MAP NO.	ASSESSMENT REPORT	X	DOCUMENT NO.:	092103
	PROSPECTUS		MINING DISTRICT:	WATSON LAKE
	CONFIDENTIAL	X	TYPE OF WORK:	GEOLOGICAL, GEOCHEMICAL,
105 F 8, 9	OPEN FILE			GEOPHYSICAL, TRENCHING

REPORT FILED UNDER: Golden Pavilion Resources

DATE PERFORMED: 1987 DATE FILED: February 29, 1988

LOCATION: LAT.: 61°29'N AREA: White Creek

LONG.: 132°17'W VALUE $: 19,550.00

CLAIM NAME & NO.: SUSAN; ST. PETER; JESSICA; REGAN
(9-16) (1-8) (1-8) (1-38)

WORK DONE BY: Brian V. Hall

WORK DONE FOR: Golden Pavilion Resources

DATE TO GOOD STANDING		REMARKS: #12 SONNY
		fund

Indian and Northern Affairs Canada | Affaires indiennes et du Nord Canada

M.R. file no.

R.M.M.R. file no.

Date forwarded 26 Feb 88

TRANSMITTAL FORM

From ▶ Mining Recorder at: WATSON LAKE

To ▶ Regional Manager, Mineral Rights at Whitehorse, Y.T.

OFFICE OF THE REGIONAL MANAGER MINERAL RIGHTS FEB 29 1988 WHITEHORSE YUKON TERRITORY

ENTERED

For action are:

☐ NEW APPLICATION FOR PLACER LEASE TO PROSPECT	Name		
☐ RENEWAL APPLICATION PLACER LEASE TO PROSPECT	Name	Lease no.	
☐ AFFIDAVIT OF EXPENDITURE ON PLACER LEASE	Name	Lease no.	
☐ SECURITY DEPOSIT			
☐ FINANCIAL ABILITY			
☐ ASSIGNMENT OF PLACER LEASE NO.	From	To	
☐ GROUPING APPLICATION UNDER SEC. 52(2) PLACER MINING ACT.	Owner		
☐ DIAMOND DRILL LOGS	Claims	Claim sheet no.	
☑ QUARTZ ASSESSMENT REPORT	Claims: Susan, St. Peter, Jessica, Sonny, Regan	Claim sheet no.: 105-F-8/9	
	Type of report: G. Mag Survey, Sampling	Submitted by: Brian V. Hall.	
	Cls. work performed on: St. Peter 1-8, Regan 1-3, 5, 9, Sonny 1-4, 9-12 Jessica 1-6; Susan 13-16	$ req. for ren. application: 19,550.00	

TO GEOLOGY

Signature

Date returned 1st March, 1988

REPLY ACTION

Approved for amount required

Signature

802-6027-26 (6-86)

092103

N.T.S. 105 F/8
Latitude 61°29'
Longitude 132°17'

REPORT ON THE GEOLOGICAL MAPPING,

MAGNETOMETER SURVEY, SOIL AND ROCK SAMPLING

CONDUCTED ON THE

SUSAN, ST. PETER, JESSICA

SONNY, AND REGAN CLAIM BLOCKS;

WATSON LAKE MINING DISTRICT, YUKON

GOLDEN PAVILION RESOURCES
1052 Esquimalt Avenue
West Vancouver, B.C.

BRIAN V. HALL, M.SC.

January 14, 1988

092103

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 19550.00 .

for Regional Manager, Exploration and Geological Services for Commissioner of Yukon Territory.

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1. INTRODUCTION

At the request of Richard D. Somerville, Principal of Golden Pavilion Resources an extensive "grass roots" exploration program was carried out on the company's holdings in the White Creek area of the Yukon. The first phase of the program consisted of geological mapping, soil geochemistry, prospecting, line cutting and a magnetometer survey. This was initiated in the middle of July by a four man crew working out of a helicopter supported fly camp. At the middle of September a decision was made to cover more of the favorable stratigraphic interval by soil sampling, plus trench some of the more promising mineralization outlined during the first phase of exploration.

In total approximately 65 kilometers of flag line grid was established. Over this grid geological mapping at a scale of 1:2,500, plus prospecting was conducted. In addition a proton magnetometer survey was carried out along with the collection of 1,209 soil samples, 8 silt samples, plus 215 rock samples. Two 9 meter long trenches were also blasted and exposed to bedrock, plus three $40m^2$ drill pads were constructed. Additional claim staking was also carried out bringing the total number of claims held by Golden Pavilion to 74. Exclusive of the original claim staking to date approximately $90,000 has been expended on the property.

As a result of a limited amount of work in 1985 (Hall, B.V. 1986), plus this past years program at a total of 35 mineralized showings have been located. Of these most are considered to represent new discoveries. The most significant of which appears to have a strike length of approximately 1.2 kilometers and a width of at least 8 meters. High values for Au, Ag and Pb range up to 0.29 oz/ton, 8.0 oz/ton and 1.5% respectively within the central 300 meters of this zone.

Geologically most of the mineralized showings appear to represent manto-type deposits. Mineralogically they consist of siderite, with minor amounts of pyrite, pyrrhotite, arsenopyrite and quartz. However, in some of the more promising showings massive sulphides containing variable amounts of pyrite, pyrrhotite, arsenopyrite, galena and chalcopyrite are present. Some quartz veins hosting minor amounts of sulphides are also present. Often these are in close association to the manto or in the case of vertical mineralization, chimney deposits. Hosting these deposits is a lower Cambrian limestone unit, which is the host to all the manto deposits in the district.

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A number of multi-element soil anomalies were located. In addition, the proton magnetometer survey outlined a number of features which appear to represent manto-type mineralization. Further work is required next year to evaluate in detail the areas of interest located this past year.

1.1 Location and Access

The property is situated roughly in the centre of the Pelly Mountains, of the southern Yukon. Whitehorse is located approximately 150 kilometers to the southwest (Figure 1), with Ross River (population 400) lying 50 kilometers to the north.

Access to Ross River is afforded by the Robert Campbell and Canol Highways, plus scheduled flights from Whitehorse. The property is best accessed by helicopter, although a relatively good dirt road does come to within 7 kilometers (Figure 2). This road will be maintained year round by Canamax Resources as the access road to their Ketza River Mine. A four wheel drive road from this mine does reach the southern boundary Oxo claims, a distance of roughly 3 kilometers from the northern boundary of the property. The nearest helicopter base is provided by Trans North Turbo Air in Ross River.

1.2 Physiography

The dominant topographic feature is White Creek which flows southwesterly through the northern half of the property. The valley in which White Creek occupies is relatively broad and flat. Glacial action during the last glaciation has no doubt strongly affected the present shape of this valley. In addition this valley appears to be infilled by a considerable amount of overburden. The mountains on either side of White Creek rise up steeply from 1,200 meters (3,900 feet) to over 2,000 meters (6,500 feet).

Alpine to subalpine conditions dominate the upper elevations of the claim block where outcrop is relatively abundant. Whereas wooded conditions occur in the valley of White Creek where outcrop is scarce. The annual snowfall is generally less than 2 meters although local accumulations of up to 15 meters are present. In

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GOLDEN PAVILION RESOURCES

SUSAN, ST.PETER, REGAN, JESSICA, SONNY CLAIMS

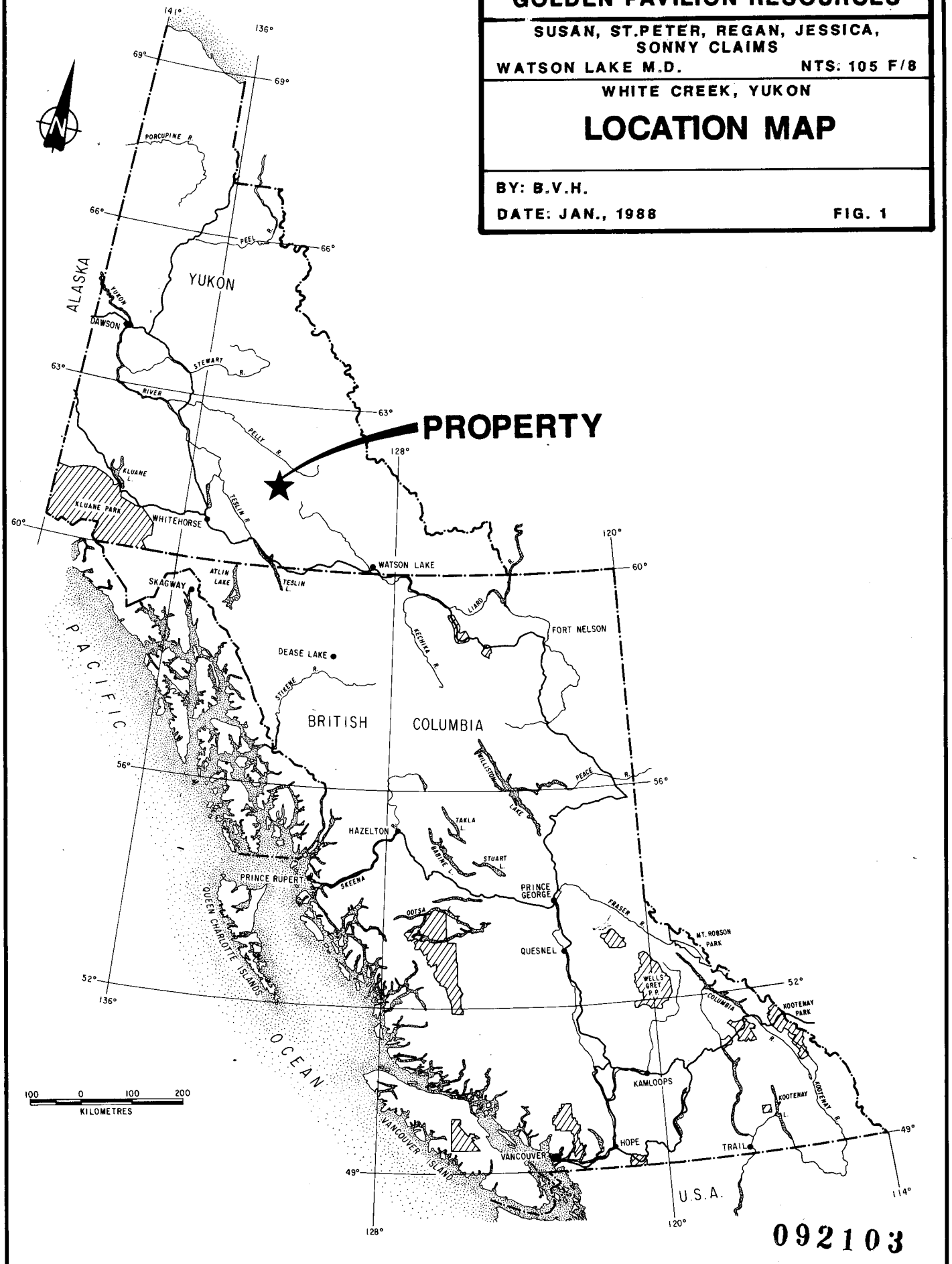
WATSON LAKE M.D. **NTS: 105 F/8**

WHITE CREEK, YUKON

LOCATION MAP

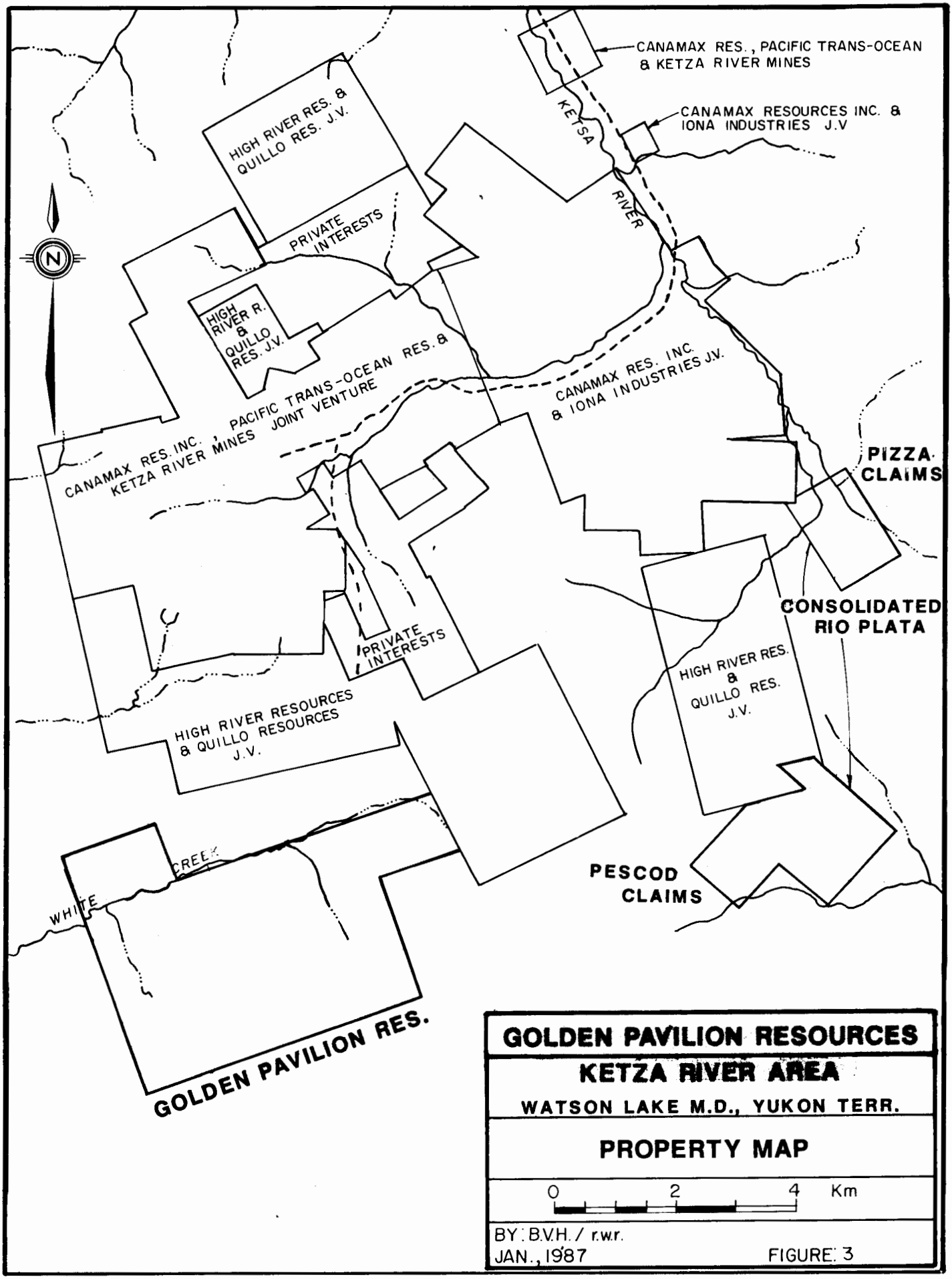
BY: B.V.H.

DATE: JAN., 1988 **FIG. 1**



092103

R.W.R. MINERAL GRAPHICS LTD.


CANAMAX RES., PACIFIC TRANS-OCEAN & KETZA RIVER MINES
CANAMAX RESOURCES INC. & IONA INDUSTRIES J.V
KETSA RIVER
HIGH RIVER RES. & QUILLO RES. J.V.
PRIVATE INTERESTS
HIGH RIVER R. & QUILLO RES. J.V.
CANAMAX RES. INC., PACIFIC TRANS-OCEAN RES. & KETZA RIVER MINES JOINT VENTURE
CANAMAX RES. INC. & IONA INDUSTRIES J.V.
PIZZA CLAIMS
CONSOLIDATED RIO PLATA
PRIVATE INTERESTS
HIGH RIVER RESOURCES & QUILLO RESOURCES J.V.
HIGH RIVER RES. & QUILLO RES. J.V.
PESCOD CLAIMS
WHITE CREEK
GOLDEN PAVILION RES.
GOLDEN PAVILION RESOURCES
KETZA RIVER AREA
WATSON LAKE M.D., YUKON TERR.
PROPERTY MAP
0 2 4 Km
BY: B.V.H. / r.w.r.
JAN., 1987
FIGURE: 3

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general the area occupied by the grid is clear of snow from the beginning of July through to the latter part of September.

