of the Pick-Axe Zone (Figure 13). A total of 24 samples were collected along four compassed and chained lines over an approximate area 100 m x 200 m.



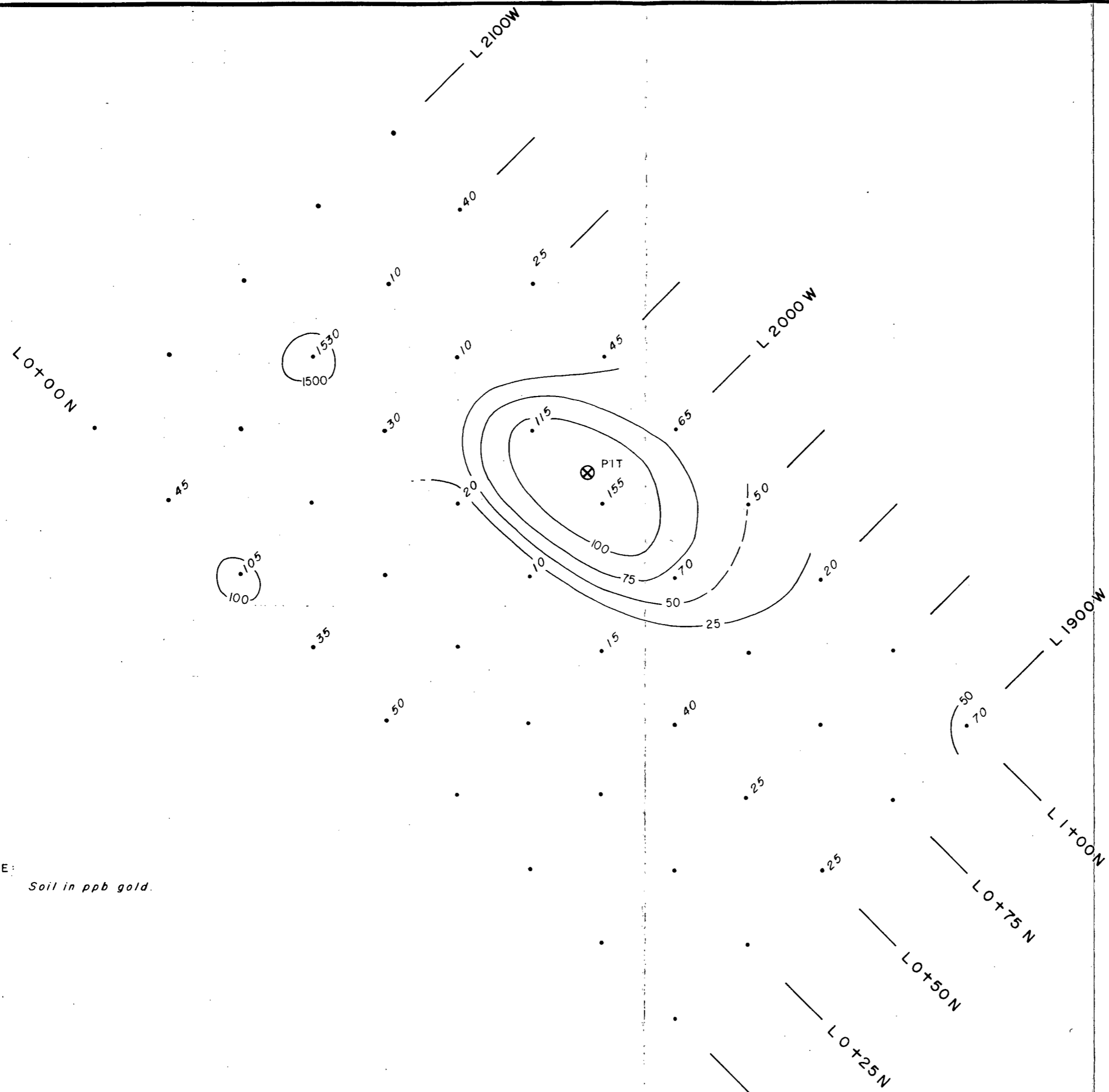
DUMP

OLD PIT  
(2m x 2m x 3m)

Massive  
Pyrrhotite  
Zone

Rock Hammer

AVENUE RESOURCES LTD			
HEDLEY PROJECT			
PICK-AXE ZONE			
HEDLEY, BRITISH COLUMBIA			
PAMICON DEVELOPMENTS LTD.			
Drawn	J.W.	N.T.S.	Date. May - 1987
			Fig. No. 12

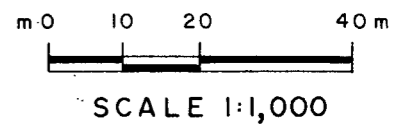


NOTE:  
Soil in ppb gold.



**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

# 16,400



AVENUE RESOURCES LTD.			
HEDLY PROPERTY PICK-AXE ZONE SOIL GEOCHEMISTRY HEDLEY, BRITISH COLUMBIA			
PAMICON DEVELOPMENTS LTD.			
Drawn	N.T.S. 92H-8E	Date. May 1987	Fig. No. 13

Table 1

Sample Number	Gold (oz/t)	Silver (ppm)	Arsenic (ppm)	Bismuth (ppm)	Copper (ppm)	Iron (%)	Tungston (ppm)	Width (m)	Location and Description
5338	0.336	2.9	317	294	861	7.5	262	2.0	pit east wall, of fault gouge material
5339	0.218	2.3	55	231	2,821	22.51	561	1.0	grab outside pit below dump, along massive pyrrhotite, with chalcopyrite and arsenopyrite
5340	0.120	4.7	1,685	83	4,580	10.00	558	1.0	pit north wall, of chert/granodiorite contact disseminated pyrr, asp, cpy

Table 2

Sample Number	Gold (oz/t)	Silver (ppm)	Arsenic (ppm)	Bismuth (ppm)	Copper (ppm)	Iron (%)	Tungston (ppm)	Depth (m)	Location and Description
1098	0.153	2.8	435	196	1,759	23.88	1,821	0.3	massive pyrr, cpy, asp, py
1099	0.204	4.1	611	326	3,592	20.64	840	0.75	massive pyrr, cpy, asp, py
1100	0.515	5.2	732	536	2,539	19.73	949	1.3	massive pyrr, cpy, asp, py with some chert

The lines occur on a moderate to steep southeasterly sloping hillside. Sample holes were generally up to 60 cm in depth in order to penetrate through a 50 to 100 cm thick talus-overburden cover.

All soil samples detected gold mineralization. Twenty of the 24 soils produced anomalous analyses greater than 20 ppb gold.

The value of greatest interest was obtained uphill from the main pit hosting the gold mineralization. The analysis is indicated below:

Sample Number	Gold (ppb)	Arsenic (ppm)	Copper (ppm)	Iron (%)	Zinc (ppm)	Silver (ppm)
H-345	1,530	3,710	159	6.08	364	3.7

## 8.2 COPPERFIELD ZONE

The Copperfield Zone is located within the Sweden Reverted Crown Grant between an elevation of 1150 and 1250 metres approximately 200 metres southwest of the Central Station Cabin. At present, the limestone boulder Copperfield Conglomerate, within which the zone is hosted, has a strike length of 250 metres. Hedley intrusions as hornblende-porphyrty sills occur as northeasterly trending sheets dipping shallowly to the northwest possibly within and below the Copperfield Conglomerate and within underlying interbedded chert, limestone, argillite and siltstone units.

To date, three skarn mineralized zones have been identified within the limestone boulder conglomerate - the Sweden Shaft, BK and Galena Pit Zones. Skarn consists of recrystallized limestone boulders set in a weak to strongly developed, medium green to brown garnetite matrix. Light grey to green chert also carries appreciable mineralization. Sulphide minerals consist of pyrrhotite, galena, chalcopyrite, arsenopyrite, pyrite and sphalerite. Gangue minerals are composed of garnet and calcite.

The Sweden Shaft Zone is located approximately 100 metres east from the western Sweden corner post at an elevation of 1200 metres. The shaft is 5 metres in depth. The zone is set on the cliffs directly overlooking the Town of Hedley. Within the shaft walls, pods of massive pyrrhotite with pyrite, chalcopyrite, arsenopyrite and garnet crystals were observed. Seven rock chip samples were collected both before and after a blasting program took place. Anomalous samples are listed below:

Sample Number	Gold (ppb)	Silver (ppm)	Arsenic (ppm)	Copper (ppm)	Iron (%)	Description
5360	755	1.2	2,775	95	3.09	dump grab, asp, cpy, pyrr, py, garnet
51771	420	1.7	201	262	7.13	shaft wall grab before blast, blood red altered skarn with pyrr, cpy
51772	40	0.5	300	433	2.97	shaft wall across 1.0 m of blood red altered skarn chert
51773	260	2.2	288	1,149	14.96	central shaft face, of pod of py, cpy, garnets - .3 x .3 m

A trench measuring 4.0 metres long by 1.0 metre wide, trending 010 degrees was blasted immediately to the east of the shaft. Three rock chip samples were collected from this area. A zone of massive magnetite (Sample 51775) located in the centre of the trench is 1.5 metres directly above the pod of pyrite, chalcopyrite and garnets seen in the shaft face (Sample 51773). This appears to be the same mineralized zone. Sample results are as follows:

Sample Number	Gold (ppb)	Silver (ppm)	Arsenic (ppm)	Copper (ppm)	Iron (%)	Description
51774	60	0.4	38	154	3.65	0.0 - 1.3 m: skarned chert with >5% pyrr + cpy + asp
51775	35	0.1	--	220	21.07	1.3 - 2.3 m: massive magnetite with 1% cpy
51776	60	0.1	43	74	2.41	2.3 - 4.0 m: skarned chert with >5% pyrr + cpy + asp

The BK Zone is 175 metres to the northwest from the Sweden Shaft along the strike of the Copperfield Conglomerate. Eight rock chip samples were collected from a mineralized skarn zone 20 metres x 40 metres in extent. Skarned chert and Copperfield Conglomerate host disseminated, fracture filling and patchy blebs of pyrrhotite, pyrite, galena, chalcopyrite, arsenopyrite and sphalerite. Gangue mineralogy consisted of calcite with garnet. The samples produced the following results:

Sample Number	Silver (ppm)	Copper (ppm)	Lead (ppm)	Zinc (ppm)
1092	4.6	99	1,925	621
1093	8.8	125	3,749	1,410
1094	4.5	75	3,403	1,074
1095	2.1	117	90	812
1096	2.1	70	640	920
1097	2.4	200	38	2,118

A trench 7.5 metres long x 1.0 metre wide trending 355 degrees was blasted near the centre of this zone. Eight rock chip samples were collected for analysis. Similar mineralization was observed producing anomalous silver, lead, copper and zinc values.

The Galena Pit Zone is 75 metres to the east-northeast from the BK Zone, again in the Copperfield Conglomerate. Eight rock chip samples were taken from the zone and pit, before and after blasting. Skarned chert hosts most



mineralization observed to date. Samples from this material produced the following results:

Sample Number	Gold (ppb)	Silver (ppm)	Lead (ppm)	Zinc (ppm)	Copper (ppm)
5346	--	6.9	11	19	36
5355	40	5.3	1,759	2,522	248
51761	75	1.2	9	43	242

### 8.3 BOUNDARY ZONE

The Boundary Zone is located 200 metres south of the Nickel Plate Mountain power line below the Central Station Cabin at an elevation of 1110 metres. The showing would appear to be just within the NE-SW trending Sweden claim boundary.

Initial mapping of the area produced two anomalous rock chip grab samples of mineralized material:

Sample Number	Gold (ppb)	Silver (ppm)	Copper (ppm)
0455	840	30.4	6,706
0456	50	.1	68

Follow-up prospecting and blasting within the zone produced the following mineralized samples:

Sample Number	Gold (ppb)	Silver (ppm)	Lead (ppm)	Copper (ppm)	Zinc (ppm)	Arsenic (ppm)	Strontium (ppm)
1075	--	13.9	5,660	343	4,044	41	24
1076	40	1.2	79	42	134	47	117
1077	40	0.9	34	60	33	132	420
1078	--	0.8	23	85	19	1,089	522
1085	60	0.9	18	127	26	148	345
1086	60	1.1	34	65	25	1,674	521
1089	10	1.1	25	46	9	6	384
1090	40	25.6	15,870	800	6,533	22	26
1091	--	3.4	2,923	64	2,141	68	28

Sample 1073 was collected near the western Sweden corner post approximately 75 metres southwest of the Boundary Zone. Sphalerite, galena, chalcopryrite and arsenopyrite were found in skarned Red Top Formation sediments.

Sample Number	Gold (ppb)	Silver (ppm)	Zinc (ppm)
1073	45	4.1	10,461

#### 8.4 G ZONE

The G Zone is at an elevation of 1280 metres in the south central area of the Norfolk fraction. Skarn garnetite and calc-silicate are developed within massive Sunnyside limestone. Several 2 to 4 metre thick hornblende-porphry sills lie stratigraphically down section approximately 25 metres. Disseminated arsenopyrite, pyrrhotite and chalcopryrite occur with garnets and calcite. Low gold values were reported in analyses.

### 8.5 RED TOP ZONE

The Red Top Zone is located near the common boundary of the Red Top and Victor fractions at an elevation of 1280 metres. Mineralized calc-silicate skarn within the Sunnyside limestone hosts arsenopyrite, pyrrhotite and chalcopyrite. Results of interest are as follows:

Sample Number	Gold (ppb)	Silver (ppm)	Arsenic (ppm)	Bismuth (ppm)	Strontium (ppm)
1061	500	0.6	6,514	29	811
1062	40	0.3	762	--	656
1063	--	1.6	1,550	--	256

### 8.6 HEDLY SOUTH, WINTERS GOLD AND WINTERS GOLD 2 AREA

Geological mapping, prospecting, soil and rock chip sampling was conducted in this area. Mapping identified Paleozoic and Triassic Apex Mountain group rocks in contact with the Similkameen Cahill Creek pluton. No Hedley intrusions were mapped. Skarn mineralization appears to be more closely related to the Similkameen intrusion here versus the Hedley intrusions consisting of hornblende-porphyry sills and dykes as seen on the Avenue Resources Reverted Crown Grants and most of the rest of the Nickel Plate Mine district.

The most interesting rock chip sample came from a small shear zone located near the northwest corner of the Winters Gold claim at an elevation of 815 metres. Mineralization consisted of pyrrhotite with chalcopyrite.

Sample Number	Gold (ppb)	Silver (ppm)	Arsenic (ppm)	Copper (ppm)	Iron (%)
5365	995	4.6	867	1,423	28.25

## 9.0 TRENCHES

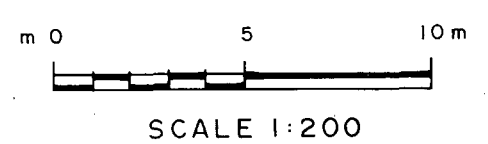
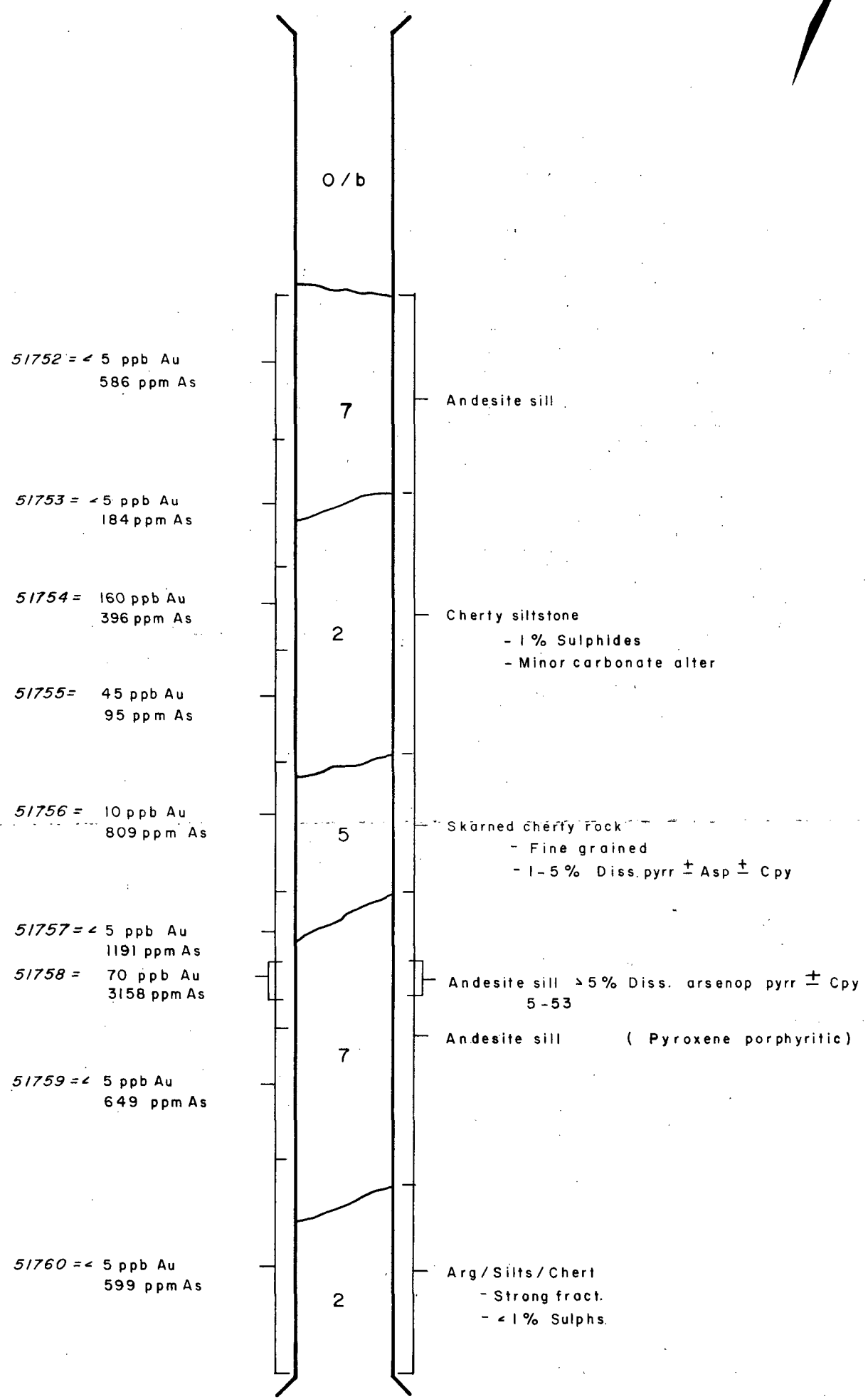
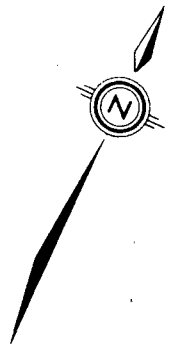
Five trenches totalling 244 feet were excavated on the Hedly North claim block using a track mounted excavator to test potential skarn mineralized zones (North trench, North Corral and South Corral trenches, E-W Cahill trench and N-S Cahill trench, Figures 7 to 11). Red Top Formation siltstones, argillites, cherts and minor thin-bedded limestone units were exposed in all trenches. Hornblende-porphry sills were found in all trenches with the exception of the Cahill trenches. Only weakly developed zones of skarn mineralization were noted consisting of calc-silicate and skarned chert. Sulphides present consist of pyrrhotite, pyrite, chalcopyrite, arsenopyrite and galena. Low gold values are present throughout the trenches.

## 10.0 CONCLUSIONS

The 1987 field program identified two major zones where potential gold skarn mineralization similar to that found at the Mascot Gold Mine, French and Canty Mines exists.

The Pick-Axe Zone has yielded six rock chip samples with assay values greater than 0.120 oz/ton gold. Four of these samples were taken at continuous depths below surface of massive pyrrhotite with appreciable arsenopyrite and chalcopyrite. Anomalous amounts of bismuth and tungsten are associated with the gold which is common to the Mascot Gold Mine. Samples taken at depths of 0.3, 0.75 and 1.30 metres across an area of 2.0 metres x 1.0 metres are 0.153, 0.204 and 0.515 oz/ton gold respectively.

Although the zone is in contact with a Similkameen granodiorite dyke, the Nickel Plate district history would strongly suggest that the granodiorite dyke is post-mineralization and as a result, not related. Hedley intrusion hornblende-porphry sills are found close by.

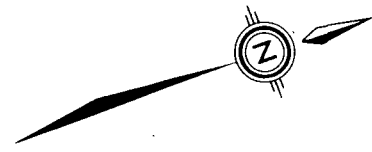


**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**16,400**

AVENUE RESOURCES LTD.			
HEDLY PROPERTY NORTH TRENCH MAP			
HEDLEY, BRITISH COLUMBIA OSOYOOS MINING DIVISION			
PAMICON DEVELOPMENTS LTD.			
Drawn	N.T.S. 92H-8E	Date. May-1987	Fig. No. 7

290°



00470 = < 5 ppb Au

00469 = < 5 ppb Au

00468 = < 5 ppb Au

00467 = < 5 ppb Au

00466 = < 5 ppb Au

00465 = < 5 ppb Au

00464 = < 5 ppb Au  
4.1 ppm Ag

00463 = < 5 ppb Au  
1.9 ppm Ag  
934 ppm Cu  
1065 ppm Zn

00462 = < 5 ppb Au

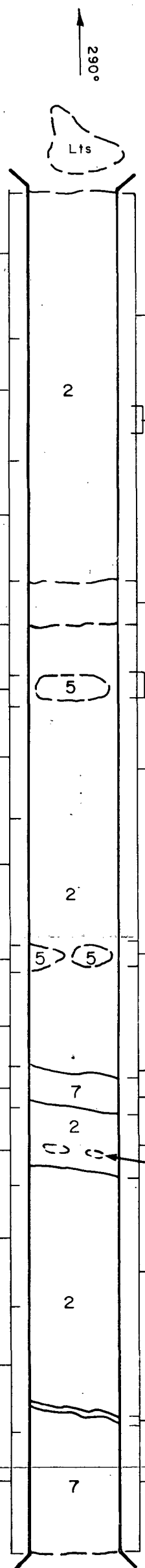
00461 = < 5 ppb Au

00460 = 10 ppb Au

00459 = < 5 ppb Au

00458 = < 5 ppb Au

00457 = < 5 ppb Au



Strongly fractured interbedded  
Arg/Siltst/Chert/Lst

Rusty orange clay shear zone

White calc-silicate

Garnetite / Calc-silicate  
- 1% Galena  
- 1-3% Cpy 5-15% Pyrr.

Chert breccia

Skarn (Garnetite)  
- 15% Diss & blebs of pyrr  
- 5% Chalcopyrite  
- 1% Galena  
- Calcite xtal clusters of gangue  
- Garnets up to 4mm  
- Lst recrystallization

Calc-silicate  
Andesite sill (> 1% Diss.pyrr)

Interbedded chert (Pale green)/Arg/Siltstone  
Blebs of pyrrhotite up to 1cm.

Dark black, strongly fractured  
Argillite / Siltstone  
- Rusty on surface

Orange / Yellow shear gouge

Andesite sill  
(Pyroxene porphyritic)  
< 1% Diss.pyrr.

m 0 5 10m

SCALE 1:200

# GEOLOGICAL BRANCH ASSESSMENT REPORT

# 16,400

110°

AVENUE RESOURCES LTD.

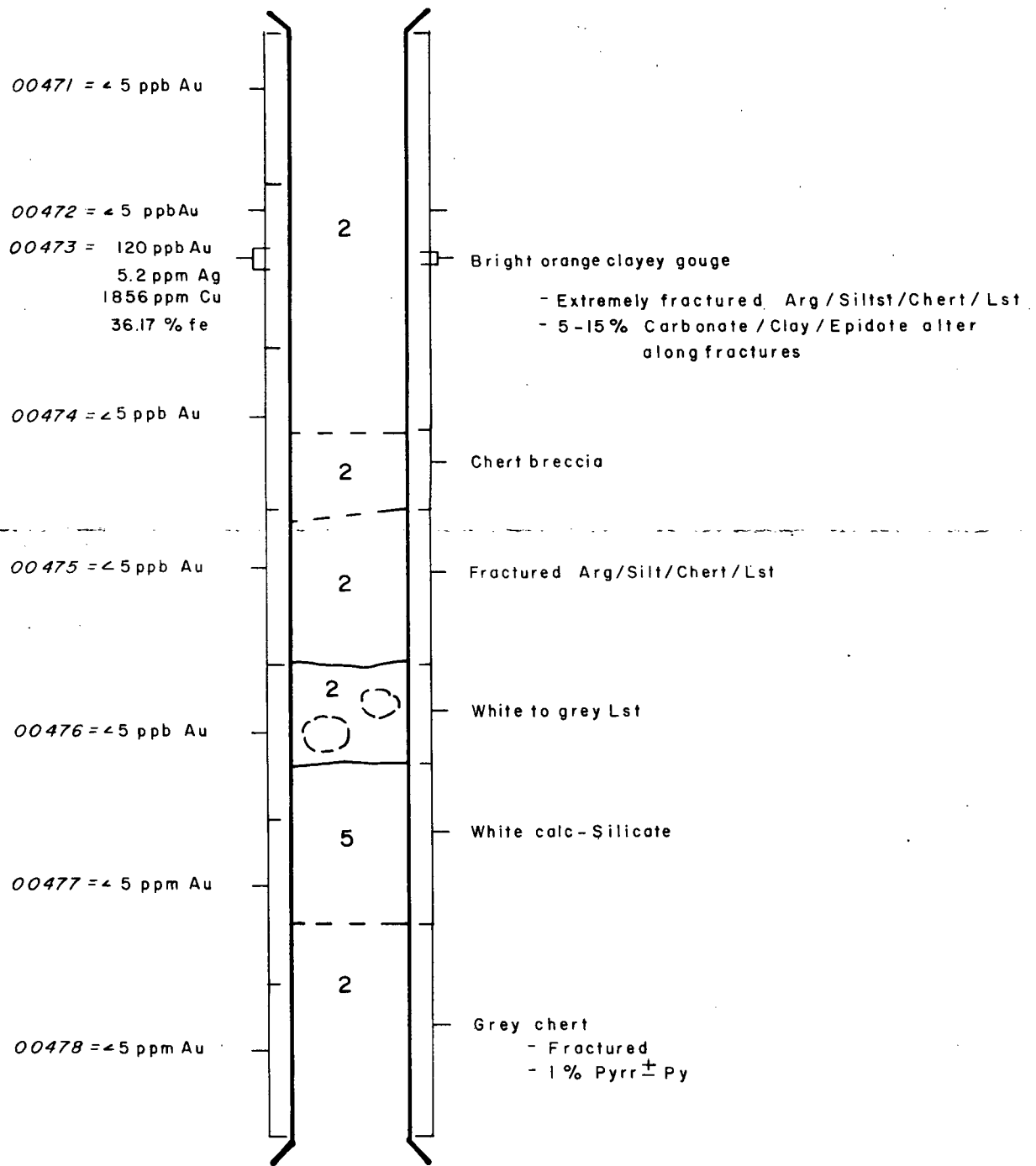
## HEDLY PROPERTY NORTH CORRALL TRENCH MAP

HEDLEY, BRITISH COLUMBIA

OSOYOOS MINING DIVISION

PAMICON DEVELOPMENTS LTD.

Drawn	N.T.S. 924-8E	Date. May-1987	Fig. No. 8
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m 0 5 10m

SCALE 1:200

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**16,400**

AVENUE RESOURCES LTD.

