GEOLOGICAL REPORT
ON THE
GAB 5 MINERAL CLAIM
FOR
KIRBY ENERGY INC.

Located in the Iskut River Area
Liard Mining Division
British Columbia
NTS 104B/15W

56°50' North Latitude
130°45' West Longitude

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March, 1991

GEOLOGICAL REPORT on the GAB 5 MINERAL CLAIM

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1.0 INTRODUCTION

Between July and September, 1990 Pamicon Developments Ltd. carried out a field exploration program on Kirby Energy Inc.'s Gab 5 mineral claim (20 units) which is located in the Iskut River Gold Camp of northwestern British Columbia. Previous work on the property had identified an area in the northeast corner which was highly anomalous in zinc and arsenic in soils. Follow-up soil geochemistry in 1990 verified this anomalous zone and has expanded the anomaly over a considerable distance both on contour soil traverse lines initially and subsequently on cut grid lines.

The location of this As-Zn soil anomaly occurs immediately south of the intersecting point of two major structural lineaments identifiable both on the ground and clearly noticeable from an airborne magnetometer geophysical survey carried out in 1988. The westernmost of these structures is the McLymont Fault which appears to be spatially associated with Gulf International Minerals' Northwest Zone gold-silver skarn deposit while the eastern lineament appears to be related to numerous highgrade silver-lead-zinc (+100 oz/ton Ag, 10 to 15% Pb-Zn) carbonate hosted barite shear prospects.

Recent government geological interpretations have indicated that rocks in the area of the Gab 5 mineral claim area of early Jurassic age and not as previously believed Paleozoic age. This age would make these rocks correlative to the Betty Creek Formation and possibly the Mount Dillworth Formation which hosts the rich Eskay Creek deposit to the southeast. As a result, potential exists on the property for discovering a volcanogenic massive sulphide deposit similar to that at Eskay Creek.

As well, excellent potential exists for producing a limestone related base and/or precious metal bearing skarn or replacement deposit.

The as yet untested anomalous As-Zn soil anomalies on the Gab 5 claim may be an expression of any of the above three deposit models.

Km 0 100 200 300 400 Km

Miles 0 50 100 200 300 Miles

KIRBY ENERGY INC.

GAB 5 CLAIM

PROPERTY LOCATION MAP

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

DRAWN.	N.T.S	DATE.	FIGURE.
J.W.	104 B/15W.	March, 1991	1

2.0 LIST OF CLAIMS

Records of the British Columbia Ministry of Energy, Mines and Petroleum Resources indicate that the following claim (Figure 2) is recorded in the name of Western Informational Services Ltd. Separate documents indicate the claim is under option to Kirby Energy Inc. by an agreement dated June 6, 1988.

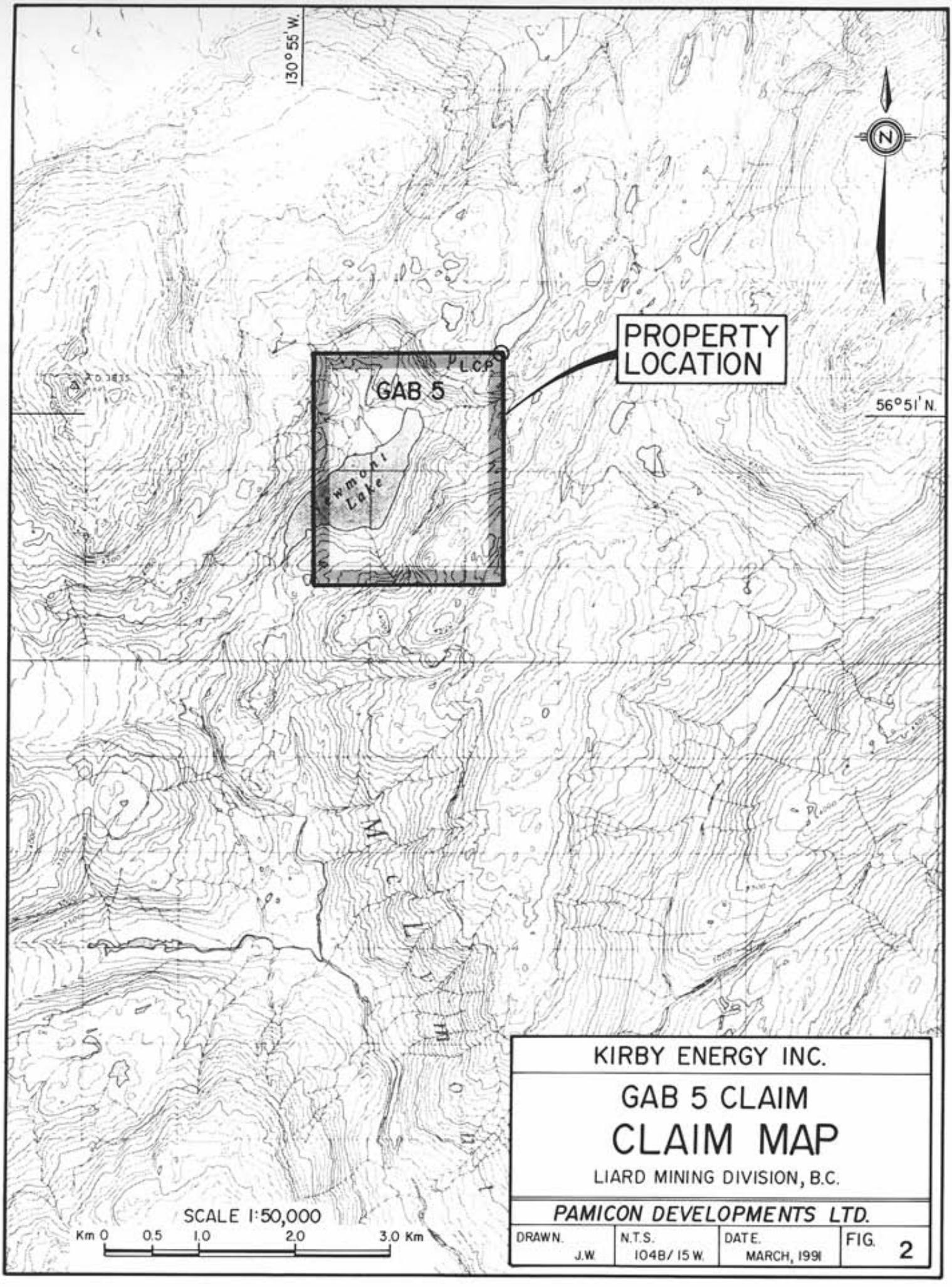
Claim Name	Record Number	No. of Units	Record Date	Expiry Date
Gab 5	3830	20	December 22, 1986	December 22, 1995

3.0 LOCATION, ACCESS AND GEOGRAPHY

The Gab 5 claim is located approximately 100 kilometres east of Wrangell, Alaska, and 115 kilometres northwest of Stewart, British Columbia, on the eastern edge of the Coast Range Mountains (Figure 1). Newmont Lake is situated within the claim boundaries and the Iskut River 15 kilometres to the south of the Gab 5 claim.

Coordinates of the claims area are 56°50' north latitude and 130°45' west longitude, and the property falls under the jurisdiction of the Liard Mining Division.

Access to the Gab 5 claim would be via fixed wing aircraft from Wrangell, Alaska or Smithers, British Columbia to either the Forrest Kerr gravel airstrip 10 kilometres northeast of the Gab 5 claim or the Bronson Creek gravel airstrip located 22 kilometres southwest from the claims. From these gravel airstrips, helicopter support is needed to reach the Gab 5 mineral claim. In addition, the Bob Quinn gravel airstrip is located 40 kilometres to the northeast on Highway 37 at Kilometre 139. Access to the property by helicopter or fixed wing can also be accomplished from this airstrip.



KIRBY ENERGY INC.

GAB 5 CLAIM
CLAIM MAP

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

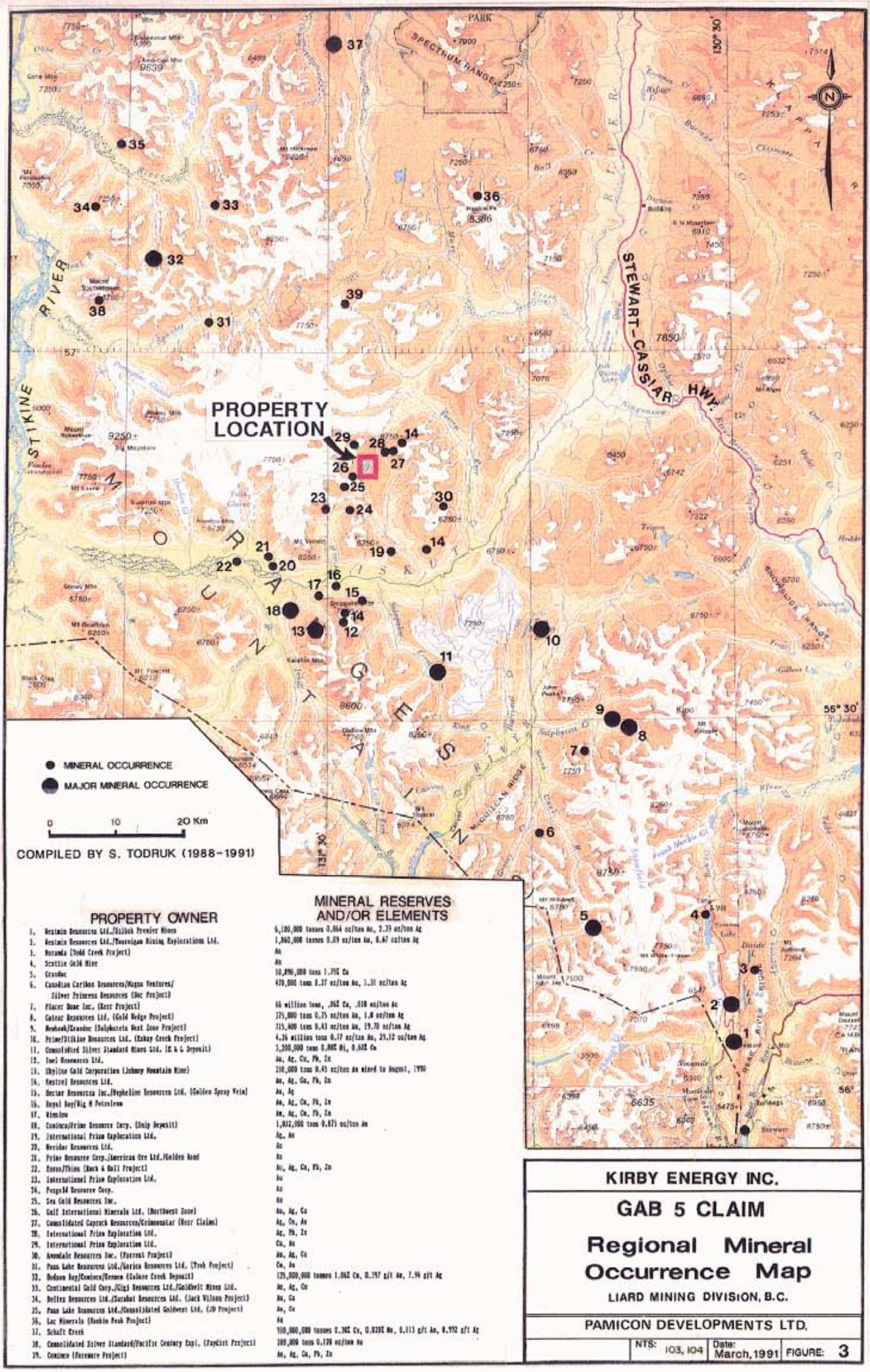
DRAWN.	N.T.S.	DATE.	FIG.
J.W.	104B/15W.	MARCH, 1991	2

Geographically, the area is typical of mountainous and glaciated terrain with the elevations ranging from 700 metres above sea level in the river valley bottoms to in excess of 1500 metres at the ridge tops. Major drainages are U-shaped, whereas smaller side creeks tend to be steeply cut due to the intense erosional environment. Active glaciation is prevalent above the 1200 metre contour, with the tree line existing at 1000 metres. The upper reaches of the area are covered with alpine vegetation. The lower slopes are predominantly timbered with a variety of conifers with an undergrowth of devil's club. More open areas and steeper slopes contain dense slide alder growth. Both summer and winter temperatures would be considered generally moderate and in excess of 200 centimetres of precipitation may be expected during any given year.

4.0 AREA HISTORY

Figure 3 of this report presents a regional scale map of northwestern B.C. from the town of Stewart in the south to near Telegraph Creek in the north, a distance of 225 kilometres. Within this area, a semi-arcuate band of Hazelton Group equivalent volcanic and sedimentary rocks (Unuk River Formation, Betty Creek Formation, Salmon River Formation) with their metamorphic equivalents trend northwest and contain most of the known mineral occurrences. This group is bounded by the Coast Range intrusive complex to the west and by the much younger sediments of the Bowser Basin to the east.

This area of approximately 10,000 square kilometres has historically been referred to as the Stikine Arch. Mining activity within it goes back to the turn of the century. Due to the large size of the region it has been referred to in more specific areas which range from the Stewart area to Sulphurets, Iskut and Galore Creek areas. Recent discoveries appear to be filling in areas between these known mineralized camps. It is probable that the entire area can be considered as one large mineralized province with attendant subareas.



PROPERTY OWNER

		MINERAL RESERVES AND/OR ELEMENTS
1.	Westmin Resources Ltd./Stikine Premier Mines	6,100,000 tonnes 0.064 oz/ton Au, 2.39 oz/ton Ag
2.	Westmin Resources Ltd./Tournigan Mining Explorations Ltd.	1,860,000 tonnes 0.09 oz/ton Au, 0.67 oz/ton Ag
3.	Noranda (Todd Creek Project)	Au
4.	Scottie Gold Mine	Au
5.	Grandoc	10,890,000 tons 1.79% Cu
6.	Canadian Caribou Resources/Magna Ventures/ Silver Princess Resources (Doc Project)	470,000 tons 0.31 oz/ton Au, 1.31 oz/ton Ag
7.	Placer Dome Inc. (Kerr Project)	66 million tons, .065 Cu, .010 oz/ton Au
8.	Cotaxe Resources Ltd. (Gold Hedge Project)	375,000 tons 0.25 oz/ton Au, 1.0 oz/ton Ag
9.	Newhawk/Granduc (Bulphurets West Zone Project)	315,400 tons 0.43 oz/ton Au, 19.70 oz/ton Ag
10.	Prime/Stikine Resources Ltd. (Kinsky Creek Project)	4.36 million tons 0.17 oz/ton Au, 25.12 oz/ton Ag
11.	Consolidated Silver Standard Mines Ltd. (E & L Deposit)	1,350,000 tons 0.80% Mo, 0.60% Cu
12.	Inel Resources Ltd.	Au, Ag, Cu, Pb, Zn
13.	Skyline Gold Corporation (Johnny Mountain Mine)	110,000 tons 0.45 oz/ton Au mined to August, 1990
14.	Kestrel Resources Ltd.	Au, Ag, Cu, Pb, Zn
15.	Doctor Resources Inc./Skyline Resources Ltd. (Golden Spray Vein)	Au, Ag
16.	Royal Bay/Big 4 Petroleum	Au, Ag, Cu, Pb, Zn
17.	Klondow	Au, Ag, Cu, Pb, Zn
18.	Cominco/Prime Resource Corp. (Snip Deposit)	1,012,000 tons 0.871 oz/ton Au
19.	International Prism Exploration Ltd.	Ag, Au
20.	Meridor Resources Ltd.	Au
21.	Prime Resource Corp./American Ore Ltd./Golden Road	Au
22.	Esso/Thios (Duck & Bull Project)	Au, Ag, Cu, Pb, Zn
23.	International Prism Exploration Ltd.	Au
24.	Pengold Resource Corp.	Au
25.	Sea Gold Resources Inc.	Au
26.	Gulf International Minerals Ltd. (Northwest Zone)	Au, Ag, Cu
27.	Consolidated Caprock Resources/Crimsonstar (Kerr Claims)	Ag, Cu, Au
28.	International Prism Exploration Ltd.	Ag, Pb, Zn
29.	International Prism Exploration Ltd.	Cu, Au
30.	Avondale Resources Inc. (Forrest Project)	Au, Ag, Cu
31.	Pass Lake Resources Ltd./Garica Resources Ltd. (Tusk Project)	Cu, Au
32.	Hudson Bay/Cominco/Rennex (Galore Creek Deposit)	125,000,000 tonnes 1.06% Cu, 0.197 g/t Au, 7.94 g/t Ag
33.	Continental Gold Corp./Gigi Resources Ltd./Goldbelt Mines Ltd.	Au, Ag, Cu
34.	Bellex Resources Ltd./Saxabot Resources Ltd. (Jack Wilson Project)	Au, Cu
35.	Pass Lake Resources Ltd./Consolidated Goldwest Ltd. (JD Project)	Au, Cu
36.	Lac Minerals (Hankin Peak Project)	Au
37.	Schaft Creek	100,000,000 tonnes 0.36% Cu, 0.030% Mo, 0.111 g/t Au, 0.992 g/t Ag
38.	Consolidated Silver Standard/Pacific Century Expl. (Foxfire Project)	200,000 tons 0.120 oz/ton Au
39.	Cominco (Forrester Project)	Au, Ag, Cu, Pb, Zn

KIRBY ENERGY INC.

GAB 5 CLAIM

Regional Mineral Occurrence Map

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

NTS:	Date:	FIGURE:
103, 104	March, 1991	3

The history of the area can be divided into two time periods: circa 1900 to the mid-1970s and the more recent activities of the late 1970s, 1980s and early 1990s.

1900 - 1975

The original discovery of mineralization in the area can be attributed to miners either en route to or returning from the Klondike gold fields at the turn of the century. Rivers flowing through the Alaska Panhandle served as access corridors and mineralization was noted along the Iskut and Unuk Rivers and at the head of the Portland Canal. Highlights of this period were:

* discovery of copper, gold, silver mineralization at Bronson Creek in the Iskut

* location of similar mineralization along the Unuk and at Sulphurets Creek

* discovery of the Silbak-Premier gold-silver mine near Stewart plus a number of other rich silver occurrences along the Portland Canal

* the location by Tom MacKay of the original mineralization at Eskay Creek near the headwater of the Unuk River

Development and production at this time was largely limited to the area around Stewart where a number of mines produced high grade silver. The most significant producer was the Silbak Premier some 12 km north of Stewart which from 1920 until 1936 produced some 2,550,000 tons grading 16.8 g/tonne gold and 409.5 g/tonne silver.

After World War II the area was explored for base metals, notably copper. This era led to the discovery of the Granduc, Galore Creek and Schaft Creek

copper deposits and the E & L copper-nickel deposit. Published reserves of these are listed below and shown on Figure 3.

	Tons	Cu (%)	Au (g/t)	Ag (g/t)	Mo (%)	Ni (%)
Granduc	10,890,000	1.79				
Galore Creek	125,000,000	1.06	0.397	7.94		
Schaft Creek	910,000,000	0.30	0.113	0.992	0.02	
E & L	3,200,000	0.60				0.80

Of these Granduc was taken to production by Newmont Mining but a combination of low copper prices and high operating cost resulted in suspension of activity.

1975 - Present

The more recent activity in the area dates to the rise of precious metal prices in the 1970s. Significant early events at this time were:

* acquisition by Skyline Explorations of their property on Mt. Johnny near Bronson Creek in the Iskut in 1980

* continued work by Esso Minerals on Granduc Mining's properties on Sulphurets Creek in the Unuk River area

* re-organization of the Silbak-Premier property and participation by Westmin Resources Ltd.

Work on these properties led to the following reserves being published for the properties listed below as well as stimulating exploration activity in the area. This activity led to the definition drilling of the Snip deposit by Cominco/Prime, the reserves of which are also shown.

Company	Deposit	Area	Short Tons	Au (oz/t)	Ag (oz/t)	Ref.
Cominco/Prime	Snip	Iskut	1,032,000	0.875		Note 1
Newhawk/Lacana	West Zone	Sulphurets	550,400	0.420	18.00	Note 2
	Sulphurets Lake Zone	Sulphurets	20,000,000	0.08		Note 3
Catear Resources	Gold Wedge	Sulphurets	295,000	0.835	2.44	Note 4
Westmin Silbak	Silbak	Stewart	5,770,000	2.06 g/t	86.3 g/t	

Note 1: News Release, Vancouver Stockwatch, November 7, 1988
Note 2: News Release, Northern Miner, February 19, 1990
Note 3: News Release, Vancouver Stockwatch, August 24, 1989
Note 4: Pers. Comm., Catear Resources

Between August, 1988 and July, 1990 Skyline Gold Corp. produced 210,000 tons grading 0.45 oz/ton Au (pers. comm., D. Yeager) from its Reg property.

These successes have generated extensive exploration activity in the area which has led to the discovery of a large number of mineral occurrences which are in a preliminary stage of evaluation. The most notable of these to date is on Tom MacKay's old Eskay Creek showings. The 1988/89/90 work on this project of Calpine/Stikine Resources indicates a major gold-silver-base metal mineral deposit of possible volcanogenic massive sulphide and epithermal affinity with a minimum strike length of 1800 metres. Some notable recent results on the project are:

DDH #CA 89-93	91.8 feet	0.453 oz/ton Au and 16.9 oz/ton Ag
DDH #CA 89-109	682.2 feet	0.875 oz/ton Au and 0.97 oz/ton Ag
including	62.3 feet	7.765 oz/ton Au and 1.35 oz/ton Ag

These intersections are considered to be close to the true width of the mineralization. A great many other excellent intersections have been

published by the companies and exploration is continuing with drilling and underground bulk sampling tests. Reserves based on this drilling indicate probable reserves of 4,364,000 tons grading 0.77 oz/ton Au and 29.12 oz/ton Ag (news release, September 14, 1990).

During the 1990 season American Fiber Corp./Consolidated Silver Butte intersected encouraging results in drilling on their adjoining claims south of Eskay Creek. Hole 90-30 returned 46.9 feet of 0.421 oz/ton Au and 30.91 oz/ton Ag (pers. comm. J. Bond, American Fiber).

Drilling on Gulf International Minerals' Northwest Zone near Newmont Lake has been ongoing between 1987 and 1990. A few of their more significant intersections are provided below (annual reports and news releases).

Drill Hole	Interval (feet)	Length (feet)	Copper (%)	Silver (oz/ton)	Gold (oz/ton)
87-25	343.0-373.0	30.0	0.23	0.11	0.404
	409.3-412.0	2.7	0.55	0.35	0.250
	470.2-473.8	3.6	0.42	0.19	1.520
87-29	167.0-170.0	3.0	0.001	0.01	0.140
	205.0-241.5	36.5	0.97	1.16	1.605
88-28	213.9-229.0	15.1	0.41	0.29	0.810
	260.5-276.6	16.1	0.24	0.29	0.645
	300.2-301.5	1.3	0.15	0.17	0.320
	330.1-338.9	8.9	1.99	0.31	0.340
	353.0-363.2	10.2	1.02	0.22	0.268

In September 1989 Bond International Gold Inc. announced initial drill results from their Red Mountain project. This project is located 20 kilometres east of Stewart. A 66 metre intersection on the Marc Zone reportedly graded 9.88 gm/tonne gold and 49.20 gm/tonne silver. On the Willoughby Gossan Zone a 20.5 metre intersection is reported as 24.98 gm/tonne gold and 184.2 gm/tonne silver.

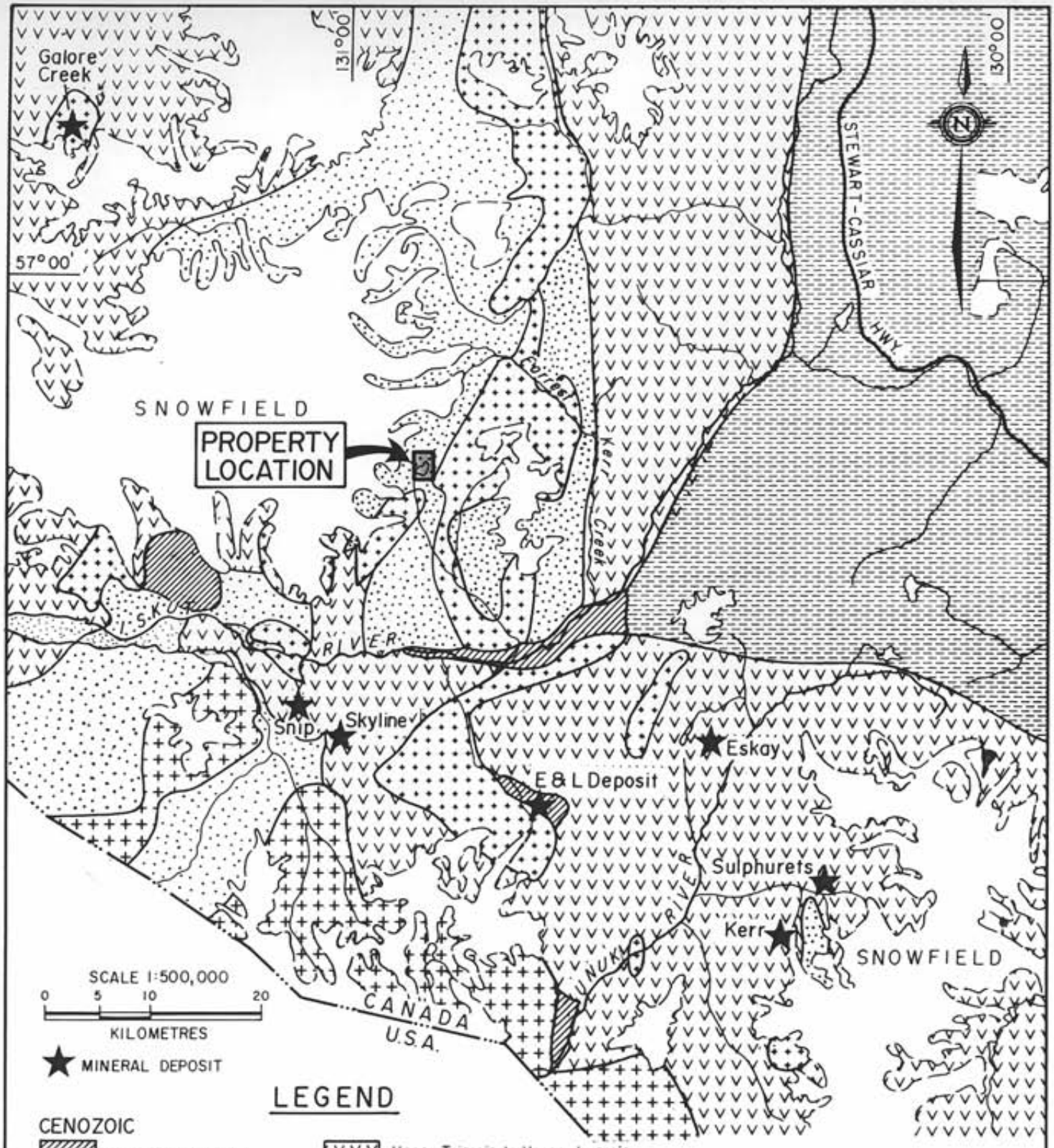
A great many other companies active in the areas have released assays from preliminary trenching and/or drilling. Many of these show excellent values in gold, silver and base metals and it is anticipated that additional properties with mineral reserves of possible economic significance will emerge. Of recent interest in the area is the discovery in 1990 of a Kuroko-type polymetallic volcanogenic massive sulphide occurrence on Eurus Resource Corp./Thios Resources Inc.'s Rock & Roll project. Trench samples range up to 0.317 oz/ton Au, 100 oz/ton Ag, 8.15% Pb, 4.24% Zn and 0.65% Cu over 4.6 feet while in drilling a 31.7 foot intersection graded 0.80 oz/ton Au, 25.7 oz/ton Ag, 2.07% Pb, 5.35% Zn, 0.58% Cu.

The locations of a number of these occurrences are indicated in the accompanying figure. At this time these represent only a fraction of the reported results in this rapidly developing area.

5.0 REGIONAL GEOLOGY

The geology of the Iskut-Galore-Eskay-Sulphurets area has undergone considerable study in the past few years by industry, federal and provincial geologists (Figure 4). Much of this work stemmed from Grove's mapping of the Stewart Complex (Grove, 1969, 1970, 1973, 1982, 1987). Earliest geological mapping of the area was carried out by Kerr (1948) during the 1920s and 1930s although Operation Stikine undertaken by the Geological Survey of Canada in 1957 produced the first publications. R.G. Anderson of the Geological Survey of Canada is presently mapping the area covered within NTS 104B.

Grove defined a northwest trending assemblage of Upper Triassic and Jurassic volcanics and sedimentary rocks extending from Alice Arm in the south to the Iskut River in the north as the Stewart Complex. Paleozoic limestone and volcanics underlie the complex while Mesozoic to Tertiary aged intrusives cut the units. Tertiary felsic plutons forming the Coast Plutonic Complex bound the area to the west while clastic sediments of the Spatsizi and Bowser Lake Groups overlap on the east.



LEGEND

CENOZOIC

- Recent basalt flows
- Early Tertiary felsic intrusives, primarily quartz monzonite

MESOZOIC

- Jurassic to Tertiary intrusives, felsic to intermediate, incl. Coast Range Intrusives
- Middle to Upper Jurassic Bowser Lake Group clastic sediments
- Upper Triassic to Upper Jurassic volcanics and sediments, Hazelton and Stuhini Groups

PALEOZOIC

- Permian and older clastic, limestone and volcanic rocks and metamorphic equivalents; includes metamorphic rocks of unknown age

Geology interpreted from G.S.C. Map 11-1971, Telegraph Creek; Equity Preservation Corp., Stewart-Sulphurets-Iskut Map 1988; B.C.G.S. Open File 1990-1; and from Pamicon Developments Ltd. field maps.

KIRBY ENERGY INC.

GAB 5 CLAIM

SIMPLIFIED REGIONAL GEOLOGY

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

Drawn	N.T.S.	Date	FIG.
J.W.	103, 104	March, 1991	4

Age dating of mineralization within the various mining districts suggests a close cospatial and coeval relationship with late Triassic to early Jurassic volcanics and intrusives. This has directed exploration efforts toward these members.

A stratigraphic column of the area's lithologies is presented on the following page.

PALEOZOIC

Stikine Assemblage Volcanic and Sedimentary Rocks

Paleozoic Stikine assemblage rocks commonly occur as uplifted blocks associated with major intrusive bodies as exposed along the southwest flanks of Johnny Mountain and Zappa Mountain.

At the base of the Stikine assemblage stratigraphic column, at least four distinctive limestone members have been differentiated interlayered with mafic volcaniclastics, felsic crystal tuffs, pebble conglomerate and siliceous shale.

Mississippian rocks consist of thick-bedded limestone members interbedded with chert, pillowed basalt and epiclastic rocks.

Lower Permian units comprise thin- to thick-bedded corraline limestone interbedded with volcanic mafic to felsic volcanic flows, tuffs and volcaniclastics.

Stratigraphy of the Iskut River Area
(after descriptions by R.G. Anderson and J.M. Logan)

Stratigraphy	Lithology	Comments
BOWSER GROUP		
M. Jurassic	conglomerate, siltstone, sandstone, shale	Successor basin
	gradational to unconformable	
SPATSIZI GROUP		
L. Jurassic	shale, tuff, limestone	
	unconformable	
HAZELTON GROUP		
E. Jurassic	coeval alkalic/calc-alkalic	contractional event? Island Arc rocks
	gradational to unconformable	
STUHINI GROUP		
L. Triassic	intrusions; mafic volcanic rocks in the east, bimodal in the west	extensional in western area
	polymictic conglomerate basaltic to andesitic volcanics (plagioclase and hornblende)	no Triassic clasts; limestone clasts common
M. Triassic	sedimentary rocks	
	unconformable — contractional event	
STIKINE ASSEMBLAGE		
Permian	thin bedded coralline to crystalline limestone (over 1000 m thick), fossiliferous; intermediate flows and volcaniclastics	volcanic units resemble Hazelton Group rocks
E. Permian	rusty argillite	
	unconformable	
	'siliceous' turbidite, felsic lapilli tuff	extensional event
Missis-sippian	mafic meta-volcanics and metasediments; upper coralline limestone and conglomerate; lower limestone with tuff layers	thick bedded; limestone commonly bioclastic, coarse crinoids, corals
	unconformable	
E. Devonian	limestone; intermediate to felsic volcanics	contractional events; rocks highly deformed

Plutonic Rocks - Coast Plutonic Complex

L. Tertiary	granodiorite, diorite, basalt
	intrusive contacts
E. Tertiary	quartz diorite, granodiorite, quartz monzonite, feldspar porphyry, granite
	intrusive contact
M. Jurassic	quartz monzonite, feldspar porphyry, syenite
	intrusive contact
L. Jurassic	diorite, syenodiorite, granite
	intrusive contact
L. Triassic	diorite, quartz diorite, granodiorite
? Not determined	quartz diorite, ?

MESOZOIC

Stuhini Group Volcani and Sedimentary Rocks

Upper Triassic Stuhini Group volcanic and sedimentary rocks are characterized by a distinct facies change from bimodal mafic to felsic flows and tuffs interbedded with thick sections of limestone in the northwest to predominantly mafic volcanics with minor shale members in the southeast.

Hazelton Group Volcanic and Sedimentary Rocks

Lower Jurrasic Hazelton Group volcanic and sedimentary rocks predominantly occur in the southeast, northwest corners and central portions of the Galore-Iskut-Sulphurets area. Hazelton Group stratigraphy consists of the lowermost Unuk River Formation (Grove, 1986) comprised of mafic to intermediate volcanics with interbedded shale, argillite and greywacke sediments capped by feldspar porphyry flow; the Betty Creek Formation (Grove, 1986) overlying the Unuk River Formation consists of maroon and green volcanic conglomerate and breccia often containing diagnostic jasperoidal veins, with the youngest uppermost member of the Hazelton Group consisting of dacite to rhyolite, spherulitic rhyolite welded tuff and tuff breccia with basal sediments and upper pillow basalts correlative with Grove's (1986) Salmon River Formation and Alldrick's (1987) Mount Dilworth Formation.

Lower Jurassic volcanics of the area are commonly correlated with the Telkwa Formation of the Hazelton Group. A close spatial and coeval relationship has long been recognized (Alldrick, 1986, 1987 and others) between Lower Jurassic volcanism and early Jurassic intrusive activity and its metallogenic importance in precious metal mineralization (Premier porphyry). Because of the relationship, lower members of the Hazelton Group are considered the most favourable targets for exploration.