1.3 Claim Information

The property currently consists of 74 lode claims consisting of the St. Peter 1-8, Susan 9-16, Jessica 1-8, Sonny 1-12 and Regan 1-38 claims (Figure 3). Title to the St. Peter 1-8 and Susan 9-16 claims are presently held by Stan Case of 2511 - 171 Street, Edmonton, Alberta; with the Regan 1-38, Sonny 1-12 and Jessica 1-8 being held by Richard D. Somerville of 1052 Esquimalt Avenue, West Vancouver, B.C.

In accordance with Section 45 of the Yukon Quartz Mining Act most of the St. Peter and Susan claim posts have been tagged, and with the exception of the Regan 11-38 title to all the claims having been granted. For the Regan 11-38 claims the claims have been recorded and the titles are assumed to be forthcoming in the immediate future. Assessment work was filed on September 30, 1987 for the work completed this past field season. This work covers all the claims except the Susan 9-12 which are being allowed to lapse and the Regan 11-38 which were not staked at the time.

TABLE 1

Claim Information

Claim Name	Record Number	Group Number	Staking Date	Expiry Date
Susan 9	YA99768		January 18/87	January 26/88
Susan 10	YA99769		January 18/87	January 26/88
Susan 11	YA99770		January 18/87	January 26/88
Susan 12	YA99771		January 18/87	January 26/88
Susan 13	YA99772	1	January 18/87	April 1/92
Susan 14	YA99773	1	January 18/87	April 1/92
Susan 15	YA99774	1	January 18/87	April 1/92
Susan 16	YA99775	1	January 18/87	April 1/92
St. Peter 1	YA99516	2		April 1/92
St. Peter 2	YA99517	2		April 1/92

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Claim Name	Record Number	Group Number	Staking Date	Expiry Date
St. Peter 3	YA99518	2		April 1/92
St. Peter 4	YA99519	2		April 1/92
St. Peter 5	YA99520	2		April 1/92
St. Peter 6	YA99521	2		April 1/92
St. Peter 7	YA99522	2		April 1/92
St. Peter 8	YA99523	2		April 1/92
Jessica 1	YB01159	1	July 28/87	April 1/92
Jessica 2	YB01160	1	July 28/87	April 1/92
Jessica 3	YB01161	1	July 28/87	April 1/92
Jessica 4	YB01162	1	July 28/87	April 1/92
Jessica 5	YB01163	1	July 28/87	April 1/92
Jessica 6	YB01164	1	July 28/87	April 1/92
Jessica 7	YB01165	1	July 28/87	April 1/92
Jessica 8	YB01166	1	July 28/87	April 1/92
Sonny 1	YB01167	3	August 5/87	April 1/92
Sonny 2	YB01168	3	August 5/87	April 1/92
Sonny 3	YB01169	3	August 5/87	April 1/92
Sonny 4	YB01170	3	August 5/87	April 1/92
Sonny 5	YB01171	3	August 5/87	April 1/92
Sonny 6	YB01172	3	August 5/87	April 1/92
Sonny 7	YB01173	3	August 5/87	April 1/92
Sonny 8	YB01174	3	August 5/87	April 1/92
Sonny 9	YB01175	3	August 5/87	April 1/92
Sonny 10	YB01176	3	August 5/87	April 1/92
Sonny 11	YB01177	3	August 5/87	April 1/92
Sonny 12	YB01178	3	August 5/87	April 1/92
Regan 1	YB61179	2	August 8/87	April 1/92
Regan 2	YB61180	2	August 8/87	April 1/92
Regan 3	YB61181	2	August 8/87	April 1/92
Regan 4	YB61182	2	August 8/87	April 1/92
Regan 5	YB61183	2	August 8/87	April 1/92
Regan 6	YB61184	2	August 8/87	April 1/92
Regan 7	YB61185	2	August 8/87	April 1/92

Claim Name	Record Number	Group Number	Staking Date	Expiry Date
Regan 8	YB61186	2	August 8/87	April 1/92
Regan 9	YB61187	2	August 8/87	April 1/92
Regan 10	YB61188	2	August 8/87	April 1/92
Regan 11			September 29/87	October 10/88
Regan 12			September 29/87	October 10/88
Regan 13			September 29/87	October 10/88
Regan 14			September 29/87	October 10/88
Regan 15			September 29/87	October 10/88
Regan 16			September 29/87	October 10/88
Regan 17			September 29/87	October 10/88
Regan 18			September 29/87	October 10/88
Regan 19			September 29/87	October 10/88
Regan 20			September 29/87	October 10/88
Regan 21			September 29/87	October 10/88
Regan 22			September 29/87	October 10/88
Regan 23			September 29/87	October 10/88
Regan 24			September 29/87	October 10/88
Regan 25			September 29/87	October 10/88
Regan 26			September 29/87	October 10/88
Regan 27			September 29/87	October 10/88
Regan 28			September 29/87	October 10/88
Regan 29			September 29/87	October 10/88
Regan 30			September 29/87	October 10/88
Regan 31			September 29/87	October 10/88
Regan 32			September 29/87	October 10/88
Regan 33			September 29/87	October 10/88
Regan 34			September 29/87	October 10/88
Regan 35			September 29/87	October 10/88
Regan 36			September 29/87	October 10/88
Regan 37			September 29/87	October 10/88
Regan 38			September 29/87	October 10/88

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1.4 Property History

The first mineral discovery in the district is credited to Hudson Bay Mining in 1947. This resulted in the first claim being staked in 1948 by George Fairclough. He returned in 1954 with another prospector, Erik Erikson and staked the Key claims on what is now known as Iona Silver. Being sufficiently encouraged by the high-grade float found on these claims Dr. W.V. Smitheringale of Conwest Exploration organized a major exploration program in 1955.

Access to the property at this time was cumbersome, involving either a 17 kilometer trek by dogsled or snowshoe in winter, or a 37 kilometer hike by packhorse from a float plane drop at Bruce Lake. However, despite these problems the area was prospected and geologically mapped with additional claims being staked and an assay lab moved in. In 1958 the district was again visited by Conwest, however this time the work concentrated on the gold showings of the Peel Claims. Packhorses although still an integral part of the logistics were gradually being phased out in favour of helicopters. Access improved even more in 1960 when a 58 kilometer long road was built to the Key claims. This road resulted in renewed interest by a number of companies and prospectors (Dalgleish, A. and Sellmer, H.W. 1985).

Archer, Cathro and Associates performed the first recorded work in the area of White Creek in 1967. On the behalf of Northwest Explorers (1967) Ltd. a program consisting of reconnaissance soil sampling and geological mapping was undertaken. As a result of this program several zones of anomalous soil geochemistry were outlined, the best of which occurs on the Chalco 4 and 5 claims (Archer, A.R., 1967, 1968). Although considered to be relatively sophisticated at the time, the relatively wide sampling density (one sample every 400 feet), plus the analysis of only two elements (Ag and Pb) testifies to the reconnaissance nature of this program. Although no mention was made of any outcropping mineralization some tetrahedrite float assaying 490 oz/ton Ag was reported in the vicinity of the Chalco showing. Also completed in 1968 was airphoto coverage for the property.

Between 1976 and 1981 the access road to the district was improved by Iona Silver Mines Ltd. In addition, geological mapping, soil sampling and trenching was

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undertaken along with over 900 meters of underground development of two of the more promising silver-galena veins located on the Key claims. However, this work failed to outline adequate reserves, and with the collapse of silver prices in 1983 exploration activity again ceased. Also in the late 1970's the area of White Creek was again staked, this time as the Sonny claims. However there is no record of any work having been recorded, although the area of the Sonny showing (Figure 5b) has been hand trenched.

Activity on the gold prospects of the Peel claims resumed in 1984 by Canamax Resources Inc. in joint venture with Conwest and Pacific Trans-Ocean Resources. This was a result of a 1983 reconnaissance evaluation of the Pelly Mountains looking for manto or "Midway-type" mineralization by Canamax. After completion of an airborne EM survey, soil sampling, geological mapping and an extensive drill program a production decision was made in 1986. Currently the Peel and Ridge zones are in production with reserves of 506,900 tons of oxide material at a grade of 0.446 oz/ton Au, with reserves of sulphide ore of 595,000 tons of 0.219 oz/ton Au.

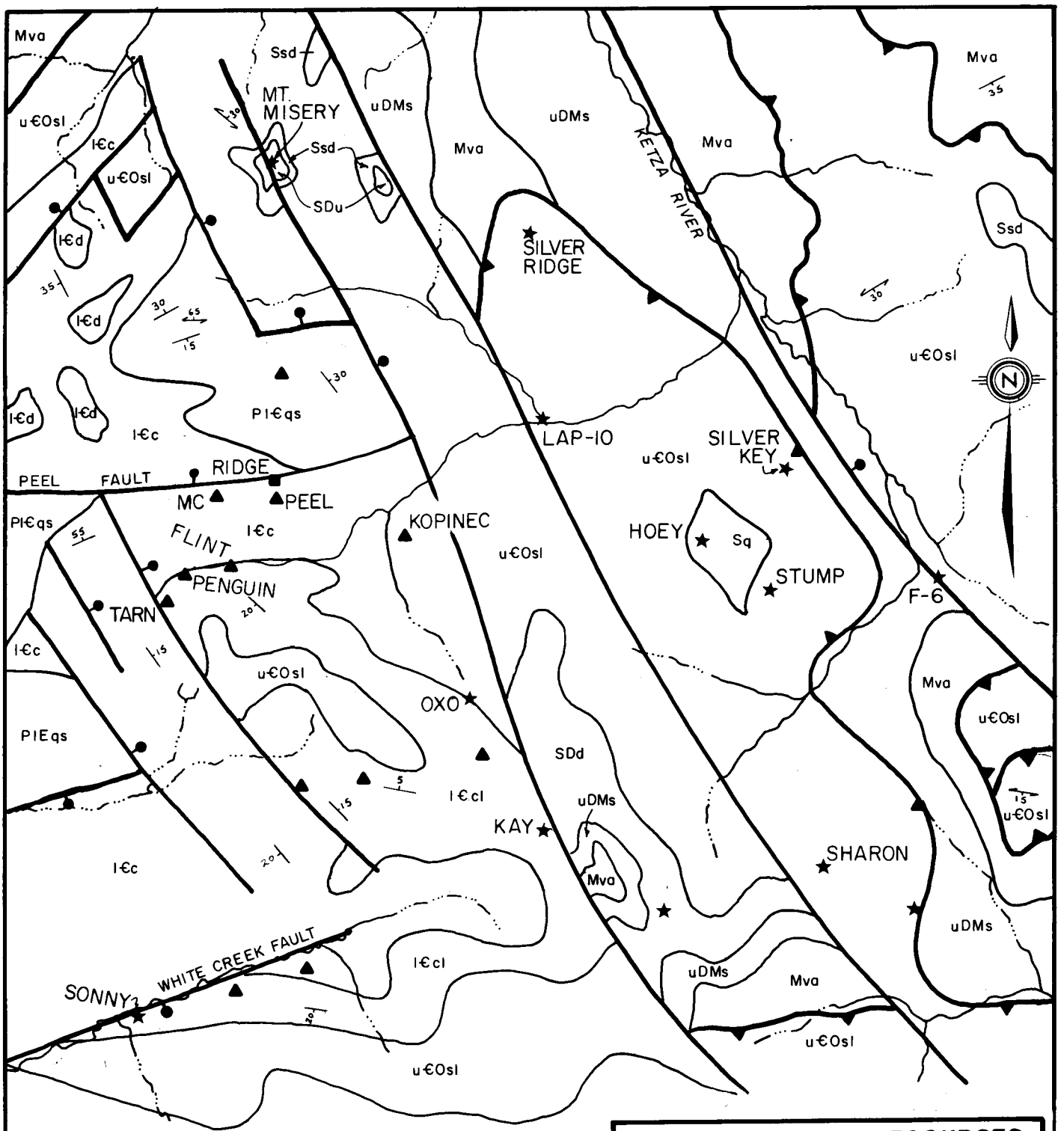
In 1985 exploration resumed in the White Creek area. However, this work was only of preliminary nature involving only a brief evaluation of one of the showings (Hall, B.V., 1986).

2. DISTRICT GEOLOGY

2.1 Stratigraphy and Lithology

Regionally, the district is situated in an uplifted block of miogeosynclinal clastic, volcanic and carbonate rocks known as the Ketza - Seagull Arch (Abott, J.G. 1986). Beginning in the Hadrynian this stratigraphy represents a somewhat discontinuous succession of Paleozoic carbonates, phyllites and quartzites which are overlain by an allochonous sequence of upper Devonian to Mississippian volcanics and sediments. Deformation during a Mesozoic arc-continent collision has resulted in the emplacement of the allochonous rocks, plus the development of most of the major structures (Templeman-Kluit, D., 1977, 1979).

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MISS. Mva MAFIC VOLCANICS
DEV. uDMs GRAPHITIC SHALES
SDd DOLOMITE
SIL. Ssd DOLOMITIC SILTSTONE
Sq ORTHOQUARTZITE
ORD. u€Osl PHYLLITE
l€d DOLOMITE
CAMB l€c CALCAREOUS ARGILLITE
l€cl LIMESTONE
PRE-CAMB Pl€qs SHALE, SANDSTONE

FOLIATION
BEDDING
NORMAL FAULT
THRUST FAULT
▲ SULPHIDE MANTO
■ OXIDE MANTO
★ Ag-Pb VEIN

After TEMPLEMAN-KLUIT D.J. 1977

GOLDEN PAVILION RESOURCES

KETZA RIVER AREA

WATSON LAKE M.D., YUKON TERR.

DISTRICT GEOLOGY

0 2 4 Km

BY: B.V.H./r.w.r.
JAN., 1987 FIGURE: 4

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The Hadrynian to lower Cambrian stratigraphy begins with a sequence of thin banded slates and shaley quartzites. This unit is considered to be equivalent to the Windermere Group elsewhere in the Cordillera (Templeman-Kluit et.al. 1976) and is shown on Figure 4 as lPfqs. Overlying this is a lower Cambrian series of limestones, calcareous argillites and dolomites. These represent part of a carbonate facies belt on the west edge of the North American craton which comprises in part the Pelly-Cassiar Platform. According to Read (1980) this lower Cambrian carbonate succession is estimated to be up to 700 meters thick. Within the immediate Ketza River area the thickness of the archaeocyathid buildup is estimated by Canamax Resources Inc. to be up to 180 meters. In addition some 30 meters of paleotopography is also indicated by the thickness of a distinctive green mudstone unit which overlies the carbonates. Dolomitization also appears to be most prevalent along the upper contact of this carbonate unit. This appears to be related to the unconformity which immediately overlies this unit, although some dolomitization is present along some late faults and fractures. (Parry S., Personal Communication, 1985).

Unconformably overlying the lower Cambrian strata is an upper Cambrian phyllite unit (uCo_Sl on Figure 4). This unit consists predominantly of a medium gray chlorite-muscovite quartz phyllite which is locally calcareous (Templeman-Kluit, D. 1977). To the south in the McDame Mapsheet this unit is considered to represent the Kechika Group of Gabrielse (1963). Interspersed within this unit are minor lenses of mafic tuff, represented by chloritic phyllites. A total thickness for this unit is estimated to be about 1,000 meters (Templeman-Kluit D. et al 1976).

Conformably overlying the calcareous phyllites is a 1.0 kilometer thick interval of recessive weathering black graphtolitic slate of early to late Ordovician age. Elsewhere in the Yukon this unit represents the Road River Formation, which is also a member of the Kechika Group.

Lower to middle Silurian orthoquartzites (Sq) and dolomitic siltstones (SDd) conformably overlie the Kechika Group. The well sorted nature of these sediments suggest deposition in a beach environment. To the south in the McDame map area this unit is known as the Sandpile Group (Gabrielse, H. 1963).

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Between the middle Silurian and lower Devonian an angular unconformity separates the middle to lower Devonian dolomites and Silurian orthoquartzites from the underlying strata. Above the lower Devonian dolomites and orthoquartzites are upper Devonian to Mississippian graphitic shales which can be considered to be equivalent to the lower Sylvestor Group on the McDame mapsheet (Gabrielse, H. 1963).