**HEDLY PROPERTY  
SOUTH CORRALL  
TRENCH MAP**

HEDLEY, BRITISH COLUMBIA

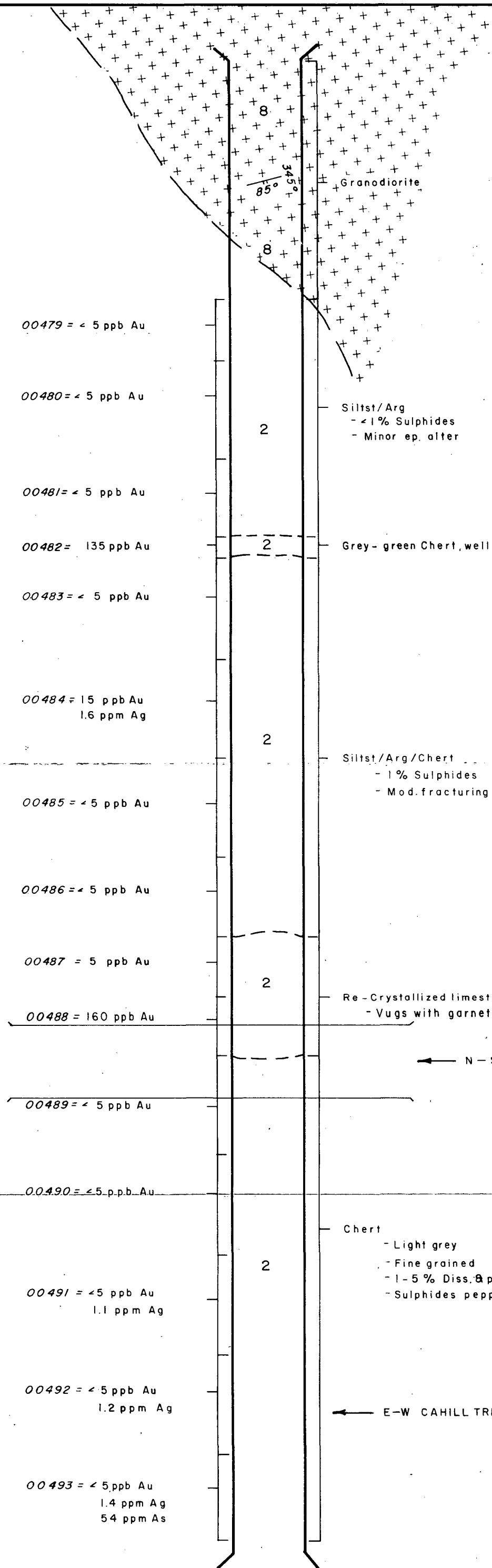
OSOYOOS MINING DIVISION

PAMICON DEVELOPMENTS LTD.

Drawn	N.T.S. 92H-8E	Date. May-1987	Fig. No. 9
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GEOLOGICAL BRANCH  
ASSESSMENT REPORT

16,400



00479 = < 5 ppb Au

00480 = < 5 ppb Au

00481 = < 5 ppb Au

00482 = 135 ppb Au

00483 = < 5 ppb Au

00484 = 15 ppb Au  
1.6 ppm Ag

00485 = < 5 ppb Au

00486 = < 5 ppb Au

00487 = 5 ppb Au

00488 = 160 ppb Au

00489 = < 5 ppb Au

00490 = < 5 ppb Au

00491 = < 5 ppb Au  
1.1 ppm Ag

00492 = < 5 ppb Au  
1.2 ppm Ag

00493 = < 5 ppb Au  
1.4 ppm Ag  
54 ppm As

Granodiorite

Siltst/Arg  
- < 1% Sulphides  
- Minor ep. alter

Grey-green Chert, well fractured, pyrr ± Py ± Cpy

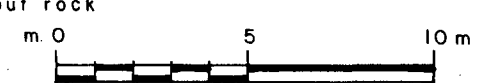
Siltst/Arg/Chert  
- 1% Sulphides  
- Mod. fracturing

Re-Crystallized limestone  
- Vugs with garnet xtals

Chert  
- Light grey  
- Fine grained  
- 1-5% Diss. & patchy blebs pyrr + Cpy ± Py  
- Sulphides peppered thru-out rock

← N-S CAHILL TRENCH

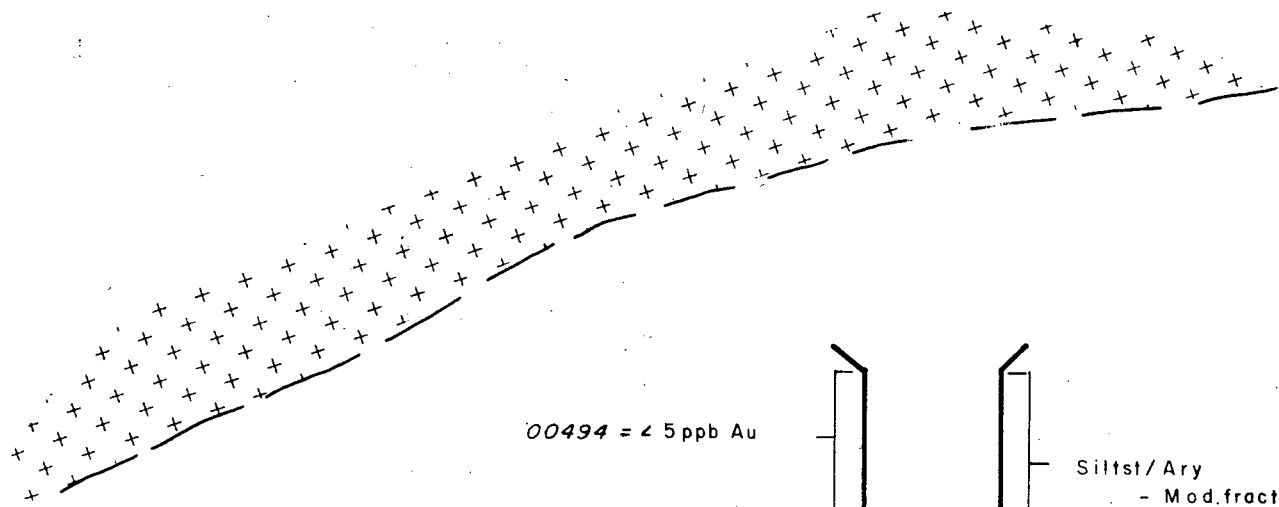
← E-W CAHILL TRENCH



SCALE 1:200

AVENUE RESOURCES LTD.			
HEDLY PROPERTY			
E-W CAHILL TRENCH MAP			
HEDLEY, BRITISH COLUMBIA			
OSOYOOS MINING DIVISION			
PAMICON DEVELOPMENTS LTD.			
Drawn	N.T.S.	Date.	Fig. No.
	92H-8E	May-1987	10



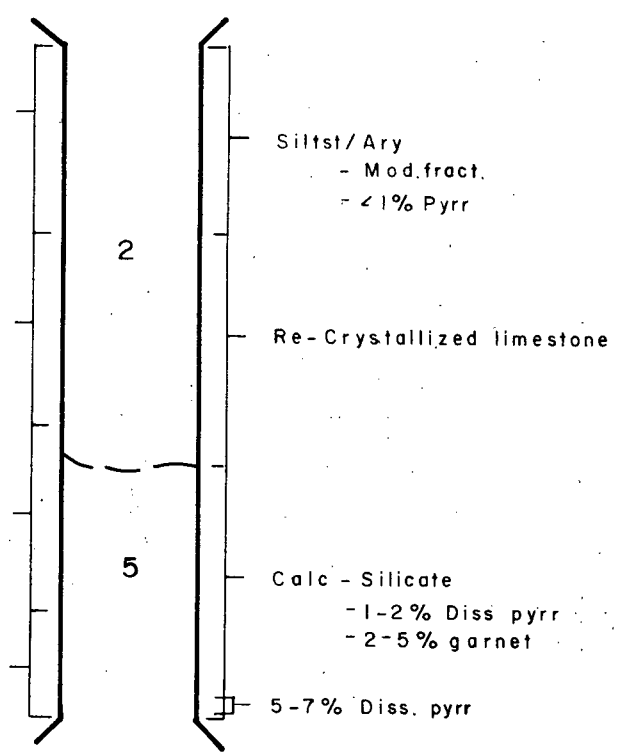


00494 = < 5 ppb Au

00495 = < 5 ppb Au

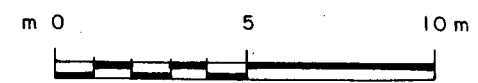
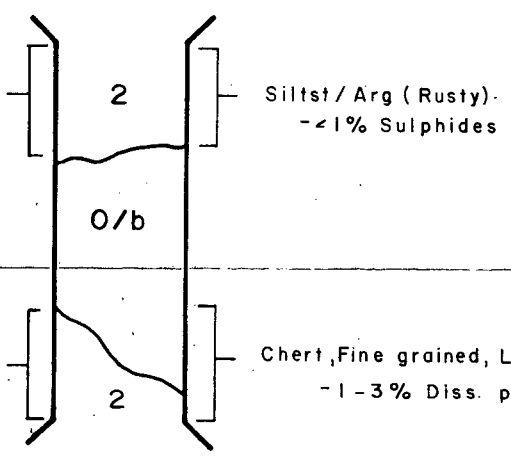
00496 = < 5 ppb Au

00497 = < 5 ppb Au



00498 = < 5 ppb Au

00499 = < 5 ppb Au



SCALE 1:200

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**16,400**

AVENUE RESOURCES LTD.			
HEDLY PROPERTY			
N-S CAHILL TRENCH MAP			
HEDLEY, BRITISH COLUMBIA			
OSOYOOS MINING DIVISION			
PAMICON DEVELOPMENTS LTD.			
Drawn	N.T.S. 92H-8E	Date. May-1987	Fig. No. 11

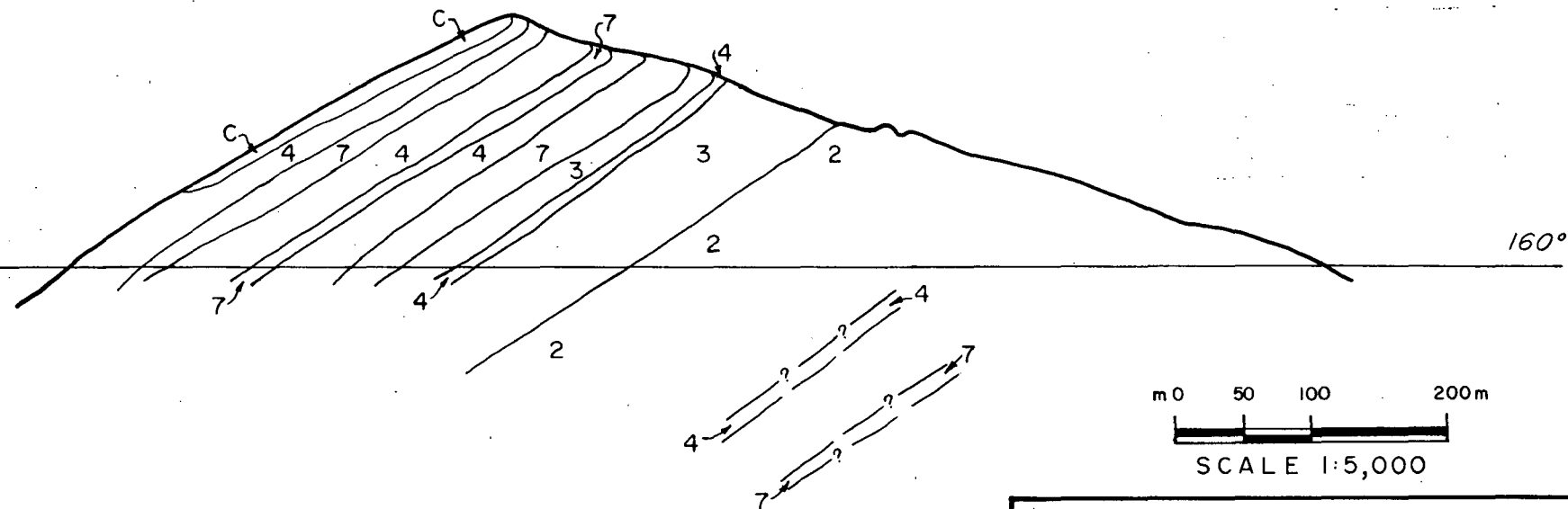
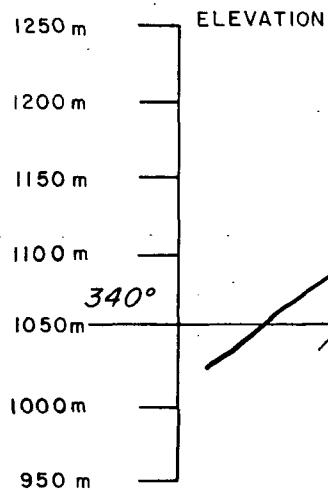
Within the Copperfield Zone, three mineralized areas have been identified in the limestone boulder Copperfield Conglomerate. The Sweden Shaft, BK and Galena Pit Zones all display skarn mineralized chert and conglomerate. Pyrrhotite, chalcopyrite, pyrite, massive magnetite, galena, arsenopyrite, sphalerite, calcite and garnet have been identified. On the Avenue Resources property and elsewhere throughout the Nickel Plate camp, the Copperfield Conglomerate lies stratigraphically above the Hedley sequence which includes the thick, massive Sunnyside limestone (Figure 14). Most gold skarn deposits to date, in the area, have been won from within 80 to 200 metres of the "marble line" (the transitional zone between massive, unaltered limestone and skarned limestone) within the Sunnyside limestone. Hedley intrusion hornblende-porphyrty sills cut the units usually parallel to bedding. These sills are associated with skarn mineralization.

Several other minor skarn zones were examined on the Reverted Crown Grants. Skarn consisting of calc-silicate and garnetite host disseminated pyrrhotite, chalcopyrite, arsenopyrite and pyrite. Low gold values were reported.

The Hedly North, Hedly South, Winters Gold 2 and Winters Gold claims are predominantly underlain by Apex Mountain group sediments and volcanics and Similkameen granodiorite. Skarn mineralization examined to date appears of less importance than as seen in the vicinity of the Reverted Crown Grants where skarn activity is more directly related to the Hedley intrusions. Low gold values were reported throughout the claims area in skarn. One small scale shear zone on the Winters Gold 2 claim returned an assay of 995 ppb gold.

#### 11.0 RECOMMENDATIONS

A follow-up program on the Pick-Axe Zone should include clearing of the present dump pile to better expose the gold-bearing massive pyrrhotite lens, extend the soil geochemistry grid, conduct a magnetometer and



AVENUE RESOURCES LTD.

**HEDLY PROPERTY**  
GENERALIZED CROSS-SECTION  
of  
**COPPERFIELD ZONE**

(Copperfield Conglomerate, Sunnyside Limestone,  
& Hedley Intrusions)

OSOYOOS MINING DIVISION

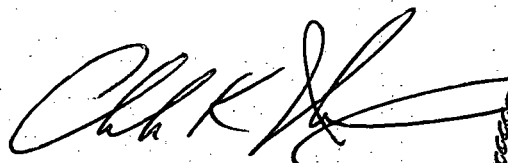
PAMICON DEVELOPMENTS LTD.

Drawn	N.T.S. 92H-8E	Date. May-1987	Fig. No. 14
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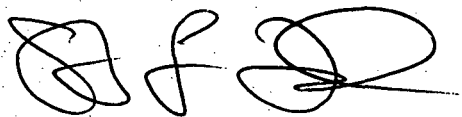
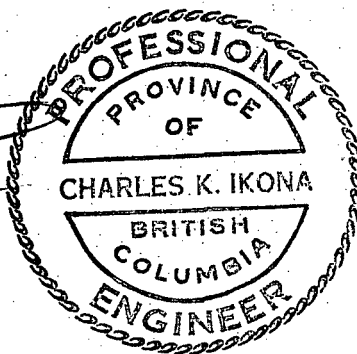
electromagnetic geophysical survey followed by trenching using a plugger drill and explosives.

On the Copperfield Zone, a diamond drilling program should be carried out to intersect the "marble line" transitional zone between massive, unaltered Sunnyside limestone and potential ore hosting skarned limestone.

Respectfully submitted,



Charles K. Ikona, P.Eng.



Steve L. Todoruk, Geologist

Vancouver, British Columbia

May, 1987

**APPENDIX A**  
**BIBLIOGRAPHY**

## BIBLIOGRAPHY

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- Warren, H.V. and J.M. Cummings, 1936: Mineralogy at Nickel Plate Mine, The Miner, Volume 9, pp 27 - 28.

**APPENDIX B**  
**COST STATEMENT**

COST STATEMENT

Avenue Resources Ltd.  
Hedley Project  
(April 6 - May 15, 1987)

WAGES

R. Darney, Geologist

711, 675 West Hastings Street, Vancouver, B.C.

April 6 - 11, May 1 - 3, 1987

8 days @ \$300/day

\$ 2,400.00

S. Todoruk, Geologist

711, 675 West Hastings Street, Vancouver, B.C.

April 6 - May 15, 1987

41.5 days @ \$300/day

12,450.00

K. Milledge, Blaster

711, 675 West Hastings Street, Vancouver, B.C.

April 29 - May 7, 1987

9 days @ \$300/day

2,700.00

T. Bell, Prospector

711, 675 West Hastings Street, Vancouver, B.C.

April 10 - May 5, 1987

25 days @ \$200/day

5,000.00

F. Von Possel, Sampler

711, 675 West Hastings Street, Vancouver, B.C.

April 9 - May 5, 1987

26 days @ \$150/day

3,900.00

\$26,450.00

AUTO EXPENSES

Truck rental

32 days @ \$75/day

2,400.00

TECHNICAL EQUIPMENT AND SUPPLIES

Nevill Crosby Inc.

Invoice No. 50808

\$ 42.51

Invoice No. 50752

458.20

500.71

FIELD SUPPLIES

Deakin Equipment

\$ 52.05

Vangeochem Labs

223.52

275.57

MAPS AND PHOTOS

Mascot Mines - airphotos

\$ 500.00

McElhanney - orthophoto preparation

Invoice #3010424

4,400.00

4,900.00



FOOD, FUEL, ACCOMMODATION

Expense accounts submitted and verified  
but not detailed:

S. Todoruk	\$ 6,000.00
K. Milledge	250.00
R. Darney	150.00
T. Bell	<u>182.43</u>

6,582.43

EXPLOSIVES

468.90

BACKHOE RENTAL

3,480.00

TELEPHONE

100.00

EQUIPMENT RENTAL

Chain saws, etc.

100.00

TYPING, DRAFTING, REPRODUCTIONS

1,500.00

ASSAYS

Vangeochem Labs Ltd.

Invoice Nos. 870372, 870374, 870375, 870386,  
870399, 870412, 870422, 870430, 870431,  
870435

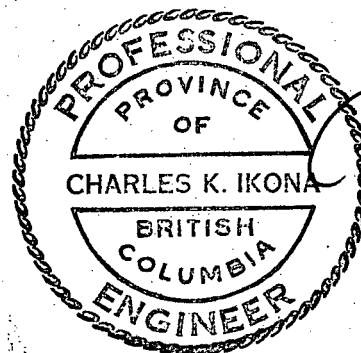
7,341.86

MANAGEMENT AND PROFESSIONAL SERVICES

4,147.42

TOTAL

\$58,246.89



**APPENDIX C**  
**METHOD OF SAMPLE PREPARATION**



# 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

December 23, 1987

TO: Steve Todoruk  
PAMICON DEVELOPMENTS  
711 - 675 W. Hastings St.  
Vancouver, B.C. V6B 1N4

FROM: Vangeochem Lab Limited  
1521 Pemberton Avenue  
North Vancouver, British Columbia  
V7P 2S3

SUBJECT: Analytical procedure used to determine Aqua Regia soluble gold in geochemical samples.

## 1. Method of Sample Preparation

- (a) Geochemical soil, silt or rock samples were received at the laboratory in high wet-strength, 4" x 6", Kraft paper bags. Rock samples would be received in poly ore bags.
- (b) Dried soil and silt samples were sifted by hand using an 8" diameter, 80-mesh, stainless steel sieve. The plus 80-mesh fraction was rejected. The minus 80-mesh fraction was transferred into a new bag for subsequent analyses.
- (c) Dried rock samples were crushed using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for subsequent analyses.

## 2. Method of Digestion

- (a) 5.00 to 10.00 grams of the minus 80-mesh portion of the samples were used. Samples were weighed out using an electronic micro-balance and deposited into beakers.
- (b) Using a 20 ml solution of Aqua Regia (3:1 solution of HCl to HNO<sub>3</sub>), each sample was vigorously digested over a hot plate.
- (c) The digested samples were filtered and the washed pulps were discarded. The filtrate was then reduced in volume to about 5 ml.



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

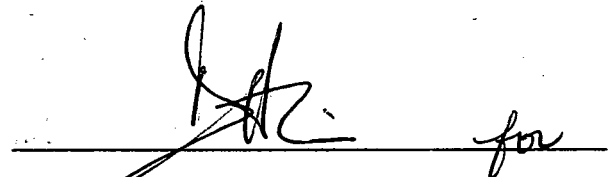
- (d) Au complex ions were then extracted into a di-isobutyl ketone and thiourea medium (Anion exchange liquids "Aliquot 336").
- (e) Separatory funnels were used to separate the organic layer.

### 3. Method of Detection

The detection of Au was performed with a Techtron model AA5 Atomic Absorption Spectrophotometer with a gold hollow cathode lamp. The results were read out onto a strip chart recorder. A hydrogen lamp was used to correct any background interferences. The gold values, in parts per billion, were calculated by comparing them with a set of gold standards.

### 4. Analysts

The analyses were supervised or determined by Mr. Conway Chun or Mr. Eddie Tang and his laboratory staff.

  
\_\_\_\_\_  
Eddie Tang  
VANGEOCHEM LAB LIMITED



# 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

December 23, 1987

**TO:** Steve Todoruk  
PAMICON DEVELOPMENTS  
711 - 675 W. Hastings St.  
Vancouver, B.C. V6B 1N4

**FROM:** Vangeochem Lab Limited  
1521 Pemberton Avenue  
North Vancouver, British Columbia  
V7P 2S3

**SUBJECT:** Analytical procedure used to determine gold by fire assay method and detect by atomic absorption spectrophotometry in geological samples.

## 1. Method of Sample Preparation

- (a) Geochemical soil, silt or rock samples were received at the laboratory in high wet-strength, 4" x 6", Kraft paper bags. Rock samples would be received in poly ore bags.
- (b) Dried soil and silt samples were sifted by hand using an 8" diameter, 80-mesh, stainless steel sieve. The plus 80-mesh fraction was rejected. The minus 80-mesh fraction was transferred into a new bag for subsequent analyses.
- (c) Dried rock samples were crushed using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for subsequent analyses.

## 2. Method of Extraction

- (a) 20.0 to 30.0 grams of the pulp samples were used. Samples were weighed out using a top-loading balance and deposited into individual fusion pots.
- (b) A flux of litharge, soda ash, silica, borax, and, either flour or potassium nitrite is added. The samples are then fused at 1900 degrees Fahrenheit to form a lead "button".
- (c) The gold is extracted by cupellation and parted with diluted nitric acid.



# VANGEOCHEM LAB LIMITED

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

(d) The gold bead is retained for subsequent measurement.

### 3. Method of Detection

(a) The gold bead is dissolved by boiling with aqua regia solution, then diluted with deionized water to 10 ml volume.

(b) The detection of gold was performed with a Techtron model AAS Atomic Absorption Spectrophotometer with a gold hollow cathode lamp. The results were read out on a strip chart recorder. The gold values, in parts per billion, were calculated by comparing them with a set of known gold standards.

### 4. Analysts

The analyses were supervised or determined by Mr. Conway Chun or Mr. David Chiu and his laboratory staff.

A handwritten signature in black ink, appearing to be 'D. Chiu', written over a horizontal line.

David Chiu  
VANGEOCHEM LAB LIMITED



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BRANCH OFFICE  
1630 PANDORA ST.  
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(604) 251-5656

December 23, 1987

TO: Steve Todoruk  
PAMICON DEVELOPMENTS  
711 - 675 W. Hastings St.  
Vancouver, B.C. V6B 1N4

FROM: Vangeochem Lab Limited  
1521 Pemberton Avenue  
North Vancouver, British Columbia  
V7P 2S3

SUBJECT: Analytical procedure used to determine hot acid soluble for 28 element scan by Inductively Coupled Plasma Spectrophotometry in geochemical silt and soil samples.

## 1. Method of Sample Preparation

- (a) Geochemical soil, silt or rock samples were received at the laboratory in high wet-strength, 4" x 6", Kraft paper bags. Rock samples would be received in poly ore bags.
- (b) Dried soil and silt samples were sifted by hand using an 8" diameter, 80-mesh, stainless steel sieve. The plus 80-mesh fraction was rejected. The minus 80-mesh fraction was transferred into a new bag for subsequent analyses.
- (c) Dried rock samples were crushed using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for subsequent analyses.

## 2. Method of Digestion

- (a) 0.50 gram portions of the minus 80-mesh samples were used. Samples were weighed out using an electronic balance.
- (b) Samples were digested with a 5 ml solution of HCL:HN03:H2O in the ratio of 3:1:2 in a 95 degree Celsius water bath for 90 minutes.
- (c) The digested samples are then removed from the bath and bulked up to 10 ml total volume with dimineralized water and thoroughly mixed.



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

### 3. Method of Analyses

The ICP analyses elements were determined by using a Jarrel-Ash ICAP model 9000 directly reading the spectrophotometric emissions. All major matrix and trace elements are interelement corrected. All data are subsequently stored onto disk.

### 4. Analysts

The analyses were supervised or determined by either Mr. Eddie Tang, and, the laboratory staff.

  
\_\_\_\_\_  
Eddie Tang  
VANGEOCHEM LAB LIMITED



**APPENDIX D**  
**ASSAY CERTIFICATES**

✓ = on rock chip map.



# VANGEOCHEM LAB LIMITED

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BRANCH OFFICE  
1630 PANDORA ST.  
VANCOUVER, B.C. V5L 1L6  
(604) 251-6656

REPORT NUMBER: 870374 AA

JOB NUMBER: 870374

PANICON DEVELOPMENT LTD.

PAGE 1 OF 3

SAMPLE #	Au oz/st	Au oz/st
✓ 5201	<.005	---
✓ 5202	.005	---
✓ 5203	.006	---
✓ 5204	<.005	---
✓ 5205	<.005	---
✓ 5206	<.005	---
✓ 5207	<.005	---
✓ 5208	<.005	---
✓ 5209	<.005	---
✓ 5210	<.005	---
✓ 5211	<.005	---
✓ 5212	<.005	---
✓ 5213	<.005	---
✓ 5214	<.005	---
✓ 5215	<.005	---
✓ 5216	<.005	---
✓ 5217	<.005	---
✓ 5218	<.005	---
✓ 5219	<.005	---
✓ 5220	<.005	---

A  
adit

### DETECTION LIMIT

1 Troy oz/short ton = 34.28 ppm

.005

1 ppm = 0.0001%

.005

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: 870374 AA

JOB NUMBER: 870374

PANICOM DEVELOPMENT LTD.

PAGE 2 OF 3

SAMPLE #	Au oz/st	Au oz/st
✓ 5221	<.005	--
✓ 5222	<.005	--
✓ 5223	<.005	--
✓ 5224	<.005	--
✓ 5225	<.005	--
✓ 5326	<.005	--
✓ 5327	<.005	--
✓ 5328	<.005	--
✓ 5329	<.005	--
✓ 5330	<.005	--
✓ 5331	<.005	--
✓ 5332	<.005	--
✓ 5333	<.005	--
✓ 5334	<.005	--
5.2oz } ✓ 5335	<.005	--
✓ 5336	<.005	--
✓ 5337	<.005	--
✓ 5338	.336	.328
✓ 5339	.218	.212
✓ 5340	.120	.124

### DETECTION LIMIT

1 Troy oz/short ton = 34.28 ppm

.005  
1 ppm = 0.0001%

.005  
ppm = parts per million

< = less than

signed: \_\_\_\_\_



# VANGEOCHEM LAB LIMITED

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

BRANCH OFFICE  
1630 PANDORA ST.  
VANCOUVER, B.C. V5L 1L8  
(604) 251-5656

REPORT NUMBER: 870374 AA

JOB NUMBER: 870374

PANICOM DEVELOPMENT LTD.