Spatsizi Group Sedimentary Rocks

Spatsizi Group shales, tuffs and limestone of upper Lower and lower Middle Jurassic age overlie Hazelton Group rocks in the eastern part of the map area. Buff, sandy bivalve and belemnite fossil bearing limestone units decrease in abundance in the north parts of the area at the expense of shale. Here, black radiolarian-bearing siliceous shale alternately interbeds with white tuffs giving the units an informal name of 'pyjama beds'. This pyjama bed sequence serves as an important marker for identifying the favourable underlying Hazelton Group.

Bowser Group Sedimentary Rocks

Bowser Lake Group Middle and Upper Jurassic clastic sediments cover most of the northeast quadrant of the map area. Interbedded shale and greywacke units predominate in the south while thick-bedded shales dominate toward the north. Near the highlands toward the northern reaches of the Bowser Basin, basal chert-rich conglomerates identify the Bowser Group as an overlap assemblage.

CENOZOIC VOLCANIC ROCKS

Recent mafic flows and ash of the Hoodoo Formation, Iskut Formation and Lava Fork Formation cap specific areas within the region.

PLUTONIC ROCKS

The Coast Plutonic Complex, forming the western boundary of the Stewart Complex, is generally characterized by felsic Tertiary plutons. Late Triassic Stuhini Group and Early Jurassic Hazelton Group plutonic styles suggest coeval and cospatial relationships with surrounding volcanics via distinctive porphyritic dykes such as the Premier Porphyry. Tertiary Coast Complex plutons lack these dykes and volcanic equivalents.

6.0 PROPERTY GEOLOGY

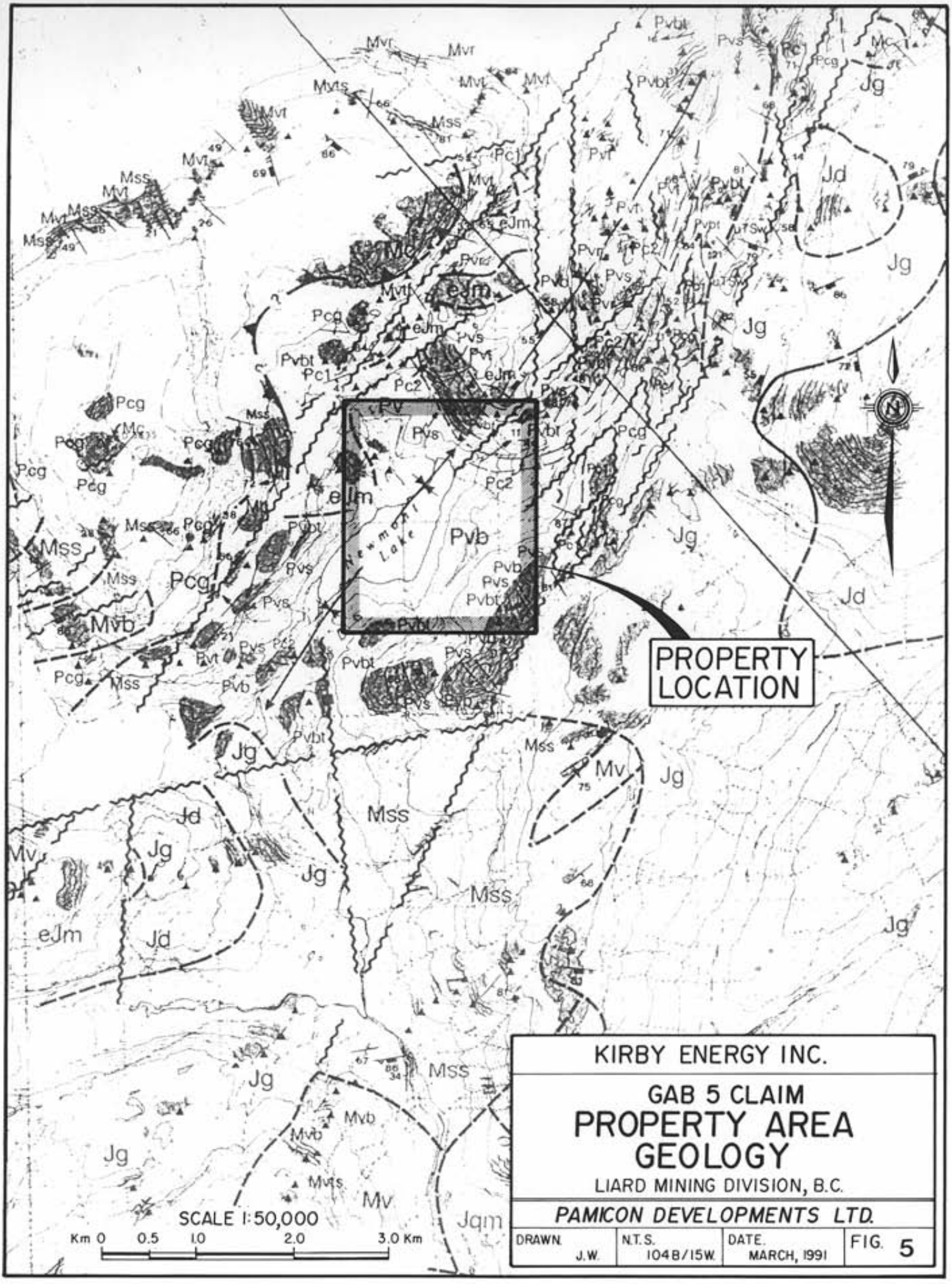
As reported in the March, 1990 Geological Report on the Gab 5 Mineral Claim by Todoruk, a general understanding of the geological environment in the vicinity of the Gab 5 claim was taken from provincial government geological mapping carried out in 1989 (Open File 1990-2 by J.M. Logan, V.M. Koyanagi, J.R. Drobe). More recent work by the BCMEMPR consisting chiefly of fossil age dating has indicated that a structural package marked by the McLymont Fault on the west and a similarly prominent northeast trending structural lineament 3 km to the east defines what is now termed the McLymont Graben. This graben is portrayed as a broad synform from which at its lower topographical elevations south of Newmont Lake has yielded latest Upper Triassic aged conodonts.

Northward, on the north shores of Newmont Lake, a thick succession of crystal tuffs, volcanic sandstone, dark grey to black algal limestone and andesite breccia flows occurs from which more than ten attempts were made at various locations to retrieve conodonts or radiolarian fossils for age dating purposes. No noticeable fossils were present suggesting this package of rocks signifies an age of early Jurassic (pers. comm. J.M. Logan, BCMEMPR) and consequently correlative to rocks of the Betty Creek Formation seen elsewhere in the Iskut River Camp to the east.

Also found higher up section and to the north are rocks of felsic volcanic composition and again are being contemplated as correlative to the Mount Dillworth Formation which is spatially associated with the world class polymetallic Eskay Creek volcanogenic massive sulphide deposit 35 km to the southeast.

Early Jurassic monzonite plugs intrude these rocks to the east, west and north.

Geological mapping carried out on the Gab 5 claim in 1990 was focussed in the area of the northeast corner of the property around the anomalous As-Zn soil



KIRBY ENERGY INC.

GAB 5 CLAIM

PROPERTY AREA GEOLOGY

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

DRAWN.	N.T.S.	DATE.	FIG.
J.W.	104B/15W.	MARCH, 1991	5

LEGEND

QUATERNARY

Rv — *RECENT VOLCANICS*

Qal — *TILL, ALLUVIUM*

LAYERED ROCKS

MIDDLE TO UPPER JURASSIC BOWSER LAKE GROUP

JBp — *PLANAR BEDDED SHALE AND LOCALLY CROSSBEDDED SANDSTONE TURBIDITE COUPLETS*

JBcg — *CHERT PEBBLE TO GRANULE CONGLOMERATE*

JURASSIC

Ju — *UNDIVIDED SEDIMENTS AND VOLCANICS*

Jw — *BRECCIATED AND CRACKLE FRACTURED DARK GREEN AND GREY SILICEOUS SILTSTONES AND PYRITIC CHERT, CARBONACEOUS TUFFACEOUS WACKES WITH INTERBEDDED CONGLOMERATE CONTAINING CLASTS OF CHERT, BLACK SILTSTONE, AND INTERMEDIATE TO FELSIC VOLCANICS (Jwcg)*

MIDDLE(?) JURASSIC

mJvb — *DENSE MEDIUM GREY TO GREEN PILLOW BASALT, LOCALLY AMYGDALOIDAL, PLAGIOCLASE PHYRIC, PILLOW BRECCIA FLOWS AND FLOW BRECCIAS, HYALOCLASTITE.*

mJvs — *THINLY BEDDED, ALTERNATING BLACK AND WHITE SILICEOUS TUFFS AND SEDIMENTS*

LOWER(?) JURASSIC

LJp — *FISSILE, THIN BEDDED, SILTSTONE AND SANDSTONE WITH CARBONACEOUS WOOD FRAGMENTS, GRANULE CONGLOMERATES CONTAINING INTERMEDIATE VOLCANIC, SEDIMENTARY AND LIMESTONE CLASTS.*

Llt — *BROWNISH GREY LAPILLI AND CRYSTAL TUFF; RHYOLITE CRYSTAL TUFF AND LESSER FLOWS (Lfr)*

UPPER TRIASSIC STUHINI GROUP

uTS — *UNDIVIDED VOLCANICS AND SEDIMENTS*

- **uTSvl** — *MAROON AND GREEN PLAGIOCLASE AND LESSER AUGITE-PHYRIC LAPILLI TO BLOCK TUFFS AND ASSOCIATED EPICLASTICS*
- **uTSv** — *MAROON AND GREEN PORPHYRITIC VOLCANIC FLOW BRECCIAS, PLAGIOCLASE-PHYRIC (uTSvfc); AUGITE-PHYRIC (uTSvc)*
- **uTSl** — *GREY-GREEN APHANITIC TUFF*
- **uTSw** — *TUFFACEOUS WACKE, ARGILLITE, LIMESTONE; CARBONACEOUS AND CALCAREOUS SILTSTONE INTERBEDDED WITH FINE GRAINED SANDSTONE AND MINOR CONGLOMERATE; MAROON VOLCANIC CONGLOMERATE WITH LIMESTONE CLASTS(uTSwlg)*

PALEOZOIC STIKINE ASSEMBLAGE

Pu — *UNDIVIDED METAVOLCANICS AND METASEDIMENTS*

WESTERN ASSEMBLAGE

PERMIAN

Pv — *UNDIVIDED PERMIAN VOLCANICS AND SEDIMENTS*

- **Pvt** — *LAPILLI AND PLAGIOCLASE CRYSTAL TUFF, FELSIC WELDED ASH TUFF, THINLY BEDDED SILICEOUS LIMESTONE LENSES, RHYOLITE FLOWS (Pvr); VOLCANIC SANDSTONE, SILTSTONE AND MAROON SHALE(Pvt) WATER CONGLOMERATES (Pvs)*
- **Pc2** — *ALGAL LIMESTONE; THIN-LAMINATED, DARK GREY TO BLACK, LOCALLY FETID, WEATHERS BUFF, PISOLITE-RICH BEDS AND CUSPATE STACKED CONCAVE ALGAL STRUCTURES COMMON*
- **Pvb** — *HORNBLENDE-PLAGIOCLASE PORPHYRITIC ANDESITE BRECCIA FLOWS; LOCALLY AMYGDALOIDAL, CONTAINS 30 TO 40 PERCENT EUHEDRAL WHITE PLAGIOCLASE AND 15 PERCENT CHLORITIC ACICULAR HORNBLENDE CRYSTALS; MAROON LAHAR AND LAPILLI TUFF (Pvlp)*
- **Pc1** — *BIOCLASTIC LIMESTONE WITH CHERTY INTERBEDS; MEDIUM-BEDDED TO MASSIVE GREY BIOCLASTIC CALCARENITE AND LESSER BUFF SILTY DOLOMITIC UNITS, THIN BEDDED SECTIONS CONTAIN BLACK TO YELLOWISH BUFF AMORPHOUS SILICA BEDS UP TO 20 CENTIMETRES THICK; SOLITARY CORALS, FORAMINIFERA, BRYOZOAN, CRINOIDS AND VARIOUS BRACHIOPODS ARE LOCALLY ABUNDANT*
- **Pcg** — *THICK BEDDED, BOULDER TO PEBBLE CONGLOMERATE, CLASTS ARE AUGITE PHYRIC, PLAGIOCLASE PHYRIC, ANDESITE, BASALT, AND LIMESTONE CLASTS.*

MISSISSIPPIAN - PENNSYLVANIAN

- **Mss** — *SILTSTONE-SANDSTONE TURBIDITES AND LESSER CHERTS*
- **Mc** — *THICK-BEDDED CRINOIDAL CALCARENITE WITH INTERBEDDED SILICEOUS SILTSTONE*
- **Mv** — *UNDIVIDED VOLCANICS*
  - **Mvt** — *MAFIC TO INTERMEDIATE SCORIACEOUS LAPILLI TUFF; SILICEOUS DUST TUFFS AND EPICLASTICS (Mvtc); INTERMEDIATE TO FELSIC ASH FLOW AND WELDED TUFFS (Mvtf)*
  - **Mvr** — *RHYOLITE, RHYODACITE, PINK AND ORANGE FLOW BANDED BRECCIAS VARYING TO MASSIVE SUBVOLCANIC BODIES, GLOMEROPORPHYRITIC FELDSPAR AND QUARTZ EYES COMMON.*
  - **Mvb** — *MASSIVE AMYGDALOIDAL BASALT FLOWS; HYALOCLASTITE DEBRIS FLOWS (Mvbhc); PILLOW BASALT (Mvbp)*

EASTERN ASSEMBLAGE

PERMIAN

- **Ptc** — *DEFORMED CHLORITIC TUFFS AND METAVOLCANICS, INTERBEDDED TUFFACEOUS AND SILICEOUS SILTSTONES AND NUMEROUS THIN BEDDED RECRYSTALLIZED LIMESTONES.*
- **Pc** — *LIMESTONE; BIOCLASTIC, MEDIUM-BEDDED, RECRYSTALLIZED, WHITE TO BUFF, SPARSELY CRINOIDAL CALCARENITE WHICH LOCALLY IS COMPLETELY RECRYSTALLIZED TO COARSE CALCITE*

PERMIAN AND OLDER

- **Pms** — *METASEDIMENTS AND MINOR LIMESTONE; SILTSTONES ARE GREY TO LIGHT GREEN, PHYLLITIC AND INTERLAYERED WITH GRAPHITIC ARGILLITE AND SILICEOUS PHYLLITE AND THIN LENSES OF DARK BROWN LIMESTONE; GREEN AND WHITE SILICEOUS TURBIDITE COUPLETS AND CHERTY TUFFS(Pmsw) OCCUR HIGH IN THE STRATIGRAPHY.*
- **Pc** — *LIMESTONE; RECRYSTALLIZED, THIN BEDDED TO MORE COMMONLY MASSIVE, WHITE TO BUFF COLOURED.*
- **Pmv** — *MAFIC TO FELSIC METAVOLCANICS, RARE LIMESTONE LENSES; VARIABLY FOLIATED TO SCHISTOSE, PURPLE TO DARK GREEN PLAGIOCLASE PORPHYRITIC FLOWS AND TUFFS.*

LOWER DEVONIAN

lDc — *DEFORMED CORALLINE LIMESTONES; LESSER INTERBEDDED PEBBLE CONGLOMERATE, SILICEOUS AND CARBONACEOUS SHALES AND BOTH MAFIC AND FELSIC TUFFS.*

INTRUSIVE ROCKS

CRETACEOUS AND YOUNGER (?)

Kp — *PLAGIOCLASE QUARTZ PORPHYRY; OCCURS AS SMALL PLUGS AND DYKES INTRUDING NORTH TRENDING FAULTS, PYRITIC AND ORDERED TO YELLOW AND RED GOSSANS.*

JURASSIC AND YOUNGER(?)

Jg — *BIOTITE GRANITE; PINK, COARSE TO MEDIUM GRAINED, EQUIGRANULAR TO "QUARTZ EYE" PORPHYRITIC, LESS COMMONLY HORNBLENDE IS THE MAFIC CONSTITUENT, QUARTZ EYES FOR 30 PERCENT, QUARTZ RICH PHASES (30 PER CENT) ARE SPATIALLY RELATED TO FAULT STRUCTURES*

Jqm — *HORNBLENDE QUARTZ MONZONITE TO MONZONITE; COARSE TO MEDIUM GRAINED, HORNBLENDE AVERAGES 20 PERCENT AS 5 MILLIMETRE CRYSTAL LATHS AND POIKILITIC CLOTS, BIOTITE WHERE PRESENT IS FINE GRAINED AND LESS THAN 5 PERCENT.*

Jd — *HORNBLENDE DIORITE, HORNBLENDE QUARTZ DIORITE; HORNBLENDE IS CHLORITIC AND COMPRISES MORE THAN 40 PERCENT OF THE ROCK.*

MIDDLE(?) JURASSIC

Jdl — *DIORITE TO GABBRO; COARSE GRAINED, OCCURS AS STOCKS AND SILLS, PLAGIOCLASE CRYSTALS ARE EUHEDRAL TO SUBHEDRAL ACICULAR CLOTS WHICH IMPART A DISTINCTIVE FELTY INTERLOCKING TEXTURE, THESE SUBVOLCANIC INTRUSIONS MAY REPRESENT FEEDERS TO THE PILLOW BASALTS(Jlv)*

EARLY JURASSIC

eJm — *HORNBLENDE-PLAGIOCLASE-PORPHYRITIC MONZONITE; OCCURS AS DYKES, SILLS AND PLUGS CHARACTERIZED BY A HEMATITIC GROUNDMASS ALTERED WITH PINK SUBHEDRAL TO EUHEDRAL PLAGIOCLASE (UP TO 50 PERCENT) AND HORNBLENDE CRYSTALS, TRACHYTIC TEXTURES ARE COMMON, STRONGLY MAGNETIC.*

eJg — *HORNBLENDE BIOTITE POTASSIUM FELDSPAR MEGACRYSTIC GRANITE.*

AGE UNKNOWN

- **qd** — *HORNBLENDE QUARTZ DIORITE; MEDIUM GRAINED, LOCALLY FOLIATED AND ALTERED, CONTAINS IRREGULAR MAFIC INCLUSIONS (UP TO 100 CENTIMETRES) OF AMPHIBOLITES.*
- **d** — *ALTERED DIORITE*
- **DYKES** — *a) APHYRIC ANDESITE AND BASALT; (b) MAFIC PLAGIOCLASE PHYRIC; i) LAMPROPHYRE; d) RHYOLITE/APLITE*

MAP SYMBOLS

Geological contact (defined, approximate, assumed)

Unconformable contact (defined, assumed)

Bedding (horizontal, inclined, overturned)

Foliation

Fault (observed, inferred)

Thrust or high angle reverse fault (defined, assumed)

Anticline (direction of plunge indicated)

Syncline (direction of plunge indicated)

Minor fold axis

Joint

Dyke

Vein

Outcrop visited

geochemical signatures. Mapping completed along cut and chained grid lines is depicted in Figure 8 of this report. A northwest trending unit of thinly laminated, dark grey to black limestone forms a prominent set of cliffs along the east ends of the grid lines. Stratigraphically below the limestone is a poorly sorted (pebble to boulder) polymictic conglomerate, a purple and green fragmental andesitic lithic tuff, bluish grey plagioclase porphyritic crystal tuff with minor dark grey to black and fine grained siltstone/fine ash tuff.

7.0 GEOCHEMISTRY AND MINERALIZATION

During 1990, a total of 682 soil samples and 13 rock samples were collected from the Gab 5 claim. Of this, 271 soils were collected from contour traverse lines in the area and upslope of L100/25+00N to L100/35+00N where values obtained in 1989 produced 39 samples greater than 100 ppm As ranging up to >2,000 ppm As and 18 samples greater than 200 ppm Zn ranging up to 2,494 ppm Zn. 1990 contour soil results for As + Zn are plotted on Figures 6 and 7 of this report. Values for Au are not plotted as the highest value is 40 ppb Au. However, these results are listed on the appropriate soil sheets appended to this report.

The results from the initial phase of this program verified prior sampling in this area and at this time it was decided to establish a cut and chained survey grid for control in trying to establish the source of this geochemical anomaly.

A baseline was oriented at 310° with crosslines run perpendicular to this at 100 metre intervals. The majority of crosslines were terminated at their northeast end at the base of steep limestone cliffs.

Figures 9 to 12 illustrate values for gold, silver, arsenic and zinc.

Soil samples were collected at 25 metre interval stations on survey lines. Samples were taken at depths varying from 5 to 75 cm and of B-C type horizon

material. The material was then stored at the Bronson Creek base camp and then shipped to Vangeochem Labs in Vancouver, B.C. A description of analytical procedures is appended to this report.

No showings of significance have been found on the property or associated with the widespread As-Zn soil anomaly to date. However, sample 91558 was collected from a limestone outcrop in the detailed grid area (Figure 8) and did produce geochemically anomalous values in gold, cadmium, arsenic and zinc as listed below:

Sample Number	Au (ppb)	Cd (ppm)	As (ppm)	Zn (ppm)
91158	50	32.6	>2,000	4,018

An unidentifiable black mineral was noted within limonitic alteration and could possibly represent fine-grained sphalerite.

8.0 DISCUSSION AND CONCLUSIONS

Field work carried out on Kirby Energy Inc.'s Gab 5 mineral claim in 1990 has verified the presence of an extensive As-Zn soil anomaly initially discovered in 1989.

With new government geological interpretations of host stratigraphy age determinations in the Newmont Lake area (i.e. the McLymont Graben) as being of early Jurassic age, it is possible to better suggest soil anomalies of the As-Zn gendre are more attributable to a volcanogenic massive sulphide depositional model as compared to skarn or limestone replacement varieties. In western North America there is a very poor correlation between As (and As $\pm$ Zn) and Au in known skarn and replacement type deposits. However, this association is present in several VMS type ore bodies including the only two deposits of this nature in the Iskut River, the Eskay Creek deposit 35 km to the southeast and the Black Dog deposit 27 km to the southwest.

Continued evaluation of the Gab 5 mineral claim is strongly recommended for 1991 with continued geological mapping and sampling, grid expansion, soil geochemistry and geophysical surveying which should include VLF-EM/magnetometer, IP and horizontal loop surveys.

Respectfully submitted,

S.L. Todoruk, Geologist

C.K. Ikona, P.Eng.

APPENDIX I

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BIBLIOGRAPHY

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APPENDIX II

COST STATEMENT

COST STATEMENT

KIRBY ENERGY INC.

GAB 5 MINERAL CLAIM

LIARD MINING DIVISION

JULY 1, 1990 TO OCTOBER 31, 1990

WAGES		
Manager/Coordinator		
K. Milledge - 4 days @ $250.00	$ 1,000.00	
Geologists		
S. Todoruk (Senior Geologist) - 2.5 days @ $400.00	1,000.00	
R. Darney (Senior Geologist) - 1 day @ $400.00	400.00	
R. Gerhardt (Field Geologist) - 1 day @ $325.00	325.00	
L. Vanzino (Field Geologist) - 4.5 days @ $325.00	1,462.50	
Prospectors		
E. Debock - 1.5 days @ $300.00	450.00	
N. Debock - 1 day @ $300.00	300.00	
J. Anderson - 2 days @ $300.00	600.00	
W. Wiggins - 2 days @ $250.00	500.00	
Samplers/Core Splitters		
P. Hoffman - 7 days $225.00	1,575.00	
T. Montgomery - 3 days @ $225.00	675.00	
K. Russell - 3 days @ $225.00	675.00	
E. Munroe - 4 days @ $225.00	900.00	
B. McAdam - 4 days @ $225.00	900.00	
B. Charlton - 1 day @ $225.00	225.00	
C. O'Brien - 2 days @ $225.00	450.00	
D. Flinn - 1 day @ $225.00	225.00	
B. Lightle - 3 days @ $225.00	675.00	
G. Douglas - 1 day @ $225.00	225.00	
J. Elmore - 1 day @ $225.00	225.00	
Surveyors		
Robert Allen & Company (legal surveyors)	3,446.11	
B. Lightle - 3 days @ $250.00	750.00	
Line Cutters		
Gordon Clark & Associates - 27 days @ $300.00	8,100.00	
Total Wages		$ 25,083.61
Project Supervision		2,239.39

CAMP AND EQUIPMENT EXPENSES

Room and Board			
Pamicon Crew	51.5 days		
Line Cutters	27.0 days		
Helicopter Crew	9.0 days		
	81.5 days @ $125.00	$ 10,937.50	
Field Equipment and Supplies		2,212.50	
			13,150.00

GENERAL EXPENSES

Travel, Accommodation and Airfare	$ 1,130.00	
Space Tel Communications	720.00	
Fixed Wing	664.72	
Helicopter	12,071.12	
Freight	204.64	
Assays	7,224.00	
Survey Equipment Rental	230.00	
Map Reproductions	150.06	
Report	3,000.00	
		25,394.54

TOTAL THIS PROGRAM	$ 65,867.54

APPENDIX III

ROCK SAMPLE DESCRIPTION FORMS

DEVELOPMENTS LIMITED — Geochemical Data Sh[eet] - ROCK SAMPLING

Sampler E. Monroe
Date July 24/90

Project Kirby
Property Gab 5

NTS
Location Ref
Air Photo No

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / Iron Width	DESCRIPTION: Rock Type	Alteration	Mineralization	ADDITIONAL OBSERVATIONS	ASSAYS: Au ppb	Ag ppm	Cu %	As ppm	Zn ppm	Cd ppm
91154	1100m	GRAB SAMPLE		GREEN Colored Volcanic	Manganese Tuff	> 1%	200 m E Line 1000/S-250N	nd	<0.1	>10.00	35	35	4.3
		GRAB Sample		"	"								
91155	1120m	GRAB Sample		"	"	> 1%	200 m SE of 91154	nd	<0.1	>10.00	223	50	8.4
		GRAB Sample											
91156	1080m	GRAB Sample		Limestone BLACK	none	—	300 m South of 91155	nd	<0.1	>10.00	409	28	5.5
91158	Northern Blufs at 1010m	Grab.		Limestone	bi-carb.	—	patchy, small, resinous black mineral. Sphalerite? or Meagher	50	<0.1	>10.00	>2000	4018	32.6
Aug. 3/90													
91159	gossan in NW Gab 5	grab		Andesite?	gossanous	1-2% py	- from large gossanous	30	0.3	0.43	113	155	5.3
91160	"	grab		"	"	"	area in NW corner	20	<0.1	0.36	<3	84	4.7
91161	"	grab		"	"	"	of Gab 5 claim below	10	<0.1	0.47	63	79	2.7
91162	"	grab		"	"	"	McLymont Fault.	10	<0.1	0.18	19	25	2.6

FAMICON
DEVELOPMENTS LIMITED

Geochemical Data Sh - ROCK SAMPLING

Sampler Mark K E
Date 02/04/90

Project Kirby
Property

NTS
Location Ref
Air Photo No

SAMPLE NO.	LOCATION	SAMPLE TYPE	Sample Width / True Width	DESCRIPTION			ADDITIONAL OBSERVATIONS	ASSAYS					
				Rock Type	Alteration	Mineralization		Au ppb	Ag ppm	Co %	As ppm	Cd ppm	Zn ppm
	Grab 5	Grab											
54401	"	"		Andesite		1% py	Possible Subcrop of Zone ?	nd	<0.1	0.84	478	18.7	70
02	"	"		Highly altered		Slight Zn	Qtz - 25-50 cm wide	nd	<0.1	0.23	<3	4.9	103
03	"	"		"		Slight Zn	75 cm wide	nd	<0.1	0.25	55	3.6	64
July 25/90													
54351	Grab 5	Grab		dark grey flat	Calcite veinlets	none ?	elev = 1045 m.	nd	<0.1	>10.00	972	7.2	141
Sept 19/90													
54352	5540N 5040E	Grab		Plag phyric Xtal tuff	limonite	V.fg. diss Pyrite <1%		30	2.0	0.25	47	0.6	71

APPENDIX IV

ANALYTICAL PROCEDURES

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
TEL (604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

November 21, 1990

TO: Mr. Steve Todoruk
PAMICON DEVELOPMENTS LTD.
711 - 675 W. Hastings St.
Vancouver, BC V6B 1N4

FROM: VANGEOCHEM LAB LIMITED
1630 Pandora Street
Vancouver, BC V5L 1L6

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 HNO3), 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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RENO, NEVADA, U.S.A.

(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. Raymond Chan and his laboratory staff.

Raymond Chan
VANGEOCHEM LAB LIMITED

VGC VANGEOCHEM LAB LIMITED

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BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

March 19, 1991

TO: Mr. Al Montgomery
PAMICON DEVELOPMENTS LTD.
711 - 675 W. Hastings St.
Vancouver, BC V6B 1N4

FROM: VANGEOCHEM LAB LIMITED
1630 Pandora Street
Vancouver, BC V5L 1L6

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 Farenhiet to form a lead "button".

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(c) The gold is extracted by cupellation and parted with diluted nitric acid.

(d) The gold beads are retained for subsequent measurement.

3. Method of Detection

(a) The gold beads are dissolved by boiling with concentrated aqua regia solution in hot water bath.

(b) The detection of gold was performed with a Techtron model AA5 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. Raymond Chan or Mr. Conway Chun and his laboratory staff.

per Raymond Chan
VANGEOCHEM LAB LIMITED

VGC VANGEOCHEM LAB LIMITED

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BRANCH OFFICES
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RENO, NEVADA, U.S.A.

November 21, 1990

TO: Mr. Steve Todoruk
PAMICON DEVELOPMENTS LTD.
711 - 675 W. Hastings St.
Vancouver, BC V6B 1N4

FROM: VANGEOCHEM LAB LIMITED
1630 Pandora Street
Vancouver, BC V5L 1L6

SUBJECT: Analytical procedure used to determine hot acid soluble for 25 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:HNO3: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 demineralized water and thoroughly mixed.

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3. Method of Analyses

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

4. Analysts

The analyses were supervised or determined by Mr. Conway Chun or Mr. Raymond Chan and his laboratory staff.

Raymond Chan
VANGEOCHEM LAB LIMITED

VGC VANGEOCHEM LAB LIMITED

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BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

February 22, 1991

TO: Mr. Steve Todoruk
PAMICON DEVELOPMENTS LTD.
711 - 675 W. Hastings Street
Vancouver, BC V6B 1N4

FROM: VANGEOCHEM LAB LIMITED
1650 Pandora Street
Vancouver, BC V5L 1L6

SUBJECT: Analytical procedure used to determine silver by fire assay method in geological samples.

1. Method of Sample Preparation

(a) Geochemical soil, silt or rock samples were eceived at the laboratory in high wet-strength, 4" x 6", Kraft paper bags. Rock samples would be received in 8" x 12" plastic 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 into 100-mesh or finer by using a disc mill. The pulverized samples were then put in the new bags for subsequent analyses.

2. Method of Digestion

(a) 20.0 - 30.0 grams of the pulp samples were used. Samples were weighed out by using a top-loading balance into a fusion pot.

(b) A flux of litharge, soda ash, silica, borax, either flour or potassium nitrite was added. The samples were thoroughly mixed and then fused at 1900 degrees Fahrenheit to form a lead button.

(c) The silver was extracted by cupellation, weighed and parted with diluted nitric acid.

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3. Method of Calculation

The silver was calculated by the weigh loss of the bead and then parts per million (ppm) was calculated.

4. Analysts

The analyses were supervised or determined by Mr. Conway Chun or Mr. Raymond Chan and the laboratory staff.

Raymond Chan
VANGEOCHEM LAB LIMITED

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BATHURST, N.B.
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February 22, 1991

TO: Mr. Steve Todoruk
PAMICON DEVELOPMENTS LTD.
711 - 675 W. Hastings Street
Vancouver, BC V6B 1N4

FROM: VANGEOCHEM LAB LIMITED
1650 Pandora Street
Vancouver, BC V5L 1L6

SUBJECT: Analytical procedure used to determine Cu, Pb and Zn assay 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 the new bags for subsequent analyses.

2. Method of Digestion

(a) 0.200 gram portions of the minus 100 mesh samples were used. Samples were weighed out by using an analytical balance.

(b) Samples were digested in multi acids in volumetric flasks.

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3. Method of Analyses

Cu, Pb and Zn concentrations were determined using a Techtron Atomic Absorption Spectrophotometer Model AA5 with their respective hollow cathode lamps. The digested samples were directly aspirated into an air and acetylene mixture flame. The results, in parts per million, were calculated by comparing them to a set of standards used to calibrate the atomic absorption units.

4. Analysts

The analyses were supervised or determined by Mr. Conway Chun or Mr. Raymond Chan and their laboratory staff.

Raymond Chan
VANGEOCHEM LAB LIMITED

APPENDIX V

ASSAY CERTIFICATES

1630 PANDORA STREET
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VGC VANGEOCHEM LAB LIMITED

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BATHURST, N.B.
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GEOCHEMICAL ANALYTICAL REPORT

CLIENT: PAMICON DEVELOPMENTS LTD.
ADDRESS: 711 - 675 W. Hastings St.
: Vancouver, BC
: V6B 1N4

DATE: AUG 13 1990
REPORT#: 900180 GA
JOB#: 900180

PROJECT#: KIRBY
SAMPLES ARRIVED: AUG 03 1990
REPORT COMPLETED: AUG 13 1990
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 900180 NA
TOTAL SAMPLES: 5
SAMPLE TYPE: 5 ROCK
REJECTS: SAVED

SAMPLES FROM: BRONSON CAMP
COPY SENT TO: PAMICON DEVELOPMENTS LTD.

RECEIVED
AUG 2 0 1990

PREPARED FOR: MR. STEVE TODORUK

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: RESULTS FAXED TO MR. DONALD PENNER & BRONSON CAMP.

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REPORT NUMBER: 900184 GA JOB NUMBER: 900184 PAMICON DEVELOPMENTS LTD.

SAMPLE #	Au ppb
54351	nd
91154	nd
91155	nd
91156	nd
91157	nd

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

VANGEOCHEM LAB LIMITED
1630 Pandora Street, Vancouver, B.C. V5L 1L6
Phn(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

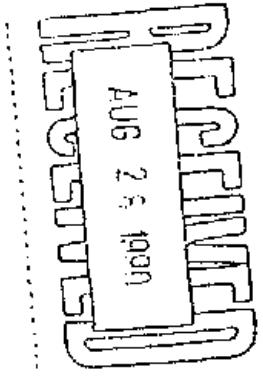
A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sb, Sr and W.