An allocthonous package of mafic volcanics, pyroclastics, cherts and argillites overlies the Hadrynian to lower Paleozoic strata. Although some confusion exists over the precise age relationships of this somewhat chaotic package, it is generally considered to be Mississippian to Permian in age. Possible equivalents to this package would be the upper Sylvestor Formation in the McDame map area (Gabrielse, H. 1963) or the Anvil Range Group to the northwest of the Tintina Trench (Templeman-Kluit, D.J. 1972).

Immediately to the south and west of the area represented by Figure 4 sits a northwest trending series of Mississippian syenites and Cretaceous quartz monzonites (Templeman-Kluit, D.J. 1977). In the centre of the district the presence of a buried intrusive is suggested by the hornfelsing of some of the quartzites. In addition the outline of the uplifted block of Hadrynian to lower Cambrian strata is northwesterly, which is the same as the outlying intrusives. (Steve Parry, Personal Communication, 1985; Abott, J.G., 1986).

2.2 Structure

For the most part the structure of the district is relatively simple in comparison to the highly deformed strata which occupies much of the Pelly Mountains.

Faulting has played an important role in the structural evolution of this district with the earliest faults representing a series of northeasterly directed thrust sheets (Figure 4). Accompanying this thrust faulting is some localized drag folding in the hanging wall blocks. Recent mapping has shown the geology of the Ketza River District to be dominated by four major thrust faults. From southwest to northeast these are the; McConnell Thrust, Upper and Lower Seagull Thrusts, Upper and Lower Porcupine Thrusts, and Cloutier Thrust (Abott, J.G., 1986).

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Subsequently the area was affected by a series of northwesterly trending normal faults and a set of north to northeasterly trending high-angle faults. Based upon offsetting relationships on the northeasterly striking Peel Fault, it appears that the northwesterly striking normal faults are older. This permits the northwesterly striking normal faults to be related to the thrusting which is also a relatively old event. Having established the time connection it is likely the northwesterly striking normal may be a relaxation feature. This would be related to a decrease in the degree of stress upon cessation of the thrusting.

Looking at the sense of offset for the east to northeasterly trending faults it is evident that the central portion of the district has the overall structure of a horst. Since the sense of displacement for the thrust faults is to the northeast, the lowest thrust sheet is the Cloutier Block. This occupies much of the Ketza-Seagull Arch. Outward from the centre of this horst the stratigraphy becomes progressively younger from a central block core by pre-Cambrian sediments. In addition the upper thrust blocks such as the Seagull and Porcupine thrusts become exposed. This chronology also implies that the Seagull and Porcupine thrusts may be one and the same only separated by an area of uplift.

2.3 Mineralization

Shown on Figure 4 are a number of the more important mineral occurrences. At present over 50 occurrences are known. These can be divided into four main categories; 1) sulphide mantos, 2) sulphide veins, 3) oxide mantos and 4) stockwork zones.

The most important of which are the sulphide and oxide mantos. In general the sulphide mantos can be best described as stratabound pyrrhotite-arsenopyrite-pyrite bodies which have the general morphology of tubes. Dimensions of these tubes are up to 450 meters long, by 150 meters wide and up to 45 meters thick. Within these the sulphides are coarse grained displaying many textures indicative of replacement. Characteristically where pyrite, pyrrhotite and arsenopyrite are present, the pyrrhotite tends to form the matrix material. The gold tends to be most abundant in the thicker portions of the mantos occurring as 20 micron sized grains along the boundaries of the pyrrhotite and arsenopyrite grains. Irregular to

rounded inclusions of limestone occur within the sulphides which appear to be relatively unaltered. In addition wallrock alteration is virtually non-existent. Stratigraphically most of the mantos occur within 20 meters of a mudstone marker which occurs at the top of the lower Cambrian carbonates. Below this the mantos tend to be chimney shaped, crosscutting the stratigraphy. Structurally four of the largest mantos line up parallel to the easterly trend of the Peel Fault. Collectively, the mineralogy of the mantos changes outward from the centre of the district from being composed dominantly of pyrrhotite, arsenopyrite and pyrite; to pyrite and siderite with minor amounts of pyrrhotite and arsenopyrite; to barren siderite and ankerite (Steve Parry, Personal Communication, 1985). Galena and sphalerite are also present in some mantos (Abott, J.G. 1986).

At present the oxide mantos are the most important gold-bearing deposits. These are similar in many respects to the sulphide mantos except the sulphide minerals have been oxidized to goethite and limonite. Associated with the oxidation is an increase in gold grade, plus a decrease in environmental and milling problems. The two largest are the Ridge and Break zones which collectively comprise the bulk of the oxide ore at Canamax's Ketza River Mine. Since in places the oxide zones have been offset by Cretaceous faulting, it is thought the oxidization occurred prior to the Ketza - Seagull Uplift (Steve Parry, Personal Communication 1986). Also some quartz which is adjacent to the Peel Fault has been fragmented suggesting emplacement prior to the last movement of the Peel Fault (Steve Parry, Personal Communication, 1985).

The sulphide veins can be further subdivided into two distinct mineralogies. The first are pyrrhotite-arsenopyrite bearing veins which are quite similar in mineralogy to the sulphide mantos. Generally, these occur as steeply dipping pods within northwest to northeast trending fault structures, and may represent chimneys. The largest of these zones has a strike length of 150 meters with a maximum thickness of 7.5 meters. Along strike these veins tend to horsetail out into small veinlets of sparry calcite (Steve Parry, Personal Communication, 1985).

The second main type of sulphide veins are composed dominantly of galena, siderite and quartz. These occur predominantly in the eastern portion of the Ketza River area, with the largest and best explored occurring on ground presently held by Iona

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Industries. Few of these veins exceed 1.0 meter in width with the largest being the A-1 Vein (Stump Mine). This contains reserves of 50,000 tons of 17 oz/ton Ag and 12% Pb with the possibility of an additional 124,000 tons of a similar grade (Morin, J.A. and Downing, D.A., 1984). In general the mineralogy of these veins consist of varying amounts of galena, tetrahedrite and pyrite with lessor amounts of sphalerite, pyrrhotite and siderite. Also these veins tend to strike north to northwesterly along structures parallel the north to northwesterly striking normal faults.

Other veins include some small quartz-pyrite-chalcopyrite bearing veins which occur in association with the manto deposits. At present these are considered to be relatively rare and perhaps related to the quartz vein stockwork zones which represent the fourth type of mineral occurrence in the district. The largest is the MC zone (Figure 4) which consists of a weak stockwork of auriferous quartz-chalcopyrite veins that occupy a somewhat large zone in the lower Cambrian limestones (lEcl). However as of yet no tonnage or grade figures have been generated from this zone (Steve Parry, Personal Communication, 1985).

3.0 PROPERTY GEOLOGY

3.1 Stratigraphy and Lithology

In general terms the stratigraphic relations for the property are relatively simple. Three major units consisting of a middle lower Cambrian package of calcareous phyllites overlain by limestones are found to underlie a relatively thick unit of Ordovician to Silurian graphitic shales. Separating the lower Cambrian strata from the Ordovician to Silurian strata is what appears to be a major unconformity.

Structurally, the stratigraphy appears to be upright and dipping only slightly to the south. Consequently the oldest rocks on the property occur in the valley of White Creek. These are a series of lower Cambrian calcareous chlorite-sericite phyllites (lCcsp) which contain subordinate amounts of a non-calcareous chloritic phyllite (lCncp).

In outcrop the non-calcareous chlorite-phyllite (lCncp) is fine-grained, thinly bedded, recessive, and characterized by a distinctive pale green-gray colour. In one outcrop (B-563) monolithic, elongated matrix supported, pale green clasts up to 10 centimeters long are present suggesting this rock may be a volcanic breccia (lCcpb). Otherwise outcrops of this rock type are typically fine-grained suggesting they may represent tuffs. In the west-central portion of the property (Figure 5a) this rock becomes relatively abundant with individual bands attaining thicknesses of 75 meters.

The calcareous chlorite-sericite phyllites (lCcsp) are also recessive in outcrop, accounting in part for the relative scarcity of outcrop at the lower elevations. Typically this rock is thinly-bedded, fine-grained and distinguished by a gray to silver colour, plus thin calcareous bands (1-5 mm thick). Another distinctive feature of this rock type is the development of at least two intersecting foliations giving the rock a "wavy-banded" appearance. Individual bands of this rock type can be over 75 meters thick although most are less than 10 meters. According to Read (1980) the environment of deposition for this rock type is likely to be a low energy, subtidal, restricted-marine environment.

In the vicinity of L17E 4N a relatively thin band (5 meters) of chert is present (lCch). This rock type occurs in contact with the lowermost unit of non-calcareous chloritic phyllite (lCncp) and the calcareous chlorite-sericite phyllites (lCcsp). In outcrop this rock type is pale gray-green fine grained, blocky and contains fine laminations which define bedding.

With increasing stratigraphic position in the west-central and eastern portions of the property an argillaceous limestone (lCal) becomes the dominant rock type. In outcrop this rock type produces resistant, dark gray cliffs 10-30 meters thick. In more detail this rock type consists of a series of fine to medium beds of a medium to dark gray limestone which are separated by fine laminations of argillaceous material. A low energy environment is suggested as the bedding is continuous, consisting of a series of parallel laminations. Again according to Read (1980) the most likely environment of deposition for this rock type is subtidal, restricted-marine. Interbedded within this rock type subordinate bands of calcareous chlorite-sericite phyllite, with lessor bands of a calcareous (lCcp) and a non-calcareous chloritic phyllite (lCncp).

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Perhaps the most distinctive and interesting rock type on the property are the massive limestones (lCml). These occur near the top of the lower Cambrian sequence forming a series of cliffs which dominate the skyline of the White Creek area. In outcrop this rock type is pale to medium gray, thick bedded to massive, containing rare archaeocyathids. Based upon a facies interpretation by Read (1980) this rock type is considered to represent a series of patch reefs which grew in shallow water environment. The rigid organic framework of these reefs suggest they were resistant to wave action. Quiet water below the surf zone and probably a normal wave base is suggested because these build ups contain abundant mud matrix and are flanked by low energy deposits which lack thick beds of reef talus. However, a limited amount of physical erosion did occur during reef development as indicated by local accumulations of skeletal sand. Throughout most of the property this unit (lEml) is generally between 20 and 50 meters thick. However, in the vicinity of Lines 35 to 40E (Figure 5b) three separate reefs are present attaining a combined thickness of roughly 200 meters.

Immediately to the hangingwall of the major reefs in the eastern half of the property (Figure 5b) and surrounding the massive limestones (lCml) in the western map sheet (Figure 5a) is a distinctive series of chloritic phyllites (lCncp). These surround the stratigraphically highest unit of massive limestone (lCml) on the western map sheet (Figure 5a). Overlying the upper of these chloritic phyllite units is a distinctive package of graphitic shales (OSgs) which are thought to be Ordovician to Silurian in age. Using these two chloritic phyllite units (lCncp), plus the upper massive limestone unit (lCml) with overlying graphitic shales a reasonably consistent datum can be established over which the stratigraphic relations for the remainder of the property can be established.

The upper of these chloritic phyllite units (lCncp) remains relatively consistent throughout the property, closely resembling the chloritic phyllites which have been described previously. However, the lower of the two varies from being non-calcareous (lCncp) to calcareous (lCcp) across a major fault centered about L11E, 1+00N. In addition a number of outcrops (B-441, C-312 and C-269) of this lower chloritic phyllite unit consist of a dark green massive rock which appears to

contain plagioclase phenocrysts. Based upon the field relationships this rock may either be a mafic volcanic flow or a sill. However due to the spatial proximity this rock type has to rocks which are being interpreted as tuffs for the present this rock type is considered to be a flow (lCmv).

Overlying the lower Cambrian strata is a relatively thick sequence of graphitic shales (OSgs). In outcrop this unit is a recessive, thin bedded, medium to dark gray, non-calcareous shale. In appearance this rock type closely resembles the Road River Formation which occurs in the upper portion of the Kechika Group. Unfortunately graphtolites were not observed, this being a distinctive feature of the Road River Formation. However, due to the similarity this rock type bears to the Ordovician-Silurian Road River Formation, some justification is felt in disagreeing with the regional mapping of Templeman-Kluit (1977) who interprets this rock type as upper Cambrian to Ordovician.

Of particular interest is the nature of the contact which separates the lower Cambrian strata from the overlying graphitic shales (OSgs). Since the bedding and foliation measurements across this contact are relatively consistent, then any displacement along this contact would have to predate the deformation. In addition the stratigraphy in the upper portion of the lower Cambrian strata shows little sign of disruption. This also argues against any tectonic movement along this contact, rather suggests a contact which is disconformable. This hypothesis is supported by the fact that an unconformity is known to be present on top of the lower Cambrian in the southern Yukon and northern British Columbia (Fritz, W.H. and Crimes T.P., 1985; Templeman-Kluit et.al. 1976). In addition the presence of rocks that formed in a shallow water marine environment at the top of the lower Cambrian strata also argues in favour of an unconformity. The only difference between this interpretation and the regional mapping of Templeman-Kluit (1977) is the duration of the emergent conditions (lower Cambrian through to the Ordovician to Silurian as opposed to being only between the lower and upper Cambrian).

The youngest rock type on the property are a series of mafic dykes (Kmd). These dykes are generally between 1 and 3 meters wide and crosscut all other rock types

including the mineralization (outcrop B-522). Typically these dykes are dark to medium green in colour, massive, contain faint plagioclase phenocrysts and are non-magnetic. In general these dykes have two main orientations (N20E, 70 to 90°E; and horizontal). In most cases mineralization in the form of quartz, siderite and pyrite occur in close proximity to these dykes. Also based upon a stereographic projection these dykes have the same general orientations as the mineralization (Figure 6) again implying a genetic link.

3.2 Structure

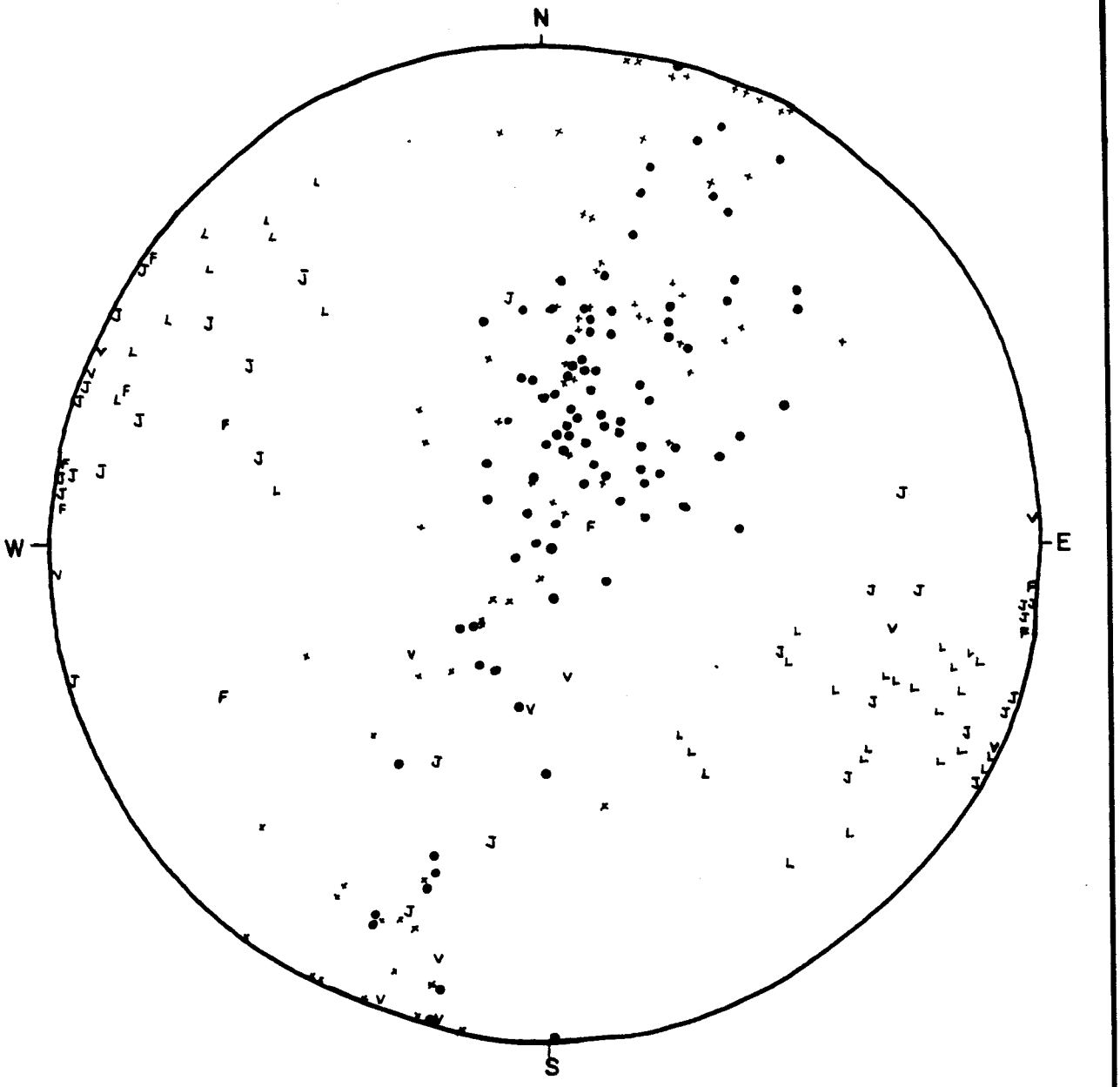
On the outcrop scale the structure appears to be quite complicated as at least two penetrative fabrics are readily distinguishable. However on the map scale (Figures 5a,b) the structure can be reconciled in terms of a shallow dipping homoclinal sequence which has been truncated by a series of northwesterly striking normal faults.