PAGE 3 OF 3

SAMPLE #	Au oz/st	Au oz/st
✓ 5341	<.005	--
✓ 5342	<.005	--

### DETECTION LIMIT

1 Troy oz/short ton = 34.28 ppm

.005

1 ppm = 0.0001%

.005

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, NG, 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 CORP.  
 ATTENTION:  
 PROJECT:

REPORT#: 870374PA  
 JOB#: 870374  
 INVOICE#: 870374NA

DATE RECEIVED: 87/04/20  
 DATE COMPLETED: 87/04/21  
 COPY SENT TO:

ANALYST *W. P. Jones*

PAGE 1 OF 2

SAMPLE NAME	AG PPM	AL I	AS PPM	AU PPM	BA PPM	BI PPM	CA I	CD PPM	CO PPM	CR PPM	CU PPM	FE I	K I	MG I	MN PPM	MO PPM	NA I	NI PPM	P I	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM	
5201	.1	2.72	18	ND	153	4	3.65	.1	15	77	60	2.90	.22	1.31	285	6	.01	33	.05	4	ND	ND	ND	ND	163	ND	ND	49	
5202	.2	2.74	4	ND	234	ND	4.25	.1	18	105	67	4.25	.30	1.14	432	4	.01	67	.05	1	ND	ND	ND	1	103	3	ND	197	
5203	.1	3.20	4	ND	204	ND	3.77	.1	12	188	57	5.49	.26	1.46	427	4	.01	35	.17	9	ND	ND	ND	ND	196	ND	ND	132	
5204	.1	2.11	ND	ND	144	ND	1.01	.1	8	197	37	9.26	.28	1.18	207	ND	.01	17	.13	9	ND	ND	ND	ND	116	ND	ND	94	
5205	.2	2.20	ND	ND	66	ND	1.04	.1	9	226	41	7.93	.29	1.20	147	5	.01	21	.16	9	ND	ND	ND	1	145	6	ND	106	
5206	.1	2.29	ND	ND	80	ND	2.16	.1	9	232	37	6.30	.27	1.21	208	5	.01	19	.16	7	ND	ND	ND	1	217	ND	ND	145	
5207	.1	2.41	ND	ND	119	ND	3.74	.1	8	160	36	6.19	.28	.79	260	ND	.01	20	.15	5	ND	ND	ND	ND	234	3	ND	108	
5208	.1	2.70	ND	ND	101	ND	1.79	.1	11	209	35	6.94	.27	1.03	296	5	.01	31	.17	7	ND	ND	ND	ND	160	3	ND	147	
5209	.4	2.25	10	ND	97	ND	2.52	.1	9	38	83	1.82	.16	.68	320	ND	.01	7	.11	5	ND	ND	ND	ND	94	7	3	65	
5210	.1	1.83	6	ND	88	ND	1.01	.1	5	218	21	6.34	.22	.60	111	6	.01	15	.12	11	ND	ND	ND	ND	261	ND	ND	52	
5211	.1	1.60	ND	ND	47	ND	8.64	.1	7	99	26	4.48	.20	.55	522	1	.01	25	.08	4	ND	ND	ND	ND	419	ND	ND	112	
5212	.5	3.07	ND	ND	81	ND	.85	.1	13	317	49	6.08	.30	1.92	229	8	.01	29	.16	6	ND	ND	ND	2	111	ND	ND	169	
5213	.1	2.27	3	ND	86	ND	1.14	.1	11	262	38	6.45	.22	.91	215	8	.01	28	.13	11	ND	ND	ND	ND	207	ND	ND	91	
5214	.1	2.72	ND	ND	73	ND	2.82	.1	14	166	46	7.49	.28	.73	295	1	.01	44	.13	11	ND	ND	ND	ND	200	6	ND	153	
5215	.3	2.95	ND	ND	174	6	2.16	.1	14	58	52	2.02	.15	.50	348	3	.01	14	.12	13	ND	ND	ND	ND	176	ND	ND	90	
5216	.6	1.18	19	ND	94	4	.96	.1	9	39	51	1.11	.10	.19	121	1	.20	11	.12	9	ND	ND	5	5	73	6	8	18	
5217	.4	2.74	11	ND	187	4	2.37	.3	13	52	149	1.97	.17	.60	424	3	.01	10	.12	12	ND	ND	ND	2	120	ND	ND	77	
5218	.1	.06	7	ND	37	ND	.34	.1	1	54	3	2.82	.08	.13	54	ND	.01	2	.01	1	ND	ND	6	ND	9	ND	6	6	
5219	.1	4.20	ND	ND	139	3	3.29	.1	12	38	53	1.39	.14	.56	68	4	.01	19	.08	7	ND	ND	ND	ND	344	ND	ND	14	
5220	.1	4.69	6	ND	293	ND	3.79	.1	13	42	49	2.00	.17	.63	188	ND	.01	30	.16	10	ND	ND	ND	ND	247	ND	ND	34	
5221	.1	4.34	ND	ND	58	ND	6.93	.1	14	45	71	3.20	.17	.16	296	5	.01	22	.08	10	ND	ND	ND	ND	266	ND	ND	27	
5222	.1	2.90	ND	ND	127	ND	5.29	.1	23	29	38	4.58	.22	1.37	1142	ND	.01	16	.13	4	ND	ND	ND	4	58	ND	ND	88	
5223	.1	4.58	ND	ND	93	ND	4.97	.6	24	55	130	4.66	.22	.44	169	4	.01	38	.17	20	ND	ND	ND	ND	196	ND	ND	105	
5224	.3	3.44	3	ND	97	ND	4.33	.1	16	42	79	3.80	.22	.63	171	1	.01	27	.32	39	ND	ND	ND	ND	104	3	ND	93	
5225	.3	2.93	103	ND	63	ND	4.33	.3	8	126	26	.81	.15	.16	213	11	.26	22	.13	11	ND	ND	ND	ND	539	ND	ND	36	
5326 5329 ↓	5226	.3	2.87	208	ND	76	5	1.37	.1	14	52	32	1.92	.15	.41	157	1	.04	11	.06	9	ND	ND	ND	ND	193	ND	ND	15
	5227	.4	2.31	309	ND	80	ND	1.06	.1	15	80	55	2.47	.15	.36	134	6	.01	12	.07	10	ND	ND	3	2	209	ND	ND	13
	5228	.3	2.47	1675	ND	59	ND	1.16	.1	16	46	44	2.24	.14	.40	131	1	.01	11	.06	11	ND	ND	3	ND	201	ND	ND	14
	5229	.5	2.54	960	ND	72	ND	1.18	.1	16	84	53	2.70	.16	.45	197	7	.01	10	.06	10	ND	ND	3	1	180	ND	ND	18
	5230	.2	5.40	310	ND	369	4	2.00	.1	15	56	42	2.75	.26	1.14	283	1	.01	10	.06	14	ND	ND	ND	ND	271	3	ND	28
5231	.6	3.06	487	ND	104	ND	.93	.1	11	20	44	2.86	.19	.48	169	1	.01	5	.06	15	ND	ND	ND	ND	1074	ND	ND	16	
5232	.4	4.09	11	ND	205	3	1.72	.1	15	43	15	3.25	.20	.96	412	ND	.01	7	.08	14	ND	ND	ND	1	175	3	ND	34	
5233	.4	3.32	ND	ND	79	ND	3.20	.1	16	20	64	3.84	.22	.64	261	2	.01	20	.08	10	ND	ND	ND	ND	246	ND	ND	41	
5234	.8	3.29	88	ND	32	ND	4.30	3.2	21	22	192	3.79	.20	.30	525	1	.01	28	.10	27	ND	ND	4	ND	287	ND	ND	295	
5235	.5	1.70	102	ND	2	4	5.33	12.1	6	20	22	.88	.14	.20	614	ND	.01	8	.04	68	ND	ND	18	1	62	ND	ND	943	
5236	.2	2.34	401	ND	5	7	6.50	.1	18	42	43	1.27	.14	.34	636	1	.01	19	.11	6	ND	ND	42	4	68	ND	ND	39	
5237	.2	3.49	894	ND	6	7	6.05	.1	21	27	40	.93	.14	.22	431	2	.03	39	.06	8	ND	ND	47	1	233	ND	ND	58	
Pict. Area Zone 5238	2.9	.52	317	12	48	294	1.53	.1	13	62	861	7.50	.22	.22	379	6	.01	11	.07	10	ND	ND	7	1	80	9	262	40	
5239	2.3	.20	55	5	2	231	.39	.1	106	18	2821	22.51	.39	.06	262	2	.01	23	.05	14	ND	ND	3	ND	13	4	561	31	
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 CORP. JOB#: 870374 PROJECT:

REPORT: 870374PA DATE: 87/04/21

PAGE 2 OF 2

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
Pick Area 2--e <del>5240</del> 5340	4.7	.88	1685	4	31	83	.77	.1	130	39	4580	10.00	.21	.20	440	3	.01	15	.11	5	ND	ND	9	2	65	ND	558	38
<del>5241</del> 5341	.1	1.96	69	ND	36	ND	15.85	4.1	10	6	183	1.38	.03	.06	426	1	.01	17	.12	9	ND	ND	ND	ND	556	ND	4	200
Goleas Pit <del>5242</del> 5342	1.0	.26	21	ND	45	4	.78	.5	5	44	25	.55	.09	.07	224	6	.18	9	.11	15	ND	ND	3	5	27	7	ND	16
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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BRANCH OFFICE  
1630 PANDORA ST.  
VANCOUVER, B.C. V5L 1L6  
(604) 251-5656

REPORT NUMBER: 970372 AA

JOB NUMBER: 970372

PANICON DEVELOPMENTS LTD.

PAGE 1 OF 1

SAMPLE #	AU oz/st
----------	-------------

*Galena  
if*

✓ 05343	<.005
✓ 05344	<.005
✓ 05345	<.005
✓ 05346	<.005
✓ 05347	<.005
✓ 05348	.014
✓ 05349	<.005
✓ 05350	<.005
✓ 05351	<.005
✓ 05352	<.005
✓ 05353	<.005
✓ 05354	<.005

*by Shengra Lo's HR-10*

DETECTION LIMIT

1 Troy oz/short ton = 34.28 ppm

.005

1 ppm = 0.0001%

ppm = parts per million

< = less than

signed: \_\_\_\_\_

APR 30 1987

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1521 PEMBERTON AVE. N. VANCOUVER B.C. V7P 2R3 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:

REPORT#: 760372PA  
 JOB#: 870372  
 INVOICE#: 870372NA

DATE RECEIVED: 87/04/23  
 DATE COMPLETED: 87/04/29  
 COPY SENT TO:

ANALYST *W. Paves*

PAGE 1 OF 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
5343	.5	.50	7	ND	42	3	.70	.1	12	45	68	1.08	.03	.12	97	5	.01	39	.13	10	ND	ND	ND	5	35	15	ND	15
5344	.8	2.66	4	ND	19	ND	1.72	.1	21	27	164	2.52	.04	.10	85	1	.01	25	.13	11	ND	ND	ND	ND	180	6	ND	13
5345	.5	.26	ND	ND	15	ND	6.15	.1	8	57	71	1.35	.01	.06	843	6	.01	10	.06	4	ND	ND	ND	ND	17	ND	ND	12
5346	6.9	.77	ND	ND	83	ND	8.08	.4	5	32	36	1.22	.01	.04	798	5	.01	16	.13	11	ND	ND	ND	ND	37	ND	ND	19
5347	.1	.29	ND	ND	42	ND	6.59	.1	5	50	42	1.37	.01	.05	584	6	.01	9	.05	3	ND	ND	ND	ND	17	ND	ND	13
5348	.8	2.95	44	ND	59	ND	4.05	.1	6	70	75	3.04	.05	.14	497	1	.01	14	.03	28	ND	ND	ND	ND	560	ND	ND	18
5349	.4	6.12	37	ND	105	ND	4.64	.1	15	51	83	3.37	.03	.32	100	4	.01	12	.11	23	ND	ND	ND	ND	1689	ND	ND	31
5350	.1	3.45	40	ND	116	ND	10.58	.4	6	23	61	2.20	.01	.13	331	ND	.01	8	.06	14	ND	ND	ND	ND	702	ND	ND	64
5351	.1	3.04	ND	ND	40	ND	9.50	.2	15	39	238	1.87	.01	.06	471	3	.01	16	.08	5	ND	ND	ND	ND	1202	ND	ND	26
5352	.1	2.20	ND	ND	32	ND	9.23	.1	18	34	273	2.15	.01	.04	434	3	.01	28	.11	5	ND	ND	ND	ND	827	ND	ND	30
5353	4.3	2.33	ND	ND	27	ND	6.94	.1	22	33	411	2.91	.01	.11	390	1	.01	27	.07	5	ND	ND	ND	ND	753	ND	ND	17
5354	.1	2.52	ND	ND	39	ND	7.30	.1	16	45	361	2.58	.01	.11	321	3	.01	26	.17	6	ND	ND	ND	ND	902	ND	ND	29
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: 870399 6A

JOB NUMBER: 870399

PAMICON DEVELOPMENT LTD.

PAGE 1 OF 1

SAMPLE #

Au

ppb

nd

nd

nd

nd

nd

nd

nd

nd

580

40

nd

nd

nd

below Galena pit

G-Zone  
West Red Top Zone  
Sample Addition  
Red Top Zone

00451  
00452  
00453  
01057  
01058  
01059  
01060  
01061  
01062  
01063  
01064

DETECTION LIMIT

5

nd = none detected

-- = not analysed

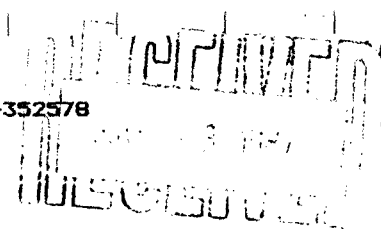
is = insufficient sample

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 SM, MN, FE, CA, P, CR, MG, BA, PB, 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: B. DARREY & K. MILLEDGE  
 PROJECT: HEDLY

REPORT#: 870399PA  
 JOB#: 870399  
 INVOICE#: 870399NA

DATE RECEIVED: 87/04/30  
 DATE COMPLETED: 87/05/06  
 COPY SENT TO:

ANALYST W. P. ...

PAGE 1 OF 1

SAMPLE NAME	AG	AL	AS	AU	BA	BI	CA	CD	CO	CR	CU	FE	K	MG	MN	MO	NA	NI	P	PB	PD	PT	SB	SN	SR	U	W	ZN
	PPM	μ	PPM	PPM	PPM	PPM	μ	PPM	PPM	PPM	PPM	μ	μ	μ	PPM	PPM	μ	PPM	μ	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
00451 G-Zone	.3	2.77	66	ND	29	ND	3.70	.4	14	15	182	2.29	.01	.22	371	2	.01	14	.07	35	ND	ND	7	ND	221	ND	ND	125
00452	.1	1.92	7	ND	37	ND	.34	.1	15	40	75	5.62	.20	1.37	74	ND	.03	5	.01	11	ND	ND	ND	ND	91	11	ND	17
00453	.1	2.32	ND	ND	21	ND	.77	.1	13	20	64	5.19	.01	2.02	267	ND	.03	10	.01	9	ND	ND	ND	ND	107	ND	ND	70
01057	.1	2.04	ND	ND	50	ND	.81	.1	7	181	40	9.03	.13	.75	308	3	.05	18	.12	5	ND	ND	ND	ND	109	ND	ND	105
01058	.1	2.41	ND	ND	22	ND	.91	.1	9	227	45	6.01	.08	1.16	117	ND	.03	19	.15	7	ND	ND	ND	ND	330	ND	ND	101
01059	.1	3.70	ND	ND	303	ND	1.26	.1	17	169	60	4.87	.05	1.03	318	ND	.03	47	.17	6	ND	ND	ND	ND	236	ND	ND	123
01060	.1	3.27	ND	ND	209	ND	3.47	.1	12	82	60	2.86	.04	1.51	343	ND	.02	32	.08	1	ND	ND	ND	ND	170	ND	3	62
01061	.6	3.20	6514	ND	23	29	9.99	1.7	16	20	42	.88	.01	.10	489	ND	.01	27	.08	ND	ND	ND	13	ND	811	ND	ND	17
01062	.3	4.64	762	ND	83	ND	3.87	.1	13	15	66	1.89	.01	.44	227	ND	.01	10	.10	13	ND	ND	5	ND	656	ND	ND	26
01063	1.6	2.02	1550	ND	13	ND	8.88	.1	13	86	244	1.43	.01	.12	577	6	.01	23	.10	2	ND	ND	39	ND	256	ND	ND	23
01064	.1	2.93	93	ND	107	ND	3.87	.1	10	69	71	1.37	.01	.34	233	1	.01	29	.08	7	ND	ND	ND	ND	489	ND	ND	22
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

for  
top

Lead  
top



# 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 1L8  
(604) 251-5656

REPORT NUMBER: 870431 6A

JOB NUMBER: 870431

PANICON DEVELOPMENT LTD.

PAGE 1 OF 2

SAMPLE #

Au

ppb

nd

nd

nd

nd

nd

00458

00459

00465

00468

00469

00471

00473

00476

00479

00483

00485

00486

00494

00495

01065

01066

01067

01068

01069

01070

01071

01072

01073

01074

01075

01076

01077

01078

01079

01080

01081

01082

01095

01096

01097

01098

01099

01100

51751

nd

120

nd

nd

nd

nd

nd

nd

nd

nd

nd

100

nd

nd

25

60

nd

45

60

nd

40

40

nd

nd

nd

nd

120

nd

nd

nd

5250

7000

17650

45

50 m. upslope from Lizzard Pit  
Fire Hill Area  
Lizzard Pit Area  
Lizzard Pit cliff by S-29  
by Sweden Shaft  
by Sweden Corner (+10,000 ppm Zn)  
by "

} off property

= 0.153 oz/ton Au  
= 0.204 oz/ton Au  
= 0.515 oz/ton Au

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = insufficient sample

North Corral  
Trench

South Corral  
Trench

E Cabill  
Trench

N Cabill  
Trench

Boundary Zone

BK Zone

Pick-Axe  
Zone

new Pit



# 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: 870431 GA

JOB NUMBER: 870431

PANICON DEVELOPMENT LTD.

PAGE 2 OF 2

SAMPLE #

Au

oob

nd

51752

nd

51753

160

51754

45

51755

10

51756

nd

51757

70

51758

nd

51759

nd

51760

75

51761

nd

51762

nd

51763

25

51764

nd

51765

nd

51766

nd

51767

15

51768

nd

51769

120

51770

420

51771

40

51772

260

51773

60

51774

35

51775

60

51776

*with trench*

*sten-pit*

*PK Trench*

*Sweden Short*

*Sweden Short Trench*

*1.0 - 2.0 m*

*5.0 - 6.0 m*

*area of fly ash*

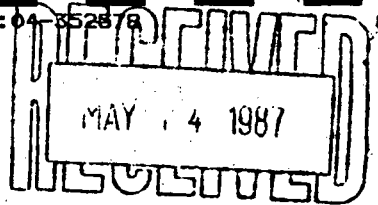
DETECTION LIMIT

5

nd = none detected

— = not analysed

is = insufficient sample



**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, PB, 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: HEDLY

REPORT#: 870431PA  
 JOB#: 870431  
 INVOICE#: 870431NA

DATE RECEIVED: 87/05/08  
 DATE COMPLETED: 87/05/12  
 COPY SENT TO:

ANALYST *W. Power*

SAMPLE NAME	AG PPM	AL I	AS PPM	AU PPM	BA PPM	BI PPM	CA I	CD PPM	CO PPM	CR PPM	CU PPM	FE I	K I	MG I	MN PPM	MO PPM	NA I	NI PPM	P I	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
N. Corral Tr. { 00458	.7	1.56	ND	ND	284	ND	1.28	.1	16	39	74	3.33	.25	.96	521	2	.03	5	.11	7	ND	ND	ND	5	34	8	ND	45
00459	.6	1.81	ND	ND	352	ND	1.41	.1	17	34	73	3.80	.28	1.11	596	ND	.03	8	.14	2	ND	ND	ND	5	45	ND	ND	49
00465	.1	3.04	17	ND	163	ND	4.59	.1	19	44	143	2.33	.14	1.22	389	4	.02	29	.20	7	ND	ND	ND	ND	185	ND	ND	97
00468	.1	2.20	ND	ND	108	ND	3.52	.1	13	53	33	2.95	.15	1.16	423	ND	.02	25	.30	3	ND	ND	ND	ND	73	ND	ND	81
00469	.4	2.95	ND	ND	168	ND	1.93	.1	14	68	44	3.54	.24	1.54	324	ND	.03	27	.25	6	ND	ND	ND	ND	67	ND	6	80
S. Corral Tr. { 00471	.3	3.59	27	ND	156	ND	4.14	.1	12	49	76	3.12	.17	.86	309	ND	.02	26	.32	2	ND	ND	ND	ND	161	ND	ND	73
00476	5.2	.45	ND	3	48	ND	.79	.1	16	22	1856	36.17	.39	.15	35	12	.18	27	.19	25	ND	ND	ND	ND	61	ND	ND	38
00477	.1	.50	ND	ND	93	ND	25.39	.1	ND	6	53	1.58	.01	7.91	477	ND	.06	5	.03	10	ND	ND	ND	ND	227	ND	ND	12
00479	.5	1.39	11	ND	119	ND	.91	.1	14	33	49	1.88	.12	.68	207	1	.01	16	.03	3	ND	ND	ND	ND	41	10	ND	18
00483	.6	3.40	ND	ND	222	ND	2.20	.1	11	52	56	1.67	.16	.76	230	4	.01	17	.06	9	ND	ND	ND	ND	91	7	ND	33
E-W CAHILL TR. { 00485	.7	2.04	13	ND	214	ND	.81	.1	14	61	50	2.54	.16	.79	245	6	.01	22	.08	8	ND	ND	ND	ND	46	12	ND	56
00486	.5	2.47	4	ND	263	ND	1.61	.1	11	48	46	1.67	.16	.61	197	5	.01	14	.06	3	ND	ND	ND	ND	70	11	ND	28
00494	.2	3.04	ND	ND	114	ND	3.66	.1	9	42	30	1.41	.14	.44	447	ND	.01	13	.03	5	ND	ND	ND	ND	90	4	ND	25
00495	.1	.64	6	ND	36	ND	11.89	.1	4	87	12	2.08	.01	.17	1535	5	.01	13	.08	ND	ND	ND	ND	ND	48	ND	ND	76
01065	.8	2.22	5	ND	6	ND	3.74	.2	5	12	58	.77	.12	.14	321	ND	.01	11	.08	7	ND	ND	ND	ND	49	6	ND	58
01066	.6	1.81	117	ND	27	ND	3.08	.1	8	60	75	1.37	.14	.30	446	5	.01	12	.10	4	ND	ND	ND	ND	94	5	ND	55
01067	.2	3.74	66	ND	22	ND	11.13	.1	6	8	111	1.62	.01	.10	836	13	.01	23	.14	7	ND	ND	ND	ND	277	ND	ND	6
01068	.7	1.89	3	ND	9	ND	5.52	.1	8	43	183	1.18	.11	.44	602	ND	.01	5	.10	3	ND	ND	ND	ND	22	ND	ND	21
01069	.8	1.46	24	ND	6	ND	3.84	.1	8	12	70	.94	.13	.25	572	1	.01	7	.10	2	ND	ND	ND	ND	23	5	ND	45
01070	.6	3.90	292	ND	40	ND	2.97	.1	17	51	106	2.50	.14	.22	190	14	.01	35	.13	12	ND	ND	ND	ND	239	ND	ND	26
01071	.4	6.35	ND	ND	53	ND	3.47	.1	15	13	52	5.41	.22	1.29	162	ND	.01	13	.08	8	ND	ND	ND	ND	674	ND	ND	12
01072	1.2	3.74	16	ND	114	ND	2.58	.1	13	21	151	5.58	.17	.80	423	ND	.01	6	.11	7	ND	ND	ND	ND	173	ND	ND	31
01073	4.1	1.46	153	ND	22	ND	5.22	132.6	15	10	247	2.43	.14	.17	432	2	.03	48	.08	58	ND	ND	4	ND	125	ND	ND	10461
01074	2.1	1.50	ND	ND	4	ND	3.16	8.1	11	55	630	2.04	.16	.17	440	4	.01	21	.08	7	ND	ND	ND	ND	38	5	ND	826
01075	13.9	1.53	41	ND	3	ND	2.54	52.1	6	24	343	2.00	.16	.13	503	2	.01	25	.11	5660	ND	ND	14	ND	24	ND	ND	4044
Boundary Zone { 01076	1.2	2.62	47	ND	27	ND	2.97	1.3	8	11	42	1.81	.16	.13	303	1	.01	9	.10	79	ND	ND	ND	ND	117	8	ND	134
01077	.9	5.54	132	ND	58	ND	2.97	.1	17	29	60	4.24	.17	.52	112	3	.01	11	.08	34	ND	ND	3	ND	420	ND	ND	33
01078	.8	5.95	1089	ND	101	ND	3.52	.1	27	20	85	3.97	.16	.44	90	1	.01	12	.08	23	ND	ND	5	ND	522	ND	ND	19
01079	1.3	1.82	14	ND	48	ND	2.07	.8	23	64	76	3.52	.17	.39	129	6	.01	29	.17	20	ND	ND	ND	ND	106	6	ND	110
01080	1.1	1.22	18	ND	64	ND	1.79	.1	8	45	18	2.08	.15	.32	202	1	.01	9	.07	14	ND	ND	ND	ND	150	7	ND	37
01081	.8	1.08	354	ND	2	ND	4.97	.3	15	51	83	2.57	.13	.30	330	3	.01	16	.08	4	ND	ND	60	2	87	ND	ND	91
01082	1.2	1.77	350	ND	1	ND	6.35	42.2	19	51	84	3.00	.10	.36	388	ND	.01	17	.10	132	ND	ND	88	ND	102	ND	ND	2733
01095	2.6	1.66	9	3	12	5	2.42	1.2	6	47	174	.97	.16	.26	339	4	.01	7	.07	13	ND	ND	5	2	42	13	ND	99
01096	2.1	3.30	ND	ND	37	ND	3.82	12.8	12	54	70	1.46	.14	.48	369	2	.01	18	.07	640	ND	ND	ND	ND	134	ND	5	920
01097	2.4	1.67	ND	ND	9	ND	8.48	24.2	13	34	200	1.67	.08	.14	641	4	.01	21	.08	38	ND	ND	ND	ND	140	ND	ND	2118
Pick Area Zone { 01098	2.8	.26	435	6	7	196	.46	.1	122	43	1759	23.88	.26	.08	248	5	.01	32	.07	4	ND	ND	15	ND	27	ND	1821	47
01099	4.1	.28	611	7	5	326	.63	.1	118	47	3592	20.64	.22	.08	321	6	.01	25	.07	ND	ND	ND	3	ND	23	ND	840	71
01100	5.2	.48	732	18	8	536	.55	.1	144	60	2539	19.73	.20	.17	405	3	.01	29	.08	2	ND	ND	6	ND	34	ND	949	32
Gabri Pit - 51751	2.5	2.13	46	ND	40	3	1.54	2.4	21	58	200	3.42	.14	.54	348	6	.01	21	.07	762	ND	ND	ND	ND	101	ND	10	191
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
51752	.6	2.50	586	ND	64	3	1.20	.1	16	67	67	2.68	.15	.40	126	ND	.01	13	.06	16	ND	ND	3	ND	170	7	4	14
51753	.4	2.42	184	ND	71	ND	3.77	.3	9	85	41	1.73	.14	.41	263	7	.01	19	.08	4	ND	ND	ND	ND	324	ND	ND	23
51754	.6	2.32	396	ND	185	8	2.75	.3	8	131	55	1.70	.15	.60	230	3	.01	45	.12	7	ND	ND	ND	ND	517	ND	ND	48
51755	.1	2.20	95	ND	103	ND	5.80	.3	2	87	14	.83	.13	.60	333	6	.01	25	.12	2	ND	ND	ND	ND	772	ND	ND	19
51756	.3	3.04	809	ND	122	5	1.04	.1	7	84	29	2.70	.22	1.18	282	1	.01	11	.04	5	ND	ND	4	ND	242	ND	ND	32
51757	.4	2.75	1191	ND	57	4	1.27	.1	16	78	59	3.00	.14	.48	170	6	.01	14	.07	9	ND	ND	4	ND	279	ND	ND	13
51758	.6	2.77	3158	ND	60	ND	1.18	.1	20	60	57	3.06	.14	.59	188	ND	.01	11	.07	4	ND	ND	6	ND	245	ND	ND	14
51759	.5	3.08	649	ND	85	ND	1.06	.1	18	40	55	3.22	.16	.66	262	2	.01	12	.07	6	ND	ND	4	ND	481	ND	ND	21
51760	.6	3.20	599	ND	89	ND	1.04	.1	18	44	61	3.17	.17	.64	202	ND	.01	12	.07	6	ND	ND	6	ND	329	3	ND	17
51761	1.2	2.20	84	ND	21	ND	2.79	.1	13	53	242	3.02	.13	.34	674	4	.02	21	.17	9	ND	ND	ND	ND	113	ND	ND	43
51762	.6	2.50	102	ND	16	ND	3.06	.1	9	37	59	2.65	.13	.45	904	ND	.02	11	.08	9	ND	ND	ND	ND	105	ND	ND	70
51763	.8	4.25	78	ND	58	ND	6.50	.2	22	33	149	1.83	.08	.44	192	2	.01	15	.14	11	ND	ND	3	ND	279	ND	ND	28
51764	.6	4.07	62	ND	72	ND	3.25	.6	13	42	71	1.20	.11	.48	212	2	.01	14	.10	131	ND	ND	5	ND	219	ND	ND	78
51765	.6	3.50	115	ND	62	3	3.80	1.2	20	43	92	1.37	.12	.40	246	1	.01	17	.08	24	ND	ND	4	ND	183	ND	ND	87
51766	1.1	3.99	ND	ND	146	ND	5.39	1.7	14	37	137	1.75	.12	.80	322	3	.02	19	.10	92	ND	ND	ND	ND	183	ND	ND	140
51767	1.6	3.16	74	ND	54	ND	3.32	4.1	8	74	51	1.21	.14	.60	463	1	.03	21	.13	193	ND	ND	6	ND	99	ND	ND	363
51768	1.7	3.59	18	ND	70	ND	2.77	2.1	16	52	197	2.02	.15	.60	293	5	.02	23	.08	108	ND	ND	3	ND	151	ND	ND	182
51769	1.6	2.63	62	ND	72	3	2.02	1.2	16	69	92	1.97	.16	.56	281	3	.01	30	.08	18	ND	ND	5	ND	125	6	ND	75
51770	2.2	1.75	7	ND	18	ND	2.15	.1	26	42	474	3.17	.13	.24	435	2	.02	46	.07	2	ND	ND	ND	ND	52	5	ND	15
51771	1.7	1.43	201	ND	5	ND	2.13	.1	10	64	262	7.13	.15	.15	721	4	.04	32	.08	ND	ND	ND	ND	ND	28	ND	ND	10
51772	.5	3.00	300	ND	7	ND	2.87	.1	10	69	433	2.97	.12	.17	569	4	.01	11	.11	2	ND	ND	ND	ND	87	ND	ND	3
51773	2.2	1.88	288	ND	5	ND	1.70	.1	48	38	1149	14.96	.19	.08	369	ND	.11	82	.07	130	ND	ND	ND	ND	68	ND	ND	127
51774	.4	6.41	38	ND	77	ND	3.16	.1	16	64	154	3.65	.26	1.13	468	4	.03	17	.14	8	ND	ND	8	ND	120	ND	ND	28
51775	.1	1.70	ND	ND	16	ND	1.12	.1	17	54	220	21.07	.22	.27	587	3	.15	16	.07	ND	ND	ND	ND	ND	49	ND	ND	41
51776	.1	3.54	43	ND	27	ND	2.12	.2	8	75	74	2.41	.15	.64	374	6	.01	15	.08	4	ND	ND	3	ND	72	ND	ND	17
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

N. Trench

G. Sewer Pit

BK Trench

Sweater Shaft  
Shaft Trench



# VANGEOCHEM LAB LIMITED

MAIN OFFICE  
1521 PEMBERTON AVE.  
NORTH VANCOUVER, B.C. V7P 2S3  
(604) 886-5211 TELEX: 04-352578

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

RECEIVED  
MAY 4 1981

REPORT NUMBER: 870412 GA

JOB NUMBER: 870412

PANICON DEVELOPMENT LTD.