ANALYST:

REPORT #: 900180 PA | PANICON DEVELOPMENTS LTD. | PROJECT: KIRBY | DATE IN: AUG 03 1990 | DATE OUT: AUG 24 1990 | ATTENTION: MR. STEVE TODORUK | PAGE 1 OF 1

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
91151	<0.1	0.09	972	68	<3	>10.00	7.2	12	11	17	1.56	<0.01	0.22	4595	26	<0.01	18	0.02	49	<2	5	407	6	<3	141
91154	<0.1	1.01	35	645	<3	>10.00	4.3	13	14	25	1.67	0.16	0.46	1936	12	0.03	20	0.05	60	<2	9	184	<5	<3	35
91155	<0.1	1.29	223	486	93	>10.00	8.4	20	28	40	2.22	0.24	0.71	2839	16	0.05	19	0.06	95	54	12	132	<5	<3	50
91156	<0.1	0.08	409	59	<3	>10.00	5.5	6	11	26	0.47	<0.01	0.49	3991	15	0.03	22	0.02	62	<2	7	1462	<5	<3	28
91157	<0.1	0.47	363	<2	8	1.21	10.0	18	120	41	3.35	0.20	0.28	427	32	0.05	19	0.04	119	62	15	54	<5	<3	56
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.



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MISSISSAUGA, ONT
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: **PAMICON DEVELOPMENTS LTD.**
ADDRESS: 711 - 675 W. Hastings St.
: Vancouver, BC
: V6B 1N4

DATE: AUG 16 1990
REPORT#: 900212 GA
JOB#: 900212

PROJECT#: KIRBY
SAMPLES ARRIVED: AUG 10 1990
REPORT COMPLETED: AUG 16 1990
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 900212 NA
TOTAL SAMPLES: 3
SAMPLE TYPE: 3 ROCK
REJECTS: SAVED

SAMPLES FROM: BRONSON CAMP
COPY SENT TO: PAMICON DEVELOPMENTS LTD.

RECEIVED
SEP - 7 1990

PREPARED FOR: MR. STEVE TODORUK

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: RESULTS FAXED TO MR. DONALD PENNER & BRONSON CAMP.

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REPORT NUMBER: 900212 GA JOB NUMBER: 900212 **PANICON DEVELOPMENTS LTD.** PAGE 1 OF 1

SAMPLE #	Au ppb
54401	nd
54402	nd
54403	nd

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

VANGEOCHEM LAB LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

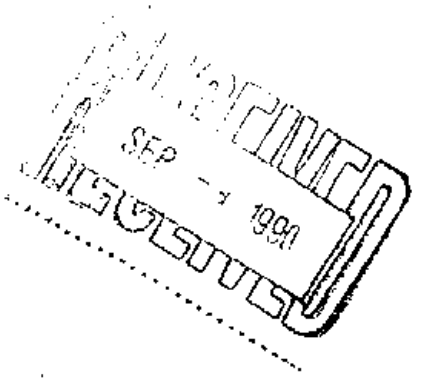
A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: _____

REPORT #: 900212 PA | PAMICON DEVELOPMENTS LTD. | PROJECT: KIRBY | DATE IN: AUG 10 1990 | DATE OUT: AUG 29 1990 | ATTENTION: MR. STEVE TODORUK | PAGE 1 OF 1

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
54401	<0.1	1.04	478	29	<3	0.84	18.7	25	>1000	38	5.23	0.10	0.46	580	>1000	<0.01	7067	0.03	100	<2	9	44	5	<3	70
54402	<0.1	2.76	<3	608	<3	0.23	4.9	8	48	15	4.62	0.15	2.07	968	32	<0.01	59	0.11	11	<2	10	23	<5	<3	103
54403	<0.1	3.60	55	270	<3	0.25	3.6	10	50	9	3.63	0.23	2.75	770	16	<0.01	6	0.11	<2	<2	9	15	<5	<3	64
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.



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GEOCHEMICAL ANALYTICAL REPORT

CLIENT: PAMICON DEVELOPMENTS LTD.
ADDRESS: 711 - 675 W. Hastings St.
: Vancouver, BC
: V6B 1N4

DATE: AUG 24 1990
REPORT#: 900257 GA
JOB#: 900257

PROJECT#: KIRBY
SAMPLES ARRIVED: AUG 17 1990
REPORT COMPLETED: AUG 24 1990
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 900257 NA
TOTAL SAMPLES: 5
SAMPLE TYPE: 5 ROCK
REJECTS: SAVED

RECEIVED
SEP 14 1990

SAMPLES FROM: BRONSON CAMP
COPY SENT TO: PAMICON DEVELOPMENTS LTD.

PREPARED FOR: MR. STEVE TODORUK

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: RESULTS FAXED TO MR. DONALD PENNER & BRONSON CAMP.

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VGC VANGEOCHEM LAB LIMITED

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BRANCH OFFICES
PASADENA, NFLD.
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MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900257 GA JOB NUMBER: 900257 **PANICON DEVELOPMENTS LTD.**

SAMPLE	Au
	ppb
91158	50
91159	30
91160	20
91161	10
91162	10

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

VANGEOCHEM LA LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 900257 PA | PAKICON DEVELOPMENTS LTD. | PROJECT: KIRBY | DATE IN: AUG 17 1990 | DATE OUT: SEPT 07 1990 | ATTENTION: MR. STEVE TODORUK | PAGE 1 OF 1

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
91158	<0.1	0.17	>2000	30	<3	>10.00	32.6	19	36	20	7.51	<0.01	0.35	3209	63	<0.01	25	0.01	369	24	18	563	<5	27	4018
91159	0.3	0.95	113	48	<3	0.43	5.3	22	89	41	4.64	1.09	0.21	354	23	<0.01	10	0.16	203	19	20	32	<5	<3	155
91160	<0.1	2.00	<3	115	<3	0.36	4.7	18	55	22	5.48	1.00	0.97	292	19	<0.01	11	0.20	91	<2	20	23	<5	<3	84
91161	<0.1	2.22	63	28	<3	0.47	2.7	20	112	21	5.43	0.79	0.64	388	20	<0.01	7	0.15	74	<2	14	73	<5	<3	79
91162	<0.1	0.33	19	10	<3	0.18	2.6	20	34	12	3.89	0.65	0.02	62	17	<0.01	<1	0.13	76	19	10	16	<5	<3	25
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VGC VANGEOCHEM LAB LIMITED

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FAX (604) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: PAMICON DEVELOPMENTS LTD.
ADDRESS: 711 - 675 W. Hastings St.
: Vancouver, BC
: V6B 1N4

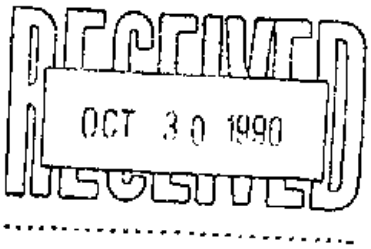
DATE: OCT 01 1990

REPORT#: 900599 GA
JOB#: 900599

PROJECT#: KIRBY
SAMPLES ARRIVED: SEPT 27 1990
REPORT COMPLETED: OCT 01 1990
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 900599 NA
TOTAL SAMPLES: 1
SAMPLE TYPE: 1 ROCK
REJECTS: SAVED

SAMPLES FROM: BRONSON CAMP
COPY SENT TO: PAMICON DEVELOPMENTS LTD.



PREPARED FOR: MR. STEVE TODORUK

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: RESULTS FAXED TO MR. DONALD PENNER & BRONSON CAMP.

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
TEL (604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900599 GR JOB NUMBER: 900599 PANICON DEVELOPMENTS LTD. PAGE 1 OF 1

SAMPLE #	Au ppb
54352	30

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

VANGEOCHEM LA. LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

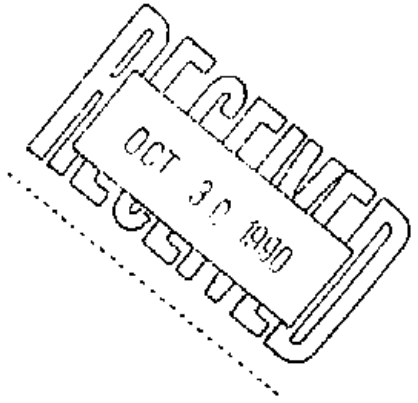
A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: Reynold Le

REPORT #: 900599 PA | PAMICON DEVELOPMENTS LTD. | PROJECT: KIRBY | DATE IN: SEPT 27 1990 | DATE OUT: OCT 29 1990 | ATTENTION: MR. STEVE TODORUK | PAGE 1 OF 1

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
54352	2.0	0.93	47	26	<3	0.25	0.6	11	61	84	3.53	0.08	0.18	354	11	0.07	15	0.07	301	28	<2	52	<5	<3	71
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

(- Less Than Minimum) - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.



VGC VANGEOCHEM LAB LIMITED

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BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: PAMICON DEVELOPMENTS LTD.
ADDRESS: 711 - 675 W. Hastings St.
: Vancouver, BC
: V6B 1N4

DATE: JULY 20 1990
REPORT#: 900109 GA
JOB#: 900109

PROJECT#: KIRBY
SAMPLES ARRIVED: JULY 17 1990
REPORT COMPLETED: JULY 20 1990
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 900109 NA
TOTAL SAMPLES: 55
SAMPLE TYPE: 55 SOIL
REJECTS: DISCARDED

SAMPLES FROM: BRONSON CREEK
COPY SENT TO: PAMICON DEVELOPMENTS LTD.

RECEIVED
JUL 24 1990

PREPARED FOR: MR. STEVE TODORUK

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: RESULTS FAXED TO MR. DONALD F. PENNER.

VGC VANGEOCHEM LAB LIMITED

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• (604) 251-5656
• FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #		Au ppb
L1050	000N	20
L1050	025N	30
L1050	050N	20
L1050	075N	10
L1050	100N	10
L1050	125N	20
L1050	150N	10
L1050	175N	nd
L1050	200N	nd
L1050	225N	nd
L1050	250N	nd
L1050	275N	nd
L1050	300N	20
L1050	325N	20
L1050	350N	20
L1100N	000N	10
L1100N	025N	10
L1100N	050N	nd
L1100N	075N	nd
L1100N	100N	nd
L1100N	125N	nd
L1100N	150N	10
L1100N	175N	20
L1100N	200N	nd
L1100N	225N	nd
L1100N	250N	nd
L1100N	275N	nd
L1100N	300N	20
L1100N	325N	30
L1100N	350N	20
L1100N	375N	10
L1100N	400N	nd
L1100N	425N	nd
L1100N	450N	20
L1100N	475N	10
L1100N	500N	nd
L1100N	525N	nd
L1100N	550N	nd
L1100N	575N	nd
DETECTION LIMIT		5

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

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BRANCH OFFICES
PASADENA, NFLD
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A

REPORT NUMBER: 900109 GA JOB NUMBER: 900109 PAMICON DEVELOPMENTS LTD.

SAMPLE #	Au ppb
L1100N 600N	nd
L1100N 625N	20
L1100N 650N	10
L1100N 675N	nd
L1100N 700N	nd
L1100N 725N	nd
L1100N 750N	nd
L1100N 775N	nd
L1100N 800N	nd
L1100N 825N	15
L1100N 850N	30
L1100N 875N	20
L1100N 900N	10
L1100N 925N	10
L1100N 950N	10
L1100N 975N	20

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

VANGEOCHEM LAB LIMITED
1988 Triumph Street, Vancouver, B.C. V5L 1K5
Ph:(604)251-5556 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSES

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95° C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sc, Sr and W.

REPORT #: 990109 PA | PARICON DEVELOPMENTS LTD. | PROJECT: KIPBY | DATE IN: JULY 17 1990 | DATE OUT: JULY 23 1990 | ATTENTION: MR. STEVE TOOPMAN | PAGE 1 OF 2

Sample Name	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
L1050 000N	.8	2.10	162	86	<3	.07	2.9	5	31	13	3.46	.01	.08	493	9	.01	8	.12	17	<2	11	9	<5	3	91
L1050 025N	.4	4.11	162	48	<2	.09	2.7	14	16	25	2.94	.01	.33	795	11	.01	9	.08	7	<2	18	7	<5	11	123
L1050 050N	.2	3.68	179	70	<2	.11	2.9	17	14	71	3.27	.02	.50	3233	9	.01	10	.07	22	<2	14	11	<5	7	161
L1050 075N	.1	2.67	287	332	<2	.24	7.1	15	12	44	3.01	.04	.52	16456	2	.06	12	.12	23	<2	13	16	<5	<3	360
L1050 100N	.1	3.97	322	198	<2	.16	3.9	17	12	52	3.09	.03	.63	7740	10	.01	12	.12	8	<2	12	16	<5	5	175
L1050 125N	.2	4.42	254	122	<3	.12	6.6	14	15	39	4.03	.02	.30	19851	11	.01	10	.13	21	<2	19	4	<5	3	238
L1050 150N	.3	5.63	112	29	<3	.03	5.7	6	14	22	3.34	.01	.12	2479	14	.02	4	.09	<2	<2	17	2	<5	<3	139
L1050 175N	.2	3.24	1062	131	<3	.07	4.1	5	14	16	4.16	.01	.08	1533	30	.01	6	.05	20	<2	17	5	11	<3	378
L1050 200N	.1	5.95	82	71	<3	.05	2.1	4	11	19	4.17	.01	.04	722	13	.01	5	.04	<2	<2	19	1	<5	<2	188
L1050 225N	.1	2.06	755	49	<2	.04	3.3	9	11	14	5.55	.01	.19	2519	52	.06	5	.07	38	<2	13	5	<5	<3	117
L1050 250N	.1	3.24	505	50	<3	.08	3.4	10	19	19	4.47	.01	.28	1794	18	.05	9	.04	74	<2	16	7	<5	<3	223
L1050 275N	.1	4.31	1881	56	<3	.06	5.3	14	15	31	4.30	.01	.21	11365	25	.14	7	.12	47	<2	14	5	<5	<3	427
L1050 300N	.2	5.00	960	129	3	.06	5.7	9	13	22	5.37	.01	1.01	17175	15	.10	11	.09	<2	<2	14	5	<5	<3	268
L1050 325N	.4	3.04	1990	293	<3	.12	17.9	5	10	16	4.15	.02	.17	17592	19	.51	8	.12	102	<2	9	6	<5	<3	2026
L1050 350N	.1	3.28	186	34	<3	.07	4.3	10	20	23	7.89	.01	.32	815	12	.07	13	.04	33	<2	17	6	<5	5	191
L1100N 000N	.1	2.26	437	34	<3	.06	2.9	8	9	22	4.18	.01	.29	311	8	.04	4	.05	20	<2	14	7	<5	<3	46
L1100N 025N	.1	2.83	364	29	<3	.04	1.5	9	10	21	2.92	.01	.19	410	10	.02	4	.05	10	<2	13	5	<5	<3	53
L1100N 050N	.4	4.33	150	163	<3	.09	25.2	20	31	50	2.57	.01	.43	>20000	7	.13	12	.08	8	<2	12	4	<5	<3	546
L1100N 075N	.2	3.30	150	55	<3	.08	2.6	7	14	15	3.73	.01	.24	931	9	.03	7	.08	15	<2	14	11	<5	<3	82
L1100N 100N	.1	5.01	92	19	<2	.02	1.2	5	15	16	3.35	.01	.11	711	13	.01	5	.05	<2	<2	16	2	<5	<2	92
L1100N 125N	.3	3.31	286	81	<2	.06	3.0	11	15	26	3.61	.01	.35	7385	12	.05	13	.07	12	<2	13	5	<5	<3	185
L1100N 150N	.2	2.81	78	34	<3	.03	1.8	6	10	10	3.49	.01	.43	1000	7	.05	6	.07	<2	<2	12	4	<5	<3	79
L1100N 175N	.1	1.57	320	44	<3	.05	2.5	9	13	12	2.68	.01	.36	3316	7	.02	6	.10	22	<2	9	4	<5	10	81
L1100N 200N	.2	2.32	1998	63	<3	.06	4.2	9	13	17	4.85	.01	.19	6073	24	.09	8	.11	62	<2	13	4	<5	<3	341
L1100N 225N	.3	2.83	161	70	<2	.06	2.1	7	15	11	2.32	.01	.26	475	10	.01	7	.10	24	<2	15	7	<5	<3	91
L1100N 250N	.1	1.03	12	35	<3	.02	.6	4	8	7	.76	.01	.08	85	4	.01	3	.03	22	<2	10	5	<5	<3	28
L1100N 275N	.2	1.77	264	35	<3	.05	2.4	7	16	12	3.96	.01	.14	166	11	.01	10	.04	50	<2	17	6	<5	<3	62
L1100N 300N	.6	3.80	272	19	<3	.04	1.6	10	18	22	3.39	.01	.11	2684	14	.02	7	.07	29	<2	18	3	<5	<3	157
L1100N 325N	.2	4.10	145	18	<3	.02	3.0	5	13	14	4.97	.01	.05	896	17	.01	7	.06	20	<2	21	1	<5	<3	140
L1100N 350N	.1	2.76	333	34	<3	.04	4.0	7	14	11	7.24	.01	.08	3204	20	.05	7	.10	43	<2	19	2	<5	<3	108
L1100N 375N	.1	4.64	237	22	<3	.04	2.8	8	17	14	6.47	.01	.15	695	23	.03	8	.06	39	<2	20	2	<5	<3	113
L1100N 400N	.1	2.48	>2000	54	<3	.02	4.4	10	11	21	5.96	.01	.15	3864	18	.10	9	.08	81	<2	13	3	<5	3	249
L1100N 425N	.1	1.30	844	167	<2	.13	2.8	5	8	8	5.46	.02	.22	5983	7	.08	8	.11	25	<2	9	27	<5	<3	167
L1100N 450N	.2	2.25	100	20	<3	.06	2.7	9	15	15	5.33	.01	.17	1531	13	.02	9	.11	36	<2	17	5	<5	<3	72
L1100N 475N	.3	4.24	104	34	<3	.05	3.0	6	13	14	4.31	.01	.11	580	13	.01	6	.06	15	<2	19	3	<5	<3	116
L1100N 500N	.1	3.62	399	41	<3	.07	3.1	7	13	17	5.34	.01	.16	1254	14	.04	7	.10	17	<2	15	6	<5	<3	77
L1100N 525N	.5	3.94	298	47	<3	.07	3.3	18	17	19	4.96	.01	.15	6393	23	.02	10	.11	36	<2	19	4	<5	<3	244
L1100N 550N	.2	1.97	332	247	<3	.30	3.2	17	14	19	3.23	.06	.50	8407	10	.08	8	.14	29	<2	9	15	<5	<3	268
L1100N 575N	.4	3.07	729	192	<3	.16	3.5	25	12	20	4.87	.03	.23	14832	28	.13	5	.30	59	<2	13	6	<5	<3	494
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less Than Minimum > = Greater Than Maximum is = Insufficient Sample ns = No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested

VANGEOCHEM LAB LIMITED
1988 Triumph Street, Vancouver, . V5L 1K5
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSES

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95° C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sb, Sr and W.

ANALYST:

REPORT #: 900109 PA | PANICON DEVELOPMENTS LTD. | PROJECT: KIRBY | DATE IN: JULY 17 1990 | DATE OUT: JULY 25 1990 | ATTENTION: MR. STEVE [illegible] | PAGE 2 OF 2

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L1100N 600N	<0.1	3.07	583	213	<3	.17	3.4	16	17	17	4.11	.02	.63	3212	19	.04	12	.20	60	18	11	13	<5	10	249
L1100N 625N	<0.1	2.91	265	147	<3	.07	2.2	13	13	19	3.40	.01	.51	2389	11	.02	7	.15	44	7	10	8	<5	<3	156
L1100N 650N	<0.1	1.93	83	215	<3	.22	2.0	14	11	14	3.02	.03	.41	3390	8	.02	9	.17	42	2	8	15	<5	<3	133
L1100N 675N	.3	2.48	461	144	<3	.09	2.7	23	14	32	4.59	.01	.35	5492	22	.04	10	.91	75	6	10	10	<5	<3	229
L1100N 700N	.2	2.68	193	157	<3	.14	2.8	16	21	19	5.01	.01	.31	3406	15	.02	12	.15	66	16	14	27	<5	<3	123
L1100N 725N	.3	1.60	39	65	<3	.04	1.4	7	13	14	2.78	.01	.14	462	10	.01	6	.05	25	<2	10	9	<5	<3	65
L1100N 750N	.2	2.44	27	3	4	.05	3.2	7	18	20	8.56	.01	.24	275	14	.03	10	.07	28	28	15	8	<5	10	63
L1100N 775N	.1	4.15	98	101	<3	.25	1.6	17	18	26	3.65	.04	.38	1238	13	.01	9	.14	48	13	12	14	<5	<3	98
L1100N 800N	.1	2.63	49	47	<3	.02	1.5	2	13	11	3.20	.01	.12	117	9	.01	5	.05	45	<2	10	4	<5	<3	38
L1100N 825N	.1	5.85	450	268	<3	.22	1.7	15	27	17	4.54	.11	.24	1984	15	.01	11	.20	84	25	19	26	<5	7	198
L1100N 850N	.3	2.37	57	30	<3	.06	1.2	8	16	24	3.82	.01	.03	179	12	.01	8	.05	72	57	20	5	<5	<3	58
L1100N 875N	<0.1	1.84	23	25	<3	.05	.7	5	10	11	1.93	.01	.10	95	8	.01	5	.02	28	<2	7	6	<5	<3	38
L1100N 900N	.1	2.89	46	49	<3	.02	1.5	4	14	14	2.70	.01	.21	78	9	.01	7	.02	38	3	11	21	<5	<3	37
L1100N 925N	.3	3.18	58	34	4	.07	1.8	5	21	18	5.76	.01	.30	208	16	.03	11	.08	47	15	17	19	<5	<3	51
L1100N 950N	.9	3.18	60	42	<3	.05	.8	5	10	15	2.53	.01	.17	319	8	.01	5	.07	30	<2	10	9	<5	<3	66
L1100N 975N	.1	3.25	143	48	13	.05	1.4	4	16	19	4.78	.01	.25	174	9	.03	7	.04	39	4	10	5	<5	<3	55
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

(- Less Than Minimum) - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses by Alternate Methods Suggested

VGC VANGEOCHEM LAB LIMITED

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VANCOUVER, B.C. V5L 1K5
(604) 251-5656
FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

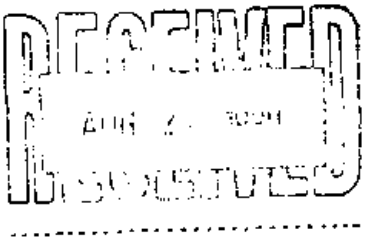
CLIENT: PAMICON DEVELOPMENTS LTD.
ADDRESS: 711 - 675 W. Hastings St.
: Vancouver, BC
: V6B 1N4

DATE: AUG 13 1990
REPORT#: 900159 GA
JOB#: 900159

PROJECT#: KIRBY
SAMPLES ARRIVED: JULY 30 1990
REPORT COMPLETED: AUG 13 1990
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 900159 NA
TOTAL SAMPLES: 147
SAMPLE TYPE: 147 SOIL
REJECTS: DISCARDED

SAMPLES FROM: BRONSON CAMP
COPY SENT TO: PAMICON DEVELOPMENTS LTD.



PREPARED FOR: MR. STEVE TODORUK

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: RESULTS FAXED TO MR. DONALD PENNER & BRONSON CAMP.

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
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BRANCH OFFICES
PASADENA, NFLD.
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MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900159 GA JOB NUMBER: 900159 **PANICON DEVELOPMENTS LTD.** PAGE 1 OF 4

SAMPLE #	Au ppb
L1100 000N	nd
L1100 025N	nd
L1100 050N	20
L1100 075N	20
L1100 100N	nd
L1100 125N	nd
L1100 150N	nd
L1100 175N	nd
L1100 200N	nd
L1100 225N	nd
L1100 250N	nd
L1100 275N	nd
L1100 300N	nd
L1100 325N	nd
L1100 350N	nd
L1100 375N	nd
L1100 400N	nd
L1100 425N	nd
L1100 450N	nd
L1100 475N	nd
L1100 500N	nd
L1100 525N	nd
L1100 550N	nd
L1100 575N	nd
L1100 600N	20
L1100 625N	20
L1100 650N	nd
L1100 675N	nd
L1100 700N	nd
L1100 725N	20
L1100 750N	nd
L1100 775N	nd
L1100 775NA	nd
L1100 800N	nd
L1100 825N	nd
L1100 850N	20
L1100 875N	nd
L1100 900N	nd
L1100 925N	40
DETECTION LIMIT	5

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

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1988 TRIUMPH ST.
VANCOUVER, B.C. V5L 1K5
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Au ppb
L1100 950N	20
L1100 975N	40
L1100 1000N	nd
L1100 1025N	nd
L1100 1050N	nd
L1100 1075N	nd
L1100 1100N	nd
L1100 1125N	nd
L1100 1150N	nd
L1100 1175N	40
L1100 1200N	nd
L1100 1225N	nd
L1120 000N	nd
L1120 025N	nd
L1120 050N	nd
L1120 075N	nd
L1120 100N	nd
L1120 125N	nd
L1120 150N	nd
L1120 175N	nd
L1120 200N	nd
L1120 225N	nd
L1120 250N	20
L1120 275N	20
L1120 300N	nd
L1120 325N	nd
L1120 350N	nd
L1120 375N	nd
L1120 400N	nd
L1120 425N	nd
L1120 450N	nd
L1120 475N	nd
L1120 500N	nd
L1120 525N	nd
L1120 550N	nd
L1120 575N	nd
L1120 600N	nd
L1120 625N	nd
L1120 650N	nd
DETECTION LIMIT	5

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

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SAMPLE #	Au ppb
L1120 675N	nd
L1120 700N	40
L1120 725N	40
L1120 750N	40
L1120 800N	20
L1120 825N	20
L1120 850N	nd
L1120 875N	nd
L1120 900N	nd
L1120 925N	nd
L1120 950N	nd
L1120 975N	nd
L1120 1000N	nd
L1120 1025N	nd
L1120 1050N	40
L1120 1075N	20
L1120 1100N	20
L1120 1125N	nd
L1120 1150N	nd
L1120 1175N	nd
L1120 1200N	nd
L1120 1225N	20
L1120 1250N	nd
L1120 1275N	nd
L1230 000N	nd
L1230 025N	nd
L1230 050N	nd
L1230 075N	nd
L1230 100N	20
L1230 125N	nd
L1230 150N	nd
L1230 175N	nd
L1230 200N	nd
L1230 225N	nd
L1230 250N	nd
L1230 275N	nd
L1230 300N	nd
L1230 325N	nd
L1230 350N	nd
DETECTION LIMIT	5

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

VGC VANGEOCHEM LAB LIMITED

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BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900159 GA JOB NUMBER: 900159 **PAMICON DEVELOPMENTS LTD.**

SAMPLE #	Au ppb
L1230 375N	nd
L1230 400N	nd
L1230 425N	nd
L1230 450N	nd
L1230 475N	20
L1230 500N	40
L1230 525N	nd
L1230 550N	nd
L1230 575N	nd
L1230 600N	nd
L1230 625N	nd
L1230 650N	nd
L1230 675N	20
L1230 700N	nd
L1230 725N	nd
L1230 750N	nd
L1230 775N	nd
L1230 800N	nd
L1230 825N	nd
L1230 850N	nd
L1230 875N	nd
L1230 900N	nd
L1230 925N	nd
L1230 950N	nd
L1230 1000N	nd
L1230 1025N	nd
L1230 1050N	nd
L1230 1075N	nd
L1230 1100N	nd
L1230 1125N	nd

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

VANGEOCHEM LAB LIMITED
1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water. This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sb, Sr and W.

ANALYST:

REPORT #: 900159 PA | PAMICON DEVELOPMENTS LTD. | PROJECT: KIRBY | DATE IN: JULY 30 1990 | DATE OUT: AUG 21 1990 | ATTENTION: MR. STEVE TODORUK |

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L1100 000N	0.2	3.68	88	90	<3	0.12	7.4	10	14	36	5.59	0.10	0.28	5929	14	0.06	17	0.15	75	67	13	7	7	113	263
L1100 025N	0.3	3.17	<3	53	<3	0.10	3.8	9	13	33	5.22	0.03	0.32	810	8	0.04	12	0.11	48	33	12	12	<5	97	83
L1100 050N	0.5	2.65	<3	21	<3	0.05	3.1	6	13	42	4.06	0.04	0.09	301	11	0.02	5	0.10	54	27	18	6	7	89	72
L1100 075N	0.2	7.29	<3	55	<3	0.06	3.2	6	2	36	5.48	0.03	0.10	2673	9	0.05	4	0.11	64	87	15	3	6	247	180
L1100 100N	0.4	7.86	<3	13	<3	0.04	3.9	2	3	26	5.85	<0.01	0.07	670	7	0.05	7	0.11	71	99	9	2	<5	265	118
L1100 125N	0.1	5.01	<3	34	<3	0.08	5.2	7	9	46	5.12	0.02	0.20	461	10	0.03	8	0.13	67	72	13	6	<5	162	134
L1100 150N	0.1	6.02	<3	50	<3	0.06	4.8	8	4	33	5.79	0.06	0.15	1627	10	0.05	9	0.08	75	93	11	3	<5	198	227
L1100 175N	0.1	4.01	178	55	<3	0.09	8.2	17	13	52	5.10	0.09	0.47	4205	11	0.04	18	0.16	72	77	9	10	7	128	174
L1100 200N	0.3	4.11	56	31	<3	0.05	5.9	10	11	35	4.48	0.10	0.17	675	13	0.02	9	0.12	71	80	9	6	<5	131	111
L1100 225N	<0.1	2.60	60	24	<3	0.03	4.6	8	12	36	4.25	0.05	0.14	415	13	0.01	6	0.06	61	45	14	4	8	79	60
L1100 250N	<0.1	3.14	483	119	<3	0.09	9.4	19	7	44	4.65	0.03	0.63	10298	13	0.08	8	0.10	63	22	9	10	16	97	308
L1100 275N	0.2	4.24	<3	24	<3	0.05	7.2	8	11	33	7.07	0.03	0.10	925	11	0.04	6	0.08	60	68	15	6	6	137	86
L1100 300N	<0.1	6.09	<3	11	9	0.03	3.7	3	4	34	5.38	<0.01	0.05	703	9	0.03	4	0.07	62	78	13	1	<5	204	60
L1100 325N	0.2	6.14	<3	15	<3	0.02	2.7	1	5	23	5.92	<0.01	0.06	474	8	0.04	2	0.13	56	66	13	2	<5	206	71
L1100 350N	<0.1	4.54	61	36	<3	0.08	3.8	9	9	42	4.93	<0.01	0.36	1698	7	0.06	6	0.12	49	30	10	9	6	147	168
L1100 375N	0.2	3.26	<3	12	<3	0.04	4.8	5	11	39	7.75	0.02	0.09	461	16	0.05	6	0.11	68	61	14	3	5	101	83
L1100 400N	0.5	5.22	<3	28	<3	0.04	4.6	6	9	27	5.26	0.04	0.15	502	8	0.03	6	0.11	58	75	6	5	<5	171	87
L1100 425N	0.1	4.30	365	89	<3	0.08	7.6	15	11	43	4.78	0.08	0.90	6765	20	0.06	14	0.10	64	66	7	10	<5	131	250
L1100 450N	<0.1	4.32	384	336	<3	0.64	11.7	18	10	41	5.05	0.11	0.70	>20000	20	0.06	13	0.14	66	73	9	44	5	138	284
L1100 475N	<0.1	3.88	264	35	<3	0.07	7.3	14	11	48	5.49	0.05	0.39	6024	18	0.05	9	0.11	65	62	12	7	6	120	155
L1100 500N	<0.1	3.43	142	27	<3	0.09	4.4	8	17	39	2.97	<0.01	0.36	1273	11	0.03	17	0.09	51	29	12	8	5	112	129
L1100 525N	<0.1	6.14	>2000	55	<3	0.05	17.1	7	13	48	5.60	0.06	0.17	3407	11	0.09	7	0.17	69	84	15	3	6	204	478
L1100 550N	<0.1	6.84	<3	20	<3	0.02	4.7	3	5	33	5.79	0.02	0.07	625	11	0.03	5	0.09	75	102	11	<1	9	229	101
L1100 575N	<0.1	5.85	198	23	<3	0.05	6.6	8	9	46	5.93	0.09	0.13	1540	21	0.03	4	0.08	79	98	12	3	12	190	132
L1100 600N	<0.1	2.55	182	30	<3	0.02	9.2	7	15	44	9.45	0.09	0.10	1305	21	0.05	8	0.10	84	79	14	4	<5	75	91
L1100 625N	<0.1	7.78	75	30	<3	0.04	5.7	9	7	46	6.44	0.13	0.15	2648	15	0.03	7	0.11	96	159	9	3	7	258	153
L1100 650N	<0.1	3.07	<3	14	<3	0.04	6.8	9	15	51	7.14	0.14	0.13	713	19	0.02	10	0.09	90	98	17	2	8	88	111
L1100 675N	<0.1	3.59	96	36	<3	0.04	4.2	12	9	37	4.02	0.14	0.42	896	11	0.02	10	0.09	72	62	10	6	<5	114	144
L1100 700N	<0.1	1.58	5	29	<3	0.02	2.6	4	5	22	1.53	0.07	0.12	91	4	<0.01	2	0.09	48	<2	9	7	<5	47	42
L1100 725N	<0.1	4.13	35	82	<3	0.07	2.6	5	5	18	3.12	0.04	0.19	697	5	0.02	5	0.11	45	35	6	5	7	137	97
L1100 750N	<0.1	2.35	<3	96	<3	0.03	2.1	5	9	27	2.98	0.04	0.18	1080	10	0.02	5	0.11	30	<2	9	4	<5	73	51
L1100 775N	<0.1	3.78	95	93	<3	0.11	3.6	10	9	28	3.78	0.06	0.45	1880	11	0.04	6	0.13	51	28	6	12	8	119	157
L1100 800N	<0.1	5.02	<3	65	<3	0.07	3.5	5	7	31	3.99	0.11	0.11	244	12	<0.01	6	0.10	65	74	9	5	11	161	80
L1100 825N	<0.1	3.17	30	39	<3	0.06	3.6	8	11	46	3.74	0.14	0.18	296	25	<0.01	2	0.11	66	47	11	7	10	96	101
L1100 850N	<0.1	3.33	686	41	<3	0.01	11.4	12	11	45	6.25	0.16	0.13	8174	29	0.02	6	0.08	70	84	9	2	6	97	80
L1100 875N	<0.1	3.25	860	37	<3	0.02	12.1	13	17	59	6.74	0.16	0.20	2339	24	0.06	7	0.08	85	84	13	4	10	98	312
L1100 900N	<0.1	3.62	303	73	<3	0.04	7.5	10	6	42	4.41	0.13	0.30	8291	19	0.07	7	0.08	85	55	11	5	10	115	383
L1100 925N	<0.1	4.07	378	64	<3	0.03	5.9	9	8	38	3.32	0.11	0.37	6617	7	0.07	7	0.08	77	49	7	5	9	130	355
L1100 950N	<0.1	1.99	135	40	<3	<0.01	1.5	3	5	18	3.04	0.07	0.20	389	5	<0.01	3	0.05	42	8	8	2	10	59	58
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