A stereographic projection of all the structural data collected this summer has indicated a number of interesting patterns (Figure 6). Firstly the bedding (Fo) and first phase foliation (F_1) are essentially co-planer. Also since the poles to the F_1 foliation occupy a great circle, a second phase of deformation must have been operative. The existence of this second phase of deformation has been also observed in outcrop by the presence of a foliation crosscutting the F_1 foliation.

On the map scale a number of east-west striking folds are indicated by changes in dip for the bedding and foliation. Based upon the lineation (L_1) measurements these folds tend to plunge to the southeast at a shallow angle. However none of these projected folds appear to affect the outcrop pattern of the different rock units appreciably. Topography appears to have more of an effect.

Also of interest in the stereographic projection is the relatively consistent orientation of the minor faults, joints and mineralized veins. Most of which are oriented between N30E to N, and dip between 65° NW through vertical to 70° to the S.E. This roughly perpendicular to the orientation of the L_1 lineation plus the bedding (Fo) and F_1 foliation. This also implies some structural link between the folding, joints, minor faults and the mineralization.

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- • POLES TO BEDDING (F0)
- x POLES TO FOLIATION (F1)
- J POLES TO JOINTS
- V POLES TO VEINS
- F POLES TO FAULT PLANS
- L LINEATION (L1)

GOLDEN PAVILION RESOURCES

SUSAN, ST.PETER, REGAN, JESSICA, SONNY CLAIMS

WATSON LAKE M.D. NTS: 105 F/8

WHITE CREEK, YUKON

STEREOGRAPHIC PROJECTION OF STRUCTURAL DATA

BY: B.V.H.

DATE: JAN., 1988 FIG. 6

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The only major structures on the property appear to be a series of northwesterly striking normal faults. These faults are discernable by a truncation of magnetic features on the magnetometer survey (Figure 13a, b) and an offset in the stratigraphy for the Reef and Galena Faults. Where a sense of offset can be observed (Galena and Reef Faults) it is east side down in the sense of truly vertical movement. Based upon changes in thickness for some of the major units across these faults a vertical sense of displacement appears to be in order. Also based upon the manner these faults are unaffected by topography they appear to have a vertical dip. The strike for these faults is consistently to northwest at N35W. According to the regional picture this implies a relationship between those faults and the thrusting.

Another structure which is thought to be significant is the White Creek Fault (Templeman-Kluit, D.J., 1977). This fault trends northeasterly along White Creek. However, based upon this years work there is no necessity in placing a fault along White Creek.

3.3 Mineralization

During the course of the geological mapping a number of mineralized zones were mapped and sampled in detail. Many of the showings such as the Main, Ridley, Chris and Gray appear to be part of some larger system. Included as Appendix A is a brief description of all the samples submitted for analysis.

3.3.1 Jessica Showing

Located in the vicinity of L35+00E, 4+25N this was one of the first mineralized zones located this past field season (Figure 5b). At present the known extent of this showing is restricted to outcrop B-427. However, it is quite likely this zone joins up with the mineralization hosted by outcrops B-428, B-429 and B-433, or possibly B-456 (as suggested by the soil geochemistry). Either one of these correlations would give this mineralized zone a strike length of at least 250 meters.

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As presently exposed the mineralization in outcrop B-427 is at least 14 meters wide (Figure 8). For the most part it consists of massive and veined siderite hosted by a recrystallized limestone. Towards the centre of this zone the siderite becomes more massive and the sulphide content increases substantially. In the centre of this zone is a 5 meter wide interval which in places contains up to 50.0% pyrite (samples B-427 c, d, and g). Associated with the pyrite are minor amounts of chalcopyrite, pyrrhotite and arsenopyrite. In general the pyrite is quite coarse grained, present more in the form of coarse disseminations which have the general orientation of 155/35 NE. Peripheral to the high sulphide portions are a series of quartz and sparry calcite veins which comprise up to 5% of the rock. These veins are oriented at 141/39 NE which is roughly the same orientation as the massive pyrite veins and this mineralized zone in general. Along strike to the south (outcrop B-428) the mineralization present in outcrop B-427 appears to grade into massive quartz which contains minor amounts of malachite and pyrite.

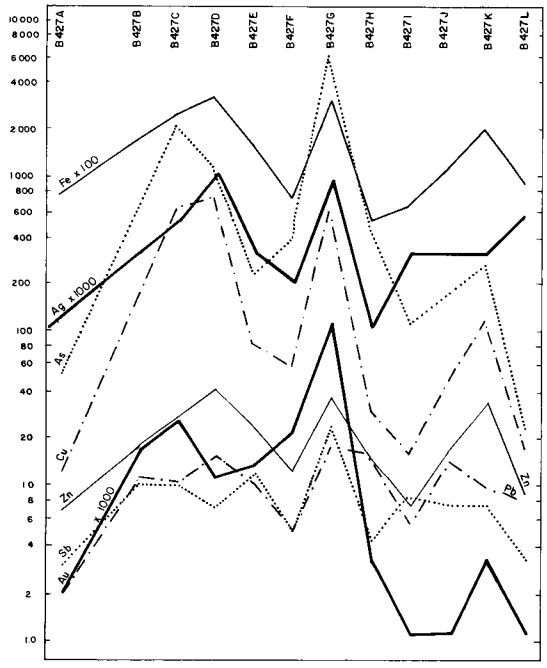
Rock chip samples were collected at 1.0 meter intervals over the mineralized portions of outcrop B-427. Plotted on Figure 8 is the results of this sampling to show the relationship the geochemistry bears to the mineralization. For the most part the values for all elements except Fe were relatively low. The highest Au value was from sample B-427 g (109 ppb). This sample was also highest in As (5,760 ppm), Sb (22 ppm) and Cu (3 ppm). In general the high sulphide samples (B-427 c,d,g) were highest in most elements (Fe, Ag, Au, As, Cu, Zn, Sb and Pb). However, showing the best correlation with the high sulphide samples were As, Au, Cu and Ag. For the remaining elements (Fe, Zn, Sb and Pb) although a correlation exists the pattern was too irregular to be considered significant.

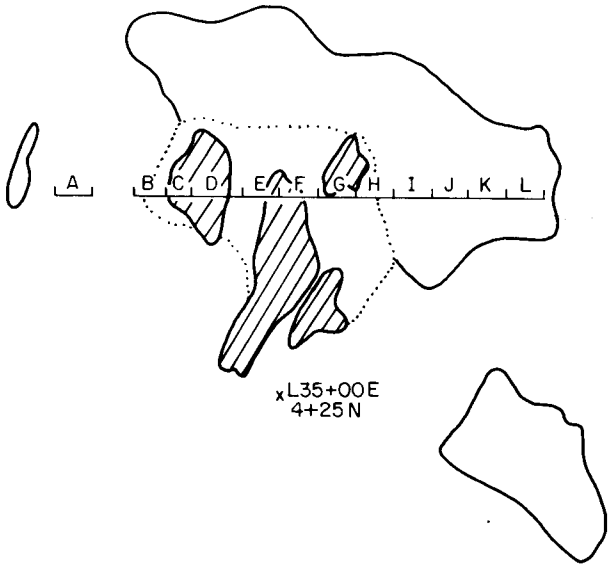
3.3.2 Ridley Showing

Initially this zone was located in the fall of 1985 during the staking of this property. However due to the conspicuous gossan over this zone it has likely been known about for a considerable time period.

Centered about L14E, 0+70N a mini-grid was established over this mineralized zone for the purposes of mapping and sampling (Figure 9a). Although irregular in outline this zone can be traced for at least 150 meters along strike and has thicknesses of

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SCALE 1:200

0 5 10 metres

LEGEND:

MASSIVE SULPHIDE, dominately pyrite, minor chalcopyrite arsenopyrite.

RECRYSTALLIZED LIMESTONE containing siderite veins and minor pyrite.

GOLDEN PAVILION RESOURCES

JESSICA CLAIMS

WHITE CREEK, Y.T.
WATSON LAKE M.D. NTS: 105 F/8

DETAILED GRID OF JESSICA SHOWING B-427

BY: B.V.H.
DATE: DECEMBER, 1987 FIGURE: 8

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up to 5 meters. In general the morphology of the mineralization consists of two components; 1) mantos and 2) chimneys. Both are roughly tube-like with the "mantos" occurring more or less parallel to bedding and the chimneys crosscutting bedding at a high angle.

For the most part the mineralization consists of massive siderite with minor amounts of disseminated pyrite. Hosting the mineralization is a coarsely crystalline limestone which in places has been converted to a calc-silicate (outcrop B-604). Minor amounts of quartz veins are also present (B-608) and although associated with the siderite they appear to be later. The best mineralization occurs in a chimney shaped zone centered about L13+90E. In this zone the pyrite content exceeds 10% in a number of samples (B-613, B-617 and B-618). Where present the pyrite consists of large euhedral cubes which are often aligned parallel to the jointing 8/90°.

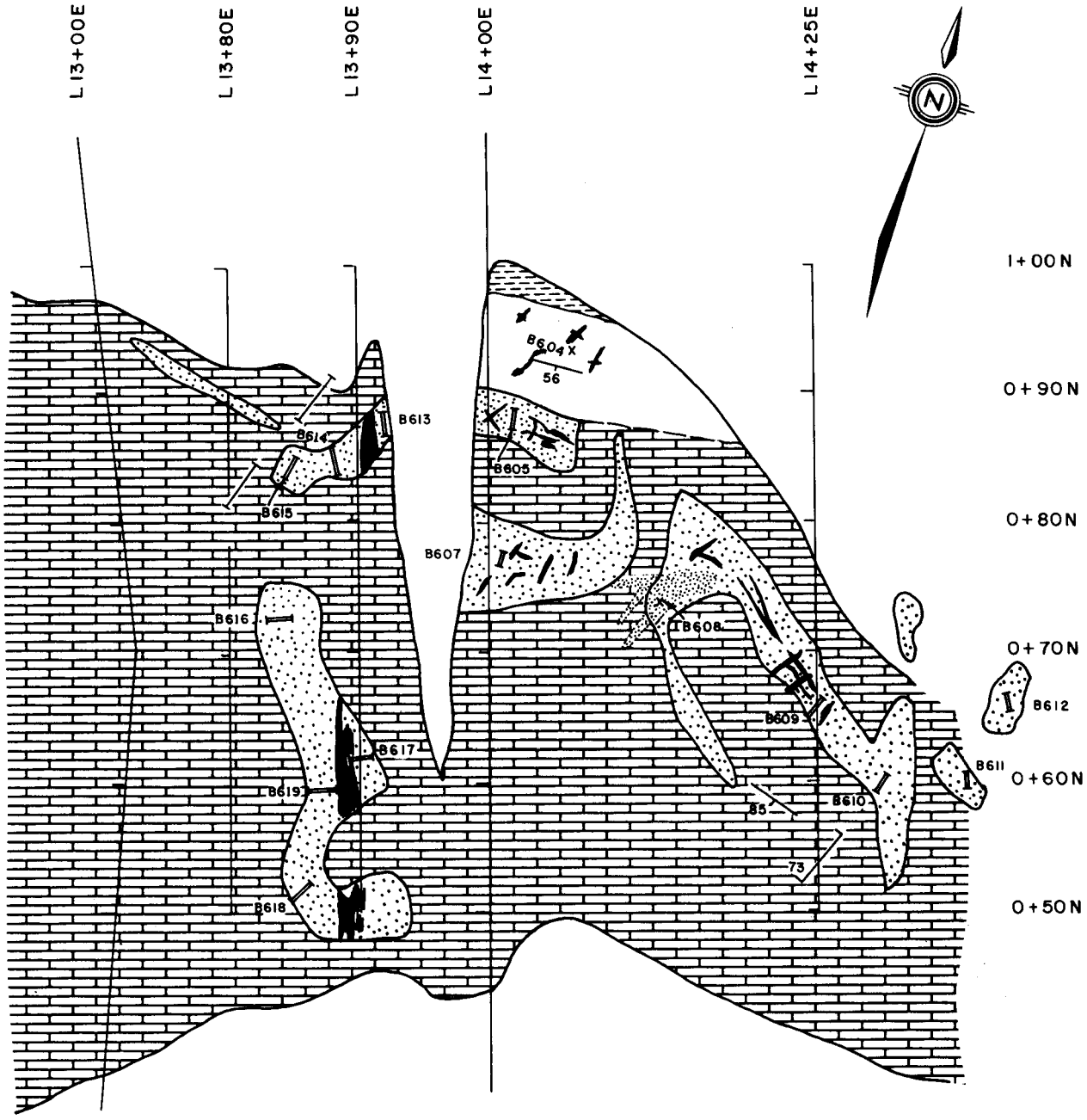
In total 13 channel and 2 grab samples were collected from this zone. The results were uniformly low, except for Fe which generally comprised about 50 wt.% of the rock. Of interest in the chimney shaped portion of this zone centered about L13+90E. Here the values for all elements were on average distinctly higher (Appendix C). Coincident with this zone was an increase in the sulphide content which makes it appear likely both features may be reflecting the internal plumbing system for the mineralization.

Gold, although slightly anomalous in samples B-607, B-614 and B-615 was in general quite low. Associated with the highest Au value (31 ppb, sample B-614) were some of the highest As, Cd and Pb values in this zone. However on average the values were too low and the contrast not enough to permit any definitive correlations to be made.