PAGE 1 OF 2

SAMPLE #

Au

opb

nd

840

50

nd

10

nd

nd

nd

nd

nd

25

nd

nd

nd

nd

nd

nd

nd

nd

135

15

5

160

nd

nd

nd

nd

nd

nd

nd

nd

nd

nd

nd

60

60

nd

nd

10

5

DETECTION LIMIT

nd = none detected

- = not analysed

is = insufficient sample

Swale Strip  
boundary zone  
N Carrall Trench  
S Carrall Trench  
E W Carrall Trench  
N Carrall Trench  
Boundary Zone

unaltered copper. Cong.  
hand grab of massive cpg S of powerline  
N. Carrall Trench  
powerline showing above 00455+56 original grab sample



# VANGEOCHEM LAB LIMITED

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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

REPORT NUMBER: 870412 GA

JOB NUMBER: 870412

PANICON DEVELOPMENT LTD.

PAGE 2 OF 2

SAMPLE #

Au

oob

40

nd

nd

nd

nd

nd

*← powerline showing*

01090

01091

01092

01093

01094

01095

*boundary zone*

*pic zone*

DETECTION LIMIT

5

nd = none detected

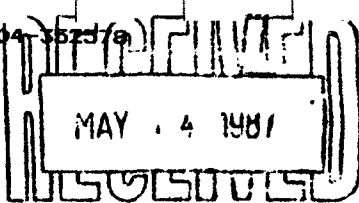
-- = not analysed

is = insufficient sample



VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1521 PEMBERTON AVE. N. VANCOUVER B.C. V7P 2S3 PH: (604) 986-5211 TELEX: 04 352376  
 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, M, PT AND SR. AU AND PD DETECTION IS 3 PPM.  
 IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -- NOT ANALYZED

COMPANY: PAMICON DEVELOPMENT  
 ATTENTION:  
 PROJECT:

REPORT#: 870412PA  
 JOB#: 870412  
 INVOICE#: 870412NA

DATE RECEIVED: 87/05/05  
 DATE COMPLETED: 87/05/12  
 COPY SENT TO:

ANALYST *W. P. Jones*

PAGE 1 OF 2

SAMPLE NAME	AG PPH	AL %	AS PPH	AU PPH	BA PPH	BI PPH	CA %	CD PPH	CO PPH	CR PPH	CU PPH	FE %	K %	MG %	MN PPH	MO PPH	NA %	NI PPH	P %	PB PPH	PD PPH	PT PPH	SB PPH	SM PPH	SR PPH	U PPH	V PPH	ZN PPH
Sweden Slott - 00454	.1	2.08	7	ND	12	ND	13.93	.1	4	28	100	.80	.01	.25	339	1	.01	16	.08	6	ND	ND	ND	ND	130	ND	ND	53
00455	30.4	1.79	ND	ND	3	ND	2.49	.1	38	44	6706	8.01	.12	.20	523	ND	.05	23	.07	1	ND	ND	ND	ND	24	ND	ND	43
Boundary Zone 00456	.1	3.87	11	ND	62	ND	5.67	1.5	7	23	68	1.38	.06	.22	476	ND	.01	18	.10	25	ND	ND	ND	ND	220	ND	ND	165
00457	.9	2.02	ND	ND	316	ND	1.89	.1	18	57	82	4.08	.22	1.11	666	2	.03	16	.08	12	ND	ND	ND	7	58	ND	ND	42
00460	.6	2.31	4	ND	248	ND	2.16	.1	19	26	156	3.40	.20	.85	653	ND	.02	11	.14	7	ND	ND	ND	4	119	ND	ND	52
W. Corral Tr. 00461	.5	2.59	ND	ND	408	9	1.98	.1	21	47	53	3.50	.20	1.58	454	2	.03	23	.11	8	ND	ND	ND	5	81	ND	ND	44
00462	.1	2.41	7	ND	82	ND	4.45	.6	12	52	136	1.81	.10	.54	482	ND	.02	22	.34	9	ND	ND	ND	ND	110	ND	ND	115
00463	1.9	.60	28	ND	13	ND	11.44	17.7	48	26	934	3.22	.01	.34	474	ND	.12	164	.17	99	ND	ND	ND	ND	152	ND	ND	1063
00464	4.1	1.86	ND	ND	47	ND	11.83	.5	5	46	65	1.16	.01	.60	326	ND	.02	16	.40	2	ND	ND	ND	ND	260	ND	ND	77
00466	.3	1.54	25	ND	19	ND	4.55	.3	18	78	197	1.67	.08	.26	356	15	.01	23	.11	10	ND	ND	ND	ND	67	ND	ND	48
00467	.2	2.83	ND	ND	150	ND	3.44	.6	14	42	82	2.66	.14	1.41	279	ND	.04	27	.28	37	ND	ND	ND	ND	89	ND	ND	85
00470	.1	2.47	ND	ND	153	ND	11.94	.1	8	44	42	2.45	.01	1.00	381	1	.04	18	.19	3	ND	ND	ND	ND	311	ND	ND	90
00472	1.1	3.35	7	ND	157	ND	2.75	.1	12	52	343	8.05	.20	1.26	243	3	.08	29	.24	17	ND	ND	ND	ND	132	ND	ND	63
00474	.5	3.12	ND	ND	187	ND	2.32	.1	12	69	28	2.57	.22	1.36	212	3	.02	19	.24	14	ND	ND	ND	2	139	ND	5	49
00475	.6	2.97	ND	ND	172	4	1.89	.1	10	72	20	2.50	.22	1.31	219	2	.03	19	.22	16	ND	ND	ND	ND	117	ND	ND	67
00477	.1	.28	ND	ND	43	ND	22.43	.1	2	11	111	.89	.01	6.25	494	ND	.10	7	.01	5	ND	ND	ND	ND	221	ND	ND	11
00478	.3	3.45	ND	ND	115	ND	2.79	.2	11	32	60	1.92	.12	1.04	300	1	.02	10	.12	12	ND	ND	ND	ND	186	ND	ND	69
00480	.7	2.08	ND	ND	301	4	1.04	.1	14	41	33	1.95	.15	.77	242	ND	.01	17	.05	10	ND	ND	ND	2	57	3	ND	23
00481	.7	1.10	8	ND	205	ND	.77	.1	12	55	45	1.75	.12	.55	291	3	.01	13	.08	7	ND	ND	ND	3	26	3	ND	17
00482	.5	3.34	ND	ND	152	ND	1.92	.1	18	24	98	1.58	.14	.34	155	3	.01	22	.06	12	ND	ND	ND	ND	82	ND	ND	10
00484	1.6	2.32	4	ND	457	4	.76	.6	21	96	78	3.40	.19	1.31	267	12	.05	46	.07	15	ND	ND	ND	4	39	ND	ND	74
00487	.1	.44	ND	ND	31	ND	13.78	.1	3	41	13	1.33	.01	.15	1705	ND	.03	10	.05	ND	ND	ND	ND	ND	54	ND	ND	61
00488	.1	1.10	ND	ND	37	ND	9.55	.1	5	95	10	1.58	.01	.20	1217	6	.03	12	.06	ND	ND	ND	ND	ND	51	ND	ND	99
00489	.1	1.81	ND	ND	64	ND	4.92	.2	4	101	11	.93	.08	.28	578	22	.01	9	.06	7	ND	ND	ND	ND	89	ND	ND	66
00490	.1	1.20	4	ND	44	ND	4.69	.1	5	45	19	1.33	.08	.32	667	ND	.02	10	.06	4	ND	ND	ND	1	55	ND	ND	61
00491	1.1	1.53	3	ND	161	3	1.39	.1	19	59	80	1.92	.14	.46	199	13	.01	38	.11	10	ND	ND	ND	4	111	ND	3	24
00492	1.2	1.67	7	ND	74	ND	1.28	.1	15	34	59	1.62	.14	.35	193	2	.01	27	.12	13	ND	ND	ND	4	84	6	ND	25
00493	1.4	.46	54	ND	32	ND	.89	.1	17	70	87	1.60	.12	.13	118	8	.01	44	.13	9	ND	ND	ND	6	22	9	ND	9
00496	.1	1.20	ND	ND	51	ND	6.85	.2	6	60	14	1.77	.06	.38	905	ND	.03	12	.06	5	ND	ND	ND	2	44	ND	ND	51
00497	.2	1.70	11	ND	25	ND	3.65	.1	5	65	13	1.22	.08	.40	433	7	.02	7	.06	10	ND	ND	ND	ND	30	ND	ND	48
00498	.6	2.52	3	ND	266	ND	3.59	.4	15	52	45	2.70	.15	.64	882	4	.04	19	.08	26	ND	ND	ND	1	121	ND	ND	95
00499	.1	2.75	ND	ND	21	ND	13.88	.8	8	46	75	.91	.01	.28	1270	3	.02	58	.22	20	ND	ND	ND	ND	101	ND	ND	78
01083	1.2	3.02	ND	ND	92	ND	8.08	24.1	7	57	117	1.62	.04	.24	330	5	.38	23	.11	30	ND	ND	ND	ND	294	ND	ND	2176
01084	.3	2.57	ND	ND	58	ND	9.23	17.8	15	39	149	2.70	.01	.22	330	7	.17	20	.08	10	ND	ND	ND	ND	442	ND	ND	862
01085	.9	4.51	148	ND	19	ND	2.95	.1	17	34	127	6.51	.14	.38	93	2	.08	19	.08	18	ND	ND	ND	ND	345	ND	ND	26
Boundary Zone 01086	1.1	5.58	1674	ND	32	ND	3.00	.1	26	21	65	4.69	.14	.71	108	ND	.04	12	.08	34	ND	ND	5	ND	521	ND	ND	25
01087	.7	2.87	25	ND	17	ND	3.52	.1	14	29	54	4.67	.12	.13	602	ND	.06	15	.07	10	ND	ND	ND	ND	86	ND	ND	27
01088	1.5	4.76	236	ND	22	ND	3.07	.1	21	22	78	5.91	.14	.30	130	1	.06	12	.07	21	ND	ND	ND	ND	312	ND	ND	8
01089	1.1	5.75	6	ND	42	ND	3.20	.1	16	28	46	3.69	.14	.71	129	2	.04	10	.08	25	ND	ND	3	ND	384	ND	ND	9
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 PPH	AL I	AS PPH	AU PPH	BA PPH	BI PPH	CA I	CD PPH	CO PPH	CR PPH	CU PPH	FE I	K I	MG I	MN PPH	MO PPH	NA I	NI PPH	P I	PB PPH	PD PPH	PT PPH	SB PPH	SN PPH	SR PPH	U PPH	M PPH	ZN PPH
01090	25.6	1.66	22	ND	3	ND	3.07	90.5	13	71	800	3.77	.12	.08	387	3	.56	44	.13	15870	ND	ND	14	ND	26	ND	ND	6533
01091	3.4	2.52	68	ND	4	ND	4.23	26.7	5	66	64	1.12	.10	.16	680	ND	.19	24	.12	2923	ND	ND	12	ND	28	ND	ND	2141
01092	4.6	3.90	42	ND	48	ND	3.57	8.6	13	66	99	1.12	.10	.32	307	2	.06	17	.07	1925	ND	ND	4	ND	139	3	4	621
01093	8.8	2.88	3	ND	52	ND	7.86	22.8	11	50	125	1.18	.05	.40	595	2	.15	20	.08	3749	ND	ND	3	ND	106	ND	ND	1410
01094	4.5	3.00	11	ND	22	ND	4.42	17.7	8	54	75	.86	.08	.26	580	1	.11	16	.08	3403	ND	ND	3	ND	88	ND	8	1074
01095	2.1	2.70	ND	ND	24	ND	3.66	10.8	8	37	117	1.16	.11	.26	426	2	.09	11	.08	90	ND	ND	ND	1	68	8	ND	812
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

Boundary zone  
BK zone

← lower level than  
BK zone



# 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: 870386 GA

JOB NUMBER: 870386

AMICON DEVELOPMENT LTD.

PAGE 1 OF 1

SAMPLE #	Au
01051	nd
01052	nd
01053	nd
01054	nd
01055	nd
01056	nd
05355 dump	40
05356	40
05357	nd
05358	nd
05359	nd
05360 dump	755
05361	nd
05362	nd
05363	nd
05364	nd
05365	995
05366	30
05367	nd
05368	nd
05369	nd
05370	nd
05371	55
05372	nd
S-29	25

Winters  
Gold  
Grid

Gravel Pit

Sunder Shaft  
Sunder Shaft

Winters  
Grid  
Grid

in Lizzard Pit area

small shear of mass pyrr = cpy

And. Sill contact below Lizzard Pit.

DETECTION LIMIT

5

nd = none detected

— = not analysed

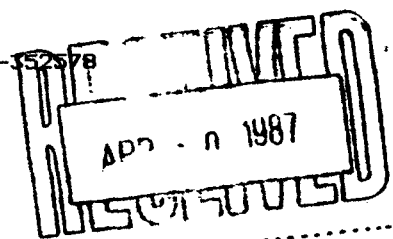
is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE: 1521 PEMBERTON AVE. N. VANCOUVER B.C. V7P 2S3 PH: (604) 986-5211 TELEX: 04-152578  
 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: HEDLY

REPORT#: 870386PA  
 JOB#: 870386  
 INVOICE#: 870386NA

DATE RECEIVED: 87/04/27  
 DATE COMPLETED: 87/04/29  
 COPY SENT TO:

ANALYST W. Peaves

PAGE 1 OF 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
01051	.5	1.29	42	ND	102	ND	.58	.1	3	60	36	2.45	.07	.39	235	3	.01	13	.01	13	ND	ND	ND	ND	24	8	ND	23
01052	.1	.86	ND	ND	325	ND	1.62	.1	1	58	6	1.45	.06	.30	711	4	.01	1	.05	6	ND	ND	ND	ND	66	4	ND	45
01053	.1	.50	ND	ND	48	ND	4.91	.1	2	4	46	1.16	.01	.34	902	ND	.01	11	.01	ND	ND	ND	ND	ND	37	ND	4	13
01054	.1	2.86	ND	ND	118	ND	9.67	.1	2	4	132	2.02	.01	.56	1004	ND	.01	8	.01	3	ND	ND	ND	ND	88	ND	18	20
01055	.1	.44	5	ND	5	ND	11.21	.1	4	33	196	1.46	.01	.08	1199	ND	.01	12	.05	ND	ND	ND	ND	ND	26	ND	ND	19
01056	.2	1.61	22	ND	282	ND	.60	.1	8	34	36	2.00	.15	.88	154	ND	.01	14	.01	11	ND	ND	ND	1	14	7	ND	36
Gardiff-05355-dump	5.3	1.51	ND	ND	6	ND	4.40	43.1	11	52	248	2.75	.01	.16	897	3	.19	22	.07	1759	ND	ND	ND	ND	32	ND	ND	2522
05356	.2	3.55	199	ND	136	ND	2.15	.6	15	13	78	2.81	.07	.48	241	ND	.01	11	.13	64	ND	ND	3	ND	283	ND	ND	97
05357	.1	2.68	11	ND	26	ND	2.25	.3	12	27	96	2.31	.02	.30	337	ND	.01	13	.12	25	ND	ND	ND	ND	132	ND	ND	83
05358	2.1	2.45	58	ND	60	ND	1.87	.6	12	18	110	2.33	.05	.35	273	2	.01	13	.11	39	ND	ND	ND	ND	157	ND	ND	131
sueden 05359	.1	3.35	180	ND	30	ND	2.86	.1	12	36	91	3.12	.02	.45	652	1	.02	15	.08	15	ND	ND	ND	ND	112	ND	ND	57
Stett 05360 dump	1.2	1.13	2775	ND	2	ND	2.45	.1	65	34	95	3.09	.01	.11	790	ND	.02	20	.11	3	ND	ND	ND	ND	18	ND	ND	13
05361	.6	1.72	27	ND	17	ND	7.58	.1	14	10	47	3.77	.01	.08	433	ND	.02	22	.08	11	ND	ND	ND	ND	457	ND	ND	71
05362	.1	1.82	14	ND	27	ND	7.58	.2	13	38	53	2.52	.01	.08	366	2	.01	25	.08	6	ND	ND	ND	ND	425	ND	ND	55
05363	.1	4.16	12	ND	39	ND	12.28	.3	14	7	151	2.24	.01	.05	579	ND	.01	22	.10	8	ND	ND	ND	ND	1711	ND	ND	36
W.G. 05364	4.1	2.95	ND	ND	242	ND	5.23	.1	8	15	112	2.13	.01	.46	203	ND	.01	3	.08	6	ND	ND	ND	ND	170	ND	ND	29
Winters 05365 Gold	4.6	.58	867	ND	6	ND	.98	.1	96	7	1423	28.25	.17	.05	982	ND	.18	18	.01	ND	ND	ND	ND	68	17	ND	ND	47
W.G. 05366	.1	2.27	36	ND	83	ND	4.29	.1	10	56	130	4.66	.01	.15	479	10	.03	28	.04	3	ND	ND	ND	ND	102	ND	ND	19
W.G. 05367	1.1	.22	15	ND	165	ND	.51	.1	4	12	60	1.21	.07	.17	54	1	.01	3	.07	7	ND	ND	ND	4	16	13	ND	9
W.G. 05368	.6	.94	5	ND	40	ND	1.03	.1	8	36	70	1.23	.05	.06	44	ND	.01	14	.08	8	ND	ND	ND	ND	34	10	ND	7
W.G. 05369	.1	1.82	ND	ND	55	ND	3.06	.1	2	117	25	.88	.03	.20	444	9	.01	16	.03	11	ND	ND	ND	ND	50	ND	ND	16
W.G. 05370	.1	.68	3	ND	325	3	.76	.1	3	49	19	1.10	.06	.30	155	ND	.01	14	.01	8	ND	ND	ND	ND	14	8	ND	13
W.G. 05371	.1	4.16	ND	ND	163	ND	2.41	.1	9	35	64	2.65	.07	.44	176	1	.01	29	.06	15	ND	ND	5	ND	68	ND	ND	32
W.G. 05372	.1	2.40	ND	ND	365	ND	1.38	.1	7	106	37	2.00	.07	.48	154	ND	.01	22	.05	13	ND	ND	ND	ND	48	ND	ND	35
below S-29 Lizard Pit	.1	2.91	42	ND	81	ND	1.87	.1	6	46	53	2.02	.04	.27	119	3	.01	13	.08	15	ND	ND	ND	ND	272	ND	ND	10
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: 870430 GA

JOB NUMBER: 870430

PRIMICON DEVELOPMENT LTD.

PAGE 1 OF 5

SAMPLE #	Au ppb
H-164	--
H-165	--
H-166	--
H-167	--
H-168	--
H-169	--
H-170	--
H-171	--
H-172	--
H-173	--
H-174	--
H-175	--
H-176	--
H-177	--
H-178	--
H-179	--
H-180	--
H-181	--
H-182	--
H-183	--
H-184	--
H-185	--
H-186	--
H-187	--
H-188	--
H-189	--
H-190	--
H-191	--
H-192	--
H-193	--
H-194	--
H-195	--
H-196	--
H-197	--
H-198	--
H-199	--
H-200	--
H-201	--
H-202	--

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) 251-5658

REPORT NUMBER: 870430 GA

JOB NUMBER: 870430

PANICON DEVELOPMENT LTD.

PAGE 2 OF 5

SAMPLE #	Au
H-203	---
H-204	---
H-205	---
H-206	---
H-207	---
H-208	---
H-209	---
H-210	---
H-211	---
H-212	---
H-213	---
H-214	---
H-215	---
H-216	---
H-217	---
H-218	---
H-219	---
H-220	---
H-221	---
H-222	---
H-223	nd
H-224	90
H-225	30
H-226	20
H-227	nd
H-228	nd
H-229	10
H-230	nd
H-231	5
H-232	5
H-233A	nd
H-233B	10
H-234	nd
H-235	nd
H-236	5
H-237	nd
H-238	5
H-239	5
H-240	nd

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: 870430 GA

JOB NUMBER: 870430

PANICON DEVELOPMENT LTD.

PAGE 3 OF 5

SAMPLE #	Au
	oob
H-241	nd
H-242	10
H-243	nd
H-244	20
H-245	nd
H-246	40
H-247	nd
H-248	10
H-249	5
H-250	10
H-251	10
H-252	nd
H-253	nd
H-254	5
H-255	nd
H-256	nd
H-257	nd
H-258	5
H-259	5
H-260	nd
H-261	nd
H-262	5
H-263	10
H-264	nd
H-265	5
H-266	nd
H-267	nd
H-268	5
H-269	nd
H-270	nd
H-271	nd
H-272	nd
H-273	nd
H-274	nd
H-275	nd
H-276	nd
H-277	10
H-278	5
H-279	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) 251-6856

REPORT NUMBER: 870430 GA

JOB NUMBER: 870430

PANICON DEVELOPMENT LTD.

PAGE 4 OF 5

SAMPLE #	Au
H-280	nd
H-281	5
H-286	--
H-287	10
H-288	nd
H-289	nd
H-290	nd
H-291	nd
H-292	nd
H-293	5
H-294	nd
H-295	5
H-296	nd
H-297	nd
H-298	nd
H-299	nd
H-300	nd
H-301	5
H-302	nd
H-303	5
H-304	15
H-305	5
H-306	nd
H-307	10
H-308	5
H-309	5
H-311	nd
H-312	nd
H-313	nd
H-314	nd
H-315	nd
H-316	5
H-317	nd
H-318	30
H-319	5
H-320	nd
H-321	5
H-322	15
H-323	20

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: 870430 GA

JOB NUMBER: 870430

PANICON DEVELOPMENT LTD.

PAGE 5 OF 5

SAMPLE #	Au ppb
H-324	10
H-325	30
H-326	10
H-327	5
H-328	5
H-329	10
H-330	10
H-331	5
H-332	—
H-333	40
H-334	25
H-335	45
H-336	65
H-337	50
H-338	20
H-339	70
H-340	70
H-341	155
H-342	115
H-343	10
H-344	10
H-345	1530
H-346	30
H-347	15
H-348	20
H-349	10
H-350	40
H-351	25
H-352	25
H-353	50
H-354	35
H-355	105
H-356	45
SILT#1TB	—

LH 50N  
10-2075W

75N  
1975-2075W

50N  
1900-2075W

00N  
2000-2075W

DETECTION LIMIT  
nd = none detected

5  
— = 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: HEDLY

REPORT#: 870430PA  
 JOB#: 870430  
 INVOICE#: 870430NA

DATE RECEIVED: 87/05/08  
 DATE COMPLETED: 87/05/14  
 COPY SENT TO:

ANALYST *W. Jones*

PAGE 1 OF 4

SAMPLE NAME	AG PPM	AL I	AS PPM	AU PPM	BA PPM	BI PPM	CA I	CD PPM	CO PPM	CR PPM	CU PPM	FE I	K I	MG I	MN PPM	MO PPM	NA I	NI PPM	P I	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	V PPM	ZN PPM
H-223	.6	4.32	52	ND	204	ND	.64	.8	21	15	108	3.59	.12	.36	1100	1	.03	42	.07	31	ND	ND	ND	ND	100	ND	ND	242
H-224	2.1	2.79	117	ND	80	ND	3.04	.1	45	11	831	11.39	.20	.68	1403	1	.08	198	.17	135	ND	ND	ND	ND	174	ND	ND	207
H-225	.1	.66	71	ND	48	ND	20.98	4.6	7	3	124	1.79	.01	.17	516	ND	.04	34	.11	9	ND	ND	ND	ND	368	ND	ND	393
H-226	.2	1.18	79	ND	59	ND	6.32	2.1	15	5	138	3.72	.08	.28	871	1	.06	50	.10	22	ND	ND	ND	ND	133	ND	ND	427
H-227	.3	2.72	30	ND	92	ND	1.21	.2	12	14	48	2.87	.12	.40	358	2	.03	19	.05	20	ND	ND	ND	ND	102	ND	ND	145
H-228	.6	2.91	5	ND	132	ND	.72	.2	12	18	40	3.18	.14	.45	661	1	.03	17	.02	20	ND	ND	ND	ND	73	ND	ND	140
H-229	.1	2.29	20	ND	139	ND	7.20	.5	12	15	69	2.79	.08	.64	550	ND	.03	22	.08	16	ND	ND	ND	ND	262	ND	ND	90
H-230	.6	3.24	14	ND	158	ND	1.86	.4	14	15	56	3.45	.16	.58	649	ND	.03	20	.04	23	ND	ND	ND	ND	196	ND	ND	109
H-231	.6	2.66	16	ND	96	ND	1.22	.3	14	17	63	3.45	.14	.55	473	1	.04	20	.04	27	ND	ND	ND	ND	116	ND	ND	119
H-232	.6	2.20	6	ND	70	ND	.88	.2	10	10	34	2.75	.14	.29	509	1	.04	19	.01	17	ND	ND	ND	ND	63	ND	ND	146
H-233A	.1	1.04	ND	ND	40	ND	25.10	2.5	8	4	82	1.92	.01	.17	755	2	.07	25	.04	11	ND	ND	ND	ND	474	ND	ND	296
H-233B	.1	.93	41	ND	29	ND	8.57	3.5	9	4	103	2.65	.03	.20	564	ND	.10	30	.06	14	ND	ND	ND	ND	176	ND	ND	560
H-234	.6	4.91	9	ND	218	ND	.44	.3	17	18	51	4.00	.14	.44	982	1	.07	19	.03	30	ND	ND	3	ND	64	ND	ND	205
H-235	.5	4.66	12	ND	281	ND	.52	.2	18	16	96	4.16	.14	.70	856	1	.08	26	.05	27	ND	ND	ND	ND	78	ND	ND	229
H-236	.8	4.22	18	ND	137	ND	.30	.2	14	12	60	2.92	.12	.38	570	1	.05	22	.15	24	ND	ND	3	ND	43	ND	ND	181
H-237	.8	3.65	ND	ND	162	ND	.69	.6	15	19	62	3.89	.16	.55	739	1	.08	20	.04	33	ND	ND	ND	ND	77	ND	ND	252
H-238	1.1	4.19	11	ND	191	ND	.81	.5	19	19	78	4.01	.13	.63	807	ND	.07	19	.03	35	ND	ND	ND	ND	96	ND	ND	159
H-239	.8	5.05	14	ND	186	ND	.45	.6	22	22	99	4.30	.14	.41	1090	2	.08	29	.06	84	ND	ND	4	ND	61	ND	3	162
H-240	.8	4.69	5	ND	284	ND	.54	1.3	20	19	87	3.97	.15	.38	1587	1	.08	31	.06	51	ND	ND	4	ND	86	ND	4	235
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	SM PPM	SR PPM	U PPM	W PPM	ZN PPM
H-241	.1	4.58	36	ND	158	ND	.53	1.3	21	21	116	4.19	.07	.41	874	ND	.03	36	.04	49	ND	ND	ND	ND	70	ND	ND	234
H-242	.1	4.07	7	ND	216	ND	.96	1.1	23	22	106	4.67	.12	.75	1528	ND	.04	27	.05	59	ND	ND	ND	ND	98	ND	ND	219
H-243	.1	4.00	27	ND	234	ND	.65	1.1	30	15	158	4.87	.11	.48	1424	ND	.04	39	.05	28	ND	ND	ND	ND	131	ND	ND	272
H-244	.1	.66	35	ND	39	ND	25.35	3.9	6	2	72	1.31	.01	.28	528	1	.03	18	.06	8	ND	ND	ND	ND	524	ND	ND	223
H-245	.1	.78	56	ND	47	ND	15.08	3.2	7	2	127	2.18	.01	.16	783	ND	.03	35	.13	18	ND	ND	ND	ND	382	ND	ND	305
H-246	.1	1.04	54	ND	44	ND	20.48	6.1	12	3	136	3.34	.01	.17	746	1	.06	36	.10	15	ND	ND	ND	ND	554	ND	ND	532
H-247	.1	2.72	ND	ND	270	ND	.96	.1	10	11	35	2.97	.15	.51	753	ND	.01	10	.08	8	ND	ND	ND	ND	79	ND	ND	81
H-248	.2	1.93	ND	ND	196	ND	.48	.1	11	15	27	3.40	.14	.58	503	ND	.02	10	.07	5	ND	ND	ND	2	39	ND	ND	71
H-249	.2	2.34	ND	ND	270	ND	.46	.1	11	14	24	3.44	.14	.60	610	ND	.02	8	.07	5	ND	ND	ND	2	38	ND	ND	83
H-250	.1	1.51	9	ND	172	ND	.34	.1	8	9	21	2.74	.12	.44	328	1	.01	7	.08	4	ND	ND	ND	2	23	ND	ND	43
H-251	.2	2.00	ND	ND	253	ND	.38	.1	11	15	21	3.12	.14	.56	557	1	.01	10	.05	15	ND	ND	ND	3	32	ND	ND	68
H-252	.1	2.40	ND	ND	263	ND	.48	.1	11	14	25	3.08	.12	.48	461	ND	.02	9	.06	15	ND	ND	ND	ND	41	ND	ND	73
H-253	.4	2.59	3	ND	343	ND	.59	.1	13	12	45	3.70	.17	.76	586	ND	.02	10	.07	9	ND	ND	ND	ND	49	ND	ND	70
H-254	.6	2.31	ND	ND	252	6	.54	.1	12	12	22	3.50	.20	.65	631	ND	.02	7	.11	10	ND	ND	ND	4	36	ND	3	73
H-255	.3	2.20	4	ND	218	ND	.38	.1	10	13	23	2.87	.13	.46	448	1	.01	9	.05	12	ND	ND	ND	ND	40	ND	ND	59
H-256	.3	2.66	ND	ND	367	ND	.48	.1	11	14	27	3.41	.16	.56	569	1	.02	9	.05	10	ND	ND	ND	1	39	ND	ND	86
H-257	.1	2.75	ND	ND	319	ND	.44	.1	11	16	26	3.18	.12	.50	1235	2	.02	12	.06	13	ND	ND	ND	ND	41	ND	ND	102
H-258	.2	2.70	ND	ND	257	ND	.34	.1	10	16	26	2.83	.12	.43	724	1	.01	11	.05	12	ND	ND	ND	ND	33	ND	ND	80
H-259	.3	2.79	ND	ND	348	ND	.48	.1	10	13	26	2.57	.13	.40	998	1	.01	11	.08	9	ND	ND	ND	ND	45	ND	ND	90
H-260	.4	2.29	3	ND	226	ND	.32	.1	9	12	20	2.50	.10	.40	562	1	.01	8	.03	9	ND	ND	ND	1	38	ND	ND	59
H-261	.3	2.47	6	ND	244	ND	.44	.1	12	19	33	3.34	.15	.60	586	1	.02	16	.05	13	ND	ND	ND	ND	44	ND	ND	79
H-262	.3	2.07	10	ND	231	ND	.50	.1	14	23	44	3.41	.17	.75	633	ND	.02	23	.10	14	ND	ND	ND	2	39	ND	ND	62
H-263	.4	2.12	3	ND	245	ND	.43	.1	11	21	28	3.32	.16	.64	415	1	.01	17	.07	10	ND	ND	ND	3	35	ND	ND	62
H-264	.2	2.13	ND	ND	203	5	.39	.1	11	15	19	3.02	.13	.52	469	1	.01	9	.05	9	ND	ND	ND	2	33	ND	ND	70
H-265	.3	2.40	ND	ND	236	ND	.46	.1	11	20	31	3.45	.15	.56	531	ND	.02	13	.06	7	ND	ND	ND	ND	43	ND	ND	80
H-266	.1	2.25	4	ND	191	ND	.56	.1	9	13	30	3.04	.16	.60	398	ND	.01	8	.07	8	ND	ND	ND	ND	50	ND	ND	60
H-267	.1	2.02	ND	ND	174	ND	.53	.1	9	18	33	3.20	.13	.52	428	1	.01	12	.04	7	ND	ND	ND	ND	65	ND	ND	60
H-268	.2	2.00	8	ND	166	ND	.48	.2	9	16	39	2.81	.12	.44	492	1	.01	11	.06	8	ND	ND	ND	ND	58	ND	ND	69
H-269	.2	2.07	18	ND	168	ND	.54	.1	12	17	75	3.07	.16	.56	474	1	.01	17	.03	11	ND	ND	ND	ND	83	ND	ND	74
H-270	.1	1.43	ND	ND	132	ND	2.02	.1	10	13	27	3.17	.14	.79	561	2	.01	11	.10	19	ND	ND	ND	ND	63	ND	7	50
H-271	.1	.28	7	ND	125	ND	30.32	.1	ND	3	11	.44	.01	.41	167	1	.01	4	.03	10	ND	ND	ND	ND	167	ND	ND	11
H-272	.1	1.58	3	ND	89	ND	1.12	.1	9	17	36	2.72	.12	.51	226	ND	.01	14	.03	2	ND	ND	ND	ND	33	ND	ND	45
H-273	.4	1.85	ND	ND	204	ND	.48	.3	11	17	43	2.84	.14	.43	792	ND	.01	27	.02	16	ND	ND	ND	ND	37	ND	ND	109
H-274	.6	1.00	17	ND	81	ND	.22	.1	3	16	31	1.95	.12	.24	154	1	.01	16	.03	8	ND	ND	ND	ND	24	9	ND	46
H-275	.4	2.04	4	ND	145	ND	.30	.1	9	18	43	2.54	.12	.38	397	1	.01	36	.03	8	ND	ND	ND	ND	30	4	ND	94
H-276	.3	3.29	ND	ND	170	ND	.13	.1	14	22	66	3.44	.08	.60	262	1	.02	37	.04	11	ND	ND	ND	ND	21	ND	ND	80
H-277	.1	3.29	19	ND	102	ND	.11	.1	49	25	267	4.17	.13	.54	1607	3	.02	96	.17	16	ND	ND	ND	ND	19	ND	ND	141
H-278	.1	2.98	33	ND	117	ND	.83	.1	18	20	68	4.16	.16	.60	1075	1	.02	45	.06	12	ND	ND	ND	ND	31	ND	ND	131
H-279	.4	3.17	16	ND	183	3	.34	.1	16	16	56	3.70	.17	.63	733	1	.02	22	.02	8	ND	ND	ND	ND	36	ND	ND	127
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 I	AS PPM	AU PPM	BA PPM	BI PPM	CA I	CD PPM	CO PPM	CR PPM	CU PPM	FE I	K I	MS I	MN PPM	MO PPM	NA I	NI PPM	P I	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	M PPM	ZN PPM
H-280	.6	2.37	4	ND	169	3	.44	.1	14	21	50	3.15	.17	.60	657	1	.01	18	.07	15	ND	ND	ND	ND	41	ND	ND	75
H-281	.6	3.94	4	ND	179	ND	.44	.1	21	22	95	4.67	.24	1.04	823	1	.02	27	.06	21	ND	ND	ND	ND	51	ND	ND	113
H-287	.1	1.22	22	ND	105	ND	4.62	.1	7	19	24	2.29	.12	.59	385	ND	.01	13	.07	6	ND	ND	ND	ND	49	ND	ND	38
H-288	.4	1.16	ND	ND	151	ND	5.10	.3	8	10	32	2.18	.13	.60	689	1	.01	17	.02	2	ND	ND	ND	ND	122	ND	ND	44
H-289	.4	1.70	ND	ND	129	ND	.96	.1	10	14	35	2.70	.15	.79	804	1	.01	15	.02	8	ND	ND	ND	1	50	ND	ND	52
H-290	.5	2.58	ND	ND	237	3	.34	.1	15	31	30	3.87	.16	.81	708	2	.01	17	.04	13	ND	ND	ND	ND	21	ND	ND	90
H-291	.8	2.24	14	ND	131	ND	.40	.1	11	24	63	4.07	.16	.69	408	1	.01	17	.04	11	ND	ND	ND	ND	34	3	ND	89
H-292	.6	3.18	ND	ND	348	ND	.52	.1	21	24	52	4.33	.20	.97	1419	1	.02	29	.04	12	ND	ND	ND	ND	31	ND	ND	146
H-293	.8	1.72	10	ND	192	ND	.54	.1	16	19	91	3.97	.15	.30	1332	3	.01	57	.05	17	ND	ND	ND	ND	41	5	ND	135
H-294	.6	2.29	ND	ND	138	ND	.27	.1	11	22	28	2.92	.16	.51	545	1	.01	20	.03	22	ND	ND	ND	ND	24	7	ND	59
H-295	.6	2.47	6	ND	192	ND	.30	.1	12	21	37	2.79	.14	.43	544	1	.01	29	.03	19	ND	ND	ND	ND	32	7	ND	74
H-296	.6	3.08	ND	ND	213	ND	.40	.1	17	24	62	3.39	.16	.58	679	1	.01	27	.07	19	ND	ND	ND	ND	37	3	ND	87
H-297	.5	2.72	6	ND	206	3	.40	.2	15	22	39	3.08	.15	.48	1062	1	.01	25	.08	23	ND	ND	ND	ND	36	ND	ND	112
H-298	.6	2.97	ND	ND	151	3	.36	.2	16	28	58	3.70	.16	.66	622	1	.01	41	.05	18	ND	ND	ND	ND	30	ND	ND	109
H-299	.6	3.22	15	ND	152	ND	.56	.1	15	30	67	3.59	.13	1.13	1670	1	.02	55	.05	23	ND	ND	ND	ND	38	ND	ND	114
H-300	.8	3.02	3	ND	143	ND	.40	.1	15	22	52	3.50	.15	.55	682	2	.01	34	.04	17	ND	ND	3	ND	34	ND	ND	113
H-301	.6	3.37	ND	ND	203	3	.34	.1	20	19	70	4.32	.19	.69	996	1	.02	25	.06	15	ND	ND	ND	ND	32	ND	ND	129
H-302	.5	3.27	11	ND	193	3	.46	.1	25	24	109	5.41	.22	.83	1200	3	.03	52	.05	16	ND	ND	ND	ND	40	ND	ND	182
H-303	.6	3.49	111	ND	184	ND	.51	.1	24	14	76	4.89	.20	.80	840	1	.02	25	.05	13	ND	ND	ND	ND	78	ND	ND	175
H-304	.8	3.59	70	ND	200	4	.55	.2	27	23	104	5.35	.25	1.29	1301	2	.03	43	.05	12	ND	ND	ND	ND	71	ND	ND	145
H-305	.8	4.44	17	ND	250	ND	.81	.1	17	22	61	4.35	.22	.93	577	1	.02	28	.04	15	ND	ND	3	ND	143	ND	ND	113
H-306	.6	2.45	4	ND	147	ND	.40	.1	13	23	42	3.27	.16	.56	565	1	.01	19	.04	13	ND	ND	ND	ND	35	4	3	83
H-307	.6	2.27	14	ND	149	ND	.39	.1	16	21	46	3.34	.17	.56	794	2	.01	25	.04	14	ND	ND	ND	ND	32	ND	ND	88
H-308	.4	2.90	57	ND	153	ND	.77	.2	22	28	80	4.29	.20	1.00	1338	1	.02	50	.06	13	ND	ND	ND	ND	44	ND	ND	126
H-309	.4	4.22	9	ND	228	3	.46	.1	28	17	137	5.90	.27	1.45	1364	2	.03	30	.08	13	ND	ND	ND	ND	53	ND	ND	158
H-311	.5	2.75	6	ND	95	ND	.72	.1	13	12	46	3.12	.14	.38	476	1	.01	25	.01	20	ND	ND	ND	ND	75	ND	ND	141
H-312	.1	1.60	23	ND	78	ND	11.50	.3	6	11	52	2.09	.01	.52	341	ND	.01	17	.11	9	ND	ND	ND	ND	727	ND	ND	83
H-313	.1	.83	21	ND	70	ND	14.38	.1	2	5	26	1.02	.01	.22	314	ND	.01	12	.04	2	ND	ND	ND	ND	591	ND	ND	38
H-314	.2	2.66	6	ND	105	ND	1.01	.2	13	12	53	3.02	.13	.40	500	1	.01	20	.02	18	ND	ND	ND	ND	101	ND	ND	140
H-315	.3	1.70	22	ND	61	ND	.97	.2	8	7	35	2.08	.14	.22	538	1	.01	23	.04	17	ND	ND	ND	ND	84	ND	ND	149
H-316	.1	.66	33	ND	38	ND	17.85	.8	8	2	49	1.53	.01	.16	719	1	.01	18	.08	8	ND	ND	ND	ND	430	ND	ND	94
H-317	.1	.91	47	ND	45	ND	28.28	.5	17	2	84	2.56	.01	.16	568	1	.02	36	.08	19	ND	ND	ND	ND	616	ND	ND	68
H-318	.4	2.54	17	ND	125	ND	6.98	1.1	16	13	117	3.08	.07	.64	676	ND	.02	20	.15	20	ND	ND	ND	ND	192	ND	ND	132
H-319	.6	3.69	19	ND	209	ND	.65	.2	21	21	105	4.25	.15	.60	910	1	.02	25	.04	28	ND	ND	4	ND	75	ND	ND	177
H-320	.6	4.60	27	ND	236	ND	.53	1.1	25	19	89	4.33	.15	.46	1400	1	.02	27	.04	32	ND	ND	7	ND	75	ND	ND	186
H-321	.5	3.94	17	ND	164	ND	.56	.6	20	21	82	3.89	.12	.50	1252	1	.02	26	.05	29	ND	ND	4	ND	70	ND	5	185
H-322	.5	2.79	20	ND	105	ND	.81	.1	16	25	98	3.85	.15	.70	613	1	.02	29	.08	22	ND	ND	3	ND	100	ND	ND	111
H-323	.4	3.97	58	ND	178	ND	.54	1.2	26	20	90	4.64	.14	.55	1241	1	.03	32	.06	34	ND	ND	5	ND	88	ND	ND	275
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 I	AS PPM	AU PPM	BA PPM	BI PPM	CA I	CD PPM	CO PPM	CR PPM	CU PPM	FE I	K I	MG I	MN PPM	MO PPM	NA I	NI PPM	P I	PB PPM	PD PPM	PT PPM	SB PPM	SN PPM	SR PPM	U PPM	W PPM	ZN PPM
H-324	.6	3.75	26	ND	115	ND	.58	1.1	20	16	111	4.58	.12	.64	395	ND	.07	34	.06	42	ND	ND	ND	ND	161	ND	ND	465
H-325	.1	.72	18	ND	24	ND	14.50	.4	9	4	79	2.15	.01	.22	623	ND	.02	30	.08	9	ND	ND	ND	ND	301	ND	ND	102
H-326	.1	.40	8	ND	26	ND	21.76	.4	4	2	37	1.04	.01	.11	438	ND	.02	16	.07	9	ND	ND	ND	ND	718	ND	ND	75
H-327	.1	1.56	9	ND	74	ND	1.89	.1	12	6	34	2.97	.13	.20	449	ND	.04	19	.05	15	ND	ND	ND	ND	148	ND	ND	293
H-328	.5	2.87	9	ND	129	ND	.85	.4	13	13	44	2.92	.15	.46	678	ND	.02	18	.02	20	ND	ND	ND	ND	99	ND	ND	83
H-329	.1	.81	37	ND	50	ND	15.01	.3	5	4	27	1.10	.01	.20	333	ND	.01	10	.08	3	ND	ND	ND	ND	623	ND	ND	44
H-330	.1	1.04	7	ND	79	ND	11.41	.3	4	6	31	1.12	.01	.26	337	ND	.01	11	.08	2	ND	ND	ND	ND	461	ND	ND	30
H-331	.1	.81	13	ND	56	ND	15.96	.3	2	5	30	.85	.01	.26	359	ND	.01	10	.08	ND	ND	ND	ND	ND	492	ND	ND	24
H-333	1.7	2.37	140	ND	454	ND	1.21	.4	12	11	63	4.67	.25	.70	641	ND	.02	12	.12	24	ND	ND	ND	ND	108	ND	ND	163
H-334	.8	2.00	107	ND	268	ND	.64	2.1	9	12	46	4.76	.22	.48	1002	1	.03	10	.07	36	ND	ND	ND	ND	69	4	ND	369
H-335	1.3	1.97	94	ND	371	ND	3.40	1.2	10	9	55	3.59	.20	.60	885	ND	.02	12	.12	27	ND	ND	ND	ND	173	ND	ND	188
H-336	1.8	2.67	118	ND	369	ND	1.00	3.7	13	11	60	5.00	.25	.75	887	1	.04	13	.08	39	ND	ND	ND	ND	80	ND	ND	675
H-337	1.5	2.54	359	ND	346	ND	.83	5.1	10	8	35	4.95	.26	.60	1429	1	.05	6	.07	84	ND	ND	ND	ND	61	ND	ND	968
H-338	.8	2.50	161	ND	241	ND	.66	1.3	10	8	26	4.50	.22	.60	1099	1	.02	10	.03	39	ND	ND	ND	ND	70	ND	ND	397
H-339	2.2	2.75	371	ND	238	ND	1.39	1.1	21	14	179	6.41	.25	.65	1089	6	.02	44	.08	30	ND	ND	ND	ND	249	ND	ND	376
H-340	1.5	2.62	449	ND	324	ND	.83	.5	24	10	110	6.30	.26	.58	1492	6	.02	28	.07	29	ND	ND	ND	ND	209	ND	ND	344
H-341	1.7	1.58	224	ND	260	ND	6.74	1.2	10	7	60	5.20	.17	.54	1703	2	.01	13	.16	23	ND	ND	ND	ND	158	ND	ND	201
H-342	1.8	2.74	85	ND	248	ND	1.77	2.9	12	14	93	4.25	.20	.68	763	1	.01	24	.05	36	ND	ND	ND	ND	174	ND	ND	372
H-343	1.2	2.00	42	ND	194	ND	.64	.6	10	19	60	3.72	.20	.56	457	1	.01	28	.05	25	ND	ND	ND	ND	81	7	ND	139
H-344	1.2	2.61	20	ND	187	ND	.51	.4	10	15	38	3.49	.20	.44	362	1	.01	24	.02	31	ND	ND	ND	ND	77	ND	ND	198
H-345	3.7	2.51	3710	ND	147	ND	2.29	.1	18	14	159	6.08	.17	.68	595	1	.01	43	.07	75	ND	ND	3	ND	356	ND	ND	364
H-346	.1	.92	112	ND	65	ND	13.91	14.3	5	6	88	1.70	.01	.32	396	ND	.01	16	.08	9	ND	ND	ND	ND	540	ND	ND	1174
H-347	.1	.79	74	ND	94	ND	12.64	1.3	4	6	64	1.54	.01	.32	295	ND	.01	14	.08	6	ND	ND	ND	ND	643	ND	3	114
H-348	.1	1.10	92	ND	101	ND	12.64	2.1	8	6	91	2.52	.01	.34	399	1	.01	37	.08	8	ND	ND	ND	ND	593	ND	ND	125
H-349	.3	1.20	120	ND	100	ND	6.89	1.2	9	7	64	2.40	.08	.34	653	ND	.01	21	.06	10	ND	ND	ND	ND	384	ND	ND	142
H-350	1.2	1.72	60	ND	75	ND	6.08	1.2	13	13	144	4.19	.13	.66	545	1	.01	38	.10	18	ND	ND	ND	ND	308	ND	ND	192
H-351	.8	2.83	52	ND	154	ND	2.29	.8	17	12	80	4.50	.20	.79	697	ND	.01	31	.05	20	ND	ND	ND	ND	324	ND	ND	220
H-352	.3	.86	48	ND	53	ND	10.60	.8	5	6	51	1.62	.01	.34	278	1	.01	14	.08	17	ND	ND	ND	ND	515	ND	ND	59
H-353	.3	1.41	29	ND	88	ND	9.42	1.1	7	6	56	2.27	.03	.34	405	ND	.01	20	.05	12	ND	ND	ND	ND	536	ND	ND	98
H-354	.1	1.08	28	ND	76	ND	10.91	.8	6	7	53	1.92	.01	.38	373	ND	.01	18	.08	14	ND	ND	3	ND	588	ND	ND	69
H-355	1.1	1.50	38	ND	105	ND	11.07	1.7	9	7	84	2.56	.01	.36	350	ND	.01	21	.07	13	ND	ND	8	ND	683	ND	ND	138
H-356	.8	2.75	15	ND	170	ND	2.59	1.7	16	11	100	4.55	.16	.55	567	ND	.01	47	.04	26	ND	ND	4	ND	575	ND	ND	249
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: 870375 GA

JOB NUMBER: 870375

PAMICON DEVELOPMENT LTD.

PAGE 1 OF 5

SAMPLE #	Au
D-1 T.B.0	nd
H-001	nd
H-002	10
H-003	nd
H-004	nd
H-005	nd
H-006	nd
H-007	nd
H-008	nd
H-009	nd
H-010	nd
H-011	nd
H-013	nd
H-014	30
H-015	nd
H-016	5
H-017	nd
H-018	nd
H-019	nd
H-020	nd
H-021	nd
H-022	nd
H-023	nd
H-024	5
H-025	nd
H-026	nd
H-027	nd
H-028	nd
H-029	nd
H-030	nd
H-031	nd
H-032	nd
H-033	nd
H-034	nd
H-035	nd
H-036	nd
H-037	nd
H-038	nd
H-039	nd

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 1L8  
(604) 251-5656

REPORT NUMBER: 870375 6A

JOB NUMBER: 870375

PANICON DEVELOPMENT LTD.

PAGE 2 OF 5

SAMPLE #	Au
H-040	nd
H-041	nd
H-042	nd
H-043	nd
H-044	15
H-045	nd
H-046	nd
H-047	nd
H-048	nd
H-049	nd
H-050	nd
H-051	nd
H-052	nd
H-053	nd
H-054	nd
H-055	nd
H-056	nd
H-057	5
H-058	nd
H-059	nd
H-060	nd
H-061	5
H-062	nd
H-063	nd
H-064	nd
H-065	nd
H-066	nd
H-067	nd
H-068	nd
H-069	nd
H-070	nd
H-071	nd
H-072	nd
H-073	nd
H-074	nd
H-075	nd
H-076	nd
H-077	nd
H-078	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) 988-5211 TELEX: 04-352578

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

REPORT NUMBER: 870375 GA

JOB NUMBER: 870375

PAMICON DEVELOPMENT LTD.

PAGE 3 OF 5

SAMPLE #	Au
H-079	nd
H-080	nd
H-081	nd
H-082	nd
H-083	nd
H-084	nd
H-085	nd
H-086	nd
H-087	nd
H-088	nd
H-089	nd
H-090	nd
H-091	nd
H-092	nd
H-093	nd
H-094	nd
H-095	nd
H-096	nd
H-097	nd
H-098	nd
H-099	nd
H-100	nd
H-101	nd
H-102	nd
H-103	nd
H-104	nd
H-105	nd
H-106	nd
H-107	nd
H-108	nd
H-109	nd
H-110	nd
H-111	5
H-112	nd
H-113	5
H-114	5
H-115	nd
H-116	nd
H-117	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  
1830 PANDORA ST.  
VANCOUVER, B.C. V5L 1L6  
(604) 251-5656

REPORT NUMBER: 870375 GA

JOB NUMBER: 870375

PARICON DEVELOPMENT LTD.

PAGE 4 OF 5

SAMPLE #	Au
	000
H-118	nd
H-119	nd
H-120	nd
H-121	rd
H-122	rd
H-123	nd
H-124	rd
H-125	nd
H-126	nd
H-127	nd
H-128	10
H-129	nd
H-130	rd
H-131	nd
H-132	rd
H-133	rd
H-134	nd
H-135	nd
H-136	nd
H-137	nd
H-138	nd
H-139	nd
H-140	nd
H-141	nd
H-142	nd
H-143	nd
H-144	nd
H-145	nd
H-146	nd
H-147	nd
H-148	nd
H-149	nd
H-150	nd
H-151	nd
H-152	nd
H-153	rd
H-154	nd
H-155	nd
H-156	nd

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 1L8  
(604) 251-5656

REPORT NUMBER: 870375 GA

JOB NUMBER: 870375

PANICON DEVELOPMENT LTD.