* - Less Than Minimum \ - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested

VANGEOCHEM LAB LTD.
1630 Pandora Street, Vancouver, B.C. V5L 1L6
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ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 900159 PA | PAMICON DEVELOPMENTS LTD. | PROJECT: KIRBY | DATE IN: JULY 30 1990 | DATE OUT: AUG 21 1990 | ATTENTION: MR. STEVE TODORUK |

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L1100 975N	<0.1	2.71	451	55	<3	0.05	9.3	7	8	170	4.31	0.06	0.26	745	15	0.02	15	0.08	67	35	8	6	<5	67	52
L1100 1000N	<0.1	2.65	1272	76	<3	0.04	15.7	9	11	35	5.84	0.05	0.18	7264	79	0.08	9	0.12	78	27	7	5	<5	66	403
L1100 1025N	<0.1	2.57	1134	51	<3	0.03	13.7	7	7	21	3.96	0.07	0.10	7284	65	0.06	9	0.09	73	34	4	4	<5	64	371
L1100 1050N	<0.1	6.29	23	30	<3	0.06	6.4	6	8	35	5.42	0.12	0.12	1361	19	0.02	8	0.13	93	123	8	4	<5	166	163
L1100 1075N	0.3	3.34	1449	210	<3	0.06	24.8	16	10	42	5.35	0.11	0.21	>20000	48	0.14	14	0.14	364	75	6	5	<5	83	885
L1100 1100N	<0.1	3.72	820	166	<3	0.08	14.8	17	18	46	6.91	0.15	0.24	17648	21	0.07	20	0.13	91	88	9	8	<5	95	345
L1100 1125N	<0.1	2.34	>2000	459	<3	1.48	39.5	20	11	50	7.87	0.17	0.32	>20000	102	0.28	23	0.27	204	89	8	47	<5	54	1637
L1100 1150N	<0.1	4.02	454	112	23	0.23	10.6	10	11	33	4.79	0.10	0.29	4499	16	0.04	17	0.35	70	65	8	16	<5	107	186
L1100 1175N	0.3	3.83	<3	52	<3	0.08	5.4	6	11	27	4.18	0.06	0.32	644	9	0.03	13	0.09	46	33	9	9	<5	103	113
L1100 1200N	0.2	1.39	31	107	<3	0.11	4.6	4	9	15	2.09	0.06	0.20	1198	8	0.01	15	0.07	20	<2	10	12	<5	36	67
L1100 1225N	0.8	2.48	<3	135	<3	0.14	4.3	3	10	20	3.67	0.03	0.24	606	9	0.03	15	0.08	29	<2	9	15	<5	65	80
L1100 1250N	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
L1120 000N	0.2	2.48	7	57	<3	0.16	5.7	8	14	29	3.87	0.07	0.31	811	10	0.03	19	0.08	47	13	8	15	<5	62	104
L1120 025N	0.3	7.68	<3	29	<3	0.07	4.4	<1	6	20	4.43	0.12	0.08	392	9	0.01	16	0.13	87	121	5	5	<5	212	125
L1120 050N	0.4	3.09	<3	29	<3	0.07	7.4	5	15	26	5.04	0.14	0.18	843	14	0.02	23	0.11	52	50	9	8	<5	80	92
L1120 075N	0.2	4.32	35	30	<3	0.09	6.3	6	12	34	4.33	0.15	0.23	1287	13	0.02	20	0.12	73	70	6	8	<5	112	188
L1120 100N	0.5	2.62	110	50	<3	0.09	6.9	8	15	28	4.94	0.17	0.44	1196	13	0.02	23	0.16	57	41	9	10	<5	65	98
L1120 125N	0.1	5.03	<3	13	<3	0.07	6.0	<1	10	21	4.98	0.14	0.08	331	13	<0.01	21	0.09	68	76	10	5	<5	133	81
L1120 150N	<0.1	2.15	3	31	<3	0.08	4.3	3	12	25	2.03	0.12	0.14	555	7	<0.01	21	0.09	41	<2	12	8	<5	60	81
L1120 175N	<0.1	1.17	38	40	4	0.11	4.1	<1	9	1	1.82	0.09	0.15	149	6	0.01	19	0.04	15	<2	9	10	<5	30	69
L1120 200N	<0.1	2.13	34	45	<3	0.13	5.6	2	20	17	5.25	0.07	0.33	542	10	0.03	41	0.08	36	8	8	13	<5	52	76
L1120 225N	<0.1	4.39	24	36	<3	0.10	4.5	3	11	19	2.99	0.11	0.26	1253	7	0.02	22	0.10	51	37	7	10	<5	116	123
L1120 250N	<0.1	4.11	76	41	<3	0.10	6.4	5	19	31	4.51	0.12	0.41	370	12	0.03	28	0.10	67	56	8	11	<5	107	163
L1120 275N	0.3	4.30	<3	31	<3	0.12	4.9	3	12	20	4.12	0.16	0.19	824	12	0.01	27	0.09	73	74	8	10	<5	114	129
L1120 300N	0.2	6.80	<3	18	<3	0.10	6.3	2	10	25	6.23	0.19	0.15	509	14	0.02	26	0.14	93	127	13	7	<5	183	151
L1120 325N	0.3	3.24	<3	18	<3	0.09	6.5	1	17	26	5.21	0.13	0.10	827	13	<0.01	25	0.09	66	59	14	7	<5	81	111
L1120 350N	0.3	3.68	13	97	<3	0.12	6.6	<1	9	19	4.70	0.11	0.21	1214	12	0.02	30	0.07	47	49	12	9	<5	96	207
L1120 375N	0.3	4.32	5	40	<3	0.11	5.4	<1	10	19	4.45	0.10	0.27	1380	12	0.03	31	0.13	53	59	13	9	<5	116	153
L1120 400N	0.2	3.71	460	91	<3	0.11	11.3	7	10	27	4.75	0.11	0.54	7807	16	0.07	34	0.07	51	35	11	12	<5	99	400
L1120 425N	0.3	5.85	179	56	<3	0.14	9.1	2	11	25	5.64	0.12	0.30	3375	14	0.06	34	0.16	77	87	13	12	<5	160	380
L1120 450N	0.2	1.71	>2000	161	<3	0.21	29.5	5	11	21	5.96	0.12	0.33	8128	35	0.15	35	0.11	77	47	7	15	<5	39	879
L1120 475N	0.1	3.13	1362	124	15	0.14	18.8	5	15	21	5.74	0.15	0.73	6526	25	0.12	39	0.14	96	69	7	13	<5	76	733
L1120 500N	0.2	6.21	10	24	<3	0.10	6.6	<1	11	13	5.12	0.18	0.11	1291	16	<0.01	35	0.08	94	129	9	6	<5	164	156
L1120 525N	0.3	4.61	705	149	<3	0.26	15.0	2	10	15	5.66	0.20	0.49	10611	16	0.04	37	0.10	76	89	11	19	<5	118	353
L1120 550N	0.2	5.53	935	241	<3	0.18	16.8	1	10	12	6.16	0.13	0.40	>20000	17	0.09	40	0.16	74	98	10	13	<5	146	603
L1120 575N	0.2	3.75	355	140	<3	0.18	11.2	4	15	10	5.04	0.11	0.29	18701	14	0.09	37	0.14	44	47	10	14	<5	101	533
L1120 600N	0.4	4.89	179	45	<3	0.11	8.3	<1	9	12	4.87	0.11	0.23	3180	15	0.03	37	0.10	65	67	13	9	<5	130	217
L1120 625N	1.5	3.29	33	61	<3	0.13	6.0	<1	16	4	2.82	0.09	0.33	387	9	0.02	40	0.08	41	30	7	14	<5	86	89
L1120 650N	0.5	3.42	73	51	<3	0.16	6.1	2	16	23	4.50	0.13	0.38	2468	12	0.02	40	0.12	60	56	8	15	<5	89	149
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

VANGEOCHEM LAB LIMITED
1630 Pandora Street, Vancouver, .. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 900159 PA | PANICON DEVELOPMENTS LTD. | PROJECT: KIRBY | DATE IN: JULY 30 1990 | DATE OUT: AUG 21 1990 | ATTENTION: MR. STEVE TODORUK |

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L1120 675N	<0.1	6.44	51	33	<3	0.13	19.0	17	>1000	59	5.80	0.15	0.20	1300	>1000	0.04	9888	0.13	108	160	15	10	<5	304	211
L1120 700N	0.3	3.15	15	15	<3	0.06	5.5	8	30	44	3.74	0.12	0.11	206	48	<0.01	40	0.12	80	62	15	6	<5	140	85
L1120 725N	0.4	4.22	144	48	<3	0.11	2.8	8	<1	42	4.17	0.08	0.35	674	<1	0.03	<1	0.13	55	38	11	11	<5	200	165
L1120 750N	0.2	3.03	100	36	<3	0.06	1.9	4	<1	26	3.72	0.03	0.53	622	<1	0.03	<1	0.18	36	3	13	7	<5	136	89
L1120 775N	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
L1120 800N	<0.1	2.33	162	26	<3	0.06	0.7	5	<1	26	4.19	<0.01	0.27	2267	<1	0.04	<1	0.13	25	<2	14	9	<5	104	92
L1120 825N	0.5	4.97	28	18	<3	0.04	0.8	2	<1	27	5.90	<0.01	0.14	772	<1	0.05	<1	0.10	45	33	15	3	<5	247	144
L1120 850N	<0.1	2.87	17	53	<3	0.17	0.4	8	<1	39	4.13	<0.01	0.42	1748	<1	0.06	<1	0.07	9	<2	11	16	<5	138	166
L1120 875N	0.2	4.79	12	28	<3	0.07	<0.1	4	<1	39	4.55	<0.01	0.18	1041	<1	0.04	<1	0.12	38	18	14	6	<5	247	136
L1120 900N	1.2	3.03	>2000	893	<3	0.73	60.6	13	<1	47	6.96	<0.01	0.29	>20000	<1	0.70	<1	0.18	199	9	9	36	<5	151	3723
L1120 925N	0.3	3.47	30	47	<3	0.05	2.1	5	<1	35	5.22	0.04	0.08	1004	<1	0.04	<1	0.08	66	39	12	5	<5	163	159
L1120 950N	0.2	1.97	14	31	<3	0.07	1.0	5	<1	21	2.42	0.04	0.23	299	<1	<0.01	<1	0.17	38	<2	4	7	<5	82	56
L1120 975N	0.3	2.14	24	64	<3	0.09	1.4	8	<1	36	2.31	0.09	0.26	339	<1	<0.01	<1	0.08	56	13	10	14	<5	95	85
L1120 1000N	0.2	>10.00	366	105	<3	0.12	5.8	10	<1	74	6.93	0.11	0.38	1072	<1	0.09	<1	0.22	103	138	15	12	<5	513	515
L1120 1025N	0.4	6.50	109	18	<3	0.05	1.1	3	<1	34	4.45	0.05	0.08	238	5	0.02	<1	0.12	53	54	13	4	<5	325	114
L1120 1050N	0.2	2.97	1204	58	<3	0.03	17.4	12	<1	19	6.17	<0.01	0.20	9524	15	0.15	<1	0.08	327	<2	10	3	<5	137	625
L1120 1075N	<0.1	2.36	36	122	<3	0.16	1.9	12	<1	41	3.71	<0.01	0.56	2021	<1	0.04	<1	0.07	30	<2	8	17	<5	104	124
L1120 1100N	<0.1	2.04	>2000	81	<3	0.02	25.9	5	<1	30	5.40	<0.01	0.14	8315	93	0.07	<1	0.14	58	21	6	3	<5	86	262
L1120 1125N	0.2	5.08	949	552	<3	0.10	26.4	14	<1	49	7.17	0.02	0.29	>20000	<1	0.38	<1	0.18	212	50	9	11	<5	247	1981
L1120 1150N	0.3	6.10	306	38	<3	0.03	4.8	6	<1	36	4.50	0.06	0.13	1793	<1	0.04	<1	0.09	91	83	8	3	<5	294	200
L1120 1175N	0.4	3.51	127	53	<3	0.10	1.0	11	<1	41	3.70	0.06	0.31	2208	<1	0.03	<1	0.22	61	37	10	8	<5	164	147
L1120 1200N	0.2	4.38	53	26	<3	0.03	2.6	6	<1	32	5.20	0.03	0.20	796	<1	0.04	<1	0.11	50	41	12	4	<5	208	104
L1120 1225N	<0.1	2.62	27	58	<3	0.03	<0.1	6	<1	36	3.26	<0.01	0.31	847	<1	0.04	<1	0.07	27	<2	15	8	<5	132	113
L1120 1250N	0.3	2.04	36	63	<3	0.05	<0.1	3	<1	26	2.18	<0.01	0.21	583	<1	0.02	<1	0.13	32	<2	13	7	<5	98	63
L1120 1275N	<0.1	1.96	26	44	<3	0.04	0.2	7	<1	35	4.47	<0.01	0.35	921	<1	0.04	<1	0.04	28	<2	14	8	<5	81	90
L1230 000N	0.6	5.72	23	13	<3	0.02	0.4	2	<1	30	5.54	0.02	0.07	303	<1	0.03	<1	0.08	63	58	9	1	<5	278	74
L1230 025N	0.2	7.84	30	20	<3	0.04	0.3	5	<1	36	6.85	0.05	0.10	1436	<1	0.04	<1	0.10	82	92	10	2	<5	383	158
L1230 050N	0.5	6.57	34	17	<3	0.04	0.8	6	<1	39	6.01	0.07	0.11	662	<1	0.02	<1	0.08	84	88	12	2	<5	316	124
L1230 075N	0.4	5.31	44	11	<3	0.03	1.3	5	<1	34	6.80	0.05	0.09	1118	<1	0.04	<1	0.07	68	72	16	1	<5	256	123
L1230 100N	0.2	5.24	290	30	<3	0.05	2.7	7	<1	26	4.74	0.02	0.23	1321	<1	0.04	<1	0.09	43	30	10	5	<5	252	127
L1230 125N	1.2	5.19	30	42	<3	0.06	<0.1	5	<1	43	3.57	<0.01	0.21	196	<1	0.02	<1	0.07	45	27	13	9	<5	257	68
L1230 150N	0.2	3.95	<3	41	<3	0.09	<0.1	5	<1	29	3.25	<0.01	0.35	331	<1	0.03	<1	0.11	35	<2	12	13	<5	193	87
L1230 175N	0.1	7.28	17	40	<3	0.07	<0.1	3	<1	25	5.54	<0.01	0.10	731	<1	0.03	<1	0.09	61	59	11	2	<5	362	125
L1230 200N	0.4	4.01	38	19	<3	0.04	<0.1	5	<1	40	6.80	0.04	0.12	267	<1	0.03	<1	0.04	61	53	16	5	<5	191	70
L1230 225N	0.1	4.10	35	36	<3	0.04	<0.1	9	<1	46	5.84	0.04	0.13	602	<1	0.03	<1	0.07	57	49	13	7	<5	195	64
L1230 250N	0.2	3.36	72	35	<3	0.03	3.5	6	<1	42	>10.00	0.04	0.17	160	<1	0.06	<1	0.07	57	69	16	5	<5	144	53
L1230 275N	0.4	3.55	58	11	<3	0.01	2.9	5	<1	38	9.73	0.02	0.13	519	<1	0.06	<1	0.05	62	65	18	1	<5	153	91
L1230 300N	0.1	4.43	48	29	<3	0.02	<0.1	5	<1	19	4.32	0.01	0.12	1209	<1	0.03	<1	0.07	48	24	10	2	<5	217	90
L1230 325N	0.2	6.96	7	13	<3	0.02	<0.1	<1	<1	15	4.64	<0.01	0.05	214	<1	0.03	<1	0.05	49	47	11	<1	<5	349	60
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less Than Minimum | > = Greater Than Maximum | ic = Insufficient Sample | ns = No Sample | ANOMALOUS RESULTS = Further Analyses By Alternate Methods Suggested

VANGEOCHEM LAB LIMITED

1650 Pandora Street, Vancouver, V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 900159 PA | PAMICON DEVELOPMENTS LTD. | PROJECT: KIRBY | DATE IN: JULY 30 1990 | DATE OUT: AUG 21 1990 | ATTENTION: MR. STEVE TODORUK | PAGE 4 OF 4

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L1230 350N	0.2	2.68	<3	14	<3	0.04	5.9	5	11	34	6.35	0.01	0.10	188	11	0.02	6	0.07	54	49	14	4	<5	84	55
L1230 375N	0.2	3.99	<3	35	<3	0.04	0.4	2	7	19	3.38	<0.01	0.09	146	5	0.01	<1	0.09	51	33	8	4	<5	138	63
L1230 400N	0.2	5.34	79	22	<3	0.03	6.1	3	9	34	6.15	0.05	0.08	726	10	0.02	7	0.09	62	68	9	3	<5	178	88
L1230 425N	0.5	3.11	4	27	<3	0.07	1.1	4	8	24	2.27	0.07	0.17	178	6	<0.01	9	0.13	40	12	3	7	<5	102	73
L1230 450N	0.2	2.53	16	61	<3	0.11	1.6	9	11	24	2.41	0.14	0.39	531	7	<0.01	14	0.13	43	13	4	17	<5	80	83
L1230 475N	<0.1	3.07	40	82	<3	0.08	1.3	8	7	19	2.23	0.17	0.49	453	6	<0.01	12	0.10	39	30	2	10	<5	95	72
L1230 500N	0.2	3.76	1494	196	<3	0.11	25.7	12	10	35	5.77	0.12	0.35	14206	23	0.08	12	0.13	86	51	5	10	<5	123	618
L1230 525N	0.3	4.30	983	176	<3	0.15	17.4	10	6	30	4.74	0.13	0.30	5438	26	0.03	19	0.11	77	51	6	11	<5	142	323
L1230 550N	<0.1	4.01	<3	221	<3	0.10	3.5	12	8	21	4.51	<0.01	0.70	2217	6	0.03	14	0.13	51	39	6	12	7	134	98
L1230 575N	<0.1	1.33	7	94	<3	0.11	0.5	6	10	42	1.61	<0.01	0.13	254	3	<0.01	11	0.10	32	<2	9	13	<5	41	45
L1230 600N	<0.1	3.38	18	122	<3	0.12	<0.1	6	8	24	3.13	<0.01	0.33	1132	3	0.02	11	0.11	32	<2	6	17	<5	115	85
L1230 625N	<0.1	3.87	65	171	<3	0.54	3.7	15	13	31	4.45	0.09	0.36	4223	6	0.03	21	0.20	47	34	4	22	<5	127	137
L1230 650N	0.5	5.64	<3	20	<3	0.08	2.7	7	10	47	4.73	0.12	0.09	245	16	0.01	16	0.09	94	101	9	5	<5	190	80
L1230 675N	<0.1	2.05	1803	191	<3	0.06	32.6	14	11	43	5.94	0.13	0.10	>20000	93	0.04	20	0.13	63	60	3	8	<5	89	266
L1230 700N	<0.1	5.87	15	36	<3	0.08	6.7	11	13	46	5.54	0.27	0.19	1401	18	0.02	25	0.12	102	132	8	6	16	192	193
L1230 725N	0.2	6.15	55	41	<3	0.07	6.1	8	11	36	5.05	0.17	0.15	862	15	0.02	22	0.13	90	113	8	6	<5	206	161
L1230 750N	0.2	3.67	71	91	<3	0.06	6.2	30	11	61	4.64	0.10	0.34	5903	11	0.02	24	0.22	69	55	7	7	<5	115	136
L1230 775N	0.1	3.75	<3	18	<3	0.06	4.6	11	16	51	5.96	0.08	0.13	994	13	0.02	24	0.07	70	74	14	5	8	125	83
L1230 800N	0.9	2.66	30	41	<3	0.05	3.1	6	12	27	3.03	<0.01	0.16	341	11	0.01	17	0.09	46	21	6	7	<5	85	54
L1230 825N	<0.1	4.65	<3	48	<3	0.06	5.0	7	12	38	6.05	<0.01	0.21	654	12	0.02	24	0.16	53	67	6	9	<5	155	65
L1230 850N	0.2	7.49	<3	32	<3	0.07	7.0	11	14	51	8.13	0.20	0.13	697	16	0.02	32	0.12	124	184	8	6	<5	248	76
L1230 875N	0.6	4.55	<3	15	<3	0.06	5.7	11	14	55	6.78	0.24	0.10	410	18	0.01	31	0.08	112	129	16	5	<5	143	80
L1230 900N	0.6	3.21	11	44	<3	0.07	5.1	11	16	44	5.03	0.16	0.30	535	11	0.02	30	0.10	65	74	12	8	10	96	92
L1230 925N	0.7	3.16	5	132	<3	0.13	4.1	19	13	27	3.05	0.11	0.31	1502	10	0.01	28	0.12	79	37	8	11	<5	100	131
L1230 950N	0.3	3.16	26	51	<3	0.10	2.7	9	15	31	5.12	0.08	0.28	496	13	0.02	29	0.08	65	64	9	10	<5	101	59
L1230 1000N	0.1	1.49	19	45	<3	0.07	1.7	7	11	31	2.12	0.01	0.13	107	6	<0.01	25	0.06	51	10	9	9	<5	44	40
L1230 1025N	0.4	1.15	46	28	<3	0.05	1.0	6	12	18	1.30	0.04	0.10	156	6	<0.01	28	0.06	34	<2	4	7	<5	33	43
L1230 1050N	0.3	6.99	<3	18	<3	0.06	3.1	7	7	32	5.22	0.16	0.06	385	11	<0.01	31	0.07	120	137	7	3	<5	232	106
L1230 1075N	0.4	5.04	<3	31	<3	0.09	2.2	9	11	38	3.43	0.19	0.12	434	11	<0.01	33	0.16	84	107	7	8	<5	165	73
L1230 1100N	<0.1	4.31	<3	25	39	0.07	3.9	9	17	38	4.62	0.20	0.17	194	10	<0.01	32	0.08	88	96	9	8	<5	137	62
L1230 1125N	0.2	2.70	<3	35	25	0.07	5.0	11	17	40	4.52	0.14	0.25	1291	13	0.02	33	0.08	71	60	12	9	8	78	78
L1100 775NA	0.2	3.97	<3	12	<3	0.07	3.7	8	16	43	5.39	0.09	0.09	181	14	0.02	33	0.09	86	89	15	6	19	127	91
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

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VGC VANGEOCHEM LAB LIMITED

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BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: PAMICON DEVELOPMENTS LTD.
ADDRESS: 711 - 675 W. Hastings St.
: Vancouver, BC
: V6B 1N4

DATE: SEPT 07 1990
REPORT#: 900206 GA
JOB#: 900206

PROJECT#: KIRBY
SAMPLES ARRIVED: AUG 03 1990
REPORT COMPLETED: SEPT 07 1990
ANALYSED FOR: Au (FA/AAS) ICP

INVOICE#: 900206 NA
TOTAL SAMPLES: 41
SAMPLE TYPE: 41 SOIL
REJECTS: DISCARDED

SAMPLES FROM: BRONSON CAMP
COPY SENT TO: PAMICON DEVELOPMENTS LTD.

RECEIVED
SEP - 1 1990

PREPARED FOR: MR. STEVE TODORUK

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: RESULTS FAXED TO MR. DONALD PENNER & BRONSON CAMP.

1630 PANDORA STREET
VANCOUVER, BC V5L 1L6
(604) 251-5656

VGC VANGEOCHEM LAB LIMITED

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BRANCH OFFICES
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MISSISSAUGA, ONT
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900206 GA JOB NUMBER: 900206 **PANICON DEVELOPMENTS LTD.**

SAMPLE #	Au ppb
L1200 000N	nd
L1200 025N	nd
L1200 050N	nd
L1200 075N	nd
L1200 100N	nd
L1200 125N	nd
L1200 150N	nd
L1200 175N	nd
L1200 200N	nd
L1200 225N	nd
L1200 250N	nd
L1200 275N	nd
L1200 300N	nd
L1200 325N	nd
L1200 350N	nd
L1200 375N	nd
L1200 400N	nd
L1200 425N	nd
L1200 450N	nd
L1200 475N	nd
L1200 500N	nd
L1200 525N	nd
L1200 550N	nd
L1200 575N	nd
L1200 600N	nd
L1200 625N	nd
L1200 650N	nd
L1200 675N	nd
L1200 700N	nd
L1200 725N	nd
L1200 750N	nd
L1200 775N	nd
L1200 800N	nd
L1200 825N	nd
L1200 850N	nd
L1200 875N	nd
L1200 900N	nd
L1200 925N	nd
L1200 950N	nd
DETECTION LIMIT	5

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

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VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
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BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

SAMPLE #	Au ppb
L1200 975N	nd
L1200 1000W	nd

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

VANGEOCHEM LAB LIMITED
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ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

SEP - 1990

ANALYST:

REPORT #: 900206 PA | PANICOM DEVELOPMENTS LTD. | PROJECT: KIRBY | DATE IN: AUG 03 1990 | DATE OUT: SEPT 04 1990 | ATTENTION: MR. STEVE TODORUK |

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L1200 000N	<0.1	4.00	151	68	<3	0.06	3.6	7	12	20	3.44	0.07	0.71	172	13	<0.01	13	0.05	18	<2	17	9	<5	<3	104
L1200 025N	<0.1	3.67	85	25	<3	0.06	3.8	9	12	20	7.65	0.13	0.21	407	18	<0.01	10	0.06	47	<2	22	5	<5	<3	93
L1200 050N	<0.1	2.99	263	43	<3	0.05	3.7	21	13	29	4.27	0.11	0.48	6078	24	<0.01	12	0.05	41	<2	18	5	<5	<3	152
L1200 075N	<0.1	6.34	160	32	<3	0.05	2.4	14	13	31	5.03	0.14	0.25	1493	18	<0.01	9	0.06	33	<2	25	4	<5	<3	160
L1200 100N	<0.1	1.81	3	20	<3	0.04	0.2	4	10	6	0.99	0.05	0.19	67	7	<0.01	7	0.15	23	<2	14	5	<5	<3	35
L1200 125N	<0.1	3.62	482	73	<3	0.08	0.8	10	10	20	3.41	0.09	0.43	5130	17	<0.01	8	0.11	22	<2	16	7	<5	<3	178
L1200 150N	<0.1	2.12	>2000	410	<3	0.11	10.1	39	5	58	4.66	0.10	0.20	15019	73	<0.01	19	0.14	96	2	13	6	<5	<3	717
L1200 175N	<0.1	7.56	>2000	68	<3	0.15	4.7	20	11	13	5.06	0.15	0.06	3104	16	<0.01	8	0.08	19	<2	26	6	<5	<3	274
L1200 200N	<0.1	5.89	222	49	<3	0.05	3.3	22	12	28	4.55	0.13	0.22	5238	18	<0.01	10	0.15	40	<2	21	4	<5	<3	211
L1200 225N	0.2	2.28	70	52	<3	0.04	1.4	15	13	18	2.06	0.07	0.12	494	13	<0.01	7	0.06	62	<2	22	5	<5	<3	57
L1200 250N	<0.1	3.76	<3	13	<3	0.04	2.7	7	11	9	6.86	0.13	0.06	379	13	<0.01	8	0.04	46	<2	24	2	<5	<3	94
L1200 275N	<0.1	3.69	54	22	<3	0.04	3.2	10	13	18	9.00	0.14	0.11	490	17	<0.01	11	0.03	53	<2	28	2	<5	<3	114
L1200 300N	<0.1	1.25	123	20	<3	0.03	1.5	13	6	21	2.26	0.06	0.21	284	8	<0.01	5	0.05	41	<2	15	3	<5	<3	44
L1200 325N	<0.1	6.02	95	58	<3	0.08	3.2	16	11	24	4.98	0.13	0.29	5199	16	<0.01	11	0.07	37	<2	22	7	<5	<3	257
L1200 350N	0.1	8.12	<3	41	<3	0.05	2.5	10	5	15	4.68	0.13	0.15	1413	12	<0.01	11	0.10	8	<2	27	3	<5	<3	223
L1200 375N	<0.1	4.79	<3	10	<3	0.04	0.8	10	9	19	6.05	0.13	0.07	278	15	<0.01	8	0.05	37	<2	26	2	<5	<3	85
L1200 400N	0.1	5.03	653	61	<3	0.05	3.1	12	9	30	4.70	0.12	0.22	6359	23	<0.01	15	0.07	155	<2	18	5	<5	<3	521
L1200 425N	<0.1	4.19	334	52	<3	0.05	2.3	10	10	23	3.67	0.11	0.25	4049	12	<0.01	11	0.13	54	<2	16	6	<5	<3	313
L1200 450N	<0.1	3.07	259	69	<3	0.04	2.6	18	11	18	5.10	0.13	0.28	14539	20	<0.01	6	0.08	60	<2	16	4	<5	<3	140
L1200 475N	<0.1	3.72	484	59	<3	0.03	2.8	10	9	16	5.07	0.11	0.21	1173	20	<0.01	9	0.09	50	<2	19	5	<5	<3	231
L1200 500N	0.1	6.51	<3	18	<3	0.05	1.0	9	13	16	7.47	0.15	0.08	437	16	<0.01	11	0.03	50	<2	29	1	<5	<3	105
L1200 525N	1.2	4.68	560	66	<3	0.05	21.0	17	9	41	3.85	0.11	0.18	>20000	37	<0.01	4	0.10	726	<2	18	4	<5	<3	757
L1200 550N	0.2	5.83	360	152	<3	0.08	3.8	20	8	34	4.24	0.16	0.41	8243	16	<0.01	14	0.07	57	<2	20	7	<5	<3	485
L1200 575N	0.1	2.03	866	425	<3	0.25	4.5	8	6	11	5.47	0.14	0.21	8688	18	<0.01	11	0.13	52	3	18	25	<5	<3	215
L1200 600N	0.1	3.81	735	104	<3	0.08	3.6	11	8	12	6.36	0.14	0.54	5154	21	<0.01	11	0.12	39	<2	19	8	<5	<3	231
L1200 625N	0.1	3.99	130	57	<3	0.05	2.2	20	11	32	4.19	0.11	0.48	2459	12	<0.01	12	0.09	53	<2	18	5	<5	<3	190
L1200 650N	<0.1	5.21	310	70	<3	0.04	3.4	14	10	27	5.29	0.15	0.13	5540	17	<0.01	5	0.14	46	<2	23	2	<5	<3	308
L1200 675N	0.2	5.06	<3	33	<3	0.03	1.1	12	9	17	4.56	0.14	0.11	845	16	<0.01	9	0.11	47	<2	26	3	<5	<3	109
L1200 700N	0.2	3.41	455	101	<3	0.06	2.4	27	8	36	4.53	0.11	0.34	4717	15	<0.01	10	0.35	44	<2	19	5	<5	<3	236
L1200 725N	<0.1	3.49	127	121	<3	0.08	1.2	9	7	18	4.05	0.10	0.31	1159	11	<0.01	10	0.40	33	<2	17	19	<5	<3	151
L1200 750N	0.1	3.58	685	113	<3	0.12	0.7	18	7	28	4.21	0.10	0.27	2795	12	<0.01	11	0.19	41	<2	15	8	<5	<3	164
L1200 775N	<0.1	3.77	1177	200	<3	0.25	2.9	75	5	184	4.23	0.15	0.43	4278	15	<0.01	13	0.14	67	<2	16	15	<5	<3	551
L1200 800N	0.2	3.11	700	353	<3	0.58	3.1	34	7	45	3.79	0.16	0.36	7592	16	<0.01	11	0.32	75	<2	17	21	<5	<3	387
L1200 825N	0.1	4.91	210	76	<3	0.07	1.0	21	11	115	4.40	0.10	0.38	4583	12	<0.01	9	0.17	28	<2	20	6	<5	<3	235
L1200 850N	0.2	3.61	92	65	<3	0.04	1.5	14	9	25	4.38	0.09	0.34	1616	12	<0.01	8	0.09	30	<2	16	6	<5	<3	125
L1200 875N	0.1	5.22	72	294	<3	0.47	0.5	16	6	59	4.25	0.15	0.81	6491	7	<0.01	7	0.08	35	<2	18	23	<5	<3	191
L1200 900N	0.1	3.19	<3	16	<3	0.04	3.1	12	10	20	>10.00	0.19	0.09	392	16	<0.01	3	0.04	71	22	32	1	<5	<3	89
L1200 925N	<0.1	3.11	<3	22	<3	0.03	1.0	12	8	20	6.67	0.14	0.11	295	13	<0.01	7	0.04	63	8	26	4	<5	<3	64
L1200 950N	0.1	5.18	<3	51	<3	0.05	0.6	11	11	25	5.88	0.11	0.42	375	8	<0.01	8	0.06	22	<2	24	8	<5	<3	70
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VANGEOCHEM LAB LIMITED
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ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 900206 PA | PAMICON DEVELOPMENTS LTD. | PROJECT: KIRBY | DATE IN: AUG 03 1990 | DATE OUT: SEPT 04 1990 | ATTENTION: MR. STEVE TODORUK |

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L1200 975N	<0.1	3.90	<3	37	<3	0.03	0.8	12	15	36	5.31	0.12	0.23	229	16	<0.01	8	0.02	38	<2	18	5	<5	<3	47
L1200 1000N	<0.1	5.48	<3	40	<3	0.03	2.3	12	15	25	6.81	0.14	0.42	415	12	<0.01	8	0.02	32	<2	25	4	<5	<3	69
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

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BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: PAMICON DEVELOPMENTS LTD.
ADDRESS: 711 - 675 W. Hastings St.
: Vancouver, BC
: V6B 1N4

DATE: SEPT 04 1990
REPORT#: 900236 GA
JOB#: 900236

PROJECT#: KIRBY
SAMPLES ARRIVED: AUG 13 1990
REPORT COMPLETED: SEPT 04 1990
ANALYSED FOR: Au ICP

INVOICE#: 900236 NA
TOTAL SAMPLES: 28
SAMPLE TYPE: 28 SOIL
REJECTS: DISCARDED

SAMPLES FROM: BRONSON CAMP
COPY SENT TO: PAMICON DEVELOPMENTS LTD.