3.3.3 Gray Showing

Consisting of a conspicuous gossan located about L9+90N, 0+355 this zone received the most intensive amount of work this year. In preparation for drilling, a drill pad was constructed at L10+00E, 0+50S. In addition two 9 meter long trenches were excavated to bedrock. The reason for this interest was the discovery of some

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LEGEND:

- QUARTZ
- PYRITE
- MASSIVE SIDERITE
- CALC-SILICATE
- CHLORITE-SERICITE PHYLLITE
- LIMESTONE

B618 CHANNEL SAMPLE

x GRAB SAMPLE

BEDDING (INCLINED)

JOINTING (INCLINED, VERTICAL)

SCALE 1:500

0 10 20 30

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.
WATSON LAKE M.D. NTS: 105 F/8

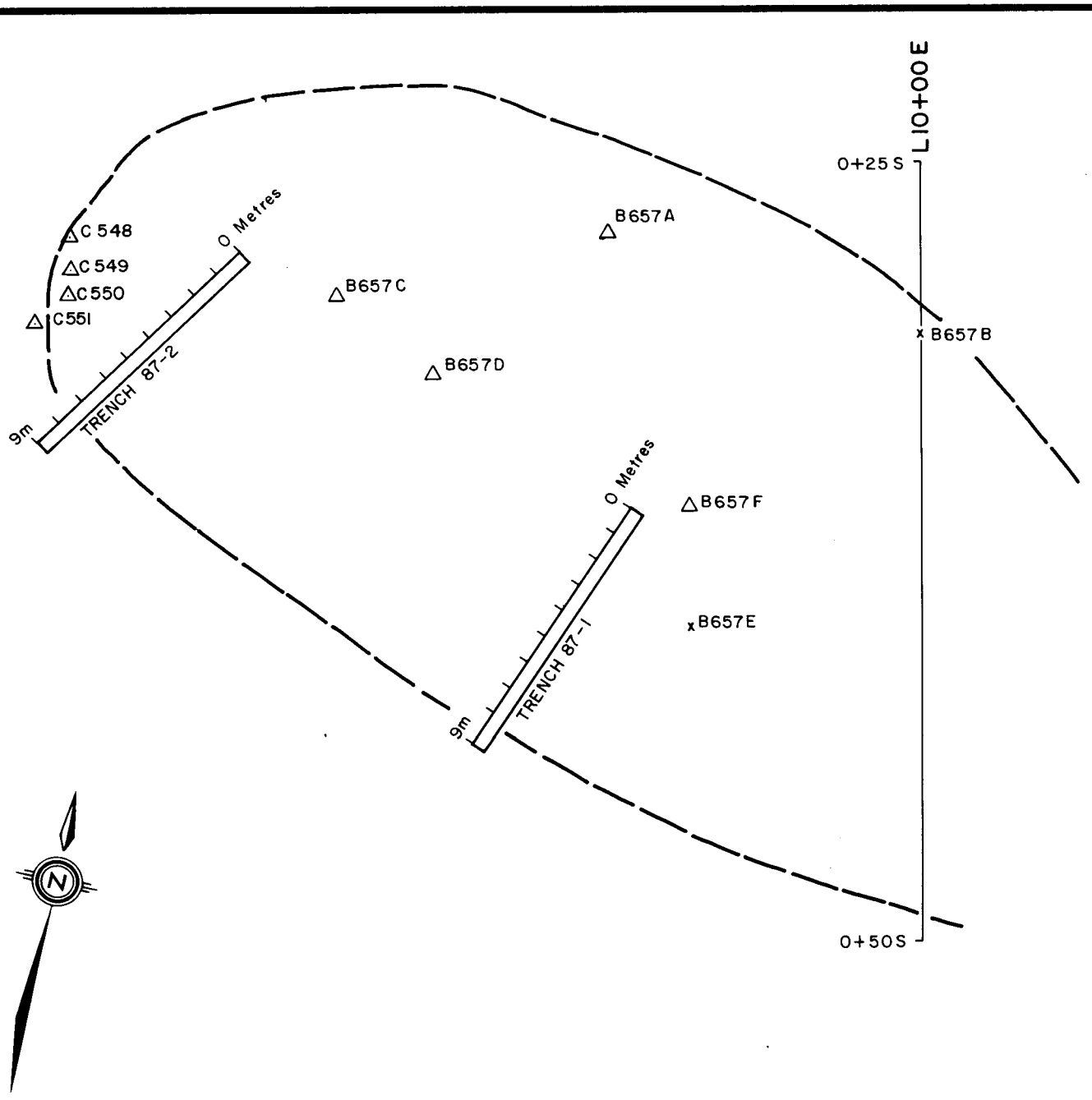
RIDLEY SHOWING

GEOLOGY

BY: B.V.H.
DATE: DECEMBER, 1987

FIGURE: 9a

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SCALE 1:200

0 5 10 metres

LEGEND:

△ ROCK SAMPLE

x GEOLOGICAL OBSERVATION

OUTLINE OF GOSSAN

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.
WATSON LAKE M.D. NTS: 105 F/8

GRAY SHOWING
TRENCH LOCATION MAP

BY: B.V.H.
DATE: DECEMBER, 1987 FIGURE: 10

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samples in float containing massive pyrrhotite and arsenopyrite. In addition sample B-6570 was found to contain 1,495 ppb Au, plus one of the strongest magnetometer anomalies on the property was also located in this area.

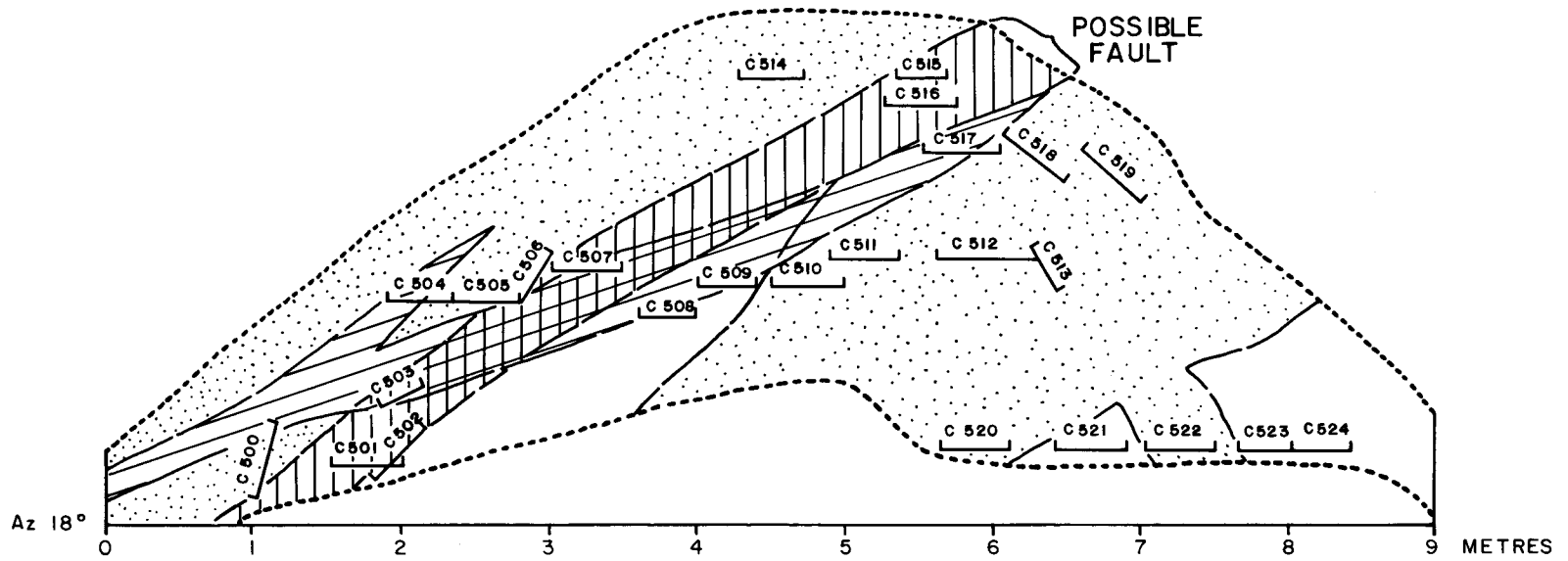
Trench 87-1 located at L9+88N, 0+405 intersected mostly massive siderite which contained minor amounts of pyrite. Hosting this mineralization is a limestone which appears to have been recrystallized. Cutting through the trench at a relatively shallow angle (20°) is a mineralized zone containing minor (less than 5%) amounts of pyrrhotite. Associated with this zone is an intense degree of oxidation resulting in the developments of limonite and goethite. In addition the rocks of this zone are sheared suggesting the possibility of a low angle fault. Where unoxidized the siderite tends to be gray-green in colour and coarsely crystalline. The pyrite tended also to be coarse-grained consisting of euhedral grains which appear to be aligned along fractures.

Although the gold values were distinctly anomalous they were not economically significant. Sample C-307 was the highest (510 ppb) followed closely by C-510 (465 ppb). In general the high Au values tended to be coincident with the zone of intense oxidation which dips to the northeast in the trench. This relationship may be reflecting some form of supergene enrichment, or the gold may be associated with the pyrrhotite which is in part coincident with this zone. Other elements found to have roughly the same trend as gold include Ag, As, Sb and Bi.

Trench 87-2 was located approximately 15 meters downslope of trench 87-1 at 19+75E, 0+30S. In this trench the sulphide content was significantly higher and siderite appeared to be lacking. To the northeast or stratigraphic footwall side of this trench is a non-calcareous chlorite-sericite phyllite. To the southwest are two distinctly different zones of massive sulphide mineralization which are separated by zones of intense oxidation to limonite and goethite.

The first massive sulphide zone centered about the 3 meter mark in the trench consists of variable amounts of pyrite, arsenopyrite and galena with lesser pyrrhotite. In general the sulphides are relatively coarse grained occurring in a series of subparallel veins. Gold attains a concentration of 1020 ppm in sample C-544. This sample was also highest in Pb (14,386 ppm), Ag (61.9 ppm), As (14,998 ppm) and Sb (95 ppm), plus second highest in Bi (4 ppm). The three samples

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CHANNEL SAMPLE LOCATION

OUTCROP OUTLINE

LIMESTONE CONTAINING MINOR VEINS OF OF SIDERITE AND PYRITE.

MASSIVE SIDERITE OXIDIZED TO VARYING DEGREES TO GOETHITE AND LIMONITE, ALSO PRESENT IS MINOR AMOUNTS OF PYRITE.

MASSIVE SIDERITE CONTAINING MINOR AMOUNTS OF PYRRHOTITE.

INTENSE OXIDATION TO LIMONITE AND GOETHITE.

SCALE 1:50

0 0.5 1.0 2.0 3.0 4.0 metres

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.
WATSON LAKE M.D. NTS: 105 F/8

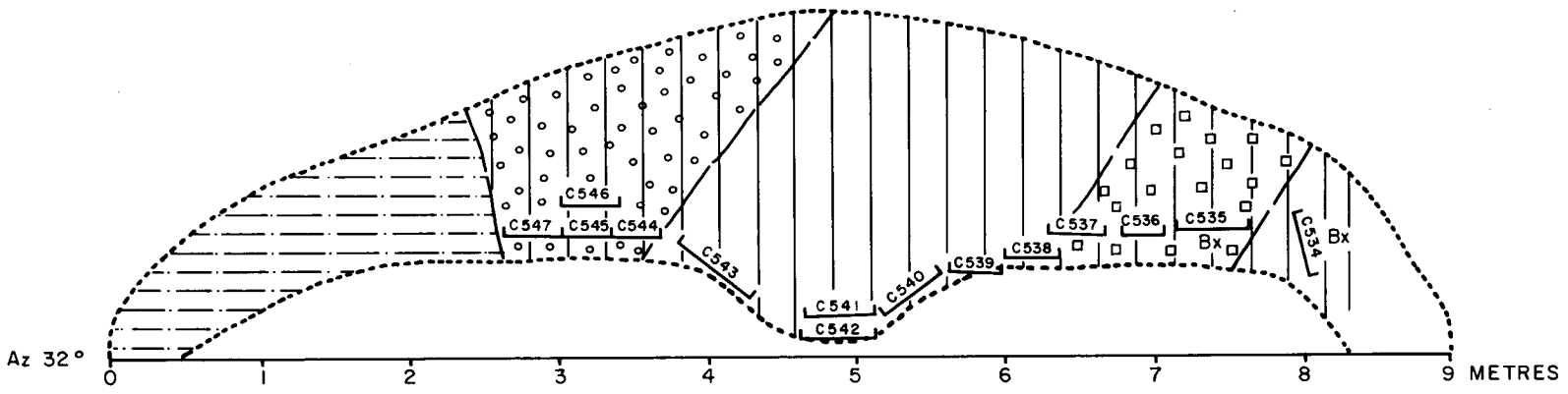
TRENCH 87-1

GEOLOGY

BY: B.V.H.
DATE: DECEMBER, 1987

FIGURE: 11a

092103



CHANNEL SAMPLE LOCATION

OUTCROP OUTLINE

INTENSE OXIDATION TO LIMONITE AND GOETHITE.

MASSIVE SULPHIDE CONSISTING OF VARIABLE AMOUNTS ARSENOPYRITE - PYRITE - GALENA ± PYRRHOTITE.

MASSIVE SULPHIDE CONSISTING OF VARIABLE AMOUNTS OF ARSENOPYRITE - PYRITE - PYRRHOTITE.

NON - CALCAREOUS CHLORITE - SERICITE PHYLLITE.

Bx BRECCIA TEXTURE

092103

SCALE 1:50

0 0.5 1.0 2.0 3.0 4.0 metres

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.
WATSON LAKE M.D. NTS: 105 F/8

TRENCH 87-2

GEOLOGY

BY: B.V.H.
DATE: DECEMBER, 1987

FIGURE: 12a

adjacent to C-544 were also found to be significantly anomalous in Au, Cu, Ag, As, Fe and Sb.

The second massive sulphide zone occurs between the 6 and 8 meter mark in the trench. Although the mineralogy of this zone also consists of pyrite, arsenopyrite and pyrrhotite, it is lacking galena and the pyrrhotite content is distinctly higher. Again the sulphides are relatively coarse grained, although the degree of oxidation to goethite and limonite is relatively high, consequently little remains of the original sulphides. Au attained concentrations of over 200 ppb in three samples (C-537 to C-539). Associated with the anomalously high Au values were anomalous concentrations in W, Sb, As, and Cu. However, the contrast between background concentrations and the anomalous values were not as pronounced as the first massive sulphide zone.

Surrounding the second massive sulphide zone is two zones of intense oxidation to goethite and limonite. In both these zones breccia clasts composed of goethite and limonite are found to be cemented by vuggy calcite (?). Although these zones are found to be anomalous in Au, As, Fe, Ag, Pb and to a lesser degree Sb, the values are substantially lower than the massive sulphide zones. Only Ag and Pb were found to increase progressively in this trench irregardless of the intensity of the oxidation. Consequently these elements may be of use as pathfinders.

From material excavated from trench 87-2 four grab samples were collected (C-548 to C-551). Three of these samples were found to contain greater than 1,000 ppb gold with sample C-551 assaying 0.296 oz/ton. Sample C-551 consisted of quartz vein material which contained up to 10% disseminated arsenopyrite. This was similar in appearance to B-657d which was the sample that initiated the trenching program.

3.3.4 Young Showing

Situated in a small creek bed about L11+50E, 1+00S is a gossanous zone containing veins of pyrite, galena, pyrrhotite, and arsenopyrite. Although difficult to discern this zone appears to have a width of about 8 meters. Hosting the mineralization is a massive limestone unit (lCml).

Four assay samples were collected from this showing (C-307 to C-310). In general the values from this zone were similar to the massive sulphides in the northeast end of Trench 87-2. The differences being the Au and As contents were distinctly lower and the Ag, Cu and Sb contents higher. Of particular interest are the Ag values which attain a high of 270.4 ppm (7.93 oz/ton) in sample C-309. Also of interest is the Pb contents which are all above 1.5% and the Sb content which are above 100 ppm.

If this zone can be shown to join up with the Gray zone, as the magnetometer survey suggests, then a strike length of over 150 meter is realized.

3.3.5 Main Showing

Located about the vicinity of L3+50E, 2N the gossan over this showing can be seen from a distance of over 2 kilometers. Initially this showing was sampled and mapped in 1985 (Hall, B.V., 1986). At that time a thickness of 13.9 meters over a strike length of 80 meters was sampled. For the most part the mineralization consisted of massive siderite which was crosscut by an anatomizing stockwork of pyrite-pyrrhotite veins. Crosscutting only the massive siderite are a series of 10 centimeters to 2 meter wide quartz veins.

Interstitial to the quartz within these veins are minor amounts of pyrite and chalcopyrite. Malachite staining is also present on the weathered surfaces of these quartz veins. In general the trend of the mineralization was roughly parallel to bedding, having the rough morphology of a tube. Hosting the mineralization is a massive limestone (ICml).

Assay samples collected in 1985 indicated elevated values for Fe, Cu, W, Pb, As, Ag, Bi and Sb. However none of the values were even close to being economically significant.

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3.3.6 Sonny Showing

Located near the western extremity of the grid (L6+00W, 2+00N) this showing consists of a number of hand dug trenches over an area of roughly 100 x 150 meters. For the most part the mineralization consisted of massive siderite, containing minor veins and disseminations of pyrite.

In total five samples (B-673 to B-677) were submitted for analyses. All were quite high in Fe (46.82 to 53.56%), and above background for Bi (4-23 ppm), Zn (111-148 ppm) and Ag (1.0-1.7 ppm). However for Au they were consistently at the detection limit (1 ppb).