PAGE 5 OF 5

SAMPLE #	Au
H-157	nd
H-158	nd
H-159	nd
H-160	nd
H-161	nd
H-162	nd
H-163	nd

DETECTION LIMIT

5

nd = none detected

-- = not analysed

is = insufficient sample

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 SM, MN, FE, CA, P, CR, MG, BA, PD, AL, NA, K, V, PT AND SR. AU AND PB DETECTION IS 3 PPM.  
 IS= INSUFFICIENT SAMPLE, ND= NOT DETECTED, -- NOT ANALYZED

COMPANY: PAMICON DEVELOPMENT CORP.  
 ATTENTION:  
 PROJECT: HEDLY

REPORT#: 870375PA  
 JOB#: 870375  
 INVOICE#: 870375NA

DATE RECEIVED: 87/04/20  
 DATE COMPLETED: 87/04/22  
 COPY SENT TO:

ANALYST *W. Parks*

PAGE 1 OF 5

SAMPLE NAME	AG PPM	AL %	AS PPH	AU PPH	BA PPH	BI PPH	CA %	CD PPH	CO PPH	CR PPH	CU PPH	FE %	K %	MG %	MN PPH	MO PPH	NA %	NI PPH	P %	PB PPH	PD PPH	PT PPH	SB PPH	SM PPH	SR PPH	U PPH	V PPH	ZN PPH
D-1 T.B.	.1	1.60	4	ND	125	ND	6.73	.1	25	14	73	4.59	.22	1.56	1353	ND	.01	13	.14	5	ND	ND	ND	ND	108	ND	ND	127
H-001	.2	2.25	ND	ND	429	ND	.68	2.1	12	10	32	1.67	.15	.29	1061	4	.01	14	.17	4	ND	ND	ND	ND	71	ND	ND	154
H-002	.1	3.99	4	ND	235	ND	1.04	.3	14	22	63	3.70	.22	1.01	683	1	.01	19	.07	13	ND	ND	ND	ND	76	ND	ND	119
H-003	.2	2.49	ND	ND	357	ND	.78	1.2	10	14	33	2.42	.17	.36	1234	1	.01	15	.10	6	ND	ND	ND	ND	72	ND	ND	150
H-004	.2	1.93	ND	ND	235	ND	.94	.6	9	12	37	2.07	.16	.41	739	1	.01	11	.08	5	ND	ND	ND	ND	75	ND	ND	83
H-005	.5	2.16	4	ND	183	ND	.85	.6	8	10	51	1.93	.14	.34	512	1	.01	12	.08	4	ND	ND	ND	ND	67	ND	ND	88
H-006	.2	1.95	6	ND	193	ND	.97	.6	8	10	44	1.77	.15	.36	620	1	.01	12	.08	3	ND	ND	ND	ND	68	ND	ND	100
H-007	.2	1.87	ND	ND	228	ND	.91	.8	9	11	42	1.98	.16	.35	701	1	.01	11	.08	7	ND	ND	ND	ND	72	ND	5	85
H-008	.4	2.11	8	ND	206	ND	.78	.6	9	12	39	2.29	.15	.34	666	1	.01	10	.11	8	ND	ND	ND	ND	72	ND	ND	93
H-009	.3	1.87	9	ND	225	ND	.83	1.2	9	11	40	2.08	.16	.34	724	1	.01	12	.12	9	ND	ND	ND	ND	80	6	ND	100
H-010	.1	2.58	5	ND	274	ND	.97	1.5	11	14	42	2.37	.17	.38	904	1	.01	12	.10	9	ND	ND	ND	ND	78	4	ND	121
H-011	.1	2.46	5	ND	174	ND	.58	.1	11	16	31	2.56	.17	.40	414	1	.01	12	.02	11	ND	ND	ND	ND	63	ND	ND	69
H-013	.2	1.87	ND	ND	185	ND	1.06	.6	10	13	38	2.22	.17	.35	740	ND	.01	12	.06	11	ND	ND	ND	ND	77	ND	ND	93
H-014	.4	1.83	70	ND	163	ND	2.77	.1	10	13	52	2.33	.19	.43	561	1	.01	13	.06	13	ND	ND	ND	ND	143	ND	3	72
H-015	.3	2.12	16	ND	253	ND	1.25	.8	12	16	71	2.52	.19	.52	688	1	.01	20	.07	10	ND	ND	ND	ND	158	3	ND	101
H-016	.3	1.60	15	ND	146	ND	1.28	.3	11	14	72	2.75	.17	.55	342	ND	.01	15	.05	11	ND	ND	ND	ND	98	ND	3	48
H-017	.5	2.71	11	ND	202	3	.66	.5	10	15	39	2.24	.15	.40	605	1	.01	15	.05	15	ND	ND	ND	ND	53	ND	ND	104
H-018	.4	2.17	28	ND	189	ND	.72	1.3	9	13	39	2.25	.14	.36	324	1	.01	13	.06	11	ND	ND	ND	ND	54	ND	ND	131
H-019	.2	1.91	9	ND	269	ND	.89	.8	9	12	40	2.25	.17	.36	857	1	.01	13	.08	9	ND	ND	ND	ND	85	ND	ND	111
H-020	.1	2.62	14	ND	313	ND	1.12	.8	12	16	52	2.86	.20	.50	1011	1	.01	22	.08	12	ND	ND	ND	ND	98	3	ND	124
H-021	.1	2.71	5	ND	299	ND	.77	.6	11	15	39	2.62	.17	.45	885	1	.01	15	.07	12	ND	ND	ND	ND	87	6	ND	123
H-022	.1	3.16	10	ND	547	ND	1.43	1.1	13	13	45	3.16	.20	.58	2309	1	.01	12	.15	10	ND	ND	ND	ND	100	8	ND	208
H-023	.3	1.70	ND	ND	88	5	.51	.1	12	13	10	3.72	.17	1.04	791	1	.01	5	.17	8	ND	ND	3	2	17	9	ND	90
H-024	.2	2.54	6	ND	261	ND	.83	.6	10	15	35	2.59	.17	.48	769	1	.01	16	.08	12	ND	ND	ND	ND	88	ND	ND	100
H-025	.2	1.72	11	ND	259	ND	1.16	1.1	9	10	34	2.00	.15	.46	1094	1	.01	15	.08	13	ND	ND	ND	ND	106	ND	ND	106
H-026	.4	2.21	ND	ND	340	ND	.66	.8	10	10	29	2.31	.16	.40	956	2	.01	9	.07	11	ND	ND	ND	ND	59	ND	ND	121
H-027	.3	2.25	ND	ND	384	ND	.80	1.3	11	12	36	2.20	.17	.38	1068	1	.01	12	.08	12	ND	ND	ND	ND	83	ND	ND	152
H-028	.2	1.81	ND	ND	170	5	.76	.6	9	11	46	1.98	.15	.34	644	1	.01	11	.05	9	ND	ND	ND	ND	55	ND	ND	83
H-029	.1	2.04	7	ND	214	ND	.81	.8	8	11	32	1.92	.15	.29	630	1	.01	10	.10	11	ND	ND	ND	ND	63	ND	ND	88
H-030	.1	2.41	6	ND	295	ND	1.18	1.5	10	13	50	2.33	.17	.38	899	1	.01	13	.14	12	ND	ND	ND	ND	92	ND	ND	136
H-031	.1	2.61	10	ND	259	ND	1.02	1.3	10	14	41	2.41	.17	.36	802	1	.01	13	.10	12	ND	ND	ND	ND	84	ND	ND	125
H-032	.1	1.97	4	ND	210	ND	.79	.6	10	12	40	2.08	.16	.40	813	1	.01	10	.04	10	ND	ND	ND	ND	77	ND	ND	82
H-033	.2	2.45	7	ND	229	3	.79	1.2	10	14	39	2.38	.15	.35	723	1	.01	12	.07	12	ND	ND	ND	ND	73	ND	ND	124
H-034	.2	2.24	3	ND	405	3	.93	.6	10	11	38	2.33	.16	.44	1133	1	.01	9	.10	10	ND	ND	ND	ND	84	ND	ND	124
H-035	.1	2.52	4	ND	355	ND	.83	1.1	10	13	34	2.56	.16	.43	951	1	.01	13	.12	11	ND	ND	ND	ND	76	ND	ND	112
H-036	.3	2.27	4	ND	256	ND	1.04	1.2	11	15	40	2.38	.17	.46	889	1	.01	19	.11	13	ND	ND	ND	ND	117	ND	ND	128
H-037	.2	2.58	5	ND	290	ND	.71	.5	10	16	26	2.59	.15	.44	1135	2	.01	14	.07	15	ND	ND	ND	ND	83	ND	ND	113
H-038	.1	2.29	ND	ND	326	ND	.48	.1	9	14	16	2.91	.14	.44	647	1	.01	9	.04	7	ND	ND	ND	ND	57	ND	ND	93
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 PPH	AL I	AS PPH	AU PPH	BA PPH	BI PPH	CA I	CD PPH	CO PPH	CR PPH	CU PPH	FE I	K I	MG I	MN PPH	MO PPH	NA I	NI PPH	P I	PB PPH	PD PPH	PT PPH	SB PPH	SN PPH	SR PPH	U PPH	W PPH	ZN PPH
H-039	.1	2.79	3	ND	359	ND	.56	.3	10	14	26	2.52	.14	.38	972	2	.01	14	.04	9	ND	ND	ND	ND	54	ND	ND	103
H-040	.1	3.22	6	ND	286	ND	.79	.1	13	19	35	3.24	.17	.63	1090	2	.01	16	.11	10	ND	ND	ND	ND	79	ND	ND	114
H-041	.1	2.68	15	ND	236	ND	1.04	.6	11	19	43	2.90	.17	.55	872	1	.01	19	.10	11	ND	ND	ND	ND	121	ND	ND	137
H-042	.2	3.84	9	ND	424	ND	.70	.3	14	19	43	3.66	.19	.65	1046	1	.01	12	.12	8	ND	ND	ND	1	88	6	ND	123
H-043	.2	3.30	13	ND	343	ND	.60	.1	12	17	36	3.16	.17	.54	1044	2	.01	14	.11	8	ND	ND	ND	ND	62	5	ND	120
H-044	.3	2.43	10	ND	261	ND	.68	.3	9	12	30	2.24	.15	.32	887	1	.01	11	.06	7	ND	ND	3	ND	72	4	ND	109
H-045	.3	2.02	17	ND	246	ND	.64	.1	8	12	31	2.07	.12	.32	1037	1	.01	12	.06	7	ND	ND	ND	ND	52	ND	ND	136
H-046	.2	1.91	3	ND	211	ND	.77	.2	9	11	36	2.16	.13	.34	748	1	.01	10	.06	7	ND	ND	ND	ND	75	ND	ND	84
H-047	.2	2.16	8	ND	310	ND	1.08	.8	9	12	40	2.22	.15	.34	988	1	.01	11	.13	6	ND	ND	ND	ND	91	ND	ND	128
H-048	.1	2.22	9	ND	248	ND	.88	1.1	10	12	42	2.33	.16	.34	823	1	.01	12	.12	8	ND	ND	ND	ND	81	ND	ND	118
H-049	.1	1.77	5	ND	258	ND	.70	.5	7	10	29	1.76	.14	.34	718	1	.01	9	.06	7	ND	ND	ND	ND	100	ND	ND	81
H-050	.1	2.41	ND	ND	375	ND	.75	.4	11	32	52	2.59	.19	.55	755	1	.01	30	.05	7	ND	ND	ND	ND	132	ND	ND	99
H-051	.1	2.36	ND	ND	563	ND	.96	1.1	11	14	40	2.47	.17	.46	1330	2	.01	9	.06	8	ND	ND	ND	ND	145	ND	ND	129
H-052	.2	1.58	ND	ND	188	3	.56	.1	8	11	17	1.97	.13	.34	457	1	.01	6	.02	10	ND	ND	3	1	51	5	ND	61
H-053	.2	1.70	6	ND	200	ND	.46	.1	9	11	21	2.08	.14	.39	604	1	.01	10	.03	8	ND	ND	3	ND	56	3	ND	65
H-054	.2	2.12	3	ND	245	ND	.71	.1	8	11	26	2.00	.13	.34	797	1	.01	8	.07	5	ND	ND	ND	ND	71	ND	ND	89
H-055	.3	2.37	ND	ND	190	ND	1.27	.6	8	12	79	2.15	.16	.48	365	1	.01	12	.08	3	ND	ND	ND	ND	89	ND	ND	105
H-056	.3	1.83	4	ND	193	ND	.80	.3	8	10	30	1.95	.15	.32	780	1	.01	9	.05	5	ND	ND	3	ND	75	ND	ND	72
H-057	.3	1.82	ND	ND	191	ND	.79	.1	8	10	29	1.95	.15	.32	774	1	.01	10	.05	7	ND	ND	ND	ND	74	ND	ND	71
H-058	.2	2.37	3	ND	194	ND	.66	.5	9	13	31	2.29	.15	.35	633	1	.01	9	.05	8	ND	ND	ND	1	71	3	ND	83
H-059	.1	2.52	7	ND	297	ND	.64	.6	8	12	31	2.04	.15	.34	708	2	.01	18	.08	10	ND	ND	ND	ND	61	5	ND	103
H-060	.1	2.77	6	ND	319	ND	.72	.6	10	14	34	2.62	.16	.43	880	1	.01	12	.10	6	ND	ND	ND	1	72	ND	ND	112
H-061	.1	3.04	3	ND	331	ND	.59	.1	11	14	30	2.72	.16	.45	860	2	.01	13	.08	10	ND	ND	ND	ND	66	ND	ND	101
H-062	.1	2.93	ND	ND	293	ND	.58	.3	10	14	26	2.41	.14	.39	892	1	.01	13	.07	9	ND	ND	ND	ND	63	ND	ND	100
H-063	.3	2.77	5	ND	337	ND	.77	.1	13	16	32	3.04	.17	.58	1144	2	.01	14	.04	12	ND	ND	ND	1	78	ND	ND	102
H-064	.3	3.04	ND	ND	335	ND	.56	.1	11	16	21	2.91	.15	.40	915	1	.01	11	.05	8	ND	ND	ND	1	55	ND	ND	100
H-065	.5	2.95	ND	ND	335	ND	.77	.3	12	17	36	2.97	.19	.58	950	2	.01	13	.08	8	ND	ND	ND	1	80	ND	ND	106
H-066	.5	3.42	ND	ND	354	ND	.50	.2	12	15	27	2.79	.16	.46	1034	2	.01	12	.08	11	ND	ND	ND	ND	50	4	ND	99
H-067	.5	2.41	ND	ND	323	ND	.60	.6	8	12	30	2.11	.15	.34	920	1	.01	11	.11	8	ND	ND	ND	ND	66	ND	ND	116
H-068	.1	2.41	7	ND	248	ND	.69	.6	9	13	37	2.47	.15	.40	740	1	.01	11	.08	9	ND	ND	ND	ND	73	ND	ND	95
H-069	.1	2.43	11	ND	259	ND	.86	.3	9	14	45	2.49	.16	.40	819	1	.01	12	.12	9	ND	ND	ND	ND	79	ND	ND	111
H-070	.1	1.60	25	ND	225	ND	2.34	.1	11	12	57	2.54	.20	.59	658	1	.01	12	.13	8	ND	ND	ND	ND	135	ND	ND	74
H-071	.1	1.92	ND	ND	182	ND	.52	.3	7	10	21	1.77	.11	.27	645	2	.01	8	.04	12	ND	ND	ND	ND	52	ND	ND	131
H-072	.2	2.25	4	ND	204	ND	.73	.5	11	11	35	2.08	.13	.34	1092	2	.01	9	.06	8	ND	ND	ND	ND	65	ND	ND	87
H-073	.2	2.40	3	ND	241	ND	.70	.4	10	13	35	2.41	.15	.40	683	1	.01	10	.08	7	ND	ND	ND	ND	70	ND	ND	99
H-074	.4	2.02	ND	ND	235	ND	.60	.4	8	11	25	2.08	.14	.36	796	1	.01	8	.05	7	ND	ND	ND	ND	64	ND	ND	83
H-075	.5	1.37	6	ND	214	ND	5.57	.1	6	8	40	1.70	.16	.34	525	1	.01	9	.08	12	ND	ND	ND	ND	281	ND	ND	92
H-076	.6	1.41	ND	ND	146	ND	.98	.1	7	10	28	1.76	.13	.32	604	1	.01	9	.02	4	ND	ND	ND	ND	54	ND	ND	49
H-077	.7	1.62	ND	ND	225	ND	.59	.4	8	11	23	1.83	.13	.30	964	1	.01	8	.03	7	ND	ND	ND	ND	53	ND	ND	69
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 PPH	AL %	AS PPH	AJ PPH	BA PPH	BI PPH	CA %	CD PPH	CO PPH	CR PPH	CU PPH	FE %	K %	MG %	NM PPH	ND PPH	NA %	NI PPH	P %	PB PPH	PD PPH	PT PPH	SD PPH	SM PPH	SR PPH	U PPH	V PPH	ZN PPH
H-078	.1	2.47	3	ND	280	ND	.48	.2	8	15	31	2.29	.11	.44	808	1	.01	13	.04	2	ND	ND	ND	2	73	ND	ND	108
H-079	.2	2.67	6	ND	284	ND	.66	.4	11	16	31	2.54	.13	.48	899	1	.01	15	.04	4	ND	ND	ND	2	69	ND	ND	100
H-080	.4	3.08	9	ND	301	ND	.60	.1	13	18	43	3.22	.16	.63	520	1	.01	14	.04	6	ND	ND	ND	3	66	ND	ND	79
H-081	.1	1.91	ND	ND	271	ND	.50	.1	9	12	22	2.50	.12	.40	735	2	.01	8	.04	5	ND	ND	ND	1	45	ND	3	64
H-082	.1	2.33	6	ND	340	ND	.68	.6	9	13	33	2.27	.14	.46	1057	1	.01	12	.05	9	ND	ND	ND	4	61	ND	ND	110
H-083	.1	3.00	ND	ND	373	ND	.56	.6	11	22	39	2.88	.14	.53	933	1	.01	18	.05	10	ND	ND	ND	2	108	ND	ND	169
H-084	.2	2.95	5	ND	329	ND	.52	.1	11	19	31	2.91	.13	.51	780	1	.01	15	.04	6	ND	ND	ND	3	78	ND	ND	114
H-085	.3	2.81	ND	ND	342	ND	.59	.5	10	23	32	2.49	.13	.54	760	1	.01	18	.06	5	ND	ND	ND	2	74	ND	ND	147
H-086	.1	2.08	7	ND	228	ND	.64	.2	8	12	20	2.16	.12	.32	870	1	.01	13	.05	4	ND	ND	ND	1	53	ND	ND	100
H-087	.1	1.10	ND	ND	281	ND	8.21	.4	4	6	62	1.22	.12	.40	848	ND	.01	10	.11	7	ND	ND	ND	ND	198	ND	ND	56
H-088	.1	2.04	11	ND	263	ND	.91	.6	9	12	47	2.29	.15	.44	718	1	.01	12	.08	3	ND	ND	ND	1	93	ND	ND	105
H-089	.3	2.33	21	ND	242	ND	.81	.8	11	16	42	2.87	.17	.45	582	2	.01	13	.11	7	ND	ND	ND	ND	88	3	ND	105
H-090	.2	1.97	13	ND	201	ND	1.00	.6	11	11	41	2.07	.15	.35	894	1	.01	14	.06	8	ND	ND	ND	1	74	5	ND	99
H-091	.3	2.00	9	ND	210	ND	1.22	.3	11	15	76	2.66	.17	.48	853	1	.01	19	.06	7	ND	ND	ND	ND	83	ND	ND	78
H-092	.2	1.89	47	ND	146	ND	.93	.2	10	21	42	2.67	.14	.54	595	1	.01	15	.06	7	ND	ND	3	1	85	ND	ND	67
H-093	.1	2.58	14	ND	297	ND	.93	1.1	10	15	47	2.58	.16	.40	1043	1	.01	14	.12	9	ND	ND	ND	1	88	ND	ND	122
H-094	.1	2.81	7	ND	435	ND	1.06	.4	11	12	49	2.79	.17	.51	1038	1	.01	13	.14	4	ND	ND	ND	ND	78	ND	ND	148
H-095	.2	3.60	ND	ND	728	ND	.64	.3	11	15	31	2.88	.14	.46	1508	2	.01	14	.22	5	ND	ND	ND	1	69	ND	ND	153
H-096	.2	3.50	9	ND	441	ND	.91	.6	13	19	44	3.42	.19	.59	1313	2	.01	17	.13	10	ND	ND	ND	1	92	ND	ND	158
H-097	.2	3.47	12	ND	346	ND	.93	.5	13	18	37	3.04	.17	.52	1112	2	.01	18	.10	7	ND	ND	ND	2	85	ND	ND	129
H-098	.2	3.57	ND	ND	375	ND	.50	.1	12	18	26	3.02	.14	.46	1062	2	.01	23	.04	8	ND	ND	3	2	57	ND	ND	102
H-099	.2	3.07	ND	ND	536	ND	.46	.1	10	12	26	2.49	.14	.40	1685	2	.01	11	.10	6	ND	ND	3	1	48	4	ND	123
H-100	.1	2.65	9	ND	354	ND	1.04	.6	11	15	45	2.77	.17	.50	1067	1	.01	17	.11	6	ND	ND	ND	ND	94	ND	ND	117
H-101	.1	3.12	ND	ND	595	ND	.77	.3	12	15	39	3.04	.17	.54	1252	2	.01	15	.08	5	ND	ND	ND	3	74	ND	ND	136
H-102	.1	2.95	13	ND	362	ND	1.03	1.1	13	16	48	3.22	.20	.59	1086	1	.01	13	.11	13	ND	ND	ND	2	94	ND	ND	152
H-103	.1	2.72	20	ND	307	3	1.06	.6	11	15	45	2.62	.17	.44	965	1	.01	14	.15	6	ND	ND	ND	1	98	ND	ND	136
H-104	.2	2.66	9	ND	295	ND	1.02	.4	13	18	83	3.37	.20	.64	919	1	.01	19	.07	7	ND	ND	ND	1	101	ND	ND	144
H-105	.2	2.17	4	ND	286	ND	.60	.4	8	13	33	2.13	.13	.34	1173	2	.01	12	.05	7	ND	ND	ND	1	65	4	ND	172
H-106	.1	2.22	6	ND	196	ND	.71	.1	11	13	36	2.29	.14	.39	1278	2	.01	11	.03	6	ND	ND	ND	ND	60	ND	ND	90
H-107	.3	1.79	9	ND	173	4	.61	.1	9	11	22	1.92	.12	.34	678	1	.01	10	.03	7	ND	ND	3	2	56	ND	ND	67
H-108	.1	.98	3	ND	222	ND	6.45	.6	3	5	55	1.13	.13	.38	731	ND	.01	10	.08	3	ND	ND	ND	ND	168	ND	ND	42
H-109	.1	.81	ND	ND	168	ND	10.05	.1	2	5	30	.88	.08	.30	416	ND	.01	9	.06	9	ND	ND	ND	ND	146	ND	ND	33
H-110	.1	1.46	4	ND	123	ND	.53	.1	7	11	14	1.87	.10	.30	527	ND	.01	6	.02	4	ND	ND	ND	ND	48	ND	ND	52
H-111	.2	2.16	7	ND	201	4	.46	.1	8	13	19	2.22	.11	.34	661	1	.01	12	.04	3	ND	ND	3	2	49	ND	ND	74
H-112	.2	2.27	ND	ND	271	4	.76	.1	10	12	33	2.58	.15	.60	740	1	.01	11	.03	5	ND	ND	ND	2	51	ND	ND	62
H-113	.3	2.33	13	ND	241	ND	.48	.1	8	11	24	2.18	.11	.32	445	2	.01	11	.08	4	ND	ND	ND	2	40	ND	ND	85
H-114	.4	2.75	9	ND	320	4	.56	.1	10	13	28	2.54	.14	.38	613	2	.01	14	.10	6	ND	ND	3	2	50	4	ND	102
H-115	.6	3.08	20	ND	292	3	.69	.1	16	22	41	3.90	.20	.78	538	2	.01	20	.10	7	ND	ND	ND	3	60	ND	ND	83
H-116	.4	2.47	5	ND	351	ND	.56	.1	10	12	19	2.58	.14	.44	518	1	.01	10	.04	7	ND	ND	6	3	50	3	ND	76
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 PPH	AL %	AS PPH	AU PPH	BA PPH	BI PPH	CA %	CD PPH	CO PPH	CR PPH	CU PPH	FE %	K %	MG %	MN PPH	MO PPH	NA %	NI PPH	P %	PB PPH	PD PPH	PT PPH	SB PPH	SM PPH	SR PPH	U PPH	V PPH	ZN PPH
H-117	.1	2.34	12	ND	281	3	.39	.1	9	12	14	2.45	.12	.38	649	2	.01	10	.06	9	ND	ND	3	ND	46	3	ND	96
H-118	.1	2.27	10	ND	365	ND	.52	.3	9	13	20	2.33	.13	.35	963	2	.01	10	.06	6	ND	ND	ND	ND	53	ND	ND	105
H-119	.1	2.29	10	ND	306	4	.43	.2	9	12	14	2.40	.13	.32	967	2	.01	11	.03	6	ND	ND	ND	ND	45	4	ND	91
H-120	.1	2.09	5	ND	343	3	.55	.1	10	12	14	2.49	.15	.39	882	1	.01	11	.04	10	ND	ND	ND	ND	50	ND	ND	79
H-121	.1	2.47	12	ND	269	3	.59	.1	11	16	31	2.95	.17	.48	453	2	.01	13	.06	11	ND	ND	3	ND	59	ND	ND	85
H-122	.1	2.13	5	ND	273	ND	.59	.1	10	13	21	2.37	.15	.40	1065	1	.01	11	.05	8	ND	ND	ND	ND	61	ND	ND	86
H-123	.1	1.33	ND	ND	185	ND	6.49	.1	5	8	28	1.54	.19	.40	441	ND	.01	10	.07	7	ND	ND	ND	ND	163	ND	ND	44
H-124	.1	1.50	5	ND	133	ND	.52	.1	8	12	11	2.20	.14	.32	417	1	.01	7	.01	9	ND	ND	ND	ND	48	ND	ND	44
H-125	.1	2.61	9	ND	169	ND	1.01	.1	12	17	36	2.92	.19	.55	541	1	.01	15	.02	9	ND	ND	ND	ND	66	ND	ND	66
H-126	.2	2.04	8	ND	218	ND	.59	.1	11	14	25	2.42	.17	.44	735	1	.01	12	.02	10	ND	ND	ND	ND	68	3	ND	76
H-127	.2	1.77	41	ND	210	ND	2.32	.1	14	16	115	3.06	.22	.63	606	1	.01	19	.13	10	ND	ND	ND	ND	150	ND	ND	76
H-128	.1	1.92	15	ND	185	ND	.93	.2	12	15	71	2.84	.17	.51	664	1	.01	14	.07	9	ND	ND	ND	ND	80	3	ND	74
H-129	.1	2.63	12	ND	298	ND	.86	.8	11	15	42	2.62	.17	.40	999	2	.01	13	.12	11	ND	ND	ND	ND	85	ND	ND	134
H-130	.1	3.24	4	ND	596	ND	.81	.1	15	10	34	4.25	.28	1.03	871	2	.01	8	.15	5	ND	ND	ND	2	52	ND	ND	134
H-131	.1	3.09	ND	ND	387	ND	.76	.3	12	16	34	2.90	.19	.48	1114	1	.01	16	.06	12	ND	ND	ND	ND	76	ND	ND	106
H-132	.1	3.04	4	ND	355	ND	.63	.1	12	17	32	3.07	.19	.56	974	1	.01	15	.08	10	ND	ND	ND	ND	64	ND	ND	119
H-133	.1	2.92	3	ND	365	ND	.64	.4	11	14	25	2.63	.15	.44	1051	2	.01	13	.04	11	ND	ND	ND	ND	70	ND	ND	87
H-134	.1	3.40	ND	ND	417	ND	.56	.2	11	17	21	2.70	.15	.44	1493	3	.01	16	.06	12	ND	ND	ND	ND	63	ND	ND	116
H-135	.1	3.35	ND	ND	370	ND	.71	.6	12	17	30	2.97	.17	.45	1123	2	.01	16	.08	14	ND	ND	ND	ND	65	ND	ND	130
H-136	.3	4.82	ND	ND	593	ND	.76	.1	15	19	33	3.75	.20	.56	1615	3	.01	16	.14	25	ND	ND	ND	1	68	3	ND	149
H-137	.1	2.75	6	ND	290	ND	.68	.3	10	15	27	2.41	.17	.40	894	2	.01	19	.06	12	ND	ND	ND	ND	74	ND	ND	97
H-138	.1	2.36	ND	ND	266	ND	1.04	.1	11	14	38	2.79	.19	.59	781	2	.01	14	.05	9	ND	ND	ND	ND	113	ND	ND	80
H-139	.1	2.58	5	ND	275	ND	.81	.6	10	14	33	2.36	.16	.39	901	1	.01	14	.10	7	ND	ND	ND	ND	81	ND	ND	109
H-140	.3	2.45	6	ND	202	ND	.85	.1	14	19	65	3.25	.20	.56	688	1	.01	19	.05	8	ND	ND	ND	ND	87	ND	ND	104
H-141	.1	2.54	3	ND	291	ND	.64	.1	11	15	42	2.61	.16	.44	749	2	.01	11	.03	8	ND	ND	ND	ND	89	ND	ND	127
H-142	.5	2.06	7	ND	197	ND	.58	.1	10	13	20	2.27	.16	.34	723	1	.01	11	.02	11	ND	ND	ND	ND	60	ND	ND	73
H-143	.1	.66	3	ND	155	ND	12.66	.1	3	5	29	.79	.08	.54	344	ND	.01	10	.05	20	ND	ND	ND	ND	299	ND	4	22
H-144	.1	2.12	7	ND	211	ND	.70	.1	10	12	33	2.25	.16	.38	1102	2	.01	13	.04	7	ND	ND	ND	ND	55	ND	ND	82
H-145	.1	2.41	ND	ND	295	ND	.60	.1	11	12	19	2.59	.16	.40	757	2	.01	12	.07	9	ND	ND	ND	ND	55	ND	ND	92
H-146	.2	3.27	ND	ND	570	ND	.50	.1	14	13	19	3.50	.19	.70	683	2	.01	13	.08	9	ND	ND	ND	1	43	ND	ND	103
H-147	.1	3.18	ND	ND	504	ND	.53	.1	13	14	18	3.17	.17	.58	821	2	.01	10	.07	7	ND	ND	ND	1	43	ND	ND	95
H-148	.1	2.58	ND	ND	667	ND	.83	.1	12	12	21	2.91	.17	.52	1306	2	.01	10	.13	4	ND	ND	ND	ND	58	ND	ND	134
H-149	.1	2.33	ND	ND	294	ND	.48	.1	10	13	17	2.91	.14	.52	441	2	.01	9	.04	6	ND	ND	ND	ND	54	ND	ND	55
H-150	.2	2.66	6	ND	317	ND	.32	.4	10	12	17	2.31	.13	.34	916	3	.01	11	.08	10	ND	ND	ND	ND	38	ND	ND	84
H-151	.2	3.59	3	ND	463	ND	.48	.4	13	18	21	3.02	.15	.55	583	3	.01	15	.08	12	ND	ND	ND	ND	49	ND	ND	89
H-152	.1	3.12	ND	ND	543	ND	.41	.1	10	12	18	2.56	.13	.41	901	3	.01	13	.10	7	ND	ND	ND	ND	40	ND	ND	101
H-153	.1	2.97	4	ND	313	ND	.51	.1	12	16	25	3.18	.16	.52	618	1	.01	12	.06	10	ND	ND	ND	ND	47	ND	ND	78
H-154	.2	2.63	4	ND	404	ND	.63	.2	10	15	26	2.72	.15	.44	863	2	.01	14	.10	7	ND	ND	ND	ND	56	ND	ND	96
H-155	1.1	2.75	5	ND	420	ND	.56	.2	13	17	30	3.15	.19	.52	1229	2	.01	14	.05	19	ND	ND	ND	ND	51	ND	ND	104
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 I	AS PPH	AJ PPH	BA PPH	BI PPH	CA I	CO PPM	CO PPH	CR PPH	CU PPH	FE I	K I	MG I	MN PPM	MO PPH	NA I	NI PPM	P I	PB PPH	PD PPH	PT PPH	SB PPH	SM PPH	SR PPH	U PPH	W PPH	ZN PPH	
H-156	.1	2.82	ND	ND	559	ND	.51	.1	12	15	22	3.11	.17	.51	1352	2	.01	13	.08	7	ND	ND	ND	ND	1	42	ND	ND	115
H-157	.4	2.47	5	ND	394	ND	.52	.1	12	16	24	2.95	.17	.48	776	2	.01	12	.06	8	ND	ND	ND	ND	48	ND	ND	83	
H-158	.3	2.25	ND	ND	453	ND	.52	.1	13	14	23	3.25	.19	.59	891	1	.01	11	.07	6	ND	ND	ND	ND	40	ND	ND	92	
H-159	.6	2.17	7	ND	273	ND	.54	.1	12	17	23	3.16	.19	.50	591	1	.01	14	.07	7	ND	ND	ND	ND	48	ND	ND	70	
H-160	.5	2.09	4	ND	349	5	.43	.1	11	11	16	2.70	.17	.48	768	1	.01	10	.03	5	ND	ND	ND	ND	40	3	4	69	
H-161	.1	2.42	7	ND	376	ND	.73	.2	12	14	30	3.25	.22	.63	1117	1	.01	13	.08	9	ND	ND	ND	ND	69	4	ND	87	
H-162	.1	2.38	18	ND	308	ND	.60	.1	12	19	31	3.47	.20	.48	837	1	.01	16	.08	8	ND	ND	ND	ND	56	3	ND	102	
H-163	.1	2.47	8	ND	290	ND	.85	.8	12	15	28	2.65	.19	.41	862	2	.01	14	.12	8	ND	ND	ND	ND	74	ND	ND	119	
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	