RECEIVED
SEP 10 1990

PREPARED FOR: MR. STEVE TODORUK

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: RESULTS FAXED TO MR. DONALD PENNER & BRONSON CAMP.

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REPORT NUMBER: 900236 GA JOB NUMBER: 900236 **PANICON DEVELOPMENTS LTD.**

SAMPLE #	Au ppb
L960 000N	5
L960 025N	5
L960 050N	nd
L960 075N	5
L960 100N	10
L960 125N	15
L960 150N	nd
L960 175N	10
L960 200N	5
L960 225N	5
L960 250N	20
L960 275N	5
L960 300N	nd
L960 350N	15
L960 375N	nd
L960 400N	10
L960 425N	10
L960 450N	nd
L960 475N	10
L960 500N	10
L960 550N	5
L960 625N	5
L960 675N	nd
L960 725N	10
L960 750N	10
L960 775N	5
L960 800N	nd
L960 825N	15

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

VANGEOCHEM LAB LIMITED

1630 Pandora Street, Vancouver V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

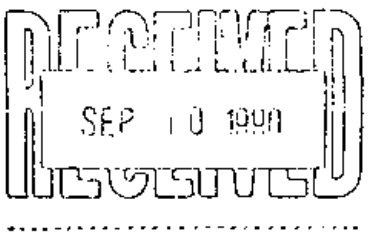
A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: _____

REPORT #: 900236 PA | PAMICON DEVELOPMENTS LTD. | PROJECT: KIRBY | DATE IN: AUG 13 1990 | DATE OUT: SEPT 04 1990 | ATTENTION: MR. STEVE TODORUK | PAGE 1 OF 1

Sample Name	Ag ppm	Al %	As 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	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
L960 000N	<0.1	2.98	<3	9	<3	0.12	2.5	22	26	12	6.56	0.32	0.07	233	23	<0.01	34	0.01	53	<2	33	3	6	<3	91
L960 025N	<0.1	6.06	<3	511	<3	0.24	<0.1	17	23	21	4.87	0.42	0.16	1864	19	<0.01	13	0.07	26	<2	32	13	<5	<3	256
L960 050N	1.5	6.97	<3	101	<3	0.13	1.4	16	17	26	1.84	0.25	0.12	1326	14	<0.01	6	0.20	<2	<2	27	6	<5	<3	105
L960 075N	<0.1	2.95	<3	43	<3	0.07	<0.1	9	15	16	3.11	0.14	0.12	300	8	<0.01	2	0.07	9	<2	10	4	<5	<3	39
L960 100N	<0.1	2.54	<3	30	<3	0.08	1.4	9	19	8	2.90	0.17	0.15	165	10	<0.01	12	0.03	16	<2	13	6	<5	<3	42
L960 125N	<0.1	2.31	<3	19	<3	0.08	0.5	13	22	12	3.75	0.23	0.13	240	15	<0.01	15	0.03	31	<2	22	4	6	<3	68
L960 150N	<0.1	4.98	<3	24	<3	0.14	2.0	17	26	13	>10.00	0.26	0.06	165	21	<0.01	12	0.03	23	<2	39	3	<5	<3	82
L960 175N	<0.1	1.75	<3	155	<3	0.09	1.8	15	10	15	3.29	0.17	0.20	1481	11	<0.01	6	0.20	12	<2	14	4	<5	<3	59
L960 200N	<0.1	4.30	<3	30	<3	0.12	1.1	23	21	27	6.54	0.21	0.28	952	19	<0.01	16	0.06	17	<2	22	5	<5	<3	85
L960 225N	<0.1	4.16	<3	10	<3	0.11	2.3	19	19	13	6.24	0.28	0.06	381	20	<0.01	20	0.04	28	<2	33	3	<5	<3	75
L960 250N	<0.1	4.76	<3	221	<3	0.29	7.6	71	31	57	>10.00	0.34	0.13	17639	42	<0.01	63	0.05	38	<2	32	3	<5	<3	573
L960 275N	<0.1	3.03	<3	453	<3	0.21	<0.1	12	17	13	4.55	0.20	0.16	366	17	<0.01	11	0.10	14	<2	18	17	<5	<3	107
L960 300N	<0.1	2.33	<3	183	<3	0.15	0.4	12	20	12	3.11	0.23	0.28	727	16	<0.01	18	0.12	18	<2	18	10	<5	<3	103
L960 350N	<0.1	6.93	<3	41	40	0.10	<0.1	8	20	31	1.24	0.21	0.13	193	15	<0.01	18	0.24	<2	<2	29	9	<5	<3	101
L960 375N	<0.1	4.29	<3	46	<3	0.11	0.2	14	24	22	5.01	0.36	0.31	214	20	<0.01	20	0.05	14	<2	24	5	<5	<3	96
L960 400N	<0.1	3.66	<3	67	<3	0.12	2.2	13	23	20	8.56	0.21	0.10	207	20	<0.01	15	0.11	22	<2	25	7	5	<3	68
L960 425N	<0.1	3.32	<3	148	<3	0.10	<0.1	16	18	9	2.86	0.20	0.11	149	13	<0.01	13	0.08	<2	<2	30	5	7	<3	87
L960 450N	<0.1	2.79	<3	28	<3	0.14	3.7	61	23	43	9.97	0.29	0.13	1368	28	<0.01	17	0.19	45	<2	17	3	6	<3	87
L960 475N	<0.1	1.80	<3	38	<3	0.13	0.9	17	25	12	4.82	0.29	0.14	287	22	<0.01	20	0.06	37	<2	28	7	6	<3	88
L960 500N	<0.1	3.77	<3	90	<3	0.10	1.2	15	22	31	4.17	0.31	0.26	825	17	<0.01	13	0.09	17	<2	19	5	<5	<3	93
L960 550N	<0.1	0.74	<3	249	<3	0.10	1.2	12	16	11	5.90	0.30	0.17	154	17	<0.01	24	0.16	57	4	10	17	5	<3	30
L960 625N	<0.1	1.18	<3	234	<3	0.37	1.0	19	21	17	3.53	0.24	0.17	3273	19	<0.01	27	0.17	53	6	17	18	6	<3	175
L960 675N	<0.1	1.31	14	170	<3	0.26	0.3	26	21	17	4.28	0.29	0.27	3741	23	<0.01	38	0.07	50	11	26	10	<5	<3	69
L960 725N	<0.1	0.84	32	95	<3	0.12	<0.1	10	11	5	1.81	0.13	0.11	176	15	<0.01	13	0.09	24	<2	27	12	<5	<3	82
L960 750N	<0.1	0.76	10	45	<3	0.23	<0.1	10	16	6	1.69	0.18	0.13	393	19	<0.01	3	0.13	36	<2	21	12	<5	<3	110
L960 800N	<0.1	2.09	<3	72	<3	0.14	1.4	15	18	8	4.14	0.25	0.19	923	16	<0.01	9	0.21	30	<2	19	7	<5	<3	88
L960 825N	<0.1	1.37	<3	36	<3	0.11	1.8	10	18	9	2.52	0.25	0.12	171	19	<0.01	11	0.07	32	<2	25	8	<5	<3	59
L960 775N	<0.1	2.53	<3	43	<3	0.10	0.4	23	18	10	4.76	0.20	0.13	452	14	<0.01	10	0.05	21	<2	30	5	<5	<3	72
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.



1630 PANDORA STREET
VANCOUVER, BC V5L 1L6
(604) 251-5656

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
~~1988 TRIUMPH ST.~~
~~VANCOUVER, B.C. V5L 1K5~~
● (604) 251-5656
● FAX (604) 254-5717

BRANCH OFFICES
PASADENA, NFLD.
BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: PAMICON DEVELOPMENTS LTD.
ADDRESS: 711 - 675 W. Hastings St.
: Vancouver, BC
: V6B 1N4

DATE: SEPT 14 1990
REPORT#: 900403 GA
JOB#: 900403

PROJECT#: KIRBY
SAMPLES ARRIVED: SEPT 06 1990
REPORT COMPLETED: SEPT 14 1990
ANALYSED FOR: Au ICP

INVOICE#: 900403 NA
TOTAL SAMPLES: 49
SAMPLE TYPE: 49 SOIL
REJECTS: DISCARDED

SAMPLES FROM: BRONSON CAMP
COPY SENT TO: PAMICON DEVELOPMENTS LTD.

RECEIVED
OCT 10 1990

PREPARED FOR: MR. STEVE TODORUK

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: RESULTS FAXED TO MR. DONALD PENNER & BRONSON CAMP.

1630 PANDORA STREET
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VGC VANGEOCHEM LAB LIMITED

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BRANCH OFFICES
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BATHURST, N.B.
MISSISSAUGA, ONT.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900403 GA JOB NUMBER: 900403 **PANICON DEVELOPMENTS LTD.**

SAMPLE #	Au ppb
L0+00 000W	nd
L0+00 025W	5
L0+00 050W	20
L0+00 075W	nd
L0+00 100W	nd
L0+00 125W	15
L0+00 150W	nd
L0+00 175W	10
L0+00 200W	5
L0+00 225W	nd
L0+00 250W	20
L0+00 275W	nd
L0+00 300W	15
L0+00 350W	nd
L0+00 375W	nd
L0+00 400W	nd
L0+00 425W	nd
L0+00 450W	10
L0+00 475W	nd
L0+00 500W	5
L0+00 525W	nd
L0+00 550W	5
L0+00 575W	5
L0+00 600W	5
L0+00 625W	nd
L0+00 650W	20
L0+00 675W	nd
L0+00 700W	nd
L0+00 725W	20
L0+00 750W	nd
L0+00 775W	5
L0+00 800W	nd
L0+00 825W	nd
L0+00 900W	10
L0+50 000W	nd
L0+50 025W	nd
L0+50 050W	nd
L0+50 125W	5
L0+50 150W	15
DETECTION LIMIT	5

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

1639 [illegible]
VANCOUVER, BC V5L 1L6
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VGC VANGEOCHEM LAB LIMITED

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BRANCH OFFICES
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BATHURST, N.B.
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RENO, NEVADA, U.S.A.

REPORT NUMBER: 900403 GA JOB NUMBER: 900403 PANICON DEVELOPMENTS LTD.

SAMPLE #	Au ppb
L0+50 175W	5
L0+50 200W	15
L0+50 225W	15
L0+50 250W	15
L0+50 275W	15
L0+50 300W	nd
L0+50 325W	5
L0+50 350W	10
L0+50 375W	nd
L0+50 400W	nd

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

VANGEOCHEM LAB LIT
1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: _____

REPORT #: 900403 PA | PAMICON DEVELOPMENTS LTD. | PROJECT: KIRBY | DATE IN: SEPT 06 1990 | DATE OUT: OCT 05 1990 | ATTENTION: MR. STEVE TODORUK |

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L0+00 000W	<0.1	5.16	<3	33	<3	0.06	0.8	7	442	20	4.61	0.08	0.11	635	499	0.12	2003	0.03	31	<2	18	2	<5	<3	104
L0+00 025W	<0.1	2.87	<3	25	<3	0.14	0.9	11	21	30	3.43	0.06	0.20	163	15	0.07	27	0.06	35	<2	17	12	<5	<3	62
L0+00 050W	<0.1	3.00	<3	118	<3	0.08	0.9	6	14	18	2.62	0.03	0.14	190	9	0.04	12	0.07	13	<2	15	42	<5	<3	56
L0+00 075W	<0.1	5.14	<3	34	<3	0.05	0.5	3	13	14	4.00	0.05	0.08	257	11	0.07	7	0.04	20	<2	17	3	<5	<3	70
L0+00 100W	<0.1	3.04	<3	71	<3	0.14	1.4	11	16	30	3.56	0.06	0.49	927	8	0.07	15	0.07	38	<2	12	15	<5	<3	97
L0+00 125W	<0.1	4.15	<3	19	<3	0.05	0.9	4	12	19	4.10	0.05	0.08	247	11	0.09	5	0.07	41	<2	17	4	<5	<3	79
L0+00 150W	<0.1	3.26	<3	31	<3	0.03	1.7	5	11	14	6.26	0.07	0.13	160	10	0.05	6	0.04	33	<2	15	5	5	<3	46
L0+00 175W	<0.1	2.90	<3	8	<3	0.02	1.3	2	11	11	5.37	0.05	0.03	80	9	0.06	3	0.05	37	<2	14	1	<5	<3	44
L0+00 200W	<0.1	2.60	<3	46	<3	0.08	<0.1	5	12	17	2.01	0.03	0.29	173	7	0.06	6	0.06	20	<2	10	9	<5	<3	72
L0+00 225W	<0.1	2.89	<3	12	<3	0.03	1.8	4	11	16	6.52	0.08	0.04	437	15	0.08	6	0.08	61	5	16	2	<5	<3	67
L0+00 250W	<0.1	3.22	<3	18	<3	0.02	1.1	4	11	15	3.85	0.04	0.08	348	11	0.06	3	0.05	36	<2	15	3	<5	<3	71
L0+00 275W	<0.1	3.17	<3	62	<3	0.12	1.3	12	12	28	4.13	0.08	0.36	1581	11	0.10	7	0.07	63	<2	12	10	<5	<3	125
L0+00 300W	<0.1	2.36	<3	16	<3	0.02	1.2	4	9	11	5.90	0.06	0.05	385	11	0.06	2	0.05	39	3	12	2	<5	<3	56
L0+00 325W	<0.1	4.37	<3	14	<3	0.02	1.3	4	13	16	6.17	0.07	0.06	407	13	0.08	<1	0.04	41	<2	18	2	<5	<3	77
L0+00 350W	<0.1	4.06	<3	54	<3	0.07	1.4	8	11	23	3.98	0.08	0.35	497	10	0.10	4	0.04	29	<2	14	8	<5	<3	119
L0+00 375W	<0.1	4.51	<3	40	<3	0.04	<0.1	4	7	23	4.41	0.08	0.16	312	11	0.11	1	0.03	33	<2	16	3	<5	<3	142
L0+00 400W	<0.1	4.66	<3	25	<3	0.03	0.4	5	11	21	4.12	0.06	0.16	379	10	0.09	2	0.08	19	<2	16	7	<5	<3	108
L0+00 425W	<0.1	4.18	<3	21	<3	0.01	1.0	4	11	16	4.45	0.05	0.07	305	13	0.07	<1	0.05	33	<2	17	3	<5	<3	68
L0+00 450W	<0.1	5.09	<3	20	<3	0.04	0.7	6	9	17	4.60	0.08	0.09	897	13	0.08	<1	0.08	25	<2	19	3	<5	<3	82
L0+00 475W	<0.1	3.96	<3	17	<3	<0.01	2.0	3	12	13	7.17	0.07	0.04	179	12	0.08	2	0.04	53	<2	18	<1	<5	<3	56
L0+00 525W	<0.1	2.78	<3	12	<3	0.03	1.7	6	13	20	6.19	0.09	0.12	311	13	0.13	3	0.05	54	4	17	3	<5	<3	87
L0+00 550W	<0.1	6.54	<3	20	<3	0.01	0.3	5	9	21	5.75	0.09	0.09	780	12	0.09	<1	0.08	33	<2	22	2	<5	<3	146
L0+00 575W	<0.1	4.26	<3	105	<3	0.10	0.3	8	11	30	3.59	0.08	0.27	395	11	0.12	3	0.09	40	<2	16	27	<5	<3	143
L0+00 600W	<0.1	3.29	<3	70	<3	0.10	0.8	13	12	32	4.00	0.07	0.55	1090	9	0.07	3	0.06	32	<2	13	14	<5	<3	121
L0+00 625W	<0.1	4.54	<3	50	<3	0.03	0.9	6	10	21	3.70	0.07	0.21	342	11	0.09	<1	0.05	35	<2	17	7	<5	<3	121
L0+00 650W	<0.1	2.46	<3	108	<3	0.01	<0.1	4	6	11	2.11	0.02	0.25	479	7	0.03	<1	0.07	7	<2	9	7	<5	<3	63
L0+00 675W	<0.1	3.72	<3	113	<3	0.07	0.8	8	11	31	3.51	0.06	0.44	1059	9	0.08	<1	0.10	23	<2	13	13	<5	<3	92
L0+00 700W	<0.1	3.68	<3	446	<3	0.15	0.5	9	8	21	2.70	0.06	0.51	1583	7	0.06	<1	0.08	12	<2	12	318	<5	<3	88
L0+00 725W	<0.1	2.91	<3	126	<3	0.18	0.9	13	14	25	3.25	0.07	0.71	1365	7	0.06	6	0.10	28	<2	12	39	<5	<3	95
L0+00 750W	<0.1	1.80	<3	36	<3	0.03	2.4	11	13	29	6.94	0.08	0.14	249	11	0.05	<1	0.10	49	8	16	7	<5	<3	66
L0+00 775W	<0.1	2.18	<3	36	<3	0.02	<0.1	4	9	15	2.02	0.02	0.22	140	8	0.03	<1	0.08	20	<2	9	8	<5	<3	42
L0+00 800W	<0.1	4.55	<3	175	<3	0.04	3.0	13	9	21	3.86	0.08	0.46	7201	32	0.09	<1	0.06	200	<2	13	9	<5	<3	50
L0+00 825W	<0.1	3.00	370	341	<3	0.59	6.5	16	7	19	3.63	0.12	0.86	2074	15	0.07	<1	0.12	50	<2	11	55	<5	<3	224
L0+00 900W	<0.1	0.95	55	89	<3	0.47	1.0	7	8	14	1.66	0.07	0.17	367	11	0.03	<1	0.08	17	<2	9	31	<5	<3	152
L0+00 000W	<0.1	5.09	<3	22	<3	<0.01	0.7	3	11	21	5.72	0.07	0.08	187	12	0.11	<1	0.06	43	<2	19	2	<5	<3	92
L0+00 025W	<0.1	3.85	<3	36	<3	<0.01	0.1	4	11	20	4.00	0.04	0.13	209	12	0.06	<1	0.06	29	<2	16	7	<5	<3	85
L0+00 050W	<0.1	2.80	<3	37	<3	<0.01	1.3	4	10	18	6.46	0.06	0.18	208	11	0.06	<1	0.05	44	<2	15	6	<5	<3	69
L0+00 125W	<0.1	1.94	<3	16	<3	<0.01	1.1	5	11	19	5.48	0.06	0.08	113	12	0.07	<1	0.04	55	5	15	4	<5	<3	53
L0+00 150W	<0.1	2.28	<3	51	<3	<0.01	<0.1	3	9	14	1.97	0.02	0.12	87	7	0.03	<1	0.05	17	<2	10	9	<5	<3	35
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum | > - Greater Than Maximum | is - Insufficient Sample | ns - No Sample | ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VANGEOCHEM LAB LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5655 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 grm sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: _____

REPORT #: 900403 PA | PANICON DEVELOPMENTS LTD. | PROJECT: KIRBY | DATE IN: SEPT 06 1990 | DATE OUT: OCT 05 1990 | ATTENTION: MR. STEVE TODORUK |

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L0+50 175W	0.1	1.06	<3	29	<3	0.04	1.3	5	7	14	1.42	<0.01	0.06	83	6	0.02	7	0.02	25	<2	8	9	<5	<3	33
L0+50 200W	0.3	1.58	<3	24	<3	0.04	1.0	6	12	17	1.55	0.01	0.07	75	8	0.04	6	0.03	48	<2	12	7	<5	<3	40
L0+50 225W	<0.1	4.28	<3	49	<3	0.08	1.6	8	12	25	4.58	0.07	0.28	1036	11	0.09	9	0.03	33	<2	16	8	<5	<3	140
L0+50 250W	<0.1	5.74	<3	16	<3	0.02	0.9	3	8	14	4.28	0.05	0.06	325	13	0.08	5	0.04	26	<2	19	2	<5	<3	84
L0+50 275W	<0.1	3.08	<3	85	<3	0.11	2.3	11	11	31	3.91	0.06	0.42	1273	8	0.08	8	0.06	24	<2	12	12	<5	<3	137
L0+50 300W	<0.1	5.58	<3	11	<3	0.01	1.7	3	10	15	4.39	0.04	0.04	127	11	0.08	3	0.06	29	<2	20	2	<5	<3	53
L0+50 325W	<0.1	3.88	<3	11	<3	<0.01	1.9	3	12	14	6.55	0.07	0.07	182	12	0.09	6	0.04	46	<2	18	2	<5	<3	79
L0+50 350W	0.7	2.57	<3	27	<3	<0.01	0.9	3	8	18	2.81	0.02	0.06	172	8	0.05	3	0.04	21	<2	12	4	<5	<3	51
L0+50 375W	0.3	3.23	<3	33	<3	<0.01	0.9	3	10	14	1.98	<0.01	0.12	158	8	0.04	<1	0.05	25	<2	14	5	<5	<3	60
L0+50 400W	0.2	3.87	<3	39	<3	0.02	1.2	8	10	20	3.66	0.03	0.18	1150	8	0.07	3	0.06	24	<2	14	6	<5	<3	118
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

(- Less Than Minimum) - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VGC VANGEOCHEM LAB LIMITED

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BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: PAMICON DEVELOPMENTS LTD.
ADDRESS: 711 - 675 W. Hastings St.
: Vancouver, BC
: V6B 1N4

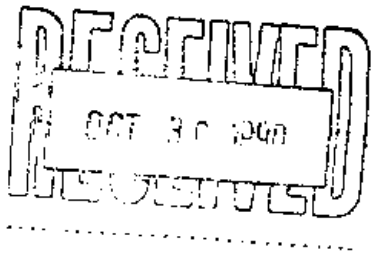
DATE: OCT 05 1990

REPORT#: 900566 GA
JOB#: 900566

PROJECT#: KIRBY
SAMPLES ARRIVED: SEPT 24 1990
REPORT COMPLETED: OCT 05 1990
ANALYSED FOR: Au ICP

INVOICE#: 900566 NA
TOTAL SAMPLES: 117
SAMPLE TYPE: 117 SOIL
REJECTS: DISCARDED

SAMPLES FROM: BRONSON CAMP
COPY SENT TO: PAMICON DEVELOPMENTS LTD.



PREPARED FOR: MR. STEVE TODORUK

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: RESULTS FAXED TO MR. DONALD PENNER & BRONSON CAMP.

VGC VANGEOCHEM LAB LIMITED

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BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900566 GA JOB NUMBER: 900566 PANICON DEVELOPMENTS LTD.

SAMPLE #	Au ppb
BL4800E 5100N	nd
BL4800E 5125N	nd
BL4800E 5150N	nd
BL4800E 5175N	5
BL4800E 5200N	15
BL4800E 5225N	10
BL4800E 5250N	nd
BL4800E 5275N	nd
BL4800E 5300N	15
BL4800E 5325N	15
BL4800E 5350N	10
BL4800E 5375N	nd
BL4800E 5400N	15
BL4800E 5425N	nd
BL4800E 5450N	nd
BL4800E 5475N	5
BL4800E 5500N	nd
BL4800E 5525N	5
BL4800E 5550N	nd
BL4800E 5575N	20
BL4800E 5600N	15
BL4800E 5625N	nd
BL4800E 5650N	10
BL4800E 5675N	nd
BL4800E 5700N	nd
L5000E 5025N	20
L5000E 5050N	nd
L5000E 5075N	10
L5000E 5100N	5
L5000E 5125N	nd
L5000N 4750E	10
L5000N 4775E	10
L5000N 4800E	15
L5000N 4825E	10
L5000N 4850E	nd
L5000N 4875E	10
L5000N 4900E	20
L5000N 4950E	10
L5000N 4975E	15
DETECTION LIMIT	5

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

VGC VANGEOCHEM LAB LIMITED

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BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

SAMPLE #	Au ppb
L5000N 5000E	5
L5100N 4825E	15
L5100N 4850E	5
L5100N 4875E	nd
L5100N 4900E	nd
L5100N 4925E	nd
L5100N 4950E	5
L5100N 4975E	nd
L5200N 4825E	nd
L5200N 4850E	15
L5200N 4875E	nd
L5200N 4900E	20
L5200N 4925E	nd
L5200N 4950E	10
L5200N 4975E	5
L5200N 5000E	nd
L5200N 5025E	nd
L5300N 4825E	15
L5300N 4850E	15
L5300N 4875E	nd
L5300N 4900E	nd
L5300N 4925E	nd
L5300N 4975E	nd
L5300N 5000E	5
L5300N 5025E	5
L5300N 5050E	nd
L5300N 5075E	nd
L5400N 4825E	10
L5400N 4850E	20
L5400N 4875E	15
L5400N 4900E	20
L5400N 4950E	nd
L5400N 4975E	10
L5400N 5000E	nd
L5400N 5025E	nd
L5400N 5050E	15
L5400N 5075E	10
L5500N 4825E	5
L5500N 4850E	nd
DETECTION LIMIT	5

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

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
1630 PANDORA STREET
VANCOUVER, B.C.
V5L 1L6
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BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900566 GA JOB NUMBER: 900566 PANICON DEVELOPMENTS LTD.

SAMPLE #	Au ppb
L5500N 4875E	20
L5500N 4900E	nd
L5500N 4925E	nd
L5500N 4950E	10
L5500N 4975E	nd
L5500N 5000E	nd
L5500N 5025E	10
L5500N 5075E	5
L5500N 5100E	nd
L5500N 5125E	5
L5600N 4825E	nd
L5600N 4850E	nd
L5600N 4875E	10
L5600N 4900E	5
L5600N 4925E	nd
L5600N 4950E	10
L5600N 4975E	nd
L5600N 5000E	nd
L5600N 5025E	nd
L5600N 5050E	nd
L5600N 5075E	5
L5600N 5100E	15
L5600N 5125E	10
L5700N 4825E	15
L5700N 4850E	5
L5700N 4875E	5
L5700N 4900E	10
L5700N 4925E	nd
L5700N 4950E	nd
L5700N 4975E	nd
L5700N 5000E	nd
L5700N 5025E	5
L5700N 5050E	10
L5700N 5075E	15
L5700N 5100E	nd
L5700N 5125E	20
L5700N 5150E	5
L5700N 5175E	20
L5700N 5200E	nd
DETECTION LIMIT	5

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

1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water. This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

REPORT #: 900566 PA | PANICON DEVELOPMENTS LTD. | PROJECT: KIRBY | DATE IN: SEPT 24 1990 | DATE OUT: OCT 24 1990 | ATTENTION: MR. STEVE TODORUK | PAGE 1 OF 3

Sample Name	Ag ppm	Al %	As 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	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
BL4800E 5100N	0.4	2.45	373	352	<3	0.36	<0.1	19	20	43	4.59	0.14	0.78	3385	17	0.05	14	0.06	<2	<2	<2	44	<5	<3	221
BL4800E 5125N	0.4	3.43	307	320	<3	0.32	<0.1	17	21	50	4.41	0.14	0.82	1905	21	0.06	6	0.06	<2	<2	<2	33	<5	<3	287
BL4800E 5150N	<0.1	2.58	506	359	<3	0.37	<0.1	20	20	60	4.91	0.15	0.94	3068	20	0.06	15	0.09	6	<2	<2	39	<5	<3	379
BL4800E 5175N	<0.1	2.18	437	332	<3	0.46	<0.1	18	18	43	4.34	0.14	0.90	2914	18	0.06	17	0.09	<2	<2	<2	121	<5	<3	294
BL4800E 5200N	0.1	2.70	380	215	<3	0.31	<0.1	18	19	50	4.41	0.13	0.81	1854	21	0.05	12	0.09	<2	<2	<2	120	<5	<3	203
BL4800E 5225N	0.1	2.57	144	48	<3	0.10	<0.1	9	20	19	4.40	0.10	0.45	288	21	0.05	7	0.12	<2	<2	<2	11	<5	<3	86
BL4800E 5250N	<0.1	1.00	41	31	<3	0.11	<0.1	10	13	9	4.86	0.10	0.10	319	19	0.05	5	0.08	23	3	<2	12	<5	<3	65
BL4800E 5275N	<0.1	2.34	12	43	<3	0.12	<0.1	6	20	13	7.02	0.15	0.15	316	19	0.04	3	0.04	<2	<2	<2	15	<5	<3	70
BL4800E 5300N	<0.1	2.99	8	72	<3	0.10	<0.1	7	21	16	4.77	0.11	0.22	436	20	0.04	4	0.22	<2	<2	<2	26	<5	<3	78
BL4800E 5325N	0.2	2.64	239	101	<3	0.15	<0.1	11	21	19	5.31	0.14	0.40	548	16	0.05	9	0.05	<2	<2	<2	42	<5	<3	92
BL4800E 5350N	0.1	2.82	24	35	<3	0.13	<0.1	10	22	14	7.85	0.19	0.12	638	23	0.07	3	0.10	<2	<2	<2	13	<5	<3	83
BL4800E 5375N	0.3	2.89	17	54	<3	0.13	<0.1	7	22	25	7.78	0.19	0.21	512	22	0.05	3	0.05	<2	<2	<2	13	<5	<3	109
BL4800E 5400N	0.6	3.23	<3	54	<3	0.10	<0.1	11	20	16	4.69	0.13	0.14	5217	21	0.07	2	0.09	<2	<2	<2	14	<5	<3	130
BL4800E 5425N	0.4	1.77	1060	115	<3	0.11	<0.1	51	13	20	5.18	0.12	0.11	5228	15	0.04	6	0.16	28	<2	<2	17	<5	<3	62
BL4800E 5450N	0.1	1.37	52	66	<3	0.04	<0.1	3	12	7	1.69	0.04	0.09	105	10	0.02	2	0.06	<2	<2	<2	8	<5	<3	32
BL4800E 5475N	0.7	1.97	153	131	<3	0.07	<0.1	3	13	12	1.40	0.03	0.06	109	13	0.02	3	0.11	<2	<2	<2	12	<5	<3	67
BL4800E 5500N	<0.1	4.10	<3	32	<3	0.11	<0.1	9	28	15	6.35	0.17	0.15	433	25	0.08	5	0.03	<2	<2	<2	4	<5	<3	92
BL4800E 5525N	0.2	3.19	<3	29	<3	0.13	<0.1	8	27	20	6.46	0.16	0.29	351	21	0.06	7	0.02	<2	<2	<2	7	<5	<3	86
BL4800E 5550N	0.1	2.91	7	67	<3	0.15	<0.1	16	24	12	4.46	0.13	0.21	2415	19	0.07	5	0.08	<2	<2	<2	9	<5	<3	104
BL4800E 5575N	0.2	3.73	<3	25	<3	0.10	<0.1	9	23	12	6.12	0.16	0.07	221	24	0.09	<1	0.03	<2	<2	<2	3	<5	<3	80
BL4800E 5600N	0.4	0.89	38	33	<3	0.04	<0.1	2	10	7	0.95	0.02	0.04	53	11	0.02	12	0.15	<2	<2	<2	6	<5	<3	42
BL4800E 5625N	0.3	1.89	79	34	<3	0.07	<0.1	3	14	6	1.97	0.05	0.15	110	12	0.03	9	0.03	<2	<2	<2	8	<5	<3	51
BL4800E 5650N	0.6	2.54	9	49	<3	0.11	<0.1	5	20	16	5.08	0.12	0.21	228	15	0.04	10	0.04	<2	<2	<2	9	<5	<3	69
BL4800E 5675N	0.3	2.27	<3	18	<3	0.07	<0.1	9	19	9	4.67	0.11	0.07	135	20	0.06	5	0.02	<2	<2	<2	3	<5	<3	47
BL4800E 5700N	0.3	9.46	<3	18	<3	0.10	<0.1	6	31	15	5.77	0.18	0.06	199	27	0.08	8	0.02	<2	<2	<2	1	<5	<3	81
L5000E 5025N	0.2	1.72	1729	202	<3	0.12	<0.1	11	14	24	4.49	0.11	0.16	8521	34	0.06	8	0.06	419	<2	<2	8	<5	<3	701
L5000E 5050N	0.3	3.49	329	126	<3	0.07	<0.1	17	17	42	3.79	0.10	0.65	754	16	0.03	7	<0.01	<2	<2	<2	7	<5	<3	95
L5000E 5075N	0.3	2.58	606	75	<3	0.10	<0.1	9	16	23	4.51	0.11	0.28	1683	23	0.04	4	0.08	<2	<2	<2	5	<5	<3	83
L5000E 5100N	<0.1	2.35	950	328	<3	1.14	<0.1	17	15	28	3.88	0.17	0.43	4724	20	0.05	9	0.10	<2	<2	<2	56	<5	<3	136
L5000E 5125N	<0.1	3.57	1076	269	<3	0.34	<0.1	12	18	27	4.23	0.14	0.48	2948	23	0.04	6	0.04	<2	<2	<2	15	<5	<3	132
L5000N 4750N	0.2	3.39	373	352	<3	0.34	<0.1	18	22	46	4.39	0.15	0.86	1975	19	0.06	11	0.07	<2	<2	<2	27	<5	<3	416
L5000N 4775N	0.1	3.24	344	364	<3	0.28	0.3	19	37	56	4.82	0.16	0.81	4085	20	0.06	16	0.07	<2	<2	<2	21	<5	<3	334
L5000N 4800N	0.4	1.96	1360	578	<3	0.69	<0.1	16	16	43	4.84	0.18	0.64	6805	21	0.08	10	0.08	88	<2	<2	32	<5	<3	910
L5000N 4825N	0.2	2.75	756	472	<3	0.15	0.6	16	21	45	4.61	0.14	0.40	10272	21	0.07	7	0.02	73	<2	<2	10	<5	<3	638
L5000N 4850N	0.3	1.52	1348	698	<3	0.65	<0.1	16	16	31	3.82	0.15	0.46	10054	50	0.07	14	0.08	65	<2	<2	183	<5	<3	642
L5000N 4875N	0.4	3.56	723	63	<3	0.14	<0.1	12	23	30	5.67	0.16	0.27	3224	39	0.05	6	0.05	<2	<2	<2	13	<5	<3	181
L5000N 4900N	0.4	8.32	<3	66	<3	0.10	<0.1	16	32	41	4.74	0.16	0.23	4303	33	0.05	4	0.05	<2	<2	<2	7	<5	<3	145
L5000N 4950N	0.6	1.34	1539	>1000	<3	0.77	<0.1	15	12	34	3.71	0.17	0.48	15123	141	0.06	15	0.08	40	<2	<2	501	<5	<3	446
L5000N 4975N	0.4	1.88	1168	427	<3	0.63	<0.1	11	12	25	3.54	0.14	0.46	5322	43	0.07	11	0.08	115	<2	<2	517	<5	<3	740
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum | > - Greater Than Maximum | is - Insufficient Sample | ns - No Sample | ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested

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ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 900586 PA | PAMICON DEVELOPMENTS LTD. | PROJECT: KIRBY | DATE IN: SEPT 24 1990 | DATE OUT: OCT 24 1990 | ATTENTION: MR. STEVE TODORUK | PAGE 2 OF 3

Sample Name	Ag ppm	Al %	As 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	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
L5000N 5000E	1.2	1.69	>2000	947	<3	1.16	4.6	16	11	43	5.01	0.22	0.25	11717	38	0.10	14	0.11	430	<2	<2	145	<5	<3	1398
L5100N 4825E	<0.1	0.96	603	537	<3	3.06	0.1	4	10	23	1.46	0.16	0.19	3061	14	0.05	8	0.13	13	<2	<2	2859	<5	<3	443
L5100N 4850E	0.1	3.99	759	95	<3	0.10	<0.1	5	19	18	4.27	0.12	0.24	960	26	0.06	5	0.07	<2	<2	<2	23	<5	<3	238
L5100N 4875E	0.3	1.14	41	50	<3	0.18	1.4	8	14	14	5.11	0.12	0.06	1315	32	0.06	10	0.13	22	<2	<2	21	<5	<3	87
L5100N 4900E	0.4	2.92	211	55	<3	0.12	<0.1	8	23	26	5.97	0.14	0.23	862	28	0.05	12	0.08	<2	<2	<2	13	<5	<3	85
L5100N 4925E	0.1	2.51	488	154	<3	0.24	0.1	18	18	39	4.26	0.13	0.54	3764	19	0.05	12	0.05	<2	<2	<2	30	<5	<3	171
L5100N 4950E	0.3	2.29	410	124	<3	0.26	<0.1	18	15	38	3.85	0.11	0.49	3019	16	0.05	11	0.05	<2	<2	<2	20	<5	<3	183
L5100N 4975E	0.8	2.15	1107	166	<3	0.14	<0.1	13	15	21	4.59	0.12	0.19	6723	25	0.04	6	0.13	16	<2	<2	6	<5	<3	178
L5200N 4825E	0.3	2.23	793	254	<3	0.39	<0.1	14	13	26	3.63	0.12	0.55	3528	17	0.04	8	0.07	<2	<2	<2	96	<5	<3	224
L5200N 4850E	0.1	2.19	710	163	<3	0.18	<0.1	14	16	31	4.04	0.11	0.49	5225	16	0.05	5	0.09	12	<2	<2	12	<5	<3	300
L5200N 4875E	0.4	3.11	551	89	<3	0.26	<0.1	10	20	20	4.48	0.12	0.29	3484	24	0.05	6	0.08	<2	<2	<2	14	<5	<3	259
L5200N 4900E	<0.1	2.46	638	351	<3	0.65	<0.1	15	19	29	4.36	0.16	0.48	7141	19	0.06	7	0.11	13	<2	<2	34	<5	<3	335
L5200N 4925E	0.2	2.34	864	472	<3	0.91	0.8	17	19	34	4.53	0.19	0.56	8528	19	0.07	12	0.11	49	<2	<2	50	<5	<3	565
L5200N 4950E	0.1	1.85	931	614	<3	1.80	0.5	14	15	26	4.11	0.21	0.35	11992	21	0.07	7	0.19	74	<2	<2	83	<5	<3	725
L5200N 4975E	0.2	2.10	1215	537	<3	1.28	<0.1	16	13	37	4.37	0.21	0.52	10219	20	0.08	6	0.11	69	<2	<2	58	<5	<3	909
L5200N 5000E	0.1	2.86	835	428	<3	0.62	<0.1	19	16	45	4.46	0.18	0.66	5207	17	0.05	11	0.09	<2	<2	<2	31	<5	<3	256
L5200N 5025E	0.5	2.46	813	406	<3	1.20	<0.1	16	16	46	3.81	0.18	0.53	3654	15	0.05	6	0.10	<2	<2	<2	53	<5	<3	271
L5300N 4825E	0.4	2.81	10	25	<3	0.09	0.2	7	21	11	4.22	0.08	0.08	797	19	0.05	2	0.13	<2	<2	<2	6	<5	<3	62
L5300N 4850E	0.3	3.00	710	151	<3	0.07	<0.1	4	16	9	4.09	0.09	0.16	772	14	0.03	2	0.14	<2	<2	<2	16	<5	<3	48
L5300N 4875E	<0.1	4.12	224	42	<3	0.15	<0.1	10	31	23	9.23	0.24	0.28	513	28	0.06	5	0.04	<2	<2	<2	6	<5	<3	76
L5300N 4900E	0.3	4.41	1394	141	<3	0.11	<0.1	11	20	30	5.08	0.13	0.71	1087	28	0.04	11	0.06	<2	<2	<2	23	<5	<3	176
L5300N 4925E	0.6	3.89	603	156	<3	0.08	<0.1	7	20	14	3.58	0.09	0.64	675	22	0.04	4	0.04	<2	<2	<2	29	<5	<3	116
L5300N 4975E	0.3	2.07	637	345	<3	0.54	<0.1	17	18	19	3.46	0.13	0.51	5408	20	0.04	1	0.19	<2	<2	<2	26	<5	<3	185
L5300N 5000E	0.2	2.35	888	537	<3	0.92	<0.1	17	19	23	3.80	0.16	0.57	6589	20	0.05	8	0.17	<2	<2	<2	35	<5	<3	296
L5300N 5025E	0.1	1.88	551	446	<3	1.52	<0.1	17	16	19	3.03	0.18	0.63	4686	22	0.05	6	0.18	<2	<2	<2	59	<5	<3	184
L5300N 5050E	0.2	2.57	1114	493	<3	0.75	<0.1	20	18	27	4.10	0.16	0.60	5485	27	0.05	9	0.17	<2	<2	<2	66	<5	<3	197
L5300N 5075E	0.2	2.19	1373	488	<3	0.68	<0.1	18	15	27	3.91	0.15	0.60	4160	25	0.05	6	0.11	<2	<2	<2	56	<5	<3	189
L5400N 4825E	0.3	2.47	203	103	<3	0.10	<0.1	6	17	10	4.09	0.08	0.20	806	15	0.03	5	0.07	<2	<2	<2	9	<5	<3	73
L5400N 4850E	0.6	3.01	<3	43	<3	0.13	<0.1	6	23	14	5.35	0.12	0.08	374	20	0.04	4	0.07	<2	<2	<2	10	<5	<3	74
L5400N 4875E	0.2	4.60	<3	23	<3	0.12	0.9	9	25	9	5.75	0.15	0.07	1161	23	0.09	<1	0.06	<2	<2	<2	5	<5	<3	112
L5400N 4900E	0.5	3.32	<3	23	<3	0.14	<0.1	8	26	16	7.67	0.20	0.06	437	25	0.07	<1	0.07	<2	<2	<2	4	<5	<3	85
L5400N 4950E	0.1	2.17	207	205	<3	0.11	<0.1	8	19	10	4.48	0.09	0.20	1276	16	0.05	5	0.13	<2	<2	<2	12	<5	<3	93
L5400N 4975E	<0.1	2.82	349	174	<3	0.12	<0.1	8	20	16	5.17	0.12	0.21	819	18	0.04	5	0.12	<2	<2	<2	11	<5	<3	85
L5400N 5000E	<0.1	3.24	407	183	<3	0.10	<0.1	8	15	5	2.91	0.07	0.23	803	14	0.03	<1	0.07	<2	<2	<2	14	<5	<3	75
L5400N 5025E	0.5	2.38	965	627	<3	1.48	<0.1	11	18	17	4.65	0.23	0.46	13431	22	0.06	2	0.13	7	<2	<2	65	<5	<3	239
L5400N 5050E	<0.1	2.06	725	236	<3	0.53	<0.1	16	94	23	3.23	0.11	0.49	3418	21	0.04	17	0.19	<2	<2	<2	22	<5	<3	205
L5400N 5075E	<0.1	1.87	1139	342	<3	1.19	<0.1	16	15	31	3.34	0.15	0.50	3532	21	0.04	3	0.13	<2	<2	<2	59	<5	<3	215
L5500N 4825E	<0.1	3.15	<3	48	<3	0.15	<0.1	9	29	16	6.03	0.14	0.35	236	18	0.05	4	0.02	<2	<2	<2	8	<5	<3	69
L5500N 4850E	0.2	4.58	229	44	<3	0.15	<0.1	9	31	24	5.57	0.14	0.37	263	23	0.05	9	0.04	<2	<2	<2	9	<5	<3	74
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

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ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 900566 PA | PAMICON DEVELOPMENTS LTD. | PROJECT: KIRBY | DATE IN: SEPT 24 1990 | DATE OUT: OCT 24 1990 | ATTENTION: MR. STEVE TODORUK | PAGE 3 OF 3

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L5500N 4875E	0.1	3.65	<3	16	<3	0.12	2.1	10	24	11	7.12	0.18	0.09	285	24	0.09	10	0.02	<2	<2	<2	4	<5	<3	90
L5500N 4900E	0.2	3.57	<3	24	<3	0.13	1.1	9	27	16	8.18	0.20	0.13	176	23	0.06	11	0.03	<2	<2	<2	4	<5	<3	68
L5500N 4925E	0.6	3.05	<3	27	<3	0.07	1.1	6	23	13	4.22	0.09	0.14	152	19	0.04	10	0.03	<2	<2	<2	4	<5	<3	53
L5500N 4950E	0.7	2.79	688	61	<3	0.05	<0.1	4	16	19	2.58	0.06	0.39	641	15	0.03	7	0.05	<2	<2	<2	4	<5	<3	92
L5500N 4975E	0.8	2.68	652	102	<3	0.05	<0.1	2	16	13	2.68	0.06	0.33	294	16	0.03	5	0.07	<2	<2	<2	5	<5	<3	78
L5500N 5000E	0.7	2.52	540	91	<3	0.16	<0.1	3	16	16	2.56	0.07	0.37	398	17	0.03	7	0.20	<2	<2	<2	10	<5	<3	147
L5500N 5025E	0.5	1.76	721	170	<3	0.30	<0.1	11	15	16	3.67	0.11	0.25	4072	18	0.05	6	0.16	4	<2	<2	47	<5	<3	165
L5500N 5075E	0.2	2.42	945	135	<3	0.19	<0.1	9	17	18	4.33	0.11	0.23	5398	24	0.06	10	0.14	21	<2	<2	10	<5	<3	291
L5500N 5100E	0.3	4.01	1645	103	<3	0.15	<0.1	19	19	36	5.73	0.16	0.24	7276	37	0.07	12	0.08	25	<2	<2	7	<5	<3	633
L5500N 5125E	0.4	2.33	1749	179	<3	0.71	<0.1	7	17	15	7.32	0.22	0.13	7773	34	0.06	9	0.10	10	<2	<2	25	<5	<3	274
L5600N 4825E	0.4	3.50	<3	30	<3	0.12	1.9	8	23	16	6.53	0.15	0.21	216	22	0.04	8	0.03	<2	<2	<2	6	<5	<3	63
L5600N 4850E	<0.1	7.35	<3	19	<3	0.11	1.3	10	30	13	5.98	0.18	0.09	578	27	0.10	6	0.04	<2	<2	<2	2	<5	<3	92
L5600N 4875E	0.3	2.99	<3	13	<3	0.13	2.5	9	27	14	8.74	0.21	0.05	225	25	0.08	9	0.04	<2	<2	<2	3	<5	<3	73
L5600N 4900E	0.2	4.36	<3	48	<3	0.15	0.7	9	33	28	7.18	0.18	0.42	374	22	0.05	8	0.03	<2	<2	<2	11	<5	<3	89
L5600N 4925E	1.2	2.75	32	35	<3	0.08	1.0	5	17	17	3.01	0.08	0.24	199	15	0.05	6	0.09	<2	<2	<2	7	<5	<3	66
L5600N 4950E	0.6	2.40	151	67	<3	0.08	0.1	9	15	22	2.89	0.08	0.26	4683	16	0.05	7	0.07	<2	<2	<2	8	<5	<3	103
L5600N 4975E	0.7	7.19	<3	78	<3	0.10	0.3	8	26	26	5.27	0.15	0.10	375	27	0.07	5	0.11	<2	<2	<2	4	<5	<3	75
L5600N 5000E	0.2	6.95	<3	44	<3	0.10	<0.1	5	30	31	4.81	0.13	0.25	348	21	0.03	4	0.06	<2	<2	<2	5	<5	<3	92
L5600N 5025E	0.5	5.37	<3	28	<3	0.10	1.1	7	25	19	4.91	0.14	0.09	1189	24	0.09	4	0.06	<2	<2	<2	3	<5	<3	98
L5600N 5050E	0.4	2.52	1813	565	<3	0.66	<0.1	12	16	30	5.32	0.20	0.33	9484	25	0.08	8	0.10	107	<2	<2	59	<5	<3	772
L5600N 5075E	0.4	2.38	>2000	455	<3	0.47	6.4	11	17	33	5.62	0.19	0.27	16871	34	0.11	16	0.15	218	<2	<2	26	<5	<3	1493
L5600N 5100E	0.6	1.53	>2000	>1000	<3	0.92	<0.1	12	12	28	6.82	0.25	0.13	19708	39	0.14	10	0.20	690	<2	<2	791	<5	<3	1991
L5600N 5125E	0.4	1.48	>2000	143	<3	0.21	<0.1	5	12	9	6.02	0.13	0.14	1501	42	0.05	7	0.04	127	<2	<2	19	<5	<3	477
L5700N 4825E	0.3	3.80	<3	13	<3	0.13	0.8	9	23	11	7.19	0.19	0.05	322	27	0.11	6	0.02	<2	<2	<2	2	<5	<3	98
L5700N 4850E	0.5	3.05	<3	12	<3	0.13	2.4	11	28	8	7.80	0.19	0.06	244	27	0.09	7	0.02	<2	<2	<2	3	<5	<3	91
L5700N 4875E	0.5	3.16	<3	24	<3	0.15	1.5	12	28	17	8.89	0.21	0.20	434	26	0.09	12	0.03	<2	<2	<2	6	<5	<3	90
L5700N 4900E	0.7	4.02	<3	65	<3	0.09	1.2	7	17	11	7.33	0.18	0.19	119	19	0.04	5	0.04	<2	<2	<2	2	<5	<3	31
L5700N 4925E	0.5	7.34	<3	65	<3	0.18	1.4	12	37	22	7.32	0.21	0.41	753	24	0.06	10	0.03	<2	<2	<2	11	<5	<3	196
L5700N 4950E	0.4	4.29	<3	17	<3	0.11	0.5	14	24	9	4.78	0.13	0.12	713	23	0.09	4	0.04	<2	<2	<2	4	<5	<3	76
L5700N 4975E	0.4	3.42	164	311	<3	0.49	0.3	12	20	33	4.21	0.15	0.68	888	17	0.07	11	0.09	14	<2	<2	73	<5	<3	340
L5700N 5000E	0.3	3.30	358	202	<3	0.15	1.6	15	22	28	4.36	0.13	0.68	5036	24	0.06	10	0.10	13	<2	<2	16	<5	<3	346
L5700N 5025E	0.3	2.38	1498	547	<3	1.00	<0.1	16	17	22	4.75	0.19	0.80	10340	52	0.08	10	0.14	100	<2	<2	132	<5	<3	742
L5700N 5050E	0.3	2.80	685	298	<3	0.81	<0.1	11	20	19	4.25	0.17	0.56	3976	26	0.07	9	0.13	28	<2	<2	51	<5	<3	364
L5700N 5075E	0.2	2.78	1738	356	<3	0.47	<0.1	14	17	24	5.75	0.18	0.41	6868	32	0.08	9	0.15	121	<2	<2	26	<5	<3	714
L5700N 5100E	0.2	3.10	1012	353	<3	0.43	<0.1	13	18	25	4.75	0.15	0.45	6574	31	0.06	7	0.14	66	<2	<2	21	<5	<3	498
L5700N 5125E	0.5	2.29	1169	440	<3	0.34	<0.1	17	20	29	5.29	0.16	0.46	9332	31	0.06	9	0.15	162	<2	<2	17	<5	<3	569
L5700N 5150E	0.5	2.32	1489	468	<3	1.14	<0.1	12	16	31	4.50	0.19	0.66	6245	31	0.08	9	0.18	152	<2	<2	40	<5	<3	763
L5700N 5175E	<0.1	2.16	1112	537	<3	1.25	<0.1	16	14	24	4.17	0.19	0.81	5588	29	0.07	12	0.17	104	<2	<2	67	<5	<3	659
L5700N 5200E	<0.1	0.94	1840	491	<3	2.47	<0.1	15	16	28	4.11	0.22	0.26	4933	37	0.08	22	0.20	197	7	<2	87	<5	<3	933
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< = Less Than Minimum > = Greater Than Maximum is = Insufficient Sample ns = No Sample UNUSUAL RESULTS Further Analysis By Alternate Methods Requested

VGC VANGEOCHEM LAB LIMITED

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BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: PAMICON DEVELOPMENTS LTD.
ADDRESS: 711 - 675 W. Hastings St.
: Vancouver, BC
: V6B 1N4

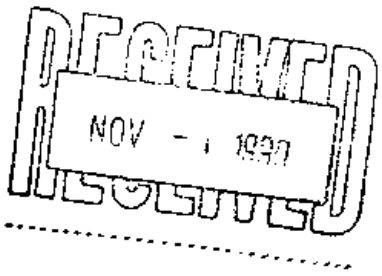
DATE: OCT 12 1990

REPORT#: 900581 GA
JOB#: 900581

PROJECT#: KIRBY
SAMPLES ARRIVED: SEPT 24 1990
REPORT COMPLETED: OCT 12 1990
ANALYSED FOR: Au ICP

INVOICE#: 900581 NA
TOTAL SAMPLES: 64
SAMPLE TYPE: 64 SOIL
REJECTS: DISCARDED

SAMPLES FROM: BRONSON CAMP
COPY SENT TO: PAMICON DEVELOPMENTS LTD.



PREPARED FOR: MR. STEVE TODORUK

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: RESULTS FAXED TO MR. DONALD PENNER & BRONSON CAMP.

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BRANCH OFFICES
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RENO, NEVADA, U.S.A.

REPORT NUMBER: 900581 GA JOB NUMBER: 900581 **PANICON DEVELOPMENTS LTD.**

SAMPLE #	Au ppb
L4700N 4800E	nd
L4700N 4825E	nd
L4700N 4850E	nd
L4700N 4875E	10
L4700N 4900E	15
L4700N 4925E	20
L4700N 4950E	15
L4700N 4975E	15
L4700N 5025E	5
L4700N 5050E	20
L4700N 5075E	5
L4700N 5100E	10
L4800N 4750E	15
L4800N 4775E	nd
L4800N 4800E	5
L4800N 4825E	5
L4800N 4850E	nd
L4800N 4875E	10
L4800N 4900E	5
L4800N 4925E	5
L4800N 4950E	nd
L4800N 4975E	10
L4800N 5025E	nd
L4800N 5050E	nd
L4800N 5075E	15
L4900N 4750E	nd
L4900N 4775E	nd
L4900N 4800E	nd
L4900N 4825E	5
L4900N 4850E	10
L4900N 4875E	5
L4900N 4900E	10
L4900N 4925E	nd
L4900N 4950E	nd
L4900N 4975E	nd
L4900N 5025E	nd
L4900N 5050E	nd
L4900N 5075E	10
L4900N 5100E	nd
DETECTION LIMIT	5

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

VGC VANGEOCHEM LAB LIMITED

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BRANCH OFFICES
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REPORT NUMBER: 900561 GA JOB NUMBER: 900561 PANICON DEVELOPMENTS LTD. PAGE 2 OF 2

SAMPLE #	Au ppb
L4900N 5125E	10
B/L5000E 4700N	nd
B/L5000E 4725N	nd
B/L5000E 4750N	nd
B/L5000E 4775N	5
B/L5000E 4800N	5
B/L5000E 4825N	nd
B/L5000E 4850N	nd
B/L5000E 4875N	nd
B/L5000E 4900N	nd
B/L5000E 4925N	10
B/L5000E 4950N	nd
B/L5000E 4975N	nd
L5100E 4750E	15
L5100E 4775E	5
L5200N 4700E	nd
L5200N 4725E	10
L5200N 4750E	10
L5200N 4775E	nd
L5300N 4700E	15
L5300N 4725E	5
L5300N 4750E	nd
L5300N 4775E	5
L5400N 4750E	nd
L5400N 4775E	nd

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

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ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sr, Sr and W.

REPORT #: 900581 PA | PANICON DEVELOPMENTS LTD. | PROJECT: KIRBY | DATE IN: SEPT 24 1990 | DATE OUT: OCT 31 1990 | ATTENTION: MR. STEVE TOOSRUP |

Sample Name	Ag ppm	Al %	As 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	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
L4700N 4800E	0.5	3.43	<3	56	<3	0.06	1.5	7	16	27	3.78	0.04	0.29	1362	14	0.05	17	0.04	<2	<2	<2	7	<5	<3	97
L4700N 4825E	0.7	2.55	17	133	<3	0.18	1.8	7	15	22	3.40	0.07	0.26	5637	19	0.06	12	0.10	<2	<2	<2	25	<5	<3	118
L4700N 4850E	<0.1	3.43	190	71	<3	0.07	0.3	7	21	21	4.10	0.05	0.34	1232	20	0.06	16	0.05	<2	<2	<2	8	<5	<3	132
L4700N 4875E	<0.1	3.06	553	291	<3	0.32	<0.1	8	19	19	4.82	0.12	0.18	3158	22	0.10	13	0.07	<2	<2	<2	22	<5	<3	128
L4700N 4900E	<0.1	3.11	<3	35	<3	0.10	3.1	5	25	20	9.24	0.16	0.16	869	23	0.12	16	0.04	<2	<2	<2	6	<5	<3	83
L4700N 4925E	<0.1	3.74	762	93	<3	0.05	<0.1	10	21	28	4.64	0.08	0.28	8654	19	0.09	12	0.03	54	<2	<2	4	<5	<3	435
L4700N 4950E	<0.1	5.10	243	51	<3	0.05	0.7	6	20	21	5.05	0.09	0.19	2025	24	0.10	16	0.07	<2	<2	<2	4	<5	<3	180
L4700N 4975E	0.2	2.30	<3	44	<3	0.09	2.1	6	20	18	7.48	0.10	0.31	443	19	0.08	19	0.04	<2	<2	<2	8	<5	<3	81
L4700N 5025E	<0.1	7.06	238	51	<3	0.07	0.9	9	24	25	3.91	0.07	0.21	1909	25	0.07	16	0.04	66	<2	<2	8	<5	<3	189
L4700N 5050E	<0.1	1.87	<3	17	<3	0.07	2.2	9	21	15	8.76	0.14	0.06	344	25	0.13	14	0.03	27	4	<2	4	<5	<3	73
L4700N 5075E	<0.1	3.43	<3	29	<3	0.05	1.2	8	20	15	5.18	0.08	0.12	480	19	0.09	16	0.05	<2	<2	<2	4	<5	<3	61
L4700N 5100E	<0.1	4.42	<3	38	<3	0.08	2.4	7	24	19	8.58	0.15	0.25	508	19	0.10	14	0.01	<2	<2	<2	6	<5	<3	65
L4800N 4750E	<0.1	3.86	157	107	<3	0.07	0.6	7	20	22	3.61	0.06	0.55	1692	18	0.07	15	0.06	<2	<2	<2	9	<5	<3	183
L4800N 4775E	<0.1	3.57	59	69	<3	0.06	0.3	8	16	26	3.91	0.06	0.49	2279	18	0.06	15	0.08	<2	<2	<2	6	<5	<3	152
L4800N 4800E	<0.1	4.11	<3	38	<3	0.06	1.3	4	16	22	5.40	0.09	0.22	547	18	0.07	13	0.04	<2	<2	<2	5	<5	<3	77
L4800N 4825E	<0.1	3.87	<3	31	<3	0.05	1.3	<1	19	20	6.58	0.10	0.10	413	25	0.10	8	0.04	<2	<2	<2	3	<5	<3	82
L4800N 4850E	<0.1	2.56	1604	608	<3	0.34	<0.1	15	15	37	4.20	0.12	0.26	14508	43	0.14	15	0.07	62	<2	<2	32	<5	<3	598
L4800N 4875E	<0.1	4.47	149	38	<3	0.06	<0.1	7	18	17	5.64	0.11	0.07	1004	24	0.10	15	0.04	<2	<2	<2	4	<5	<3	92
L4800N 4900E	<0.1	2.27	992	37	<3	0.05	<0.1	4	16	11	6.76	0.09	0.09	1273	25	0.09	9	0.04	6	<2	<2	4	<5	<3	86
L4800N 4925E	<0.1	3.25	349	57	<3	0.05	<0.1	7	19	18	4.94	0.08	0.09	8819	33	0.08	11	0.07	<2	<2	<2	4	<5	<3	114
L4800N 4950E	0.2	2.83	497	43	<3	0.06	<0.1	5	21	16	6.67	0.09	0.25	1739	27	0.07	14	0.04	21	<2	<2	5	<5	<3	137
L4800N 4975E	<0.1	4.16	477	126	<3	0.08	0.5	5	17	17	5.19	0.07	0.28	2986	26	0.07	14	0.06	<2	<2	<2	6	<5	<3	292
L4800N 5025E	<0.1	5.21	730	820	<3	0.23	<0.1	10	18	20	6.14	0.18	0.46	>20000	25	0.15	9	0.13	<2	<2	<2	12	<5	<3	503
L4800N 5050E	<0.1	1.19	1434	737	<3	0.56	<0.1	6	8	13	2.68	0.09	0.40	5392	17	0.21	11	0.07	63	<2	<2	32	<5	<3	1512
L4800N 5075E	<0.1	0.22	1544	563	<3	4.47	<0.1	5	6	14	2.65	0.20	0.12	5067	16	0.16	12	0.12	116	17	<2	546	<5	<3	1258
L4900N 4750E	<0.1	2.94	116	53	<3	0.07	1.1	11	16	20	5.92	0.08	0.37	2012	18	0.08	12	0.03	<2	<2	<2	9	<5	<3	107
L4900N 4775E	<0.1	2.82	<3	14	<3	0.04	1.1	5	14	8	5.06	0.07	0.06	382	16	0.10	8	0.03	<2	<2	<2	3	<5	<3	50
L4900N 4800E	<0.1	2.59	<3	26	<3	0.04	<0.1	7	15	11	4.22	0.05	0.12	2823	16	0.08	8	0.06	<2	<2	<2	5	<5	<3	71
L4900N 4825E	<0.1	3.90	<3	29	<3	0.04	0.6	4	16	13	4.64	0.07	0.10	1979	19	0.09	12	0.19	<2	<2	<2	2	<5	<3	79
L4900N 4850E	<0.1	3.45	<3	26	<3	0.04	1.0	5	17	12	5.49	0.08	0.09	680	20	0.09	8	0.05	<2	<2	<2	3	<5	<3	73
L4900N 4875E	<0.1	4.45	294	61	<3	0.06	<0.1	5	20	20	7.33	0.12	0.31	864	19	0.07	11	0.05	<2	<2	<2	6	<5	<3	162
L4900N 4900E	<0.1	3.50	78	79	<3	0.15	0.1	15	19	32	4.04	0.07	0.46	3337	16	0.08	19	0.07	<2	<2	<2	13	<5	<3	199
L4900N 4925E	<0.1	2.96	381	49	<3	0.03	<0.1	4	15	11	4.80	0.07	0.19	1099	24	0.05	8	0.05	<2	<2	<2	5	<5	<3	116
L4900N 4950E	<0.1	1.52	35	46	<3	0.06	0.2	3	10	7	3.38	0.02	0.16	194	13	0.03	9	0.04	<2	<2	<2	10	<5	<3	61
L4900N 4975E	<0.1	3.38	303	98	<3	0.08	<0.1	9	18	24	5.91	0.09	0.26	2075	23	0.08	14	0.13	7	<2	<2	10	<5	<3	159
L4900N 5025E	<0.1	3.02	189	88	<3	0.08	<0.1	16	13	36	4.09	0.07	0.34	4382	15	0.05	11	0.13	<2	<2	<2	9	<5	<3	152
L4900N 5050E	<0.1	2.12	1453	178	<3	0.42	<0.1	17	8	20	4.74	0.11	0.21	10223	22	0.10	13	0.12	112	<2	<2	38	<5	<3	555
L4900N 5075E	0.2	4.97	20	74	<3	0.05	<0.1	6	17	29	4.95	0.07	0.32	912	17	0.05	13	0.04	<2	<2	<2	6	<5	<3	99
L4900N 5100E	<0.1	2.24	<3	51	<3	0.03	<0.1	5	16	10	4.80	0.06	0.19	263	17	0.05	13	0.02	<2	<2	<2	5	<5	<3	64
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VANGEOCHEM LAB LIMITED

1630 Pandora Street, Vancouver, B.C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 900581 PA | PAMICON DEVELOPMENTS LTD. | PROJECT: KIRBY | DATE IN: SEPT 24 1990 | DATE OUT: OCT 31 1990 | ATTENTION: MR. STEVE TODDRUK | PAGE 2 OF 3

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L4900N 5125E	0.2	2.35	<3	60	<3	0.06	2.3	8	17	15	5.60	0.10	0.12	988	20	0.08	17	0.08	<2	<2	<2	6	<5	<3	69
B/L5000E 4700N	0.3	2.92	<3	13	<3	0.09	3.0	7	24	13	>10.00	0.22	0.08	454	52	0.16	16	0.03	22	3	<2	3	<5	<3	65
B/L5000E 4725N	<0.1	3.44	1317	107	<3	0.07	<0.1	10	21	21	5.53	0.11	0.22	10850	42	0.14	18	0.05	136	<2	<2	5	<5	<3	713
B/L5000E 4750N	<0.1	3.22	347	41	<3	0.06	0.8	9	23	18	6.15	0.11	0.17	1374	38	0.10	17	0.04	35	<2	<2	4	<5	<3	139
B/L5000E 4775N	<0.1	2.64	1572	319	<3	0.26	3.2	6	16	12	3.65	0.10	0.38	9054	28	0.16	18	0.07	302	<2	<2	10	<5	<3	1114
B/L5000E 4800N	<0.1	2.48	1186	275	<3	0.09	6.5	7	15	9	4.53	0.08	0.10	>20000	44	0.13	13	0.04	301	<2	<2	3	<5	<3	813
B/L5000E 4825N	<0.1	3.77	366	130	<3	0.31	0.2	6	19	15	4.46	0.11	0.36	8077	19	0.08	20	0.09	<2	<2	<2	15	<5	<3	349
B/L5000E 4850N	<0.1	1.17	1609	>1000	<3	1.30	0.7	9	10	14	4.24	0.19	0.24	14683	21	0.18	15	0.17	123	<2	<2	84	<5	<3	1392
B/L5000E 4875N	<0.1	2.01	646	306	<3	0.47	1.1	13	16	21	3.67	0.11	0.56	3970	26	0.08	18	0.13	58	<2	<2	52	<5	<3	428
B/L5000E 4900N	<0.1	1.13	7	67	<3	0.06	1.5	4	13	13	3.14	0.03	0.11	225	11	0.04	14	0.12	<2	<2	<2	11	<5	<3	60
B/L5000E 4925N	<0.1	2.55	983	192	<3	0.22	<0.1	9	13	20	3.92	0.09	0.24	5552	16	0.10	14	0.15	47	<2	<2	13	<5	<3	541
B/L5000E 4950N	<0.1	1.60	>2000	568	<3	1.75	<0.1	10	11	27	3.78	0.19	0.27	6840	21	0.12	14	0.11	106	<2	<2	328	<5	<3	960
B/L5000E 4975N	<0.1	2.54	1376	86	<3	0.08	<0.1	3	11	13	3.83	0.06	0.17	1978	33	0.06	6	0.02	123	<2	<2	10	<5	<3	322
L5100N 4750E	<0.1	2.94	177	462	<3	0.33	1.8	22	22	72	5.33	0.13	1.26	2917	15	0.09	23	0.08	<2	<2	<2	28	<5	<3	160
L5100N 4775E	<0.1	3.19	494	245	<3	0.20	0.4	14	16	43	4.31	0.08	0.70	1214	20	0.08	17	0.09	<2	<2	<2	39	<5	<3	219
L5200N 4700E	<0.1	3.12	25	376	<3	0.29	2.8	20	20	65	5.27	0.13	1.09	2861	13	0.09	19	0.07	<2	<2	<2	32	<5	<3	155
L5200N 4725E	<0.1	3.11	32	342	<3	0.28	1.7	20	20	62	5.03	0.12	1.07	1932	13	0.08	20	0.08	<2	<2	<2	33	<5	<3	151
L5200N 4750E	<0.1	3.53	39	157	<3	0.14	1.4	15	16	40	4.57	0.09	0.55	1405	17	0.10	10	0.09	<2	<2	<2	47	<5	<3	165
L5200N 4775E	<0.1	3.38	147	266	<3	0.24	2.2	22	21	66	5.66	0.13	1.06	1643	18	0.10	18	0.09	<2	<2	<2	106	<5	<3	188
L5300N 4700E	<0.1	2.92	<3	419	<3	0.41	2.5	22	22	68	5.29	0.14	1.27	2183	13	0.08	22	0.08	<2	<2	<2	56	<5	<3	131
L5300N 4725E	<0.1	3.32	<3	160	<3	0.13	1.3	15	17	42	4.71	0.09	0.70	1054	14	0.08	17	0.10	<2	<2	<2	26	<5	<3	142
L5300N 4750E	0.2	3.03	448	242	<3	0.13	<0.1	13	16	46	4.99	0.09	0.65	1632	14	0.06	7	0.09	<2	<2	<2	51	<5	<3	96
L5300N 4775E	<0.1	3.43	284	208	<3	0.16	0.5	15	13	47	4.32	0.10	0.70	699	12	0.08	8	0.10	<2	<2	<2	73	<5	<3	117
L5400N 4750E	<0.1	3.58	32	233	<3	0.22	1.3	17	16	49	4.88	0.12	0.74	1491	15	0.09	11	0.07	<2	<2	<2	56	<5	<3	128
L5400N 4775E	<0.1	2.29	353	169	<3	0.11	0.1	11	11	31	4.00	0.06	0.43	393	10	0.06	8	0.06	<2	<2	<2	58	<5	<3	100
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
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BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

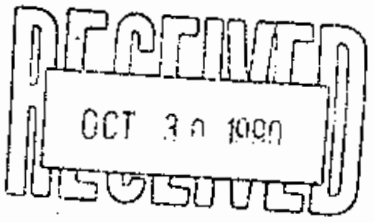
CLIENT: PAMICON DEVELOPMENTS LTD.
ADDRESS: 711 - 675 W. Hastings St.
: Vancouver, BC
: V6B 1N4

DATE: OCT 05 1990
REPORT#: 900566 GA
JOB#: 900566

PROJECT#: KIRBY
SAMPLES ARRIVED: SEPT 24 1990
REPORT COMPLETED: OCT 05 1990
ANALYSED FOR: Au ICP

INVOICE#: 900566 NA
TOTAL SAMPLES: 117
SAMPLE TYPE: 117 SOIL
REJECTS: DISCARDED

SAMPLES FROM: BRONSON CAMP
COPY SENT TO: PAMICON DEVELOPMENTS LTD.