3.3.7 Other Massive Siderite Bodies

In addition to the Ridley, Jessica and Main showings a number of smaller bodies containing massive siderite were noted. Most are less than 2 meters wide and are found to occupy vertical fracture zones. Often veins of pyrite, pyrrhotite and/or arsenopyrite are present within the centre of these zones. Quartz veins also often occur in the centre of these zones. Peripheral to the siderite, often veins of sparry calcite are present. Plotted on Figures 5a,b are the locations of these showings. Typically this type of mineralization is hosting only by the limestones, and more specifically the massive reef-building limestones (lCml).

Located in the vicinity of L38+90E, 3+75N is a 8 meter wide zone containing roughly 5% sparry calcite veins and 1-2% siderite veins. This zone appears to occupy a fault zone which trends 10/90°. Two samples were collected from this zone (B-402a,b) both were only weakly anomalous in Fe.

Approximately 100 meters to the south of the Jessica showing is outcrop B-429 (L35+40E, 3+25N). This outcrop contains a number of 10 centimeter wide quartz and siderite veins, over a width of roughly 3 meters. One rock chip sample was collected. This was found to be high in Fe (33.55%), Ag (0.7 ppm), As (95 ppm) and Cu (167 ppm), but little else.

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Approximately 200 meters to the west is outcrop B-555 (L33+50E, 3+00N). The mineralization consists of a 2 meter wide zone oriented roughly 110/90°. Within this zone are about 5% siderite veins which average 3 centimeters in width. Associated with the siderite is a considerable amount of sparry calcite. One rock chip sample was collected and this was found to be only anomalous in Fe (36.83%).

Located approximately 75 meters to the southwest is outcrop B-467 (L34+75E, 2+25N). This showing is approximately 2 meters wide trending 177/90°. It contains a peripheral zone of siderite veins and a central zone, 0.5 meters wide of massive pyrite, with lesser amounts of chalcopyrite and arsenopyrite. Crosscutting this zone is a 30 centimeter wide quartz vein which is roughly perpendicular to the main trend of this zone. Three rock chip samples were collected, two from the massive siderite (B-456a,b) and one of the quartz vein (B-456c). Samples B-456a and B-456c were found to be anomalous, containing 61 and 93 ppb Au, plus 1289 and 1103 ppm As. Sample B-456b was also found to be anomalous in Pb (1270 ppm) and Ag (4.8 ppm), but relatively low in As and Au.

Another area of interest occurs about the vicinity of L33+50E, 6+00N. Here a number of showings of massive siderite are present (B-449, B-550, B-476, and B-551). One of the wider zones is represented by outcrop B-449. Here two vein systems appear to intersect. One vein system represented by outcrops B-550 and B-449 strikes roughly north-south, dipping vertically. The second (outcrops B-476 and B-449) is oriented roughly 110/75N. In all the mineralized outcrops the zone was roughly 1-2 meters wide consisting of massive siderite veins up to 20 centimeter wide. Also present were minor sparry calcite veins and trace amounts of pyrite.

Two rock chip samples were collected from this area (B-476 and B-449). Both were found to be quite high in Fe; 40.85% and 33.56% respectively but little else.

Further to the east (L31+00E, 6+00N) is a similar situation, as two sets of siderite veins appear to intersect. In outcrop B-515 a number of small siderite-pyrite veins which are oriented 25/55NW are present. Approximately 50 meters to the east is a second zone of siderite veins (outcrop B-517). In this outcrop are a number of siderite veins which are oriented 82/165. Samples from these showings were high in Fe, and above background in As (S4-105 ppm).

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Located about L31+10E, 4+00N is a 2 meter wide zone containing a series of 1-3 cm wide siderite veins (B-487). The veins within this zone are oriented roughly 141.71W which is the same as the jointing. Only one sample was collected, and this failed to produce any values of interest.

On the western side of the property downhill from the Ridley showing are a number of small occurrences of massive siderite (C-299 and C-294 to 297). In outcrop C-299 located about L12+10E, 3+00N is a large zone (greater than 2 meters wide) of massive siderite containing minor veins of pyrite and chalcopyrite. Two samples were collected for analysis (C-299 and C-299a). Both were only significantly high in Fe (30.69 and 23.77%). To the east at L14+00E, 2+25N is a "T" shaped zone 10 meters long by 1.0 meter wide (outcrops C-294 to C-297), which has the long direction parallel to bedding. The mineralization within this zone consists mostly of massive siderite, although some pyrite, chalcopyrite and malachite is present. Also, included is a minor amount of quartz veining. For the five samples submitted for analyses all were high in Fe (22.24 to 47.88%) and two (C-294 and C-294a) were high in As (284-414 ppm) and Au (2-26 ppb).

Located between L11+00E, 1+50S and L5+00E, 1+50N is concentration of massive siderite float, plus several outcrops (B-641 and B-635). This along with a pronounced magnetometer anomaly helps to tie the Main and Young showings together. Associated with the massive siderite are minor veins of pyrite and chalcopyrite. Of the rock samples collected to date the area centered about L8+00E, 0+50N is of particular interest. Here a number of samples (B-641, B-683, B-631 to B-636, and C-525 to C-533) are consistently anomalous in Au (up to 1460 ppb) and As (41 - 1594 ppm). Associated with some of the higher Au values were anomalously high Cu values (up to 530 ppm in the case of sample C-532 which also contained 1460 ppb Au).

3.3.8 Massive Quartz Veins

Generally in close proximity to the massive siderite bodies are a number of quartz veins. Often these quartz veins reach thicknesses of greater than 2 meters. In detail they are often banded or ribboned, and in a few cases vuggy. Minor to trace amounts of pyrite, chalcopyrite and rarely arsenopyrite occur within these veins.

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A number of these veins are restricted entirely to zones of massive siderite (B-427, B-456, B-429, B-641 and the Main showing). Others appear to be along strike from the massive siderite (B-433, B-434, and B-446). Often these veins occupy the major joining patterns; dipping steeply to the northeast or at a shallow angle to the southwest.

The first vein to be discussed (C-215 to C-218) occurs at the eastern extremity of the property (L45+50E, 3+50N). This vein has a width of 1-2 meters, and a defined strike length of 100 meters. In addition to quartz, this vein contains minor amounts of galena (2%), pyrite (0.5%) and limonite staining. The strike of this vein was roughly 115°, with a dip of 30° to the south. One sample was collected from this vein (C-217) for analysis. This sample contained anomalously high Pb (11,038 ppm), Zn (1,456 ppm), Ag (18.5 ppm), As (1,843 ppm), Cd (11 ppm), Sb (28 ppm), W (5 ppm) and Au (365 ppb).

In the vicinity of L39+50E, 2+50N another southwesterly dipping quartz vein was noted (C-246 to C-248). This one had an orientation much the same as the previous one (120/20° SW), however was only 40-80 centimeters thick. In addition to quartz this vein contained disseminated grains of pyrite (less than 3%) and chalcopyrite (1%), with a minor amount of malachite staining. Of the three samples submitted for analyses (C-246, C-247 and C-248) only C-248 was found to contain Au values which are above background (43 ppb). This sample was also found to be anomalous in Cu (2486 ppm), Ag (6.9 ppm) and As (109 ppm).

Along strike from the Jessica zone to the south are a number of outcrops plus float of quartz vein material (B-428, B-429, B-433 and B-434). The zone these samples trace extends from L35+20E, 3+75N to L35+10E, 0+00N. In this area the quartz veins occur as a number of veins which have a common orientation of 95/37N. Associated with the quartz are minor veins of sparry calcite. Only one rock chip sample was submitted for analyses (B-428). This sample was anomalously low in all elements except Cu (166 ppm).

Located about L33+00E, 6+50N was a 30 centimeter wide quartz vein which contained minor amounts of malachite and erythrite along fracture surfaces (B-446). The orientation of this vein although difficult to determine appeared to be

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horizontal. One sample was collected for analysis (B-446a). This sample was found to be very high in Cu (14,479 ppm), Ag (36.8 ppm) and As (5,567 ppm) and distinctly anomalous in Au (43 ppb).

Associated with a mafic dyke in the vicinity of L29+80E, 3+50N are a number of small quartz veins (B-506). These appear to be associated with a number of sparry calcite veins, both of which have an attitude of 6/74E. A sample submitted for analysis contained only minor amounts for all elements except Fe (6.60%).

In the western half of the grid of particular interest is a large quartz vein represented by samples B-599, B-600, C-276 and C-277. At present this vein can be traced from L12+10E, 1+60N to L13+70E, 1+50N having an orientation of roughly 80/30N. In general this vein is about 1.0 meters thick and contains up to 5% chalcopyrite along with minor amounts of malachite and limonite staining. A total of six samples were submitted for analyses from this vein (C-276, C-277, B-599a, b and B-600a, b). All samples except B-599b were found to be significantly enriched in Cu, with sample B-600b containing 18,055 ppm Cu. In addition this sample also contained 78.4 ppm Ag and 150 ppb Au. Also of interest is sample B-599a which contained 1,770 ppm As.

3.3.9 Other Occurrences

Of significance is an 8 meter wide zone of massive pyrite located in the vicinity of L12+50E, 1+75S. This zone occurs immediately at the contact with the Ordovician to Silurian graphitic shales (OSgs) and the lower Cambrian massive limestones (lCml). In addition to pyrite, lessor amounts of pyrrhotite and minor amounts of chalcopyrite and arsenopyrite are present. Also present are minor veins and pods of quartz. However, due the high degree of supergene alteration the original mineralogy has largely been oxidized to goethite and limonite. Samples collected from this zone (C-285 to C-288) contained very high Fe contents (20.79 to 52.89%) plus significantly high values in As (136 - 2,541 ppm), Cu (108 to 623) and Ag (0.8 to 1.9 ppm). Unfortunately Au was a constant 1 ppb for all four samples.

A second area of interest is located in the vicinity of L35+50E, 0+75S. Here a local concentration of limonitic and massive arsenopyrite float was found. Four samples collected from this area (B-442a,b and D-39a,b). Three were quite high in Au; D-39 (210 ppb), B-442a (430 ppb) and B-442b (78 ppb). In addition all four were extremely high in As, W (29-48 ppm), Bi (64-99 ppm), Sb (59-125 ppm); and reasonably high in Cu (162-826 ppm) and Fe (27.44 to 34.11%). In particular samples B-442a and B442b were extremely high in As containing 26.5 and 23.8% respectively.

A second location where massive arsenopyrite float was located was in the vicinity of B-562 (L27+30E, 4+50N). Here a sample assayed 23.5% As. In addition this sample contained 5,890 ppb Au, 46 ppm W, 410 ppm, Sb 19 ppm Cd, 739 ppm Zn, 535 ppm Pb and 389 ppm Cu.

4. PROTON MAGNETOMETER SURVEY

Based upon what is known of the mineralogy for the Au-bearing manto deposits in the district, pyrrhotite is in general host to the best grade deposits. It was therefor decided to conduct a magnetometer survey over the entire property to help outline any areas containing anomalous concentrations of pyrrhotite. The magnetometer survey was particularly useful in this situation since there is a virtual absence of volcanic rocks in the stratigraphic section. Consequently, any anomalous areas could be directly attributable to mineralization.

4.1 Method

For the magnetometer survey a Geometrics Model C-836 portable proton magnetometer was used. Over the entire grid duplicate readings at every station were taken with the instrument always pointing north. For most of the grid readings were taken at 25 m intervals. However, in areas exhibiting some variation a 12 and sometimes 5 m interval was used.

For the diurnal drift corrections base station readings were taken at the beginning and end of each survey day along a previously surveyed baseline. From the corrected base station data, the data for the survey lines was then corrected. Corrections were also made between data collected on different days so as to make the survey internally consistent.

4.2 Results

The magnetometer survey proved to be very useful in outlining a number of anomalous areas, most of which appear to be related to mineralization (Figure 13a,b).

In general, background values over the survey area ranged from 5820 to 5824 gammas, with values outside this range considered to be anomalous. The largest anomalous zone is represented by a pronounced feature which stretches from the Ridley showing located on L14+00E, 1+00N through to the Main showing (L2+50E, 1+50N), a distance of roughly 1.3 km. Representing this zone are a series of highs which range up to 5906 gammas (L10+00E, 1+00S) and lows to 5553 gammas (3+50E, 1+75N). For the most part, the lows tend to occur to the northwest side of the highs. In addition the lows also become the dominant feature of this anomaly in the western half (L7+50E through to L2+50E). Also to the northwest the flanks of the highs tended to be considerably steeper than the southwestern sides. Over the area of known pyrrhotite mineralization (L9+50E, 0+00 to L11+50E, 1+00S) the highs became most pronounced. Also over this area the highs tended to be quite small in lateral extent suggesting the presence of mineralization close to surface. Whereas to the east between L12+00E, 2+00S, and 14+00E, 1+00N the width of the anomaly is considerably greater suggesting a deeper source to the anomaly. This premise is somewhat substantiated by the geological mapping which indicates a substantial cover of graphitic shales (OSgs) over this anomaly (Figure 5a). Comparing the configuration of this anomaly to a series of models the asymetrical nature of this zone in profile suggests strongly a southerly-dipping planer feature. This concurs with the geological interpretation which suggests a south to southwesterly dipping stratabound zone. Truncating this anomalous zone to the west is what appears to be a northwesterly striking fault (Mag Fault #1).

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Other magnetic feature which can be directly attributable to surface mineralization include the Sonny and Jessica showings.

At the Sonny showing (L6+00W, 5+00N) a pronounced high to 5830 gammas is present. The general orientation of this anomaly is east-west stretching from L5+00W, 1+00N, to L6+00W, 2+00N. To the north is a weak low to 5815 gammas. Along strike to the east is a much stronger high centered about L2+00W, 0+00N. Here a number of values exceed 5400 gammas. Judging from the manner in which the high values gradually tail off to the south, or downdip direction it is likely the mineralization causing this anomaly is continuous at depth. Truncating this anomaly to the east is what has been interpreted to be a northwesterly trending normal fault (Mag Fault #2). Along strike to the northwest this fault truncates another pronounced magnetic high. This feature strikes roughly N60E extending from L3+00W, 5+00N through to L7+00W, 4+50N where it leaves the survey area. Values in this high range up to 5833 gammas.

The Jessica showing, located about L35+00E, 4+25N is represented by two anomalous values, a high of 5832 gammas with a low of 5811 gammas immediately to the north. There is a suggestion this anomaly may continue to the southeast. This is indicated by the presence of a weak high of 5827 gammas at L37+00E, 1+50N plus on even more subtle low to the northeast. Unfortunately this trend does not coincide with either of the possibilities that the geological mapping suggests.

Another magnetic feature which can be related to a mineralized outcrop occurs in the vicinity of L28+00E, 2+00N. Present over a small showing of pyrite (B-534, M-110) is a small high of 5831 gammas. Surrounding this area is a broad northerly trending high which continues along the entire length of L28+00E. Also in this area the trace of the most favourable stratigraphic interval (lower Cambrian massive limestone (1€ml) with the overlying chloritic phyllites (1€ncp)) trends roughly north-south along line 28+00E.

One further feature which should be commented on is pronounced low situated about L20+50E, 3+00S. This low has values down to 5780 and 5759 gammas along a zone which trends northwesterly for roughly 200 m. Immediately to the south of this zone on L21+00E, 4+00S is a one reading high of 5833 gammas. Based upon the

geological mapping, it is quite likely this zone could be underlain by limestone. If so, then the source of this anomaly would likely be manto-type mineralization.

5. SOIL GEOCHEMISTRY

In total, 1,209 soil samples were collected during the course of this year's program. Routinely the samples were collected at 50 m intervals over lines spaced 100 m apart over the entire grid. However, over areas of known or suspected mineralization the sampling interval was reduced to 25 m and the line spacing 50 m. All samples were analyzed for Au, Ag, Pb, Zn, Cu, Cd, As, W, Bi, Sb and Fe. The results of which have been plotted on Figures 14 to 24.

5.1 Method

Using a mattock the samples were collected from the B horizon, although in a few cases it was impossible to sample anything but talus material. Upon collection they were placed in high-strength paper envelopes and field dried for one week, then sent to Acme Analytical Laboratories for analyses. Here they were dried overnight, then sieved to minus 80 mesh.