**APPENDIX E**  
**GEOCHEMICAL DATA SHEETS**



Geochemical Data Sheet - SOIL SAMPLING

Sampler Frank Von Rosset  
Date April 1987

Project Hedley  
Property Hedley, BC

NTS \_\_\_\_\_  
Location Ref \_\_\_\_\_  
Air Photo No \_\_\_\_\_

SAMPLE NO.	LOCATION	Depth cm	Horiz	DESCRIPTION			SLOPE	VEG	ADDITIONAL OBSERVATIONS / REMARKS	ASSAYS					
				Colour	Texture 90 Rags	SHAPE				As ppb					
H-001	LH 600N 200E	20		DARK (D) BROWN (B)	5-10	SUB (S) ROUND (R)				—					
H-002	175E	20		D.B	15	SR				10					
H-003	150E	25		D.B	15	SR									
H-004	125E	20		D.B	5	SR			DAMP SOIL						
H-005	100E	15		D.B	10	SR			"						
H-006	75E	15		D.B	10	SR			"						
H-007	50E	20		D.B	10	SR									
H-008	25E	15		D.B	10	SR									
H-009	BASE LINE	15		D.B	5-10	SR									
H-010	25W	20		D.B	15	SR									
H-011	50W	20		Light (L) BROWN (B)	15	SR									
H-012	75W	X							MIDDLE OF ROAD ALONG SIDE OF ROAD						
H-013	100W	20		L.B.	10	"									
H-014	125W	25		L.B.	15	"				30					
H-015	150W	20		D.B	15	"			FROZEN SOIL EAST SIDE OF CREEK						
H-016	175W	20		CACY	10	"				5					
H-017	200W	20		Lighter D.B.	15	"									
H-018	225W	10		Lighter D.B.	20	"									
H-019	250W	20		D.B.	30	"			NEXT 2 LARGE Boulders UNCOVERING LARGE ROCKS						
H-020	275W	15		D.B.	10	"									

Geochemical Data Sheet - SOIL SAMPLING.

Sampler FRANK VON ROSSEL

Project HEDLY

NTS \_\_\_\_\_

Date APRIL 1987

Property HEDLY, B.C.

Location Ref \_\_\_\_\_

Air Photo No \_\_\_\_\_

SAMPLE NO.	LOCATION	Depth CM	Horiz	DESCRIPTION			SLOPE	VEG	ADDITIONAL OBSERVATIONS / REMARKS	Au ppb	ASSAYS			
				Colour	Texture % FRAGS	SHAPE SUB ROUNDED								
H-021	LH600N 300 W	15		PARK (S) Brown (S)	10	Sub Rounded								
H-022	325W	10		Lighter D.B.	40	"		lots of boulders around couldn't dig far.						
H-023	350W	X					→	AN OUT CROP OF GRANITIDIRITE						
H-024	375 W	25		D.B.	10	"		SEE NCAMP to the EAST	5					
H-025	400 W	10		Lighter D.B.	40	"		Just before cliff to the West						
H-026	LH550N 200 E	20		D.B. with LB.	5	"		"START NEW LINE"						
H-027	150 E	25		D.B. trace LB.	20	"								
H-028	100 E	20		D.B. trace LB.	10	"								
H-029	50 E	20		D.B.	20	"								
H-030	BASE LINE	20		D.B. trace LB.	20	"		Hitting Large Rocks						
H-031	50 W	20		Lighter D.B.	15	"								
H-032	100 W	30		D.B.	15	"		No sample at 150 W Due to creek.						
H-033	200 W	20		D.B.	10	"								
H-034	250 W	10		D.B.	10	"		on edge of outcrop Large boulders present						
H-035	300 W	10		D.B.	10	"		"						
H-036	350 W	20		D.B.	5	"								
H-037	400 W	10		Lighter D.B.	50	"		on top of outcrop before going over the cliff						
H-038	450 W	10		LB CACK	15	"		which look to the west						
H-039	LH500N 450 N	20		Lighter D.B.	10	"		"START NEW LINE"						
H-040	400 W	15		Lighter D.B.	40	"		mostly boulders around digging up large rocks						

Geochemical Data Sheet - SOIL SAMPLING

Sampler FRANK VON PASSEL  
 Date APRIL / 1987

Project HEDLY  
 Property HEDLY, B.C.

NTS \_\_\_\_\_  
 Location Ref \_\_\_\_\_  
 Air Photo No \_\_\_\_\_

SAMPLE NO.	LOCATION	Depth cm	Horiz	DESCRIPTION			SLOPE Degree	VEG	ADDITIONAL OBSERVATIONS / REMARKS	As ppb	ASSAYS							
				Colour	Texture % clay	Exchange SHAPE SUB ROUND												
H-041	LN 500 N 350 W	20		Lighter D.B.	25	SUB ROUND												
H-042	300 W	10		D.B.	40	"			on top of out crop could be dig for									
H-043	250 W	25		DB + trace LB.	60	"			lots of boulders around									
H-044	200 W	25		DB + trace LB.	5	"				15								
H-045	100 W	15		D.B.	5-10	"			on top of dig hit solid rock									
H-046	50 W	10		D.B.	20	"												
H-047	BASE LINE	20		DB	10%	"												
H-048	50 E	20		DB	20	"												
H-049	100 E	25		Lighter D.B.	60	"			wet soil									
H-050	150 E	30		D.B.	30	"			wet soil									
H-051	LN 450 N 200 E	30		D.B.	15	"			wet soil									
H-052	150 E	30		D.B.	15	"			wet soil									
H-053	100 E	25		DB	15	"												
H-054	50 E	25		DB	15	"			hit some large rocks									
H-055	BASE LINE	25		D.B.	15	"												
H-056	50 W	25		D.B.	15	"												
H-057	100 W	25		Lighter D.B.	10	"			no 150 due to creek being there	5								
H-058	200 W	25		Lighter D.B.	10	"												
H-059	250 W	25		DB + trace LB.	10	"			lost H-060 some how									
H-060	275 W	20		D.B.	10	"	20			5								

Geochemical Data Sheet - SOIL SAMPLING

Sampler FRANK VON PASSEL  
 Date April / 1987

Project HEDLY  
 Property HEDLY B.C.

NTS \_\_\_\_\_  
 Location Ref \_\_\_\_\_  
 Air Photo No \_\_\_\_\_

SAMPLE NO.	LOCATION	Depth (cm)	Horiz	DESCRIPTION			SLOPE Degree	VEG	ADDITIONAL OBSERVATIONS / REMARKS	ASSAYS				
				Colour	Texture % Frag	SHAPE				A <sub>1</sub>	Pb			
H-062	LH 450 N 325 W	25		D.B.	15	SUB Rounded	20							
H-063	375 W	25		D.B.	40	"	5		on top of out crop just before a cliff					
H-064	LH 350 N 400 W	10		REDDISH BROWN (B)	50	"	20		on top of out crop just before a cliff					
H-065	350 W	15		R.B.	15	"	5							
H-066	300 W	10		L.B.	20	"	15		out crop sticking out hit rock bottom					
H-067	250 W	25		D.B.	10	"	45							
H-068	200 W	20		D.B.	20	"	20							
H-069	150 W	25		D.B. trace L.B.	40	"	15							
H-070	100 W	15		L.B.	60	"	60		3 meter from creek					
H-071	50 W	25		L.B.	25	"	40							
H-072	BASE LINE	25		L.B. trace RB	25	"	15							
H-073	50 E	25		D.B.	20	"	30		DAMP SOIL					
H-074	100 E	25		very DB.	10	"	30		wet soil					
H-075	150 E	20		D.B.	10	"	20		DAMP SOIL					
H-076	200 E	20		L.B.	10	"	20		wet soil					
H-077	250 E	25		D.B.	10	"	20							
H-078	300 E	20		R.B.	15	"	40		Slightly DAMP SOIL	5				
H-079	350 E	25		DB trace L.B.	20	"	45							
H-080	400 E	20		DB. trace L.B.	15	"	40							
H-081	LH 400 N 450 E	25		D.B.	10	"	35		Slightly DAMP SOIL					

Geochemical Data Sheet - SOIL SAMPLING

NTS

Sampler FRANK VON ROSSEL

Project HEDLY

Location Ref \_\_\_\_\_

Date April 1987

Property HEDLY, B.C.

Air Photo No \_\_\_\_\_

SAMPLE NO.	LOCATION	Depth (cm)	Horiz	DESCRIPTION			SLOPE degree	VEG	ADDITIONAL OBSERVATIONS / REMARKS	ASSAYS						
				Colour	Texture % Frag	Aggregate SHAPE				As	Pb	Cd	Cu	Zn		
H-082	LH 400N 400 E	25		L.B to CACY	5-10	Sub ROUNDED	35			nd						
H-083	350 E	15		Reddish M.B.	50	"	30		hit lots of rock							
H-084	300 E	25		light grey	15	"	30									
H-085	250 E	20		M.B.	15	"	30									
H-086	200 E	25		DB	15	"	20		Slightly Damp Soil							
H-087	150 E	25		DB	10	"	15		Slightly Damp soil							
H-088	100 E	25		very DB	10	"	20		Slightly Damp soil							
H-089	50 E	15		pedicell M.B.	60	"	20									
H-090	BASE LINE	20		DB	15	"	20									
H-091	50 W	20		M.B.	10	"	55									
H-092	100 W	20		L.B	80	"	flat		wet soil							
H-093	150 W	25		very D.B	15	"	20		Slightly Damp Soil							
H-094	200 W	25		D.B.	20	"	20		hit Rock Bottom							
H-095	250 W	10		red M.B.	5	"	flat		on top of large out crop							
H-096	300 W	15		red M.B.	40	"	30		boulder present and hit Rock Bottom							
H-097	350 W	25		D.B.	15	"	20									
H-098	400 W	20		(red) M.B.	10	"	flat		Just before cliffs to west							
H-099	300N 400 W	5		reddish M.B.	5	"	flat		Just before cliffs to west							
H-100	350 W	25		D.B	10	"	35		large out crop of granitoidite no sample possible (300W)	↓						
H-101	250 W	15		reddish M.B.	40	"	35		hit lots of rock	nd						

Geochemical Data Sheet - SOIL SAMPLING.

Sampler FRANK VON POSSEL  
 Date April 1987

Project HEDLY  
 Property HEDLY, B.C.

NTS \_\_\_\_\_  
 Location Ref \_\_\_\_\_  
 Air Photo No \_\_\_\_\_

SAMPLE NO.	LOCATION	Depth (cm)	Horiz	DESCRIPTION			SLOPE Degree	VEG	ADDITIONAL OBSERVATIONS / REMARKS	Ag nd	ASSAYS					
				Colour	Texture % FRAG	Moisture STATE										
H-102	200W	25		D.B.	40	sub rounded	25		hit Rock Bottom							
H-103	150W	30		D.B.	20	"	25									
H-104	100W	15		CACy	40	"	60		3 meter from creek (west side)							
H-105	50W	20		CACy	10	"	50									
H-106	BASE LINE	25		D.B.	15	"	25									
H-107	50E	25		D.B.	20	"	25		DAMP SOIL							
H-108	100E	25		Very D.B.	10	"	20		slightly DAMP SOIL							
H-109	150E	25		L.B.	5-10	"	20		DAMP SOIL							
H-110	200E	30		CACy	25	"	25		WET SOIL							
H-111	250E	25		M.B.	25	"	30									
H-112	300E	20		D.B.	25	"	50		Near A gully							
H-113	350E	30		Reddish m.B.	15	"	40		" " "							
H-114	400E	25		Reddish m.B.	15	"	30									
H-115	450E	35		Reddish m.B.	50	"	40		Wet Soil							
H-116	2H 250N 500E	25		Reddish m.B.	30	"	40		slightly DAMP SOIL							
H-117	450E	25		Reddish m.B.	15	"	35									
H-118	400E	25		Reddish m.B.	15	"	25		slightly DAMP SOIL							
H-119	350E	20		Reddish m.B.	15	"	50		slightly DAMP SOIL hit Rock Bottom							
H-120	300E	20		D.B.	20	"	45		Near A gully							
H-121	250E	20		CACy	30	"	30		Near A gully							

Geochemical Data Sheet - SOIL SAMPLING

Sampler FRANK VON ROSSEL  
 Date April 1987

Project HEDLY  
 Property HEDLY, B.C.

NTS \_\_\_\_\_  
 Location Ref \_\_\_\_\_  
 Air Photo No \_\_\_\_\_

SAMPLE NO.	LOCATION	Depth (cm)	Horiz	DESCRIPTION			SLOPE Degree°	VEG	ADDITIONAL OBSERVATIONS / REMARKS	ASSAYS					
				Colour	Texture % Frag.	Structure SHAPE				1 <sup>n</sup>	1 <sup>b</sup>				
H-122	200E	25		D.B.	20	Sub Rainwood	25		Next to the ROAD						
H-123	150E	30		D.B.	15	"	20		Next to the ROAD						
H-124	100E	20		L.B.	40	"	20								
H-125	50E	20		D.B.	30	"	20		DAMP SOIL						
H-126	BASE LINE	25		D.B.	10-15	"	15		Very wet Soil						
H-127	50W	5		L. clay	50	"	60		3m from creek						
H-128	100W	20		D.B.	15	"	40		claim post near	10					
H-129	150W	25		D.B.	15	"	30								
H-130	200W	25		D.B.	5	"	20								
H-131	250W	25		D.B.	10	"	35		Near out crop of granitediorite						
H-132	300W	15		Reddish m.B.	15	"	50								
H-133	400W	25		Reddish m.B.	5	"	10		350W No sample possible due to large out crop.						
H-134	IN 150N 450W	25		Reddish m.B.	10	"	flat		Just before cliff						
H-135	350W	20		Reddish m.B.	15	"	40		400W No sample possible due to large out crop.						
H-136	300W	15		Reddish m.B.	20	"	35		Kept hitting large rocks						
H-137	250W	25		O.B.	15	"	15								
H-138	200W	25		D.B.	20	"	15		IN THE MIDDLE of a BIRCH TREE forest.						
H-139	150W	30		D.B.	15	"	15								
H-140	100W	20		(red)B	10	"	60		25m -from creek (West)						
H-141	50W	20		m.B.	15	"	40		25m -from creek (EAST)						

# Geochemical Data Sheet - SOIL SAMPLING

Sampler FRANK VON POSSEL  
 Date April 1987

Project HEDLY  
 Property HEDLY, B.C.

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 Air Photo No \_\_\_\_\_

SAMPLE NO.	LOCATION	Depth (cm)	Horiz	DESCRIPTION			SLOPE Degree	VEG	ADDITIONAL OBSERVATIONS / REMARKS	ASSAYS					
				Colour	Texture % Frag	Aggregate SHAPE									
H-142	BASE LINE 150N	25		M.B.	15	SUB ROUNDED	20								
H-143	50E	25		L.B.	10	"	15		Next to ROAD.						
H-144	100E	25		D.B.	15	"	25								
H-145	150E	30		D.B.	40	"	20		DAMP SOIL						
H-146	200E	25		Reddish L.B.	15	"	40								
H-147	250E	10		Reddish M.B.	30	"	50								
H-148	300E	20		D.B.	5	"	50								
H-149	350E	20		Reddish L.B.	15	"	55								
H-150	400E	35		Reddish M.B.	70	"	30		Slightly DAMP SOIL						
H-151	450E	30		Reddish M.B.	15	"	45		Slightly DAMP SOIL NEXT TO ROAD						
H-152	500E	30		Reddish M.B.	15	"	40								
H-153	LN 50N 600E	25		Reddish M.B.	30	"	55		wet SOIL						
H-154	550E	30		D.B.	15	"	35		Next to ROAD						
H-155	500E	10		Reddish M.B.	20	"	45		HIT ROCK BOTTOM						
H-156	450E	25		D.B.	15	"	60		Large Rocks AROUND AREA						
H-157	400E	25		D.B.	15	"	45								
H-158	350E	25		D.B.	15	"	60								
H-159	300E	20		D.B.	10	"	60								
H-160	250E	25		Reddish M.B.	10	"	45								
H-161	200E	30		D.B.	15	"	45								



Geochemical Data Sheet - SOIL SAMPLING

Sampler FRANK VON FOSSEL  
 Date APRIL 1987

Project HEDLY  
 Property HEDLY, B.C.

NTS \_\_\_\_\_  
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 Air Photo No \_\_\_\_\_

SAMPLE NO.	LOCATION	Depth (cm)	Horiz	DESCRIPTION			SLOPE Degree	VEG	ADDITIONAL OBSERVATIONS / REMARKS	ASSAYS				
				Colour	Texture % clay	Drainage SHAPE								
H-162	150E	30		Reddish m.B.	15	SUB ROUNDED	45		Next to ROAD					
H-163	100E	35		D.B.	15	"	30		TRACES of Reddish m.B. Colour					
H-164	50	30		D.B.	15	"	25		traces of Reddish m.B. Colour					
H-165	BASE LINE	50		L.B.	15	"	30		to west of creek					
H-166	50W	30		DARK CLAY	15	"	45		to EAST of creek hit Rock Bottom					
H-167	100W	40		L.B.	35	"	55		SLIGHTLY DAMP SOIL HIT LARGE ROCKS.					
H-168	150W	35		D.B.	20	"	20							
H-169	200W	40		L.B.	15	"	20							
H-170	250W	35		Reddish m.B.	15	"	flat		on top of out crop					
H-171	300W	35		D.B.	30	"	20		Hit Rock Bottom No sample 350W large out crop					
H-172	400W	55		Reddish m.B.	10	"	20		No sample for 450W due to cliffs					
H-173	400N 450W	35		Reddish m.B.	20	"	flat		on top of out crop					
H-174	400W	10		Reddish m.B.	15	"	15		Hit Rock Bottom 350W on top of large out crop NO SAMPLE POSSIBLE					
H-175	300W	25		Reddish m.B.	15	"	flat		Hit Rock Bottom					
H-176	250W	5-10		Reddish m.B.	15	"	50		Along side of out crop.					
H-177	200W	30		D.B.	45	"	45		Large out crop near by					
H-178	150W	40		L.B.	15	"	25							
H-179	100W	25		Light D.B.	45	"	60		Just west of creek					
H-180	50W	40		Reddish D.B.	45	"	30		Just EAST of creek					
H-181	BASE LINE	35		Reddish m.B.	40	"	45							

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Project HEDLY  
 Property HEDLY, B.C.

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 Air Photo No \_\_\_\_\_

SAMPLE NO.	LOCATION	Depth (cm)	Horiz	DESCRIPTION			SLOPE Degree°	VEG	ADDITIONAL OBSERVATIONS / REMARKS	ASSAYS				
				Colour	Texture etc. Frag	Shape								
H-182	50 E	20		D.B.	15	5-6 ROUNDED	40							
H-183	100 E	35		DB	20	"	40		traces of Red in soil					
H-184	150 E	35		DB	20	"	35		Next to ROAD / TRACES of Red					
H-185	200 E	45		REDDISH M.B.	10	"	45		Next to ROAD					
H-186	250 E	40		REDDISH L.B.	60	"	50							
H-187	300 E	20		REDDISH L.B.	40	"	50		HIT ROCK BOTTOM					
H-188	400 E	40		REDDISH L.B.	25	"	45		No sample 350 E (LARGE out crop)					
H-189	450 E	40		L.B.	20	"	45							
H-190	500 E	30		REDDISH L.B.	15	"	40		HIT ROCK BOTTOM					
H-191	550 E	40		DB	35	"	40							
H-192	14.00N 600 E	20		REDDISH M.B.	15	"	25		HIT ROCK BOTTOM					
H-193	14.50S 600 E	45		REDDISH M.R.	20	"	30		Next to ROAD					
H-194	550 E	5							on top of out crop, mostly ROCK & T ROOTS.					
H-195	500 E	45		REDDISH L.B.	20	"	40							
H-196	450 E	45		REDDISH L.B.	30	"	40							
H-197	400 E	50		REDDISH M.B.	15	"	45							
H-198	350 E	45		REDDISH M.R.	60	"	45		Some Angular Rock					
H-199	300 E	45		REDDISH L.B.	20	"	45							
H-200	250 E	45		REDDISH L.B.	15	"	45							
H-201	200 E	45		REDDISH L.B.	20	"	45							

Geochemical Data Sheet - SOIL SAMPLING.

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SAMPLE NO.	LOCATION	Depth cm	Horiz	DESCRIPTION			SLOPE Degree	VEG	ADDITIONAL OBSERVATIONS / REMARKS	ASSAYS							
				Colour	Texture % Frag	Shape SHAPE											
H-202	150 E	45		Reddish L.B.	15	SUB ROUNDED	30		Next to ROAD								
H-203	100 E	30		Reddish m.B.	40	"	30		Next to ROAD								
H-204	50 E	30		Reddish m.B.	20	"	30										
H-205	BASE LINE	40		Reddish m.B.	65	"	30		No sample for 50W & 100W due to it being too steep and too close to ROAD. THE SAMPLE ISN'T WORTH TAKING								
H-206	150 W	30		O.B.	10	"	40										
H-207	200 W	45		O.B.	5	"	15										
H-208	250 W	20		Reddish DB	30	"	35		Lots of Rocks AROUND Large out crop so NO sample at 300W								
H-209	350 W	30		Reddish m.B.	20	"	35		out crop all AROUND.								
H-210	400 W	35		Reddish L.B.	10	"	20		top of out crop, Hit Rock Bottom								
H-211	450 W	30		Reddish m.B.	15	"	5		Just before cliff								
H-212	LH 150 S 450 W	40		Reddish m.B.	30	"	25		Rock showing everywhere 350W no sample to Rocky.								
H-213	400 W	30		Reddish m.B.	15	"	45		Hit Rock Bottom								
H-214	300 W	40		Reddish L.B.	30	"	45		slightly Damp. Hit Rock Bottom								
H-215	250 W	20		L.B.	15	"	15		100W middle of ROAD NO sample								
H-216	200 W	30		Reddish L.B.	20	"	30		Next to creek DAMP SOIL								
H-217	150 W	40		O.B.	10	"	10		slightly Damp soil								
H-218	50 W	40		O.B.	80	"	35										
H-219	BASE LINE	45		Reddish O.B.	25	"	45										
H-220	50 E	40		Reddish m.B.	20	"	35										
H-221	150 E	65		Reddish m.B.	15	"	20										

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Air Photo No \_\_\_\_\_

SAMPLE NO.	LOCATION	Depth cm	Horiz	DESCRIPTION			SLOPE Degree°	VEG	ADDITIONAL OBSERVATIONS / REMARKS	Am No	ASSAYS						
				Colour	Texture % Frag	Drainage											
H-222	200 E	40		D.B.	15	Sub ROUNDED	20										
H-223	2425 S 2600 W	10		ROCKY O.B.	10	ANGULAR (A)	15		Hit Rock Bottom								
H-224	2575 W	10		LIGHT REDDISH BROWN	15	A	45		Hit Rock Bottom. ALMOST ORANGE IN COLOUR	90							
H-225	2550 W	30		grey	20	A	45			30							
H-226	2525 W	25		M.B.	60	A	45		Large rocks present in the area	20							
H-227	2500 W	25		L.B.	20	A	20		Lots of top soil								
H-228	2475 W	40		CACy	20	Sub ROUNDED (SR)	15		Lots of top soil, in between two hills (gully)								
H-229	2450 W	40		CACy	20	SR	35		Lots of top soil	10							
H-230	2450 S 2450 W	15		M.B.	10	SR	20		Hit Rock Bottom								
H-231	2475 W	50		CACy	25	SR	25		Run off between two hills	5							
H-232	2500 W	25		DARK CACy	5	A	15		Hit Rock Bottom	5							
H-233	2525 W	30		CACy	10	A	40		close to cliff (talus present)								
H-233B	2550 W	5		L.B.	30	A	40		BASE of cliff (Hit rock Bottom)	10							
H-234	2575 W	5		Reddish BROWN	5	A	10%		Next to BLASTING PIT								
H-235	2600 W	15		Reddish BROWN	10	A	10		Hit Rock Bottom								
H-236	2625 W	25		Reddish BROWN	10	A	10		Next to out crop	5							
H-237	2650 W	20		L.B.	10	SR	5		on top of small out crop TRACES of REDDISH SOIL								
H-238	2675 W	15		Reddish M.B.	5	SR	5		Next to cliff Hit Rock Bottom	5							
H-239	2475 S 2675 W	10		Reddish M.B.	20	A	25		Next to cliff Hit Rock Bottom	5							
H-240	2650 W	10		Reddish D.B.	20	A	25										

Geochemical Data Sheet - SOIL SAMPLING.

NTS

Sampler FRANK VON POSSEL  
Date April 1987

Project HEDLY  
Property HEDLY, B.C.

Location Ref \_\_\_\_\_  
Air Photo No \_\_\_\_\_

SAMPLE NO.	LOCATION	Depth (cm)	Horiz	DESCRIPTION			SLOPE Degree	VEG	ADDITIONAL OBSERVATIONS / REMARKS	ASSAYS				
				Colour	Texture of Frag	Abundance SHAPE				Ag ppb				
H-241	2625W	25		Reddish D.B.	25	A	20		Dug in an out crop					
H-242	2600W	15		L.B.	10	A	10			10				
H-243	2575W	25		Reddish L.B.	5	A	25		lots of rock showing					
H-244	2550W	50		L.B.	talus	A	50		mostly talus	20				
H-245	2525W	35		Light Grey	50	A	40		side of hill / HARD to dig through					
H-246	2500W	5		Reddish L.B.	15	A	15		Hanging over a cliff	40				
H-247	LH 150 S 200 E	45		L.B.	15	SR	30							
H-248	250 E	50		L.B.	20	SR	30		Next to ROAD	10				
H-249	300 E	40		M.B.	30	SR	45		Next to ROAD	5				
H-250	350 E	45		CACY	20	SR	45		slightly damp soil	10				
H-251	400 E	45		Reddish L.B.	10	SR	40			10				
H-252	450 E	10		Reddish D.B.	15	"	20		Next to and on top of an out crop					
H-253	500 E	40		L.B.	15	"	35			5				
H-254	550 E	40		L.B.	60	"	35		DAMP SOIL					
H-255	600 E	40		M.B.	25	"	20		WET SOIL					
H-256	650 E	40		Reddish D.B.	10	"	35		DAMP SOIL					
H-257	LH 250 S 700 E	15		M.B.	10	"	30		in middle of an out crop.					
H-258	650 E	35		M.B.	10	"	30			5				
H-259	600 E	35		M.B.	5-10	"	slat			5				
H-260	550 E	40		M.B.	15	"	10							

Geochemical Data Sheet - SOIL SAMPLING

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 Date April 1987

Project HEDLY  
 Property HEDLY, B.C.