PREPARED FOR: MR. STEVE TODORUK

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: RESULTS FAXED TO MR. DONALD PENNER & BRONSON CAMP.

VGC VANGEOCHEM LAB LIMITED

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BRANCH OFFICES
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RENO, NEVADA, U.S.A.

REPORT NUMBER: 900566 GA JOB NUMBER: 900566 PANICOR DEVELOPMENTS LTD. PAGE 1 OF 3

SAMPLE #	Au ppb
BL4800E 5100N	nd
BL4800E 5125N	nd
BL4800E 5150N	nd
BL4800E 5175N	5
BL4800E 5200N	15
BL4800E 5225N	10
BL4800E 5250N	nd
BL4800E 5275N	nd
BL4800E 5300N	15
BL4800E 5325N	15
BL4800E 5350N	10
BL4800E 5375N	nd
BL4800E 5400N	15
BL4800E 5425N	nd
BL4800E 5450N	nd
BL4800E 5475N	5
BL4800E 5500N	nd
BL4800E 5525N	5
BL4800E 5550N	nd
BL4800E 5575N	20
BL4800E 5600N	15
BL4800E 5625N	nd
BL4800E 5650N	10
BL4800E 5675N	nd
BL4800E 5700N	nd
L5000E 5025N	20
L5000E 5050N	nd
L5000E 5075N	10
L5000E 5100N	5
L5000E 5125N	nd
L5000N 4750E	10
L5000N 4775E	10
L5000N 4800E	15
L5000N 4825E	10
L5000N 4850E	nd
L5000N 4875E	10
L5000N 4900E	20
L5000N 4950E	10
L5000N 4975E	15
DETECTION LIMIT	5

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

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SAMPLE #	Au ppb
L5040N 5000E	5
L5100N 4825E	15
L5100N 4850E	5
L5100N 4875E	nd
L5100N 4900E	nd
L5100N 4925E	nd
L5100N 4950E	5
L5100N 4975E	nd
L5200N 4825E	nd
L5200N 4850E	15
L5200N 4875E	nd
L5200N 4900E	20
L5200N 4925E	nd
L5200N 4950E	10
L5200N 4975E	5
L5200N 5000E	nd
L5200N 5025E	nd
L5300N 4825E	15
L5300N 4850E	15
L5300N 4875E	nd
L5300N 4900E	nd
L5300N 4925E	nd
L5300N 4975E	nd
L5300N 5000E	5
L5300N 5025E	5
L5300N 5050E	nd
L5300N 5075E	nd
L5400N 4825E	10
L5400N 4850E	20
L5400N 4875E	15
L5400N 4900E	20
L5400N 4950E	nd
L5400N 4975E	10
L5400N 5000E	nd
L5400N 5025E	nd
L5400N 5050E	15
L5400N 5075E	10
L5500N 4825E	5
L5500N 4850E	nd
DETECTION LIMIT	5

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

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BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

SAMPLE #	Au ppb
L5500N 4875E	20
L5500N 4900E	nd
L5500N 4925E	nd
L5500N 4950E	10
L5500N 4975E	nd
L5500N 5000E	nd
L5500N 5025E	10
L5500N 5075E	5
L5500N 5100E	nd
L5500N 5125E	5
L5600N 4825E	nd
L5600N 4850E	nd
L5600N 4875E	10
L5600N 4900E	5
L5600N 4925E	nd
L5600N 4950E	10
L5600N 4975E	nd
L5600N 5000E	nd
L5600N 5025E	nd
L5600N 5050E	nd
L5600N 5075E	5
L5600N 5100E	15
L5600N 5125E	10
L5700N 4825E	15
L5700N 4850E	5
L5700N 4875E	5
L5700N 4900E	10
L5700N 4925E	nd
L5700N 4950E	nd
L5700N 4975E	nd
L5700N 5000E	nd
L5700N 5025E	5
L5700N 5050E	10
L5700N 5075E	15
L5700N 5100E	nd
L5700N 5125E	20
L5700N 5150E	5
L5700N 5175E	20
L5700N 5200E	nd
DETECTION LIMIT	5

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

1630 Pandora Street, Vancouver .C. V5L 1L6
Ph:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 900566 PA | PAMICON DEVELOPMENTS LTD. | PROJECT: KIRBY | DATE IN: SEPT 24 1990 | DATE OUT: OCT 24 1990 | ATTENTION: MR. STEVE TODORUK | PAGE 1 OF 3

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
BL4800E 5100N	0.4	2.45	373	352	<3	0.36	<0.1	19	20	43	4.59	0.14	0.78	3385	17	0.05	14	0.06	<2	<2	<2	44	<5	<3	221
BL4800E 5125N	0.4	3.43	307	320	<3	0.32	<0.1	17	21	50	4.41	0.14	0.82	1905	21	0.06	6	0.06	<2	<2	<2	33	<5	<3	287
BL4800E 5150N	<0.1	2.58	506	359	<3	0.37	<0.1	20	20	60	4.91	0.15	0.94	3068	20	0.06	15	0.09	6	<2	<2	39	<5	<3	379
BL4800E 5175N	<0.1	2.18	437	332	<3	0.46	<0.1	18	18	43	4.34	0.14	0.90	2914	18	0.06	17	0.09	<2	<2	<2	121	<5	<3	294
BL4800E 5200N	0.1	2.70	380	215	<3	0.31	<0.1	18	19	50	4.41	0.13	0.81	1854	21	0.05	12	0.09	<2	<2	<2	120	<5	<3	203
BL4800E 5225N	0.1	2.57	144	48	<3	0.10	<0.1	9	20	19	4.40	0.10	0.45	288	21	0.05	7	0.12	<2	<2	<2	11	<5	<3	86
BL4800E 5250N	<0.1	1.00	41	31	<3	0.11	<0.1	10	13	9	4.86	0.10	0.10	319	19	0.05	5	0.08	23	3	<2	12	<5	<3	65
BL4800E 5275N	<0.1	2.34	12	43	<3	0.12	<0.1	6	20	13	7.02	0.15	0.15	316	19	0.04	3	0.04	<2	<2	<2	15	<5	<3	70
BL4800E 5300N	<0.1	2.99	8	72	<3	0.10	<0.1	7	21	16	4.77	0.11	0.22	436	20	0.04	4	0.22	<2	<2	<2	26	<5	<3	78
BL4800E 5325N	0.2	2.64	239	101	<3	0.15	<0.1	11	21	19	5.31	0.14	0.40	548	16	0.05	9	0.05	<2	<2	<2	42	<5	<3	92
BL4800E 5350N	0.1	2.82	24	35	<3	0.13	<0.1	10	22	14	7.85	0.19	0.12	638	23	0.07	3	0.10	<2	<2	<2	13	<5	<3	83
BL4800E 5375N	0.3	2.89	17	54	<3	0.13	<0.1	7	22	25	7.78	0.19	0.21	512	22	0.05	3	0.05	<2	<2	<2	13	<5	<3	109
BL4800E 5400N	0.6	3.23	<3	54	<3	0.10	<0.1	11	20	16	4.69	0.13	0.14	5217	21	0.07	2	0.09	<2	<2	<2	14	<5	<3	130
BL4800E 5425N	0.4	1.77	1060	115	<3	0.11	<0.1	51	13	20	5.18	0.12	0.11	5228	15	0.04	6	0.16	28	<2	<2	17	<5	<3	62
BL4800E 5450N	0.1	1.37	52	66	<3	0.04	<0.1	3	12	7	1.69	0.04	0.09	105	10	0.02	2	0.06	<2	<2	<2	8	<5	<3	32
BL4800E 5475N	0.7	1.97	153	131	<3	0.07	<0.1	3	13	12	1.40	0.03	0.06	109	13	0.02	3	0.11	<2	<2	<2	12	<5	<3	67
BL4800E 5500N	<0.1	4.10	<3	32	<3	0.11	<0.1	9	28	15	6.35	0.17	0.15	433	25	0.08	5	0.03	<2	<2	<2	4	<5	<3	92
BL4800E 5525N	0.2	3.19	<3	29	<3	0.13	<0.1	8	27	20	6.46	0.16	0.29	351	21	0.06	7	0.02	<2	<2	<2	7	<5	<3	86
BL4800E 5550N	0.1	2.91	7	67	<3	0.15	<0.1	16	24	12	4.46	0.13	0.21	2415	19	0.07	5	0.08	<2	<2	<2	9	<5	<3	104
BL4800E 5575N	0.2	3.73	<3	25	<3	0.10	<0.1	9	23	12	6.12	0.16	0.07	221	24	0.09	<1	0.03	<2	<2	<2	3	<5	<3	80
BL4800E 5600N	0.4	0.89	38	33	<3	0.04	<0.1	2	10	7	0.95	0.02	0.04	53	11	0.02	12	0.15	<2	<2	<2	6	<5	<3	42
BL4800E 5625N	0.3	1.89	79	34	<3	0.07	<0.1	3	14	6	1.97	0.05	0.15	110	12	0.03	9	0.03	<2	<2	<2	8	<5	<3	51
BL4800E 5650N	0.6	2.54	9	49	<3	0.11	<0.1	5	20	16	5.08	0.12	0.21	228	15	0.04	10	0.04	<2	<2	<2	9	<5	<3	69
BL4800E 5675N	0.3	2.27	<3	18	<3	0.07	<0.1	9	19	9	4.67	0.11	0.07	135	20	0.06	5	0.02	<2	<2	<2	3	<5	<3	47
BL4800E 5700N	0.3	9.46	<3	18	<3	0.10	<0.1	6	31	15	5.77	0.18	0.06	199	27	0.08	8	0.02	<2	<2	<2	1	<5	<3	81
L5000E 5025N	0.2	1.72	1729	202	<3	0.12	<0.1	11	14	24	4.49	0.11	0.16	8521	34	0.06	8	0.06	419	<2	<2	8	<5	<3	701
L5000E 5050N	0.3	3.49	329	126	<3	0.07	<0.1	17	17	42	3.79	0.10	0.65	754	16	0.03	7	<0.01	<2	<2	<2	7	<5	<3	95
L5000E 5075N	0.3	2.58	606	75	<3	0.10	<0.1	9	16	23	4.51	0.11	0.28	1683	23	0.04	4	0.08	<2	<2	<2	5	<5	<3	83
L5000E 5100N	<0.1	2.35	950	328	<3	1.14	<0.1	17	15	28	3.88	0.17	0.43	4724	20	0.05	9	0.10	<2	<2	<2	56	<5	<3	136
L5000E 5125N	<0.1	3.57	1076	269	<3	0.34	<0.1	12	18	27	4.23	0.14	0.48	2948	23	0.04	6	0.04	<2	<2	<2	15	<5	<3	132
L5000N 4750N	0.2	3.39	373	352	<3	0.34	<0.1	18	22	46	4.39	0.15	0.86	1975	19	0.06	11	0.07	<2	<2	<2	27	<5	<3	416
L5000N 4775N	0.1	3.24	344	364	<3	0.28	0.3	19	37	56	4.82	0.16	0.81	4085	20	0.06	16	0.07	<2	<2	<2	21	<5	<3	334
L5000N 4800N	0.4	1.96	1360	578	<3	0.69	<0.1	16	16	43	4.84	0.18	0.64	6805	21	0.08	10	0.08	88	<2	<2	32	<5	<3	910
L5000N 4825N	0.2	2.75	756	472	<3	0.15	0.6	16	21	45	4.61	0.14	0.40	10272	21	0.07	7	0.02	73	<2	<2	10	<5	<3	638
L5000N 4850N	0.3	1.52	1348	698	<3	0.65	<0.1	16	16	31	3.82	0.15	0.46	10054	50	0.07	14	0.08	65	<2	<2	183	<5	<3	642
L5000N 4875N	0.4	3.54	723	63	<3	0.14	<0.1	12	23	30	5.67	0.16	0.27	3224	39	0.05	6	0.05	<2	<2	<2	13	<5	<3	181
L5000N 4900N	0.4	8.32	<3	66	<3	0.10	<0.1	16	32	41	4.74	0.16	0.23	4303	33	0.05	4	0.05	<2	<2	<2	7	<5	<3	145
L5000N 4950N	0.6	1.34	1539	>1000	<3	0.77	<0.1	15	12	34	3.71	0.17	0.48	15123	141	0.06	15	0.08	40	<2	<2	501	<5	<3	446
L5000N 4975N	0.4	1.88	1168	427	<3	0.63	<0.1	11	12	25	3.54	0.14	0.46	5322	43	0.07	11	0.08	115	<2	<2	517	<5	<3	740
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

(= Less Than Minimum) = Greater Than Maximum is = Insufficient Sample ns = No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

[illegible] LABORATORIES LIMITED
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ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: [signature]

REPORT #: 900566 PA | PAMICON DEVELOPMENTS LTD. | PROJECT: KIRBY | DATE IN: SEPT 24 1990 | DATE OUT: OCT 24 1990 | ATTENTION: MR. STEVE TODORUK | PAGE 2 OF 3

Sample Name	Ag ppm	Al %	As 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	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
L5000N 5000E	1.2	1.69	>2000	947	<3	1.16	4.6	16	11	43	5.01	0.22	0.25	11717	38	0.10	14	0.11	430	<2	<2	145	<5	<3	1398
L5100N 4825E	<0.1	0.96	603	537	<3	3.06	0.1	4	10	23	1.46	0.16	0.19	3061	14	0.05	8	0.13	13	<2	<2	2859	<5	<3	443
L5100N 4850E	0.1	3.99	759	95	<3	0.10	<0.1	5	19	18	4.27	0.12	0.24	960	26	0.06	5	0.07	<2	<2	<2	23	<5	<3	238
L5100N 4875E	0.3	1.14	41	50	<3	0.18	1.4	8	14	14	5.11	0.12	0.08	1315	32	0.06	10	0.13	22	<2	<2	21	<5	<3	87
L5100N 4900E	0.4	2.92	211	55	<3	0.12	<0.1	8	23	26	5.97	0.14	0.23	862	28	0.05	12	0.08	<2	<2	<2	13	<5	<3	85
L5100N 4925E	0.1	2.51	488	154	<3	0.24	0.1	18	18	39	4.26	0.13	0.54	3764	19	0.05	12	0.05	<2	<2	<2	30	<5	<3	171
L5100N 4950E	0.3	2.29	410	124	<3	0.26	<0.1	18	15	38	3.85	0.11	0.49	3019	16	0.05	11	0.05	<2	<2	<2	20	<5	<3	183
L5100N 4975E	0.8	2.15	1107	166	<3	0.14	<0.1	13	15	21	4.59	0.12	0.19	6723	25	0.04	6	0.13	16	<2	<2	6	<5	<3	178
L5200N 4825E	0.3	2.23	793	254	<3	0.39	<0.1	14	13	26	3.63	0.12	0.55	3528	17	0.04	8	0.07	<2	<2	<2	96	<5	<3	224
L5200N 4850E	0.1	2.19	710	163	<3	0.18	<0.1	14	16	31	4.04	0.11	0.49	5225	16	0.05	5	0.09	12	<2	<2	12	<5	<3	300
L5200N 4875E	0.4	3.11	551	89	<3	0.26	<0.1	10	20	20	4.48	0.12	0.29	3484	24	0.05	6	0.08	<2	<2	<2	14	<5	<3	259
L5200N 4900E	<0.1	2.46	638	351	<3	0.65	<0.1	15	19	29	4.36	0.16	0.48	7141	19	0.06	7	0.11	13	<2	<2	34	<5	<3	335
L5200N 4925E	0.2	2.34	864	472	<3	0.91	0.8	17	19	34	4.53	0.19	0.56	8528	19	0.07	12	0.11	49	<2	<2	50	<5	<3	565
L5200N 4950E	0.1	1.85	931	614	<3	1.80	0.5	14	15	26	4.11	0.21	0.35	11992	21	0.07	7	0.19	74	<2	<2	83	<5	<3	725
L5200N 4975E	0.2	2.10	1215	537	<3	1.28	<0.1	16	13	37	4.37	0.21	0.52	10219	20	0.08	6	0.11	69	<2	<2	58	<5	<3	909
L5200N 5000E	0.1	2.86	835	428	<3	0.62	<0.1	19	16	45	4.46	0.18	0.66	5207	17	0.05	11	0.09	<2	<2	<2	31	<5	<3	256
L5200N 5025E	0.5	2.46	813	406	<3	1.20	<0.1	16	16	46	3.81	0.18	0.53	3654	15	0.05	6	0.10	<2	<2	<2	53	<5	<3	271
L5300N 4825E	0.4	2.81	10	25	<3	0.09	0.2	7	21	11	4.22	0.08	0.08	797	19	0.05	2	0.13	<2	<2	<2	6	<5	<3	62
L5300N 4850E	0.3	3.00	710	151	<3	0.07	<0.1	4	16	9	4.09	0.09	0.16	772	14	0.03	2	0.14	<2	<2	<2	16	<5	<3	48
L5300N 4875E	<0.1	4.12	224	42	<3	0.15	<0.1	10	31	23	9.23	0.24	0.28	513	28	0.06	5	0.04	<2	<2	<2	6	<5	<3	78
L5300N 4900E	0.3	4.41	1394	141	<3	0.11	<0.1	11	20	30	5.08	0.13	0.71	1087	28	0.04	11	0.06	<2	<2	<2	23	<5	<3	176
L5300N 4925E — 4950	0.6	3.89	603	156	<3	0.08	<0.1	7	20	14	3.58	0.09	0.64	675	22	0.04	4	0.04	<2	<2	<2	29	<5	<3	116
L5300N 4975E	0.3	2.07	637	345	<3	0.54	<0.1	17	18	19	3.46	0.13	0.51	5408	20	0.04	1	0.19	<2	<2	<2	26	<5	<3	185
L5300N 5000E	0.2	2.35	888	537	<3	0.92	<0.1	17	19	23	3.80	0.16	0.57	6589	20	0.05	8	0.17	<2	<2	<2	35	<5	<3	298
L5300N 5025E	0.1	1.88	551	446	<3	1.52	<0.1	17	16	19	3.03	0.18	0.63	4686	22	0.05	6	0.18	<2	<2	<2	59	<5	<3	184
L5300N 5050E	0.2	2.57	1114	493	<3	0.75	<0.1	20	18	27	4.10	0.16	0.60	5485	27	0.05	9	0.17	<2	<2	<2	66	<5	<3	197
L5300N 5075E	0.2	2.19	1373	488	<3	0.68	<0.1	18	15	27	3.91	0.15	0.60	4160	25	0.05	6	0.11	<2	<2	<2	56	<5	<3	189
L5400N 4825E	0.3	2.47	203	103	<3	0.10	<0.1	6	17	10	4.09	0.08	0.20	806	15	0.03	5	0.07	<2	<2	<2	9	<5	<3	73
L5400N 4850E	0.6	3.01	<3	43	<3	0.13	<0.1	6	23	14	5.35	0.12	0.08	374	20	0.04	4	0.07	<2	<2	<2	10	<5	<3	74
L5400N 4875E	0.2	4.60	<3	23	<3	0.12	0.9	9	25	9	5.75	0.15	0.07	1161	23	0.09	<1	0.06	<2	<2	<2	5	<5	<3	112
L5400N 4900E — 4925	0.5	3.32	<3	23	<3	0.14	<0.1	8	26	16	7.67	0.20	0.06	437	25	0.07	<1	0.07	<2	<2	<2	4	<5	<3	85
L5400N 4950E	0.1	2.17	207	205	<3	0.11	<0.1	8	19	10	4.48	0.09	0.20	1276	16	0.05	5	0.13	<2	<2	<2	12	<5	<3	93
L5400N 4975E	<0.1	2.82	349	174	<3	0.12	<0.1	8	20	16	5.17	0.12	0.21	819	18	0.04	5	0.12	<2	<2	<2	11	<5	<3	85
L5400N 5000E	<0.1	3.24	407	183	<3	0.10	<0.1	8	15	5	2.91	0.07	0.23	803	14	0.03	<1	0.07	<2	<2	<2	14	<5	<3	75
L5400N 5025E	0.5	2.38	965	627	<3	1.48	<0.1	11	18	17	4.65	0.23	0.46	13431	22	0.06	2	0.13	7	<2	<2	65	<5	<3	239
L5400N 5050E	<0.1	2.06	725	236	<3	0.53	<0.1	16	94	23	3.23	0.11	0.49	3418	21	0.04	17	0.19	<2	<2	<2	22	<5	<3	205
L5400N 5075E	<0.1	1.87	1139	342	<3	1.19	<0.1	16	15	31	3.34	0.15	0.50	3532	21	0.04	3	0.13	<2	<2	<2	59	<5	<3	215
L5500N 4825E	<0.1	3.15	<3	48	<3	0.15	<0.1	9	29	16	6.03	0.14	0.35	236	18	0.05	4	0.02	<2	<2	<2	8	<5	<3	69
L5500N 4850E	0.2	4.58	229	44	<3	0.15	<0.1	9	31	24	5.57	0.14	0.37	263	23	0.05	9	0.04	<2	<2	<2	9	<5	<3	74
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

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ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST:

REPORT #: 900566 PA | PAMICON DEVELOPMENTS LTD. | PROJECT: KIRBY | DATE IN: SEPT 24 1990 | DATE OUT: OCT 24 1990 | ATTENTION: MR. STEVE TODORUK | PAGE 3 OF 3

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L5500N 4875E	0.1	3.65	<3	16	<3	0.12	2.1	10	24	11	7.12	0.18	0.09	285	24	0.09	10	0.02	<2	<2	<2	4	<5	<3	90
L5500N 4900E	0.2	3.57	<3	24	<3	0.13	1.1	9	27	16	8.18	0.20	0.13	176	23	0.06	11	0.03	<2	<2	<2	4	<5	<3	68
L5500N 4925E	0.6	3.05	<3	27	<3	0.07	1.1	6	23	13	4.22	0.09	0.14	152	19	0.04	10	0.03	<2	<2	<2	4	<5	<3	53
L5500N 4950E	0.7	2.79	688	61	<3	0.05	<0.1	4	16	19	2.58	0.06	0.39	641	15	0.03	7	0.05	<2	<2	<2	4	<5	<3	92
L5500N 4975E	0.8	2.68	652	102	<3	0.05	<0.1	2	16	13	2.68	0.06	0.33	294	16	0.03	5	0.07	<2	<2	<2	5	<5	<3	78
L5500N 5000E	0.7	2.52	540	91	<3	0.16	<0.1	3	16	16	2.56	0.07	0.37	398	17	0.03	7	0.20	<2	<2	<2	10	<5	<3	147
L5500N 5025E — 5050	0.5	1.76	721	170	<3	0.30	<0.1	11	15	16	3.67	0.11	0.25	4072	18	0.05	6	0.16	4	<2	<2	47	<5	<3	165
L5500N 5075E	0.2	2.42	945	135	<3	0.19	<0.1	9	17	18	4.33	0.11	0.23	5398	24	0.06	10	0.14	21	<2	<2	10	<5	<3	291
L5500N 5100E	0.3	4.01	1645	103	<3	0.15	<0.1	19	19	36	5.73	0.16	0.24	7276	37	0.07	12	0.08	25	<2	<2	7	<5	<3	633
L5500N 5125E	0.4	2.33	1749	179	<3	0.71	<0.1	7	17	15	7.32	0.22	0.13	7773	34	0.06	9	0.10	10	<2	<2	25	<5	<3	274
L5600N 4825E	0.4	3.50	<3	30	<3	0.12	1.9	8	23	16	6.53	0.15	0.21	216	22	0.04	8	0.03	<2	<2	<2	6	<5	<3	63
L5600N 4850E	<0.1	7.35	<3	19	<3	0.11	1.3	10	30	13	5.98	0.18	0.09	578	27	0.10	6	0.04	<2	<2	<2	2	<5	<3	92
L5600N 4875E	0.3	2.99	<3	13	<3	0.13	2.1	9	27	14	8.74	0.21	0.05	225	25	0.08	9	0.04	<2	<2	<2	3	<5	<3	73
L5600N 4900E	0.2	4.36	<3	48	<3	0.15	0.7	9	33	28	7.18	0.18	0.42	374	22	0.05	8	0.03	<2	<2	<2	11	<5	<3	89
L5600N 4925E	1.2	2.75	32	35	<3	0.08	1.0	5	17	17	3.01	0.08	0.24	199	15	0.05	6	0.09	<2	<2	<2	7	<5	<3	66
L5600N 4950E	0.6	2.40	151	67	<3	0.08	0.1	9	15	22	2.89	0.08	0.26	4683	16	0.05	7	0.07	<2	<2	<2	8	<5	<3	103
L5600N 4975E	0.7	7.19	<3	78	<3	0.10	0.3	8	26	26	5.27	0.15	0.10	375	27	0.07	5	0.11	<2	<2	<2	4	<5	<3	75
L5600N 5000E	0.2	6.95	<3	44	<3	0.10	<0.1	5	30	31	4.81	0.13	0.25	348	21	0.03	4	0.06	<2	<2	<2	5	<5	<3	92
L5600N 5025E	0.5	5.37	<3	28	<3	0.10	1.1	7	25	19	4.91	0.14	0.09	1189	24	0.09	4	0.06	<2	<2	<2	3	<5	<3	98
L5600N 5050E	0.4	2.52	1813	565	<3	0.66	<0.1	12	16	30	5.32	0.20	0.33	9484	25	0.08	8	0.10	107	<2	<2	59	<5	<3	772
L5600N 5075E	0.4	2.38	>2000	455	<3	0.47	6.4	11	17	33	5.62	0.19	0.27	16871	34	0.11	16	0.15	218	<2	<2	26	<5	<3	1493
L5600N 5100E	0.6	1.53	>2000	>1000	<3	0.92	<0.1	12	12	28	6.82	0.25	0.13	19708	39	0.14	10	0.20	690	<2	<2	791	<5	<3	1991
L5600N 5125E	0.4	1.48	>2000	143	<3	0.21	<0.1	5	12	9	6.02	0.13	0.14	1501	42	0.05	7	0.04	127	<2	<2	19	<5	<3	477
L5700N 4825E	0.3	3.80	<3	13	<3	0.13	0.8	9	23	11	7.19	0.19	0.05	322	27	0.11	6	0.02	<2	<2	<2	2	<5	<3	98
L5700N 4850E	0.5	3.05	<3	12	<3	0.13	2.4	11	28	8	7.80	0.19	0.06	244	27	0.09	7	0.02	<2	<2	<2	3	<5	<3	91
L5700N 4875E	0.5	3.16	<3	24	<3	0.15	1.5	12	28	17	8.89	0.21	0.20	434	26	0.09	12	0.03	<2	<2	<2	6	<5	<3	90
L5700N 4900E	0.7	4.02	<3	65	<3	0.09	1.2	7	17	11	7.33	0.18	0.19	119	19	0.04	5	0.04	<2	<2	<2	2	<5	<3	31
L5700N 4925E	0.5	7.34	<3	65	<3	0.18	1.4	12	37	22	7.32	0.21	0.41	753	24	0.06	10	0.03	<2	<2	<2	11	<5	<3	196
L5700N 4950E	0.4	4.29	<3	17	<3	0.11	0.5	14	24	9	4.78	0.13	0.12	713	23	0.09	4	0.04	<2	<2	<2	4	<5	<3	76
L5700N 4975E	0.4	3.42	164	311	<3	0.49	0.3	12	20	33	4.21	0.15	0.68	888	17	0.07	11	0.09	14	<2	<2	73	<5	<3	340
L5700N 5000E	0.3	3.30	358	202	<3	0.15	1.6	15	22	28	4.36	0.13	0.68	5036	24	0.06	10	0.10	13	<2	<2	16	<5	<3	346
L5700N 5025E	0.3	2.38	1498	547	<3	1.00	<0.1	16	17	22	4.75	0.19	0.80	10340	52	0.08	10	0.14	100	<2	<2	132	<5	<3	742
L5700N 5050E	0.3	2.80	685	298	<3	0.81	<0.1	11	20	19	4.25	0.17	0.56	3976	26	0.07	9	0.13	28	<2	<2	51	<5	<3	364
L5700N 5075E	0.2	2.78	1738	356	<3	0.47	<0.1	14	17	24	5.75	0.18	0.41	6868	32	0.08	9	0.15	121	<2	<2	26	<5	<3	714
L5700N 5100E	0.2	3.10	1012	353	<3	0.43	<0.1	13	18	25	4.75	0.15	0.45	6574	31	0.06	7	0.14	66	<2	<2	21	<5	<3	498
L5700N 5125E	0.5	2.29	1169	440	<3	0.34	<0.1	17	20	29	5.29	0.16	0.46	9332	31	0.06	9	0.15	162	<2	<2	17	<5	<3	569
L5700N 5150E	0.5	2.32	1489	468	<3	1.14	<0.1	12	16	31	4.50	0.19	0.66	6245	31	0.08	9	0.18	152	<2	<2	40	<5	<3	763
L5700N 5175E	<0.1	2.16	1112	537	<3	1.25	<0.1	16	14	24	4.17	0.19	0.81	5588	29	0.07	12	0.17	104	<2	<2	67	<5	<3	659
L5700N 5200E	<0.1	0.94	1840	491	<3	2.47	<0.1	15	16	28	4.11	0.22	0.26	4933	37	0.08	22	0.20	197	7	<2	87	<5	<3	933
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VGC VANGEOCHEM LAB LIMITED

MAIN OFFICE
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BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: PAMICON DEVELOPMENTS LTD.
ADDRESS: 711 - 675 W. Hastings St.
: Vancouver, BC
: V6B 1N4

DATE: OCT 12 1990
REPORT#: 900581 GA
JOB#: 900581

PROJECT#: KIRBY
SAMPLES ARRIVED: SEPT 24 1990
REPORT COMPLETED: OCT 12 1990
ANALYSED FOR: Au ICP

INVOICE#: 900581 NA
TOTAL SAMPLES: 64
SAMPLE TYPE: 64 SOIL
REJECTS: DISCARDED

SAMPLES FROM: BRONSON CAMP
COPY SENT TO: PAMICON DEVELOPMENTS LTD.

RECEIVED
NOV - 1 1990

PREPARED FOR: MR. STEVE TODORUK

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: RESULTS FAXED TO MR. DONALD PENNER & BRONSON CAMP.

VGC VANGEOCHEM LAB LIMITED

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RENO, NEVADA, U.S.A.

REPORT NUMBER: 900581 GA JOB NUMBER: 900581 PANICON DEVELOPMENTS LTD.

SAMPLE #	Au ppb
L4700N 4800E	nd
L4700N 4825E	nd
L4700N 4850E	nd
L4700N 4875E	10
L4700N 4900E	15
L4700N 4925E	20
L4700N 4950E	15
L4700N 4975E	15
L4700N 5025E	5
L4700N 5050E	20
L4700N 5075E	5
L4700N 5100E	10
L4800N 4750E	15
L4800N 4775E	nd
L4800N 4800E	5
L4800N 4825E	5
L4800N 4850E	nd
L4800N 4875E	10
L4800N 4900E	5
L4800N 4925E	5
L4800N 4950E	nd
L4800N 4975E	10
L4800N 5025E	nd
L4800N 5050E	nd
L4800N 5075E	15
L4900N 4750E	nd
L4900N 4775E	nd
L4900N 4800E	nd
L4900N 4825E	5
L4900N 4850E	10
L4900N 4875E	5
L4900N 4900E	10
L4900N 4925E	nd
L4900N 4950E	nd
L4900N 4975E	nd
L4900N 5025E	nd
L4900N 5050E	nd
L4900N 5075E	10
L4900N 5100E	nd
DETECTION LIMIT	5

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

VGC VANGEOCHEM LAB LIMITED

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BRANCH OFFICES
BATHURST, N.B.
RENO, NEVADA, U.S.A.