For the analyses of Cu, Pb, Zn, Ag, Sb, As, Bi, Cd, Fe, and W a 0.500 gram portion of the minus 80 mesh was dissolved in 3 mls of aqua-regia for one hour. The resulting solution was then diluted to a volume of 10 mls with distilled water and analyzed using Inductivity Coupled Argon Plasma. The results of which were then compared to prepared standards for the determination of the absolute amounts.

For the Au analysis a 10.0 gram aliquot of the minus 80 mesh portion was used. After concentrating the Au through standard fire assay methods the resulting bead was then dissolved in 1 ml of aqua-regia at 95°C for one hour. The resulting solution was then analyzed by atomic absorption using a graphite furnace unit. The absolute amounts were then determined by comparing the results to those of prepared standards.

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To determine the existence of and threshold values for the anomalous populations, cumulative frequency plots were constructed (Appendix F). Using this approach statistically normal populations should plot as straight lines and any boundaries or thresholds between more than one population will show up as points of inflection (Sinclair, A.J., 1975). Depending upon what percentage of the total population the inflection point occurs the data was then classified as 1) definitely anomalous, 2) anomalous, 3) possibly anomalous, 4) above background and 5) normal.

For Bi, Cd and W, since a disproportionate percentage of the total population was at the detection limit, cumulative-frequency plots were not constructed for these elements. Rather the anomalous populations were determined by inspection of the data. Also for Au and Sb the values at the detection limit were removed or truncated so as to not bias the cumulative-frequency plots.

TABLE 2

Statistical Summary of
Anomalous Soil Sample Populations

Element	Above Background		Possibly Anomalous		Anomalous		Definitely Anomalous	
	A	B	A	B	A	B	A	B
Ag (ppm)	-	-	0.8	89%	1.3	95%	2.2	98.5%
Pb (ppm)	61	78%	88	85%	180	93%	240	95%
Zn (ppm)	160	78%	-	-	300	93%	-	-
Cu (ppm)	59	61%	-	-	130	94%	200	98%
As (ppm)	-	-	97	92%	125	94%	185	97%
Sb (ppm)	-	-	5	85%	10	96%	14	98%
W (ppm)	-	-	2	85%	3	96%	4	98%
Fe (wt %)	-	-	7.0	91%	8.0	95%	9.3	98%
Bi (ppm)	-	-	3	91.5%	-	-	4	98%
Cd (ppm)	2	76%	3	89%	4	96%	5	97.5%
Au (ppb)	-	-	-	-	7	91%	15	98%

A = threshold value
B = percentage of total population below threshold value

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5.2 Results

The soil geochemistry proved successful in outlining a number of anomalous zones. Many of which can be related to areas of known mineralization, others to places of potential mineralization.

5.2.1 West Grid

On the west side of the grid (Figures 14a to 24a) the soil geochemistry outlined the area represented by the Ridley to Main zones (L14E, 0+75N to L3+50E, 4+75N) through a variety of elements. In particular Fe, Sb, Cu, Cd and to a lesser W outlined the trace of the favourable stratigraphic interval, as defined by the magnetometer survey plus geological mapping. However, within this somewhat large zone individual elements or groups of elements indicate strong affinities to specific areas or showings. In particular in the case of the Main showing only W, Fe and to a lesser degree Cu were found to be anomalous downslope of the mineralization. However, for the Gray showing all elements except Bi were found to be anomalous, and downslope of the Young showing only Cd, Sb and Pb were anomalous.

More specifically the greatest concentration and highest W (up to 7 ppm) occur immediately downslope and to the west of the Main showing. Also in the immediate vicinity of this showing is one anomalous Au value (37 ppb), and a number of anomalous to definitely anomalous Fe and Cu values. Also of interest is a somewhat diffuse concentration of anomalous to above background values for Cu, Ag, Sb, Zn, W, and Cd which occur upslope to the west of the Main zone (L2+00E, 0+00N through to L8+00E, 0+50S). In part coincident with this zone is the contact of the lower Cambrian limestones (1Cml) and the overlying graphitic shales (OSgs). Present at this stratigraphic level in the vicinity of L12+25E, 1+75S is the Young showing, which is anomalous in much the same elements as this zone (Cu, Sb and Zn).

Further to the east, roughly midway between the Main and Gray showings, is perhaps one of the strongest concentration of anomalous soil samples. Centered about L8+00E, 1+00N is a number of anomalous to highly anomalous values in Au,

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Fe, As, Pb, and Ag. Associated with this zone is large gossan and a few mineralized outcrops. Au values from gossanous material in float were consistently above background, up to a high of 1460 ppb. To the southeast this anomaly appears to join up with the Gray zone, for a strike length of over 300 m. In between this zone and the Gray zone the values decrease somewhat in the vicinity of line 9+00E. However, this is due largely to the stream valley in this area which is filled by a considerable amount of talus.

In the vicinity of the Gray showing and upslope is one of the strongest concentrations of anomalous Au values. Actually five of the highest seven samples on the property are found in this area. Interestingly, the highest Au value (405 ppb) occurs at L10+00E, 1+50S. This is over 75 m upslope of the known mineralization. it is also over 100 m upslope of trench 87-2 which contained 0.3 oz/ton Au in one sample (C-551). Also found to be anomalous in the area downslope of the Gray showing are Ag, Pb and As, and to a lesser degree W and Sb. Upslope Bi, Fe, Cu, As, Cd and Au produce a reasonably well defined anomaly with Zn and Sb more diffuse. The elemental association of As, Ag, Au and Pb appears to be reflecting the nature of the mineralization in the Gray showing and in particular the mineralization of trench 87-2.

Further to the southeast is the Young showing (L11+50E, 1+00S) where an 8 m wide zone of massive pyrite, galena, pyrrhotite and arsenopyrite was discovered. Immediately downslope of this area are several samples anomalous in Sb, plus one which was anomalous in Ag and Pb. However, further downslope and to the east is a well developed Sb, Cd and Cu anomaly plus a number of anomalous samples in Ag, W and Bi. This zone appears to join up with the Ridley zone (L14E, 0+75S) although it is most prevalent to the upslope side of the mineralization. Whereas downslope of the Ridley zone only a couple of samples were anomalous for Fe and Sb.

In the vicinity of the Sonny Showing (L5+00W, 2+00N) is a somewhat diffusely defined Au anomaly. Although this anomaly covers a reasonably large area (roughly 700 by 300 m) the anomalous values are distributed in a somewhat spotty manner. Possibly the muskeg conditions within the center of this anomaly are a contributing factor to the poor results. Associated with the anomalous Au values is a well defined Ag, Zn, Pb, As and Fe anomaly with sporadic high values in Sb, W,

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Cd and B. As defined by the anomalous Ag, Au and Pb values this anomaly stretches from L1+00W, 4+00N to L5+00W, 1+50N.

Two anomalous zones were located which for the present time have not been directly related to a mineralized zone. These are a very large area of anomalous Au values centered about L17+00E, 2+00N and a Zn anomaly located about L2+00W, 8+50S.

The Au anomaly appears to originate at L17+00E, 0+50N where value of 200 ppb is present. This anomalous zone continues downslope to the north past L17+00E, 6+00N, off the grid. In width this anomaly stretched from 15+50E through to 18+00E. Although not as well defined as Au, Bi also produces a reasonably coherent anomaly in this area. Also included in this zone are a number of anomalous As, Sb, Ag and Pb values.

The Zn anomaly centered about L2+00W, 8+50S consists of five highly anomalous samples with values up to 845 ppm. Directly associated with this zone is one anomalous Cd value, plus several Ag values which are possibly anomalous. Along strike to the north are a number of scattered high values for Zn and Ag. However, the lack of any coherent pattern, plus the lack of support from the remaining elements somewhat negates the significance of this area.

5.2.2 East Grid

Although the mineralization was not as abundant on the east grid as the west, nevertheless, a number of soil sample anomalies were outlined (Figures 14b-24b).

For Au, three main areas were found to contain anomalous values, of which none appear to be related to any known showings. At the western extremity of the property centered about L42+00E, 2+00N is one of the largest areas of anomalous values. Here a number of anomalous to definitely anomalous values (up to 32 ppb) occur in a northwesterly trending zone which is roughly 200 m long. Other elements found to form a coherent anomaly in this area include As, Sb, Ag and Pb. Respectively these elements attained high values of 761 ppm, 10 ppm, 2.4 ppm and

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45.2 ppm and in general produced a much larger anomalous area than Au. In addition, Cu and W were found to contain a few anomalous values in this area.

A second concentration of anomalous Au values occurs in the vicinity of L30+00E, 5+00N. Comprising this zone is a number of anomalous to definitely anomalous values which attain concentrations of up to 29 ppb Au. These appear to eminate from L31+00E, 4+00N, dispersing downhill in a northwesterly fashion. Several other elements were found to be anomalous in this general area (Sb, Ag, Cd, Cu, Fe, Zn and W), however for these the anomalous area appears to originate off the grid a considerable distance uphill of the Au anomaly (L32+00E, 0+50N). High values for the other elements comprising this anomalous area include Ag (3.6 ppm), Cd (5 ppm), W (4 ppm), Cu (283 ppm), Zn (687 ppm), Fe (11.70%) and Sb (13 ppm).

Located about L34 to 35+00E is a second concentration of anomalous values which may have a common source with the anomaly centered about L30 to 31+00E. In this area Ag, Cd, Cu, Zn, Sb and to a lesser degree Pb were found to contain a number of anomalous to definitely anomalous values. For the most part these values diminish downslope to background levels in the vicinity of Jessica showing. The connection between this area and the anomalous zone centered about L30+31E could be a common source located about L32+00E, 0+50N. The reason for the bifurcation into two separate soil anomalies could be the prominent ridge centered about L32+00E. This may have deflected the groundwater flow, thus altering the path of the hydromorphic dispersion.

The third area of anomalous Au values occurs in the vicinity of L23+00E, 3+00S. Here a somewhat diffuse anomaly occurs over an area of roughly 200 x 400 m. Within this area anomalous to highly anomalous values which range up to 43 ppb are present. In detail it looks as if this zone may be comprised of two distinct anomalies, one of which is centered about L22+00E, 4+50S, and the second about L22+50E, 1+00S. Arsenic was also found to be anomalous in this area. Here a somewhat widespread anomaly occurs overlapping the anomalous gold values. In lateral extent the anomalous As values occupy an area roughly 650 by 200 m. Within this area values up to 765 ppm are present. For the most part this anomaly seems to be in part coincident with a northeasterly trending stream. It is possible that the swampy conditions bordering this stream may in part be responsible for

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the elevated As values. However, for the most part this anomaly appears to originate to the west of this stream. It is quite likely the source of this anomaly is manto-type mineralization since the trace of the favourable stratigraphic interval passes through the immediate area of this anomaly.

6. STREAM SEDIMENT GEOCHEMISTRY

In total, eight silt samples were collected from the property. This represents most of the active drainage on the property. All samples were analyzed for Au, Ag, Pb, Zn, Cu, Cd, As, W, Bi, Sb and Fe. The locations of which have plotted on Figure 7 with the results on Figures 14 through 24.

6.1 Method

The silt samples were collected from the active portions of the streams at a minimum of four different locations. Upon collection they were placed in high-strength paper envelopes and field dried for one week. Then they were sent to Acme Analytical Laboratories Ltd. for analysis. At Acme Analytical the samples were dried overnight, then sieved to minus 80 mesh and analyzed in the same manner as the soil samples.

6.2 Results

Unfortunately, the drainages on the property were relatively rare, and sporadic in their distribution. Consequently, a sufficient sample density was not achieved to adequately evaluate the property. This was in part due to the limestone bedrock which tends to produce underground streams, plus the relatively low amount of rainfall the area receives annually.

Of the eight samples collected this year, three (C-261, C-301 and B-670) are considered to be of interest. Perhaps the most significant sample was C-301, located at L11+30E, 0+25S. This sample was collected from the stream draining the Young showing about 80 m downstream. The high Pb and Ag contents of this showing is reflected by values of 2110 ppm and 5.6 ppm respectively in the silt

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samples. These values are approximately 40 times was is considered to be background.

Sample B-670 was also collected from an area of known or rather suspected mineralization. The area this sample drains is a magnetic low which appears to be related to the Sonny showing. Elements considered to be anomalous in this sample include Pb (165 ppm), Zn (211 ppm), Ag (1.2 ppm), Fe (5.27%) and As (52 ppm). Float consisting of massive siderite (B-671) collected in the immediate vicinity was also anomalous in Pb (176 ppm), Zn (104 ppm), Ag (2.8 ppm), Fe (46.82%) and As (570 pm).

The third sample of interest (C-261) was found to be anomalous in Pb (298 ppm) and to a lesser degree Ag (1.4 ppm). This sample was collected from a major drainage (L22+00E, 5+00N) in the center of the grid. Because of the size of the area this sample represents (roughly 12 square kilometers) much of the significance of this sample is lost.

7. CONCLUSIONS AND RECOMMENDATIONS

Based upon the work carried out this past year, the White Creek property of Golden Pavilion Resources contains a number of manto-type mineral occurrences. These bear many similarities with the mineralization Canamax Resources Inc. is currently exploiting at the Ketza River Mine, 7 km to the north. Fortuitously, the long axis of the claim block was aligned exactly along the trace of the lower Cambrian limestones. This is precisely the stratigraphic interval which hosts all the known manto deposits in the district. Of this favourable stratigraphic interval approximately 25% of it falls on Golden Pavilion's holdings.

Within the lower Cambrian strata on the property over 35 mineralized showings have been located. Approximately 25 of these resemble manto-type mineralization. Although most are of limited size several appear to be quite large.

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Based upon the soil geochemistry, magnetometer survey and geological mapping the largest appears to be in excess of 1.2 km long, and has a width which averages greater than 8 meters.

Representing this zone are the Ridley, Main, Gray and Young showings. Within the Main showing trenching has exposed material which grades up to .29 oz/ton Au. Along strike the mineralogy of this manto changes radically from mainly siderite with minor pyrite and pyrrhotite in the Ridley and Main showings, to pyrite $\pm$ arsenopyrite $\pm$ pyrrhotite $\pm$ galena in the Young and Gray showings. It is also in the area of the Young and Main showings were the soil and rock geochemistry indicate the highest gold values. In the Young showing grades for Ag and Pb range up to 8.0 oz/ton and 1.5% respectively. At present the strike length of the higher grade portion of this manto is anticipated to be in excess of 300 m long. This represents the area between the Gray (L9+50, 0+50S) and Young Showings (L11+50E, 1+00S). Any future diamond drilling or trenching should definitely concentrate in this area.

Other mineralized areas of possible economic significance include the Sonny and Jessica showings. At the Jessica showing a 14 m wide mineralized chimney zone is present. Although mostly consisting of siderite, the central 5 m of this zone is composed of massive sulphides (pyrite with minor chalcopyrite, pyrrhotite and arsenopyrite). Within the massive sulphides associated with the arsenopyrite are a number of elevated gold values. Along strike this zone can be traced for at least 250 m. A strong possibility exists that with more detailed ground surveys in the way of magnetometer, VLF and soil geochemistry targets which warrant trenching and/or drilling could be outlined.

At the Sonny showing massive siderite containing minor amounts of pyrite is present. Associated with this showing is a somewhat large magnetometer anomaly, plus anomalous soil values for Au, As, Ag, Zn, Pb and Fe. More detailed work in this area also appears to be in order to define targets for drilling.

In addition to the known showings, a number of areas containing mineralized float and/or anomalous soil values exist. In many cases these areas are covered by extensive overburden. Consequently, more detailed soil sampling and prospecting is required.

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Some of the massive quartz veins also appear to have some potential. Especially in lieu of the fact they contain elevated gold values and often grade into manto deposits along strike. In particular is a 1-2 m wide quartz vein containing over 1% Cu which is immediately below the Ridley showing on L14E, 1+80N.

Although often sporadic in grade and distribution, manto deposits are typically high grade, and often contain a considerable tonnage (Table 3). In the case of the Ketza River area the karsting within the lower Cambrian limestones appears to be reasonably extensive. Also the deposits which Canamax Resources Inc. is currently exploring and mining are of a considerable size. This implies the possibility of finding manto deposits elsewhere in the district of considerable size. As Canamax Resources has discovered throkugh their work in the area the larger the manto deposit the more likely a high grade core zone is to exist.