NTS \_\_\_\_\_  
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SAMPLE NO.	LOCATION	Depth cm	Horiz	DESCRIPTION			SLOPE Degree	VEG	ADDITIONAL OBSERVATIONS / REMARKS	Ag M <sup>2</sup>	ASSAYS				
				Colour	Texture % Frag	Aggregate SHAPE									
H-261	450 E	40		m.B. to L.B.	15	Sub ROUNDED	35		no soil sample for 500 E due to large out crop						
H-262	400 E	45		Reddish m.B.	25	"	30			5					
H-263	350 E	40		L.B.	40	"	40		Next to ROAD	10					
H-264	300 E	15		L.B.	50	"	40		Next to ROAD (Hit Large Rocks)						
H-265	250 E	40		m.B. to L.B.	10	"	40			5					
H-266	200 E	40		CACY	30	"	30								
H-267	150 E	45		Reddish m.B.	20	"	25								
H-268	100 E	50		Reddish L.B.	15	"	25			5					
H-269	50 E	20		L.B. to m.B.	20	"	55								
H-270	14900 N 550 W	35		L.B.	35	A+SR	45								
H-271	450 W	30		CHALKY	60	A	40		No sample for 500W due to large out crop						
H-272	400 W	35		White BROWN	10	SR+A	45		Dug into fill coming off side of creek H-271						
H-273	350 W	25		light CACY	10	A	45		lots of TALUS AROUND						
H-274	300 W	35		CACY	25	A	45								
H-275	250 W	40		White BROWN	5	A	45								
H-276	200 W	20		Reddish L.B.	10	A	45		talus begins, HARD to Dig						
H-277	100 W	10		Reddish BROWN	10	A	50		No sample for 150W due to cliffs,	10					
H-278	50 W	35		Reddish L.B.	10	A	50		Skipped 50E due to	5					
H-279	100 E	35		CACY	10	A	50		too much TALUS	5					
H-280	150 E	30		Reddish L.B.	10	SR	50								

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SAMPLE NO.	LOCATION	Depth cm	Horiz	DESCRIPTION			SLOPE Degree	VEG	ADDITIONAL OBSERVATIONS / REMARKS	ASSAYS				
				Colour	Texture % Freq	Aggregate SHAPE				A <sub>u</sub>	W <sub>b</sub>			
H-281	225 E	10		Reddish L.B.	20	A	50			5				
H-286	BASE (800 N) LINE	30		DB	talus	A	50							
H-287	LA 900 N 500 W	10		D.B.	95	A	30		IN THE creek	10				
H-288	475 W	20		WHITE BROWN	10	A	65		JUST before the creek					
H-289	450 W	10		WHITE BROWN	25	A	75							
H-290	425 W	10		M.B.	20	A	15		ON top of AN outcrop Hit Rock Bottom					
H-291	400 W	35		M.B.	15	SR+A	55							
H-292	375 W	20		D.B.	15	A	50							
H-293	350 W	40		M.B.	20	A	65		Lots of talus present	5				
H-294	300 W	10		M.B.	15	A	10		Hit Rock Bottom					
H-295	250 W	25		M.B.	15	A	35			5				
H-296	200 W	40		M.B.	20	A	35							
H-297	150 W	10		Reddish m.B.	10	A	45		ON edge of steep outcrop Hit Rock Bottom					
H-298	125 W	45		Reddish m.B.	15	A	45							
H-299	100 W	40		M.B.	20	A	40		Base of small outcrop					
H-300	75 W	30		L.B.	10	A	50		talus present					
H-301	50 W	35		M.B.	15	A	50		talus present	5				
H-302	25 W	25		L.B.	15	A	50		talus present					
	BASE LINE				900 N				TO MUCH TALUS TO OBTAIN SAMPLE	8				
H-303	25 E	35		L.B.	talus	A	55			5				

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SAMPLE NO.	LOCATION	Depth cm	Horiz	DESCRIPTION			SLOPE Degree°	VEG	ADDITIONAL OBSERVATIONS / REMARKS	ASSAYS				
				Colour	Texture % FRAY	Drainage SHAPE				A <sub>1</sub>	A <sub>2</sub>	A <sub>3</sub>	A <sub>4</sub>	A <sub>5</sub>
H-304	50 E	35		L.B.	talus	A	70		Hit rock from outcrop.	15				
H-305	75 E	5		L.B.	15	A	55			5				
H-306	100 E	35		L.B.	15	A	50							
H-307	125 E	30		L.B.	20	A	60		Hit Rock Bottom	10				
H-308	150 E	15		L.B.	25	A	80		SAND between the talus. (cliff present)	5				
H-309	200 E	10		L.B.	talus	A	70		Rest of 900 LN is mostly TALUS	5				
H-311	2H 75 S 2475W	35		Gray	S	SR	20							
H-312	2450W	25		D.B.	20	SR	20							
H-313	2H 100 S 2450 W	40		WHITE BROWN	S	SR	20							
H-314	2475W	40		Gray	S	A	30							
H-315	2500W	30		WHITE BROWN	powder to		20		soil is of a powder					
H-316	2525W	40		WHITE BROWN	10	A	40			5				
H-317	2550W	5		L.B.	25	A	45		side of cliff surface. Soil					
H-318	2575W	35		L.B.	20	A	30		Lots of talus present	30				
H-319	2600W	5		Reddish MB	15	SR+A	30		out crop present, makes	5				
H-320	2625W	5		Reddish M.B.	10	SR+A	15		Digging Diff.					
H-321	2650W	10		Reddish L.B.	25	SR+A	25			5				
H-322	2H 150 S 2650 W	45		MB	15	A	30		Just before cliff drop off	15				
H-323	2625W	10		MB	10	A	40		Lots of talus	20				



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SAMPLE NO.	LOCATION	Depth cm	Horiz	DESCRIPTION			SLOPE Degree	VEG	ADDITIONAL OBSERVATIONS / REMARKS	ASSAYS					
				Colour	Texture % Frag	Grain SHAPE				Au Ppb					
H-324	2600W	25		Reddish L.B.	25	A	35		Base of cliff mostly talus	10					
H-325	2575W	10		L.B.	15	A	50		Hit Rock Bottom	30					
H-326	2550W	45		Grey	40	A	50		lots of talus	10					
H-327	2525W	35		WHITE BROWN	40	A	20		lot of talus	5					
H-328	2500W	20		L.B.	10	SR	20		Hit Rock Bottom	5					
H-329	2475W	45		Reddish O.B.	5	SR	20		lots of roots	10					
H-330	2450W	50		CaCy	powder		35		soil is of a powder	10					
H-331	2475W	40		CaCy	5-10	SR	20			5					
H-333	NH 100N 2075W	45		MB	45	A	40			40					
H-334	2050	50		ORANGE	60	A	40			25					
H-335	2025	45		DARK CaCy	25	A	40			45					
H-336	2000	40		MB	35	A	50			65					
H-337	1975	40		Reddish m.B.	30	SR+A	55			50					
H-338	1960	50		D.B.	20	SR	50		lot of talus AND wet soil	20					
H-339	1900	40		m.B.	20	A	55		No sample 1925W too much talus	70					
H-340	NH 75N 1975W	45		Reddish MB	25	A	65		Base of an out crop	70					
H-341	2000W	45		WHITE BROWN	30	SR	50			155					
H-342	2025W	40		MB	15	SR	40		Next to pit (pick AXE pit)	115					
H-343	2050W	40		MB	15	SR	45			10					
H-344	2075W	45		CaCy	15	SR	45			10					

Geochemical Data Sheet - SOIL SAMPLING.

Sampler FRANK VON POSSEL  
 Date April 1987

Project HEDLY  
 Property HEDLY, B.C.

NTS \_\_\_\_\_  
 Location Ref \_\_\_\_\_  
 Air Photo No \_\_\_\_\_

SAMPLE NO.	LOCATION	Depth cm	Horiz	DESCRIPTION			SLOPE Degree	VEG	ADDITIONAL OBSERVATIONS / REMARKS	ASSAYS					
				Colour	Texture % Clay	Drainage SHAPE				As ppm	Cu ppm	Ag ppm	Zn ppm	Pb ppm	
H-345	2H50N 2075W	40		orange	40	A	60			1530	3710	159	3.7	364	75
H-346	2050W	40		Grey	5	SR	50		SOIL IS OF A powder	30	112	88	0.1	1174	9
H-347	1975W	40		CAUy	15	SR	55		ERID system confusing	15	74	64	0.1	114	6
H-348	2025W	30		CAUy	20	A	65		(lots of talus	20					
H-349	2000W	45		CAUy	20	A	50		for ALL + Horse	10					
H-350	1950W	50		Grey	20	A	50		AREAS	40					
H-351	1925W	5		CAUy	50	A	50		HIT SOLID ROCK	25					
H-352	(1900W)	50		Grey	15	A	60			25					
H-353	2H 00 N 2000W	45		CAUy	15	A	60		(TALUS EVERYWHERE)	50					
H-354	2025W	10		Grey	10	A	65			35					
H-355	2050W	30		CAUy	10	A	60		talus every where	105	38	84	1.1	138	13
H-356	2075W	15		CAUy	15	A	60		lots of talus take long time to get soil	45					

**APPENDIX F**  
**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 Avenue Resources Ltd. for the use of this report in any prospectus or other documentation required by any regulatory authority.

DATED at Vancouver, B.C., this 2<sup>nd</sup> day of June, 1987.



Steve L. Todoruk, Geologist

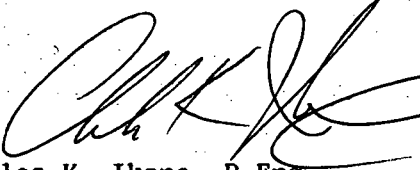
**APPENDIX G**  
**ENGINEER'S CERTIFICATE**

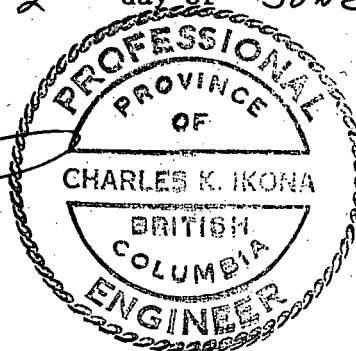
ENGINEER'S CERTIFICATE

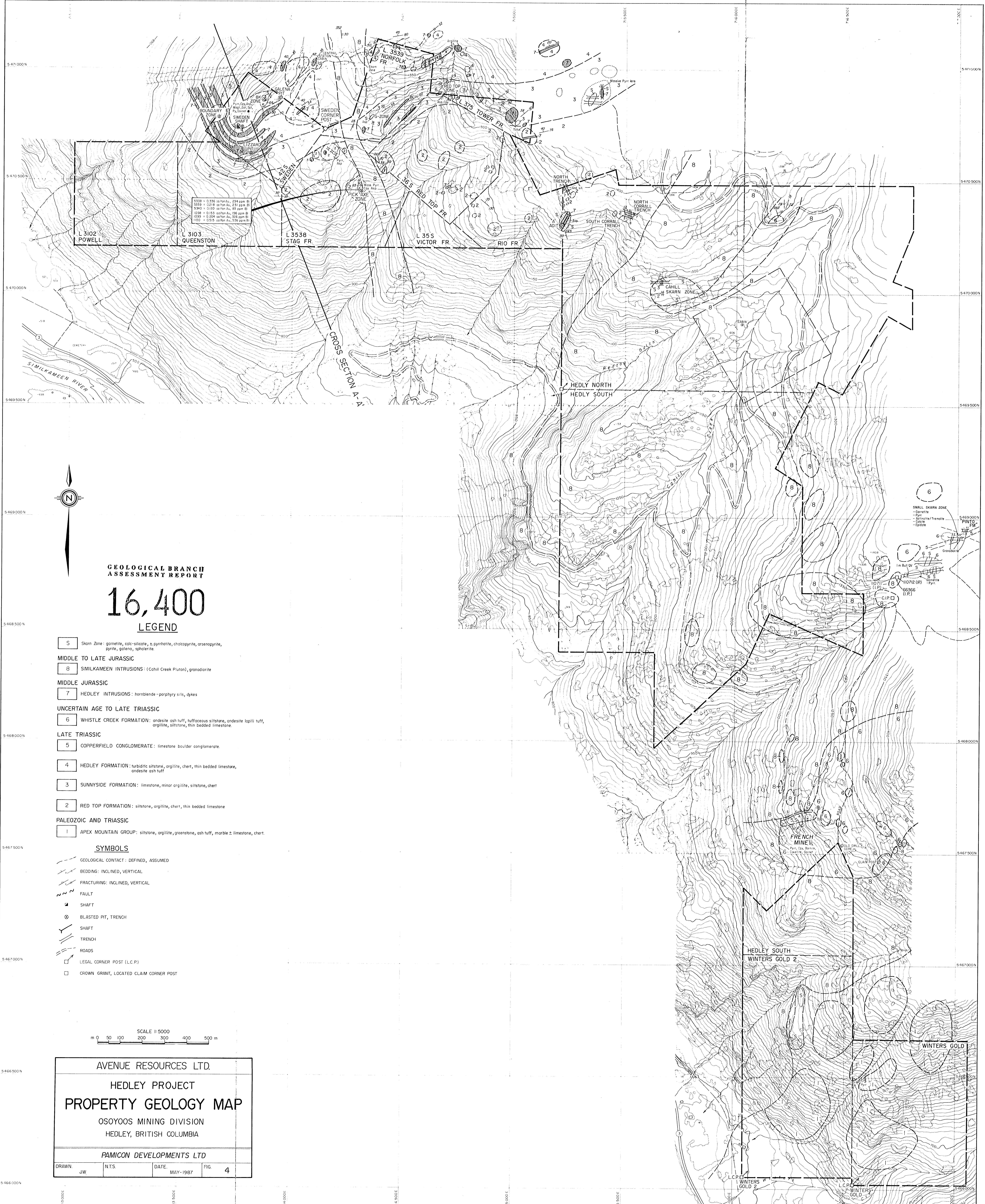
I, CHARLES K. IKONA, of 5 Cowley Court, Port Moody, in the Province of British Columbia, DO HEREBY CERTIFY:

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 Avenue Resources Ltd.'s mineral claims compiled by Steve Todoruk, with whom I have worked for one year, 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 Avenue Resources Ltd. 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 2 day of June, 1987.

  
Charles K. Ikona, P.Eng.





GEOLOGICAL BRANCH  
ASSESSMENT REPORT

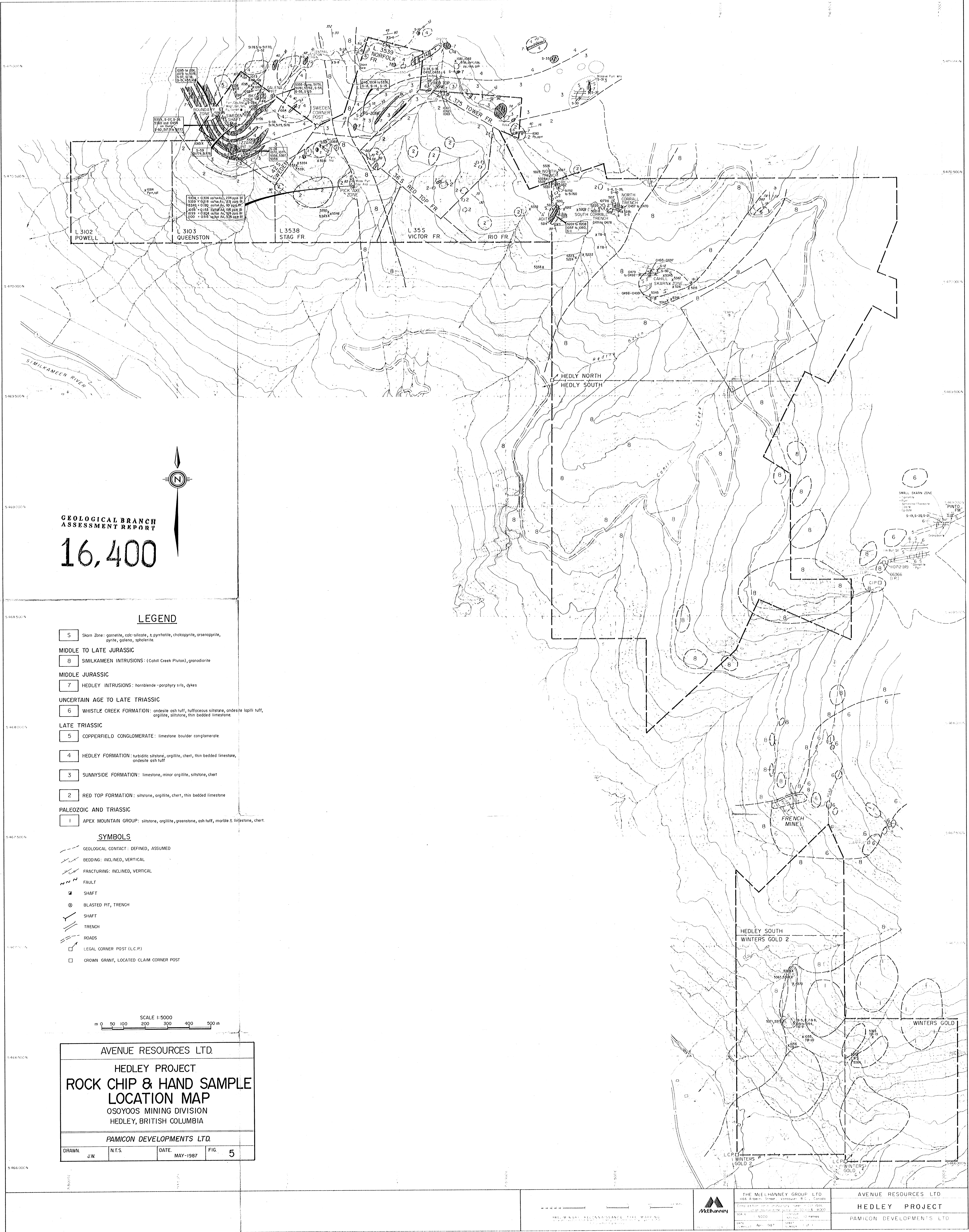
16,400

LEGEND

- 5 Skarn Zone: garnetite, calc-silicate, ± pyrrhotite, chalcopyrite, arsenopyrite, pyrite, galena, sphalerite.
  - MIDDLE TO LATE JURASSIC
  - 8 SIMILKAMEEN INTRUSIONS: (Cochill Creek Pluton), granodiorite
  - MIDDLE JURASSIC
  - 7 HEDLEY INTRUSIONS: hornblende-porphyrty sills, dykes
  - UNCERTAIN AGE TO LATE TRIASSIC
  - 6 WHISTLE CREEK FORMATION: andesite ash tuff, tuffaceous siltstone, andesite lapilli tuff, argillite, siltstone, thin bedded limestone
  - LATE TRIASSIC
  - 5 COPPERFIELD CONGLOMERATE: limestone boulder conglomerate
  - 4 HEDLEY FORMATION: turbidite siltstone, argillite, chert, thin bedded limestone, andesite ash tuff
  - 3 SUNNYSIDE FORMATION: limestone, minor argillite, siltstone, chert
  - 2 RED TOP FORMATION: siltstone, argillite, chert, thin bedded limestone
  - PALEOZOIC AND TRIASSIC
  - 1 APEX MOUNTAIN GROUP: siltstone, argillite, greenstone, ash tuff, marble ± limestone, chert
- SYMBOLS**
- GEOLOGICAL CONTACT: DEFINED, ASSUMED
  - BEDDING: INCLINED, VERTICAL
  - FRACTURING: INCLINED, VERTICAL
  - FAULT
  - SHAFT
  - ⊙ BLASTED PIT, TRENCH
  - ⊙ SHAFT
  - TRENCH
  - ROADS
  - LEGAL CORNER POST (L.C.P.)
  - CROWN GRANT, LOCATED CLAIM CORNER POST

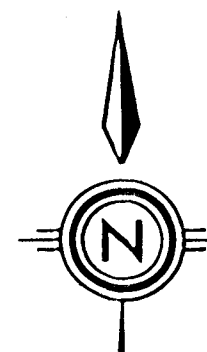
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m 0 50 100 200 300 400 500 m

AVENUE RESOURCES LTD.			
HEDLEY PROJECT			
PROPERTY GEOLOGY MAP			
OSOYOOS MINING DIVISION			
HEDLEY, BRITISH COLUMBIA			
PAMICON DEVELOPMENTS LTD			
DRAWN	NTS.	DATE	FIG.
JW		MAY-1987	4



**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

# 16,400



**LEGEND**

- S Skorn Zone: garnetite, calc-silicate, s-pyrrotholite, chatopyrrite, arsenopyrite, pyrite, galena, sphalerite.
- MIDDLE TO LATE JURASSIC**
- 8 SIMILKAMEEN INTRUSIONS: (Cahill Creek Pluton), granodiorite
- MIDDLE JURASSIC**
- 7 HEDLEY INTRUSIONS: hornblende-porphry sills, dykes
- UNCERTAIN AGE TO LATE TRIASSIC**
- 6 WHISTLE CREEK FORMATION: andesite ash tuff, tuffaceous siltstone, andesite lapilli tuff, argillite, siltstone, thin bedded limestone.
- LATE TRIASSIC**
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- PALEOZOIC AND TRIASSIC**
- 1 APEX MOUNTAIN GROUP: siltstone, argillite, greenstone, ash tuff, marble & limestone, chert.

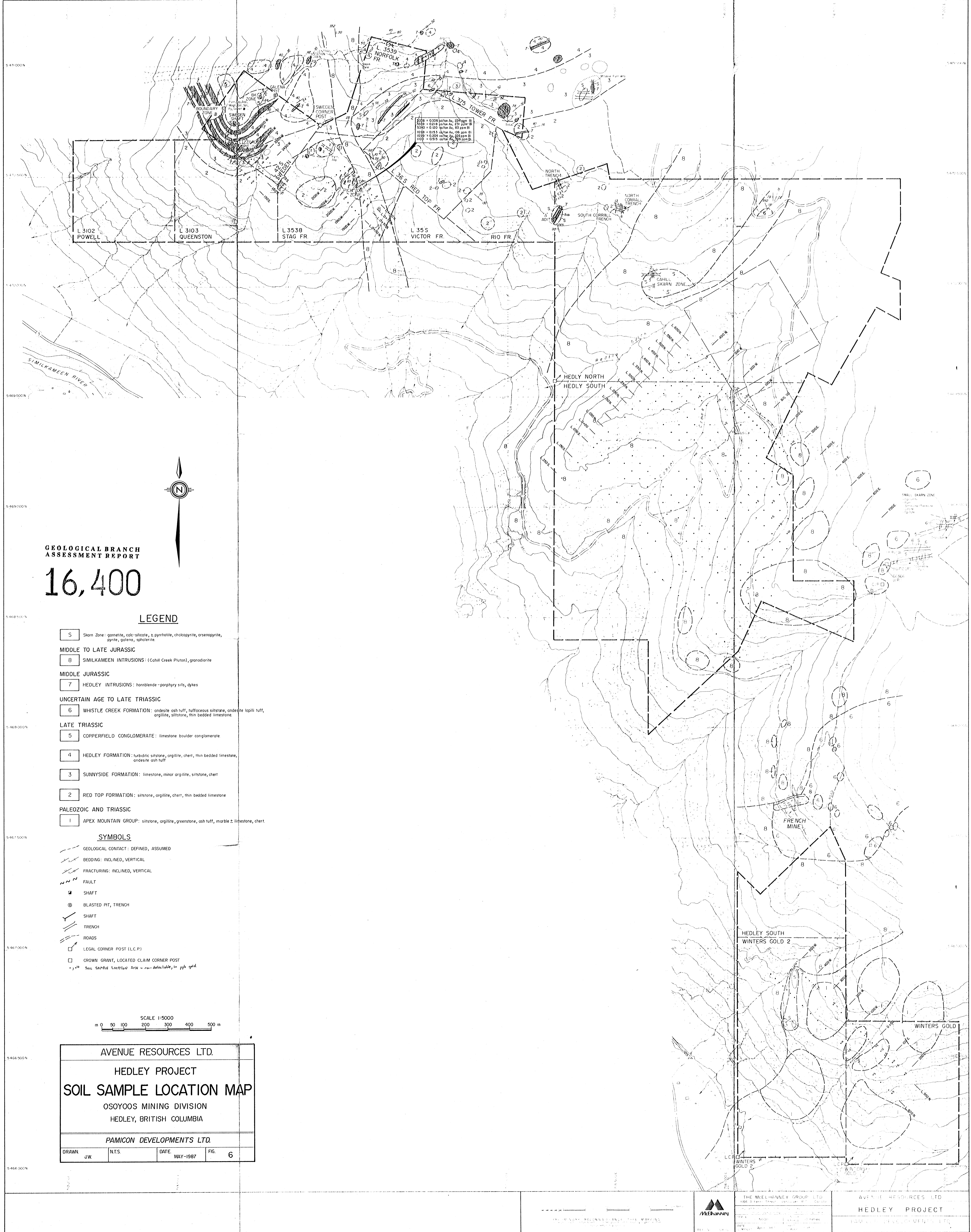
**SYMBOLS**

- GEOLOGICAL CONTACT: DEFINED, ASSUMED
- BEDDING: INCLINED, VERTICAL
- FRACTURING: INCLINED, VERTICAL
- FAULT
- SHAFT
- ⊗ BLASTED PIT, TRENCH
- SHAFT
- TRENCH
- ROADS
- LEGAL CORNER POST (L.C.P.)
- CROWN GRANT, LOCATED CLAIM CORNER POST

SCALE 1:5000  
m 0 50 100 200 300 400 500

<b>AVENUE RESOURCES LTD.</b>			
<b>HEDLEY PROJECT</b>			
<b>ROCK CHIP &amp; HAND SAMPLE</b>			
<b>LOCATION MAP</b>			
OSOYOOS MINING DIVISION			
HEDLEY, BRITISH COLUMBIA			
<b>PAMICON DEVELOPMENTS LTD.</b>			
DRAWN	J.W.	N.T.S.	DATE: MAY-1987
			FIG. 5





GEOLOGICAL BRANCH  
ASSESSMENT REPORT

16,400

LEGEND

- 5 Skarn Zone: garnetite, calc-silicate, ± pyrrhotite, chalcopyrite, arsenopyrite, pyrite, galena, sphalerite.
- MIDDLE TO LATE JURASSIC
- 8 SIMILKAMEEN INTRUSIONS: (Cahell Creek Pluton), granodiorite
- MIDDLE JURASSIC
- 7 HEDLEY INTRUSIONS: hornblende-porphphy sills, dykes
- UNCERTAIN AGE TO LATE TRIASSIC
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- LATE TRIASSIC
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- PALEOZOIC AND TRIASSIC
- 1 APEX MOUNTAIN GROUP: siltstone, argillite, greenstone, ash tuff, marble ± limestone, chert.

SYMBOLS

- GEOLOGICAL CONTACT: DEFINED, ASSUMED
- /// BEDDING: INCLINED, VERTICAL
- /// FRACTURING: INCLINED, VERTICAL
- ~ ~ ~ FAULT
- ⊙ SHAFT
- ⊙ BLASTED PIT, TRENCH
- ⊙ SHAFT
- ⊙ TRENCH
- ROADS
- LEGAL CORNER POST (L.C.P.)
- CROWN GRANT, LOCATED CLAIM CORNER POST
- Soil Sample Location Site - non-detectable, in ppb gold

SCALE 1:5000  
m 0 50 100 200 300 400 500

AVENUE RESOURCES LTD.  
HEDLEY PROJECT  
SOIL SAMPLE LOCATION MAP  
OSOYOOS MINING DIVISION  
HEDLEY, BRITISH COLUMBIA

PAMICON DEVELOPMENTS LTD.

DRAWN	J.W.	N.T.S.	DATE	MAY-1987	FIG.	6
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THE MELANNEY GROUP LTD.  
1000 - 10th Street, Vancouver, B.C. V6Z 1G1  
Tel: (604) 681-1111  
Fax: (604) 681-1112

AVENUE RESOURCES LTD.  
HEDLEY PROJECT