REPORT NUMBER: 900581 GA JOB NUMBER: 900581 PANICON DEVELOPMENTS LTD. PAGE 2 OF 2

SAMPLE #	Au ppb
L4900N 5125E	10
B/L5000E 4700N	nd
B/L5000E 4725N	nd
B/L5000E 4750N	nd
B/L5000E 4775N	5
B/L5000E 4800N	5
B/L5000E 4825N	nd
B/L5000E 4850N	nd
B/L5000E 4875N	nd
B/L5000E 4900N	nd
B/L5000E 4925N	10
B/L5000E 4950N	nd
B/L5000E 4975N	nd
L5100E 4750E	15
L5100E 4775E	5
L5200N 4700E	nd
L5200N 4725E	10
L5200N 4750E	10
L5200N 4775E	nd
L5300N 4700E	15
L5300N 4725E	5
L5300N 4750E	nd
L5300N 4775E	5
L5400N 4750E	nd
L5400N 4775E	nd

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

1550 Parkcore Street, Vancouver ... V5L 1C6
Phone:(604)251-5656 Fax:(604)254-5717

ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO3 to H2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: _____

REPORT #: 900SE1 PA | PAMICON DEVELOPMENTS LTD. | PROJECT: KIPSY | DATE IN: SEPT 24 1990 | DATE OUT: OCT 31 1990 | ATTENTION: MR. STEVE JOSORUK | PAGE 1 OF 2

Sample Name	Ag ppm	Al %	As 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	Sb ppm	Sn ppm	Sr ppm	U ppm	W ppm	Zn ppm
L4700N 4800E	0.5	3.43	<3	56	<3	0.06	1.5	7	16	27	3.78	0.04	0.29	1362	14	0.05	37	0.04	<2	<2	<2	7	<5	<3	97
L4700N 4825E	0.7	2.55	17	135	<3	0.18	1.8	7	15	22	3.40	0.07	0.26	5637	19	0.06	42	0.10	<2	<2	<2	25	<5	<3	118
L4700N 4850E	<0.1	3.43	193	71	<3	0.07	0.3	7	21	21	4.10	0.05	0.34	1232	20	0.06	36	0.05	<2	<2	<2	8	<5	<3	132
L4700N 4875E	<0.1	3.06	553	291	<3	0.32	<0.1	8	19	19	4.92	0.12	0.18	3158	22	0.10	33	0.07	<2	<2	<2	22	<5	<3	128
L4700N 4900E	<0.1	3.11	<3	35	<3	0.10	3.1	5	25	20	9.24	0.16	0.16	869	22	0.12	36	0.04	<2	<2	<2	6	<5	<3	83
L4700N 4925E	<0.1	3.74	762	93	<3	0.05	<0.1	10	21	28	4.64	0.08	0.28	6654	19	0.09	32	0.03	54	<2	<2	4	<5	<3	425
L4700N 4950E	<0.1	5.10	243	51	<3	0.05	0.7	6	20	21	5.05	0.09	0.19	2025	24	0.10	36	0.07	<2	<2	<2	4	<5	<3	180
L4700N 4975E	0.2	2.30	<3	44	<3	0.09	2.1	6	20	18	7.48	0.10	0.31	443	19	0.08	19	0.04	<2	<2	<2	8	<5	<3	81
L4700N 5025E	<0.1	7.06	298	51	<3	0.07	0.5	9	24	25	3.91	0.07	0.21	1909	25	0.07	36	0.04	66	<2	<2	8	<5	<3	189
L4700N 5050E	<0.1	1.87	<3	17	<3	0.07	2.2	9	21	15	8.76	0.14	0.06	344	25	0.13	14	0.03	37	4	<2	4	<5	<3	73
L4700N 5075E	<0.1	3.43	<3	29	<3	0.05	1.2	8	20	15	5.18	0.08	0.12	480	19	0.09	16	0.05	<2	<2	<2	4	<5	<3	61
L4700N 5100E	<0.1	4.42	<3	38	<3	0.08	2.4	7	24	18	8.58	0.15	0.25	508	19	0.10	14	0.01	<2	<2	<2	6	<5	<3	65
L4800N 4750E	<0.1	3.86	157	107	<3	0.07	0.6	7	20	22	3.61	0.06	0.55	1692	18	0.07	15	0.06	<2	<2	<2	9	<5	<3	183
L4800N 4775E	<0.1	3.57	59	69	<3	0.06	0.3	8	16	26	3.91	0.06	0.49	2279	18	0.05	15	0.08	<2	<2	<2	6	<5	<3	152
L4800N 4800E	<0.1	4.11	<3	38	<3	0.06	1.3	4	16	22	5.40	0.09	0.22	547	18	0.07	13	0.04	<2	<2	<2	5	<5	<3	77
L4800N 4825E	<0.1	3.87	<3	31	<3	0.05	1.3	4	19	20	6.58	0.10	0.10	413	25	0.10	8	0.04	<2	<2	<2	3	<5	<3	82
L4800N 4850E	<0.1	2.56	1604	608	<3	0.34	<0.1	15	15	21	4.20	0.12	0.26	14508	43	0.14	45	0.07	62	<2	<2	32	<5	<3	598
L4800N 4875E	<0.1	4.47	149	38	<3	0.06	<0.1	7	18	17	5.64	0.11	0.07	1004	24	0.10	15	0.04	<2	<2	<2	4	<5	<3	92
L4800N 4900E	<0.1	2.27	992	37	<3	0.05	<0.1	4	16	11	6.76	0.09	0.09	1273	25	0.09	9	0.04	6	<2	<2	4	<5	<3	86
L4800N 4925E	<0.1	3.25	349	57	<3	0.05	<0.1	7	19	18	4.94	0.08	0.09	8819	33	0.08	11	0.07	<2	<2	<2	4	<5	<3	114
L4800N 4950E	0.2	2.83	497	43	<3	0.06	<0.1	5	21	16	6.67	0.09	0.25	1739	27	0.07	14	0.04	21	<2	<2	5	<5	<3	137
L4800N 4975E	<0.1	4.16	477	126	<3	0.08	0.5	5	17	17	5.19	0.07	0.28	2986	26	0.07	14	0.06	<2	<2	<2	6	<5	<3	292
L4800N 5025E	<0.1	5.21	730	820	<3	0.23	<0.1	10	18	20	6.14	0.18	0.46	>20000	25	0.55	9	0.13	<2	<2	<2	12	<5	<3	503
L4800N 5050E	<0.1	1.19	1434	737	<3	0.56	<0.1	6	8	13	2.68	0.09	0.40	5392	17	0.21	11	0.07	63	<2	<2	32	<5	<3	1512
L4800N 5075E	<0.1	0.22	1544	563	<3	4.47	<0.1	5	6	14	2.65	0.20	0.62	5067	16	0.16	12	0.12	166	17	<2	546	<5	<3	1258
L4900N 4750E	<0.1	2.94	116	53	<3	0.07	1.8	11	16	20	5.92	0.08	0.37	2012	18	0.08	12	0.03	<2	<2	<2	9	<5	<3	107
L4900N 4775E	<0.1	2.82	<3	14	<3	0.04	1.1	5	14	8	5.06	0.07	0.06	382	16	0.10	8	0.03	<2	<2	<2	3	<5	<3	50
L4900N 4800E	<0.1	2.59	<3	25	<3	0.04	<0.1	7	15	11	4.22	0.05	0.12	2823	16	0.08	8	0.06	<2	<2	<2	5	<5	<3	71
L4900N 4825E	<0.1	3.90	<3	29	<3	0.04	0.6	4	16	13	4.64	0.07	0.10	1979	19	0.09	12	0.19	<2	<2	<2	2	<5	<3	79
L4900N 4850E	<0.1	3.45	<3	26	<3	0.04	1.0	5	17	12	5.49	0.08	0.09	680	20	0.09	8	0.05	<2	<2	<2	3	<5	<3	73
L4900N 4875E	<0.1	4.45	294	61	<3	0.06	<0.1	5	20	20	7.33	0.12	0.31	854	19	0.07	11	0.05	<2	<2	<2	6	<5	<3	162
L4900N 4900E	<0.1	3.50	78	79	<3	0.15	0.1	15	19	32	4.04	0.07	0.46	3337	16	0.08	19	0.07	<2	<2	<2	13	<5	<3	199
L4900N 4925E	<0.1	2.96	381	49	<3	0.03	<0.1	4	15	11	4.80	0.07	0.19	1099	24	0.05	8	0.05	<2	<2	<2	5	<5	<3	116
L4900N 4950E	<0.1	1.52	35	46	<3	0.06	0.2	3	10	7	3.38	0.02	0.16	194	13	0.03	9	0.04	<2	<2	<2	10	<5	<3	61
L4900N 4975E	<0.1	3.38	303	98	<3	0.08	<0.1	9	18	24	5.91	0.09	0.26	2075	23	0.08	14	0.13	7	<2	<2	10	<5	<3	159
L4900N 5025E	<0.1	3.02	389	88	<3	0.08	<0.1	16	13	36	4.09	0.07	0.34	4382	15	0.05	11	0.13	<2	<2	<2	9	<5	<3	152
L4900N 5050E	<0.1	2.12	1453	178	<3	0.42	<0.1	17	8	20	4.74	0.11	0.21	10223	22	0.10	13	0.12	113	<2	<2	38	<5	<3	555
L4900N 5075E	0.2	4.97	20	74	<3	0.05	<0.1	6	17	29	4.95	0.07	0.32	912	17	0.05	13	0.04	<2	<2	<2	6	<5	<3	99
L4900N 5100E	<0.1	2.24	<3	51	<3	0.03	<0.1	5	16	10	4.80	0.06	0.19	263	17	0.05	13	0.02	<2	<2	<2	5	<5	<3	64
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

VANGEOCHEM LAB LIMITED

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ICAP GEOCHEMICAL ANALYSIS

A .5 gram sample is digested with 5 ml of 3:1:2 HCl to HNO_3 to H_2O at 95 °C for 90 minutes and is diluted to 10 ml with water.
This leach is partial for Al, Ba, Ca, Cr, Fe, K, Mg, Mn, Na, P, Sn, Sr and W.

ANALYST: _____

REPORT #: 900581 PA | PARICON DEVELOPMENTS LTD. | PROJECT: KIRBY | DATE IN: SEPT 24 1990 | DATE OUT: OCT 31 1990 | ATTENTION: MR. STEVE TODORUK |

Sample Name	Ag	Al	As	Ba	Bi	Ca	Cd	Co	Cr	Cu	Fe	K	Mg	Mn	Mo	Na	Ni	P	Pb	Sb	Sn	Sr	U	W	Zn
	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	%	%	ppm	ppm	%	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
L4900N 5125E	0.2	2.35	<3	60	<3	0.06	2.3	8	17	15	5.60	0.10	0.12	988	20	0.08	17	0.08	<2	<2	<2	6	<5	<3	69
B/L5000E 4700N	0.3	2.92	<3	13	<3	0.09	3.0	7	24	19	>10.00	0.22	0.08	454	52	0.16	16	0.03	22	3	<2	3	<5	<3	65
B/L5000E 4725N	<0.1	3.44	1317	307	<3	0.07	<0.1	10	21	21	5.53	0.11	0.27	10850	42	0.14	18	0.05	136	<2	<2	5	<5	<3	713
B/L5000E 4750N	<0.1	3.22	347	41	<3	0.06	0.8	9	23	18	6.15	0.11	0.17	1374	39	0.10	17	0.04	35	<2	<2	4	<5	<3	139
B/L5000E 4775N	<0.1	2.64	1572	319	<3	0.26	3.2	6	16	12	3.65	0.10	0.38	9054	28	0.16	18	0.07	302	<2	<2	10	<5	<3	1114
B/L5000E 4800N	<0.1	2.48	1186	275	<3	0.09	6.5	7	15	9	4.53	0.08	0.10	>20000	44	0.13	13	0.04	301	<2	<2	3	<5	<3	813
B/L5000E 4825N	<0.1	3.77	366	130	<3	0.31	0.2	6	19	15	4.46	0.11	0.36	8077	19	0.08	20	0.09	<2	<2	<2	15	<5	<3	349
B/L5000E 4850N	<0.1	1.17	1609	>1000	<3	1.30	0.7	9	10	14	4.24	0.19	0.24	14583	21	0.18	15	0.17	123	<2	<2	84	<5	<3	1392
B/L5000E 4875N	<0.1	2.01	646	306	<2	0.47	1.1	13	15	21	3.67	0.11	0.56	3970	26	0.08	18	0.13	58	<2	<2	62	<5	<3	428
B/L5000E 4900N	<0.1	1.12	7	67	<3	0.06	1.5	4	13	13	3.14	0.03	0.11	225	11	0.04	14	0.12	<2	<2	<2	11	<5	<3	60
B/L5000E 4925N	<0.1	2.55	983	192	<3	0.22	<0.1	9	13	20	3.92	0.09	0.34	5552	16	0.10	14	0.15	47	<2	<2	13	<5	<3	541
B/L5000E 4950N	<0.1	1.60	>2000	568	<3	1.75	<0.1	10	11	27	3.78	0.19	0.27	6840	21	0.12	14	0.11	106	<2	<2	328	<5	<3	800
B/L5000E 4975N	<0.1	2.54	1376	86	<3	0.08	<0.1	3	11	13	3.83	0.06	0.17	1978	33	0.06	6	0.02	123	<2	<2	10	<5	<3	322
L5100N 4750E	<0.1	2.94	177	462	<3	0.33	1.8	22	22	72	5.33	0.13	1.26	2917	15	0.09	23	0.08	<2	<2	<2	28	<5	<3	160
L5100N 4775E	<0.1	3.19	494	245	<3	0.20	0.4	14	16	43	4.31	0.08	0.70	1214	20	0.08	17	0.09	<2	<2	<2	39	<5	<3	219
L5200N 4700E	<0.1	3.12	25	376	<3	0.29	2.8	20	20	65	5.27	0.13	1.09	2861	13	0.09	19	0.07	<2	<2	<2	32	<5	<3	155
L5200N 4725E	<0.1	3.11	32	342	<3	0.28	1.7	20	20	62	5.03	0.12	1.07	1932	13	0.08	20	0.08	<2	<2	<2	23	<5	<3	151
L5200N 4750E	<0.1	3.53	39	157	<3	0.14	1.4	15	16	40	4.57	0.09	0.55	1405	17	0.10	10	0.09	<2	<2	<2	47	<5	<3	165
L5200N 4775E	<0.1	3.38	147	266	<3	0.24	2.2	22	21	66	5.66	0.13	1.06	1643	18	0.10	18	0.09	<2	<2	<2	106	<5	<3	188
L5300N 4700E	<0.1	2.92	<3	419	<3	0.41	2.5	22	22	68	5.29	0.14	1.27	2183	13	0.08	22	0.08	<2	<2	<2	56	<5	<3	131
L5300N 4725E	<0.1	3.32	<3	160	<3	0.13	1.3	15	17	42	4.71	0.09	0.70	1054	14	0.08	17	0.10	<2	<2	<2	26	<5	<3	142
L5300N 4750E	0.2	3.03	448	242	<3	0.13	<0.1	13	16	46	4.99	0.09	0.65	1632	14	0.06	7	0.09	<2	<2	<2	51	<5	<3	96
L5300N 4775E	<0.1	3.43	284	208	<3	0.16	0.5	15	13	47	4.32	0.10	0.70	699	12	0.08	8	0.10	<2	<2	<2	73	<5	<3	117
L5400N 4750E	<0.1	3.58	32	233	<3	0.22	1.3	17	16	49	4.88	0.12	0.74	1491	15	0.09	11	0.07	<2	<2	<2	56	<5	<3	128
L5400N 4775E	<0.1	2.29	353	169	<3	0.11	0.1	11	11	31	4.00	0.06	0.43	393	10	0.06	8	0.06	<2	<2	<2	58	<5	<3	100
Minimum Detection	0.1	0.01	3	1	3	0.01	0.1	1	1	1	0.01	0.01	0.01	1	1	0.01	1	0.01	2	2	2	1	5	3	1
Maximum Detection	50.0	10.00	2000	1000	1000	10.00	1000.0	20000	1000	20000	10.00	10.00	10.00	20000	1000	10.00	20000	10.00	20000	2000	1000	10000	100	1000	20000

< - Less Than Minimum > - Greater Than Maximum is - Insufficient Sample ns - No Sample ANOMALOUS RESULTS - Further Analyses By Alternate Methods Suggested.

APPENDIX VI

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, STEVE L. TODORUK, of 6323 Piccadilly Place, West Sechelt, 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 reported on herein or in the securities of Kirby Energy Inc. nor do I expect to receive such interest.

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

DATED at Vancouver, B.C., this 21 day of March, 1991.

Steve L. Todoruk, Geologist

APPENDIX VII

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 work conducted under my direction in 1990 and on extensive knowledge of the immediate area.

5. THAT I have no direct or indirect interest in the property described herein or the securities of the Company nor do I expect to receive any such interest.

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

DATED at Vancouver, B.C., this 22nd day of March, 1991.

Charles K. Ikona, P.Eng.

L.1150/9+75N
L.1100/12+25N
L.1230/11+25N
L.C.P.
L.000/0+00W
L.050/0+00W
L.000/9+00W
L.050/4+00W
L.1120/12+75N
GAB 5
L.1200/10+00N
L.1230/0+00N
L.1100/0+00N
L.1120/0+00N
L.1200/0+00N
L.100/35+00N (1989)
L.1150/0+00N
L.1050/0+00N
L.900/0+00S. (1989)
L.100/25+00N. (1989)
NEWMONT LAKE
W/L 822
L.900/9+75S. (1989)
L.100/15+00N. (1989)
L.100/0+00N. (1989)
1273
1226
1200
1132
1154
1000
1107
1234
1169
1092
1130
937
946
1256
1316
1164
875
900
848
1329
1338
1283
1329
1317
1383
1305
942
894
1345
268
383000 E
384000 E
385000 E

LEGEND

- SOIL SAMPLE SHOWING As IN P.P.M.
- As SAMPLE >200 P.P.M.

Scale 1:5000

m 0 100 200 300 400 500 m

21,150

GEOLOGICAL BRANCH ASSESSMENT REPORT

KIRBY ENERGY INC.

GAB 5 CLAIM

1990 As SOIL CONTOUR TRAVERSE

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

DRAWN.	N.T.S.	DATE.	FIG.No.
J.W.	104B/15W	March, 1991	6

L.1150/9+75N
L.1100/12+25N
L.1230/11+25N
L.C.P.
L.000/0+00W
L.050/0+00W
L.000/9+00W
L.050/4+00W
L.1120/12+75N
GAB 5
L.1200/10+00N
L.1230/0+00N
L.1100/0+00N
L.1120/0+00N
L.1200/0+00N
L.1150/0+00N
L.1050/0+00N
L.100/35+00N (1989)
L.900/0+00S. (1989)
L.100/25+00N. (1989)
L.900/9+75S. (1989)
L.100/15+00N. (1989)
L.100/0+00N. (1989)
NEWMONT LAKE
W/L 822
1273
1226
1132
1154
1107
1234
1092
1130
937
946
1256
316
875
900
164
848
1329
1338
1283
1329
1317
1383
1305
942
1268
894
1345
383000 E
384000 E
385000 E

LEGEND

- SOIL SAMPLE SHOWING Zn IN P.P.M.
- Zn SAMPLE >200 P.P.M.

Scale 1:5000

m 0 100 200 300 400 500 m

21,150

GEOLOGICAL BRANCH
ASSESSMENT REPORT

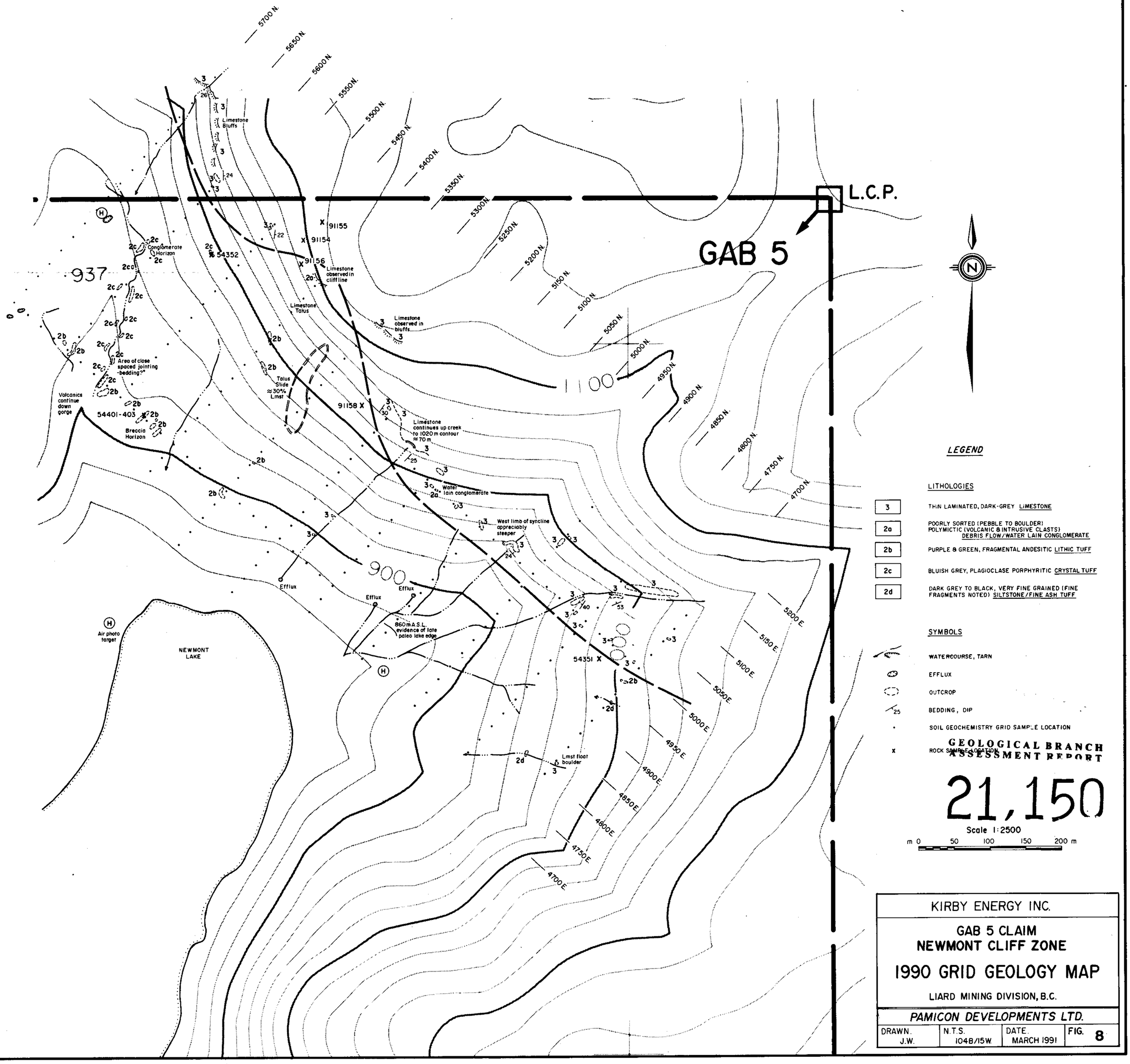
KIRBY ENERGY INC.

GAB 5 CLAIM
1990 Zn SOIL CONTOUR TRAVERSE

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

DRAWN.	N.T.S.	DATE.	FIG. No.
J.W.	104B/15W	March, 1991	7



LEGEND

LITHOLOGIES

- 3 — THIN LAMINATED, DARK-GREY LIMESTONE
- 2a — POORLY SORTED (PEBBLE TO BOULDER) POLYMICTIC (VOLCANIC & INTRUSIVE CLASTS) DEBRIS FLOW/WATER LAIN CONGLOMERATE
- 2b — PURPLE & GREEN, FRAGMENTAL ANDESITIC LITHIC TUFF
- 2c — BLUISH GREY, PLAGIOCLASE PORPHYRITIC CRYSTAL TUFF
- 2d — DARK GREY TO BLACK, VERY FINE GRAINED (FINE FRAGMENTS NOTED) SILTSTONE/FINE ASH TUFF

SYMBOLS

- WATERCOURSE, TARN
- EFFLUX
- OUTCROP
- 25 — BEDDING, DIP
- SOIL GEOCHEMISTRY GRID SAMPLE LOCATION
- x — ROCK SAMPLE LOCATION

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,150

Scale 1:2500

m 0 50 100 150 200 m

KIRBY ENERGY INC.

GAB 5 CLAIM
NEWMONT CLIFF ZONE
1990 GRID GEOLOGY MAP

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

DRAWN.	N.T.S.	DATE.	FIG.
J.W.	104B/15W	MARCH 1991	8

LEGEND

LITHOLOGIES

3	THIN LAMINATED, DARK-GREY LIMESTONE
2a	POORLY SORTED (PEBBLE TO BOULDER) POLYMICTIC (VOLCANIC & INTRUSIVE CLASTS) DEBRIS FLOW/WATER LAIN CONGLOMERATE
2b	PURPLE & GREEN, FRAGMENTAL ANDESITIC LITHIC TUFF
2c	BLUISH GREY, PLAGIOCLASE PORPHYRITIC CRYSTAL TUFF
2d	DARK GREY TO BLACK, VERY FINE GRAINED (FINE FRAGMENTS NOTED) SILTSTONE/FINE ASH TUFF

SYMBOLS

- WATERCOURSE, TARN
- EFFLUX
- OUTCROP
- 25 — BEDDING, DIP
- 20 — SOIL GEOCHEMISTRY GRID SAMPLE LOCATION SHOWING Au IN PPB

Scale 1:2500

m 0 50 100 150 200 m

KIRBY ENERGY INC.

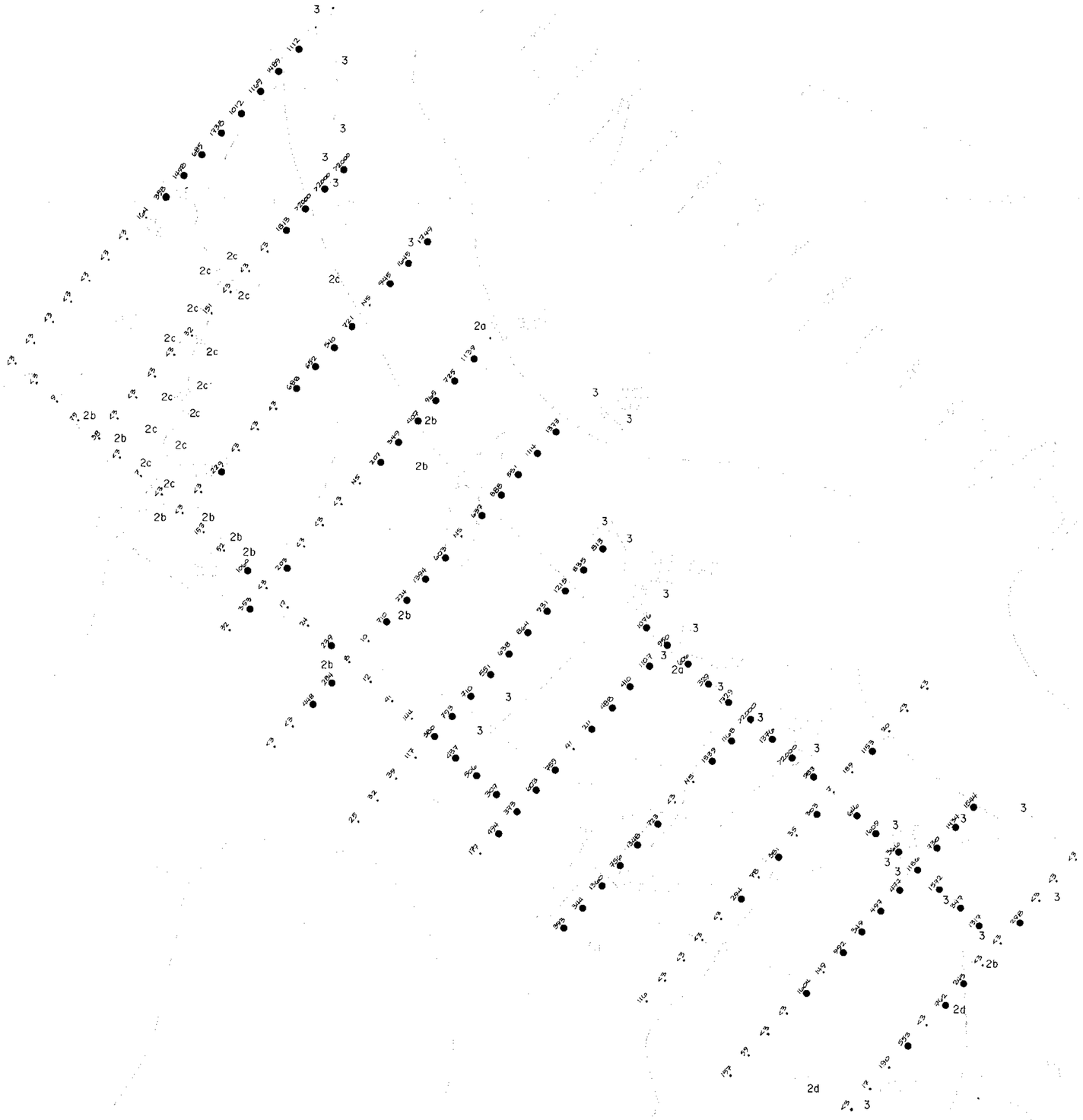
GAB 5 CLAIM
NEWMONT CLIFF ZONE

Au SOIL GRID

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

DRAWN.	N.T.S.	DATE.	FIG.
J.W.	104B/15W.	MARCH 1991	9



LEGEND

LITHOLOGIES

3	THIN LAMINATED, DARK-GREY LIMESTONE
2a	POORLY SORTED (PEBBLE TO BOULDER) POLYMICTIC (VOLCANIC & INTRUSIVE CLASTS) DEBRIS FLOW/WATER LAIN CONGLOMERATE
2b	PURPLE & GREEN, FRAGMENTAL ANDESITIC LITHIC TUFF
2c	BLUISH GREY, PLAGIOCLASE PORPHYRITIC CRYSTAL TUFF
2d	DARK GREY TO BLACK, VERY FINE GRAINED (FINE FRAGMENTS NOTED) SILTSTONE/FINE ASH TUFF

SYMBOLS

- WATERCOURSE, TARN
- EFFLUX
- OUTCROP
- BEDDING, DIP
- SOIL GEOCHEMISTRY GRID SAMPLE LOCATION
- As SAMPLE >100 PPB

Scale 1:2500

m 0 50 100 150 200 m

KIRBY ENERGY INC.

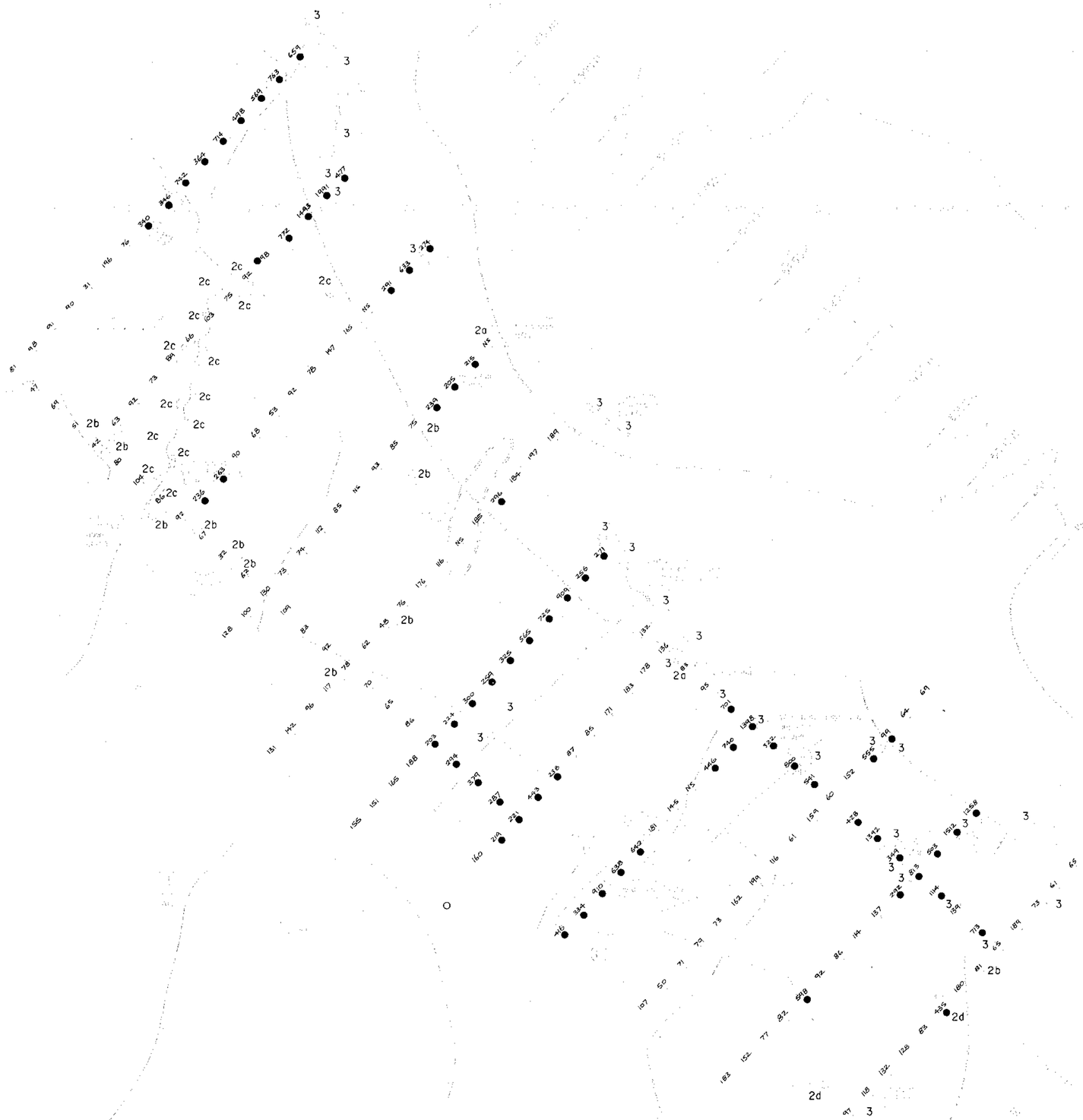
GAB 5 CLAIM
NEWMONT CLIFF ZONE

As SOIL GRID

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

DRAWN.	N.T.S.	DATE.	FIG.
J.W.	104 B/15 W.	MARCH 1991	10



N

LEGEND

LITHOLOGIES

3	THIN LAMINATED, DARK-GREY LIMESTONE
2a	POORLY SORTED (PEBBLE TO BOULDER) POLYMICTIC (VOLCANIC & INTRUSIVE CLASTS) DEBRIS FLOW/WATER LAIN CONGLOMERATE
2b	PURPLE & GREEN, FRAGMENTAL ANDESITIC LITHIC TUFF
2c	BLUISH GREY, PLAGIOCLASE PORPHYRITIC CRYSTAL TUFF
2d	DARK GREY TO BLACK, VERY FINE GRAINED (FINE FRAGMENTS NOTED) SILTSTONE/FINE ASH TUFF

SYMBOLS

- WATERCOURSE, TARN
- EFFLUX
- OUTCROP
- 25 BEDDING, DIP
- SOIL GEOCHEMISTRY GRID SAMPLE LOCATION
- 813 Zn (PPM)

Scale 1:2500

m 0 50 100 150 200 m

KIRBY ENERGY INC.

GAB 5 CLAIM
NEWMONT CLIFF ZONE

Zn SOIL GRID

LIARD MINING DIVISION, B.C.

PAMICON DEVELOPMENTS LTD.

DRAWN.	N.T.S.	DATE.	FIG.
J.W.	104 B/15 W.	MARCH 1991	11