One of the problems with the White Creek area is it is somewhat removed from the central part of the district. This impacts somewhat on the grade and mineralogy of the manto deposits, as in the central portion of the district the deposits tend to have higher Au grades with the mineralogy being composed of pyrrhotite and arsenopyrite. Outward they tend to be galena and sphalerite rich containing in some cases appreciable Ag values. Peripherally the mantos tend to be composed of siderite, quartz and sparry calcite with a minor amount of pyrite. The manto on the White Creek property represented by the Ridley, Main, Gray and Young showings appears to represent the middle member in manto mineralogy. Consequently, the potential exists for appreciable Au, Ag and Pb grades as the results this year have demonstrated.

Further work is recommended on the property. This should entail detailed soil sampling, magnetometer and VLF surveying in the area of the Jessica and Sonny showings. In addition, the areas of some of the other magnetometer anomalies and/or soil anomalies should be covered in more detail. Lines 6+00W through to 2+00E, plus 16+00E through to 32+00E should be extended well into the area underlain by the Ordovician to Silurian graphitic shales. Geological mapping, soil sampling and a magnetometer survey should be carried on all these lines to complete the data base for all areas containing stratigraphy which is considered to be favourable.

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TABLE 3

Tonnage and Grade Data for Various Manto-Type Districts

District	Tonnage Mined	Au (oz)	Ag (oz)	Pb (tons)	Zn (tons)	Cu (tons)	Data Source
Aspen, Colorado	-	-	100×10^6 -	2.9×10^5 -	$0.[illegible] \times 10^5$ -	- -	Devoto, R.H. 1983
Gilman, Colorado	12×10^6	0.39×10^6 0.035 oz/ton	67×10^6 5.58 oz/ton	1.5×10^5 1.25%	8.57×10^5 7.14%	1.05×10^5 0.86%	Lovering, T.S., 1978
Leadville, Colorado	30×10^6	3×10^6 0.1 oz/ton	245×10^6 8.17 oz/ton	12.0×10^5 4.0%	10.0×10^5 3.3%	- -	Devoto, R.H., 1983
Eureka, Nevada	1.99×10^6	0.17×10^6 0.085 oz/ton	4.03×10^6 2.03 oz/ton	1.82×10^5 9.15%	0.72×10^5 3.62%	0.10×10^5 0.5%	Nolan, T.B. and Hunt, R.N.
Encantada Mexico	0.2×10^6	- -	- 22.0 oz/ton	- 20.0%	- -	- -	Beales, F.W. and Lozej, G.P., 1975
Midway British Columbia	4.17×10^6	- -	- 10.1 oz/ton	- 5.1%	- 12.3%	- -	Abbott, G., 1983

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In the area of the Gray and Young showings, an extensive drill program should be embarked upon. Due to the inherent variability of grade and morphology in manto-type deposits, an initial drill spacing of 50 m should be attempted. To test the mineralization to a depth of 100 m at this drill spacing, assuming a 30° dip approximately 14,000 feet of diamond drilling would be required. An additional 2,000 feet should be set aside for targets outside this area. Also a road from the Oxo claims to the area of the Gray and Young showings should be considered.

The total cost for this program would be roughly one million dollars. However, this should be spaced out over at least two phases. The first consisting of the additional ground work, plus approximately 5,0000 feet of diamond drilling, mostly on the Gray and Young showings. This should cost approximately $303,350.

A second phase program consisting for the most part on diamond drilling would be contingent on the results of the first phase program. If the initial results warrant an additional $600,000 could be spent on drilling before snow conditions cause a suspension of field activities.

Brian V. Hall, M.Sc.
January 14, 1988

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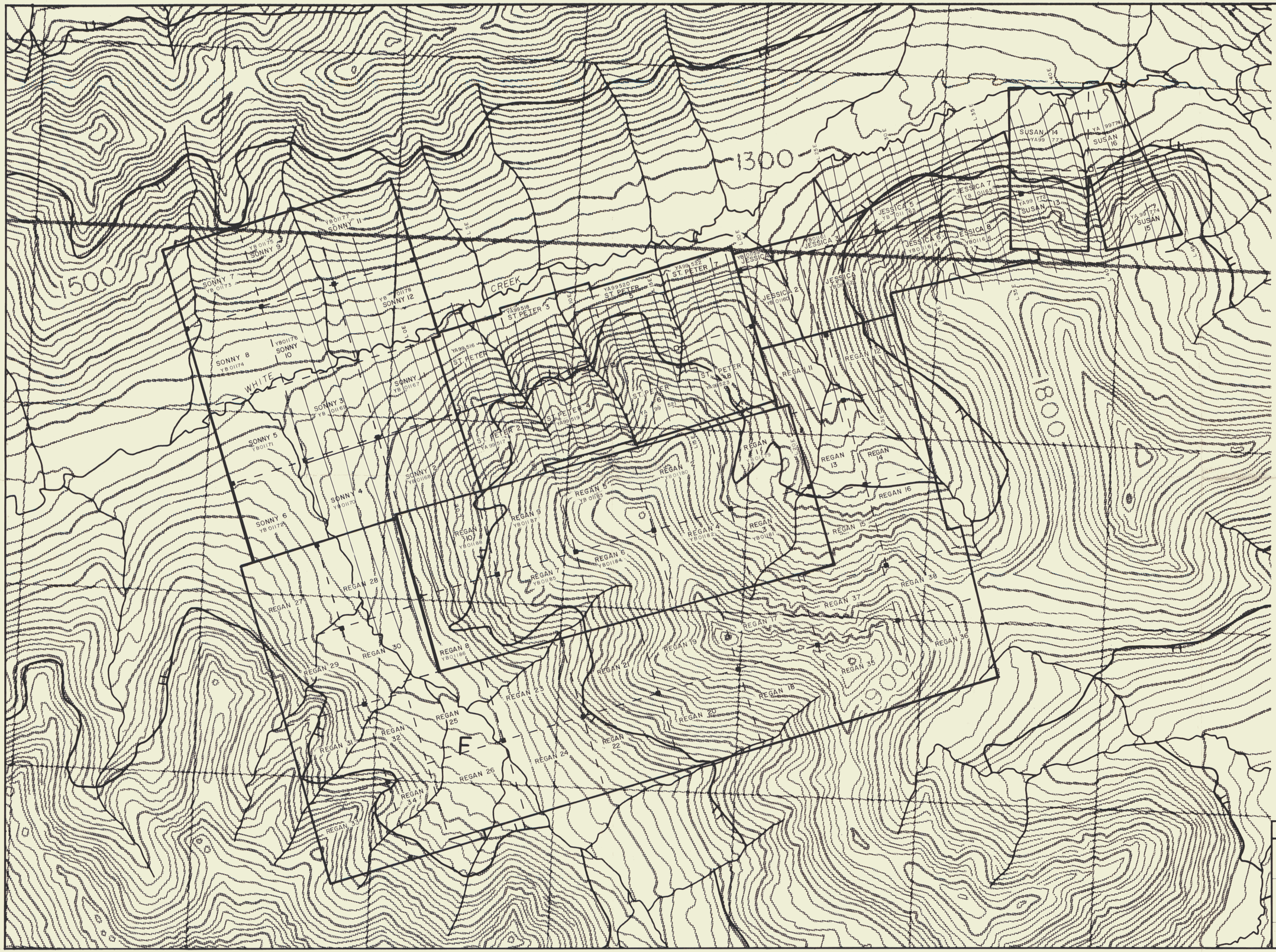
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1300
1500
1800
WHITE CREEK
SONNY 1 YB01177
SONNY 2 YB01176
SONNY 3 YB01165
SONNY 4 YB01170
SONNY 5 YB01171
SONNY 6 YB01172
SONNY 7 YB01173
SONNY 8 YB01174
SONNY 9 YB01175
SONNY 10 YB01176
SONNY 11 YB01177
SONNY 12 YB01178
SONNY YB01167
SONNY YB01168
ST. PETER 1 YA99522
ST. PETER 2 YA99518
ST. PETER 3 YA99518
ST. PETER 4 YA99516
ST. PETER 5 YA99520
ST. PETER 6 YA99521
ST. PETER 7 YA99522
ST. PETER YA99518
ST. PETER YA99519
JESSICA 1 YB01161
JESSICA 2 YB01161
JESSICA 3 YB01161
JESSICA 4 YB01161
JESSICA 5 YB01162
JESSICA 6 YB01162
JESSICA 7 YB01163
JESSICA 8 YB01163
SUSAN 13 YA99772
SUSAN 14 YA99772
SUSAN 15 YA99774
SUSAN 16 YA99774
REGAN 1 YB01187
REGAN 2 YB01186
REGAN 3 YB01181
REGAN 4 YB01182
REGAN 5 YB01183
REGAN 6 YB01184
REGAN 7 YB01185
REGAN 8 YB01188
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REGAN 37
REGAN 38
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N
LEGEND:
CLAIM POST
CLAIM POST (TAGGED)
092103
0 500 1000m
SCALE 1:1000
NOTE: CONTOUR INTERVAL IN METRES
GOLDEN PAVILION RESOURCES
SUSAN, ST.PETER, REGAN, SONNY, JESSICA CLAIMS
WHITE CREEK, YUKON
WATSON LAKE M.D.
NTS: 105 F/8
DETAILED CLAIM & GRID LOCATION MAP
BY: B.V.H.
DATE: DECEMBER, 1987
FIGURE: 3

LEGEND:

MINERALIZATION

Kmd — MAFIC DYKE, MASSIVE, RARE PLAGIOCLASE PHENOCRYSTS.

ORDOVICIAN → SILURIAN

OSgs — GRAPHITIC SHALE, RECESSIVE, THIN BEDDED, FISSLE, MINOR CHERT BEDS.

LOWER CAMBRIAN

l€ncp — CHLORITIC PHYLLITE, NON-CALCAREOUS, GREEN-GREY, RECESSIVE, THIN BEDDED.

l€ccp — CHLORITIC PHYLLITE, CALCAREOUS GREEN-GREY, CALCAREOUS, RECESSIVE, THIN-BEDDED.

l€ml — LIMESTONE, MASSIVE, LIGHT GREY, MASSIVE, CLIFF-FORMING, ARCHEOCYATHID BEARING.

l€pl — LIMESTONE, PHYLLITE, MEDIUM TO DARK GRAY, THIN TO MEDIUM BEDDED, PARTINGS OF GRAPHITIC PHYLLITE.

l€csp — CHLORITE-SERICITE PHYLLITE, CALCAREOUS, LIGHT GREY, THIN-BEDDED, RECESSIVE.

l€ch — CHERT, GREY-GREEN, BLOCKY, THINLY LAMINATED.

l€cpb — CHLORITIC PHYLLITE, CALCAREOUS, MEDIUM TO PALE GREEN, BRECCIA CLASTS.

l€mv — MAFIC VOLCANIC FLOW, DARK GREEN, MASSIVE, MINOR MAFIC PHENOCRYSTS.

BEDDING (VERTICAL, INCLINED, HORIZONTAL)

F1 FOLIATION (VERTICAL, INCLINED, HORIZONTAL)

L1 LINEATION

JOINTING (VERTICAL, INCLINED)

ANTIFORM

SYNFORM

FAULT (VERTICAL, INCLINED)

VEIN OR DYKE (VERTICAL, INCLINED)

SLICKENSIDES

OUTCROP, SUBCROP, FLOAT

sd SIDERITE
q QUARTZ
g GOETHITE
l LIMONITE
m MALACHITE
c SPARRY CALCITE
p PYRITE
cp CHALCOPYRITE
gn GALENA
po PYRRHOTITE
a ARSENOPYRITE

SCALE 1:2500

NOTE CONTOUR INTERVAL IN METRES

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GOLDEN PAVILION RESOURCES

SUSAN, ST.PETER, REGAN, SONNY, JESSICA CLAIMS
WHITE CREEK, YUKON
WATSON LAKE M.D. NTS: 105 F/8

PROPERTY GEOLOGY

BY: B.V.H.
DATE: DECEMBER, 1987 FIGURE: 5a



LEGEND:

MINERALIZATION

Kmd — MAFIC DYKE, MASSIVE, RARE PLAGIOCLASE PHENOCRYSTS.

ORDOVICIAN → SILURIAN

OSgs — GRAPHITIC SHALE, RECESSIVE, THIN BEDDED, FISSILE, MINOR CHERT BEDS.

LOWER CAMBRIAN

l€ncp — CHLORITIC PHYLLITE, NON-CALCAREOUS, GREEN-GREY, RECESSIVE, THIN BEDDED.

l€ ccp — CHLORITIC PHYLLITE, CALCAREOUS GREEN-GRAY, CALCAREOUS, RECESSIVE, THIN-BEDDED.

l€ml — LIMESTONE, MASSIVE, LIGHT GRAY, MASSIVE, CLIFF-FORMING, ARCHEOCYATHID BEARING.

l€pl — LIMESTONE, PHYLLITE, MEDIUM TO DARK GRAY, THIN TO MEDIUM BEDDED, PARTINGS OF GRAPHITIC PHYLLITE.

l€csp — CHLORITE-SERICITE PHYLLITE, CALCAREOUS, LIGHT GREY, THIN BEDDED, RECESSIVE.

l€ch — CHERT, GREY-GREEN, BLOCKY, THINLY LAMINATED.

l€ cpb — CHLORITIC PHYLLITE, CALCAREOUS, MEDIUM TO PALE GREEN, BRECCIA CLASTS.

l€ mv — MAFIC VOLCANIC FLOW, DARK GREEN, MASSIVE, MINOR MAFIC PHENOCRYSTS.

BEDDING (VERTICAL, INCLINED, HORIZONTAL)

F1 FOLIATION (VERTICAL, INCLINED, HORIZONTAL)

L1 LINEATION

JOINTING (VERTICAL, INCLINED)

ANTIFORM

SYNFORM

FAULT (VERTICAL, INCLINED)

VEIN OR DYKE (VERTICAL, INCLINED)

SLICKENSIDES

OUTCROP, SUBCROP, FLOAT

sd SIDERITE
q QUARTZ
g GOETHITE
l LIMONITE
m MALACHITE
c SPARRY CALCITE
p PYRITE
cp CHALCOPYRITE
gn GALENA
po PYRRHOTITE
a ARSENOPYRITE

SCALE: 1:5000
NOTE: CONTOUR INTERVAL IN METRES

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GOLDEN PAVILION RESOURCES

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WHITE CREEK, YUKON
WATSON LAKE M.D. NTS: 105 F/8

PROPERTY GEOLOGY

BY: B.V.H.
DATE: DECEMBER, 1987 FIGURE: 5b

MAIN SHOWING
SAMPLES 85 BK 14-19
FIGURE NO 5 OF HALL, 1988

SONNY SHOWING

RIDLEY SHOWING
SAMPLES B 604 - B 619
SEE FIGURE

GRAY SHOWING SAMPLES
B 557 A - E
SEE FIGURE

YOUNG SHOWING

WHITE CREEK

BL 5N

BL 2N

LEGEND

△ ROCK SAMPLE (FLOAT)
▲ ROCK SAMPLE (OUTCROP)
▲ AREA OF DETAILED SAMPLING
■ STREAM SEDIMENT SAMPLE

50 0 100 200m
SCALE 1:2500

NOTE CONTOUR INTERVAL IN METRES

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GOLDEN PAVILION RESOURCES

SUSAN, ST.PETER, REGAN, SONNY, JESSICA CLAIMS
WHITE CREEK, YUKON
WATSON LAKE M.D. NTS: 105 F/8

ROCK AND SILT SAMPLE LOCATION MAP

BY: B.V.H.
DATE: DECEMBER, 1987 FIGURE: 7a

JESSICA SAMPLES FOR SAMPLES R427&L SEE FIGURE

LEGEND

- △ ROCK SAMPLE (FLOAT)
- ▲ ROCK SAMPLE (OUTCROP)
- AREA OF DETAILED SAMPLING
- ■ STREAM SEDIMENT SAMPLE

50 0 100 200m

SCALE 1 : 2 500

NOTE - CONTOUR INTERVAL IN METRES.

INDEX MAP

SHEET 1 | SHEET 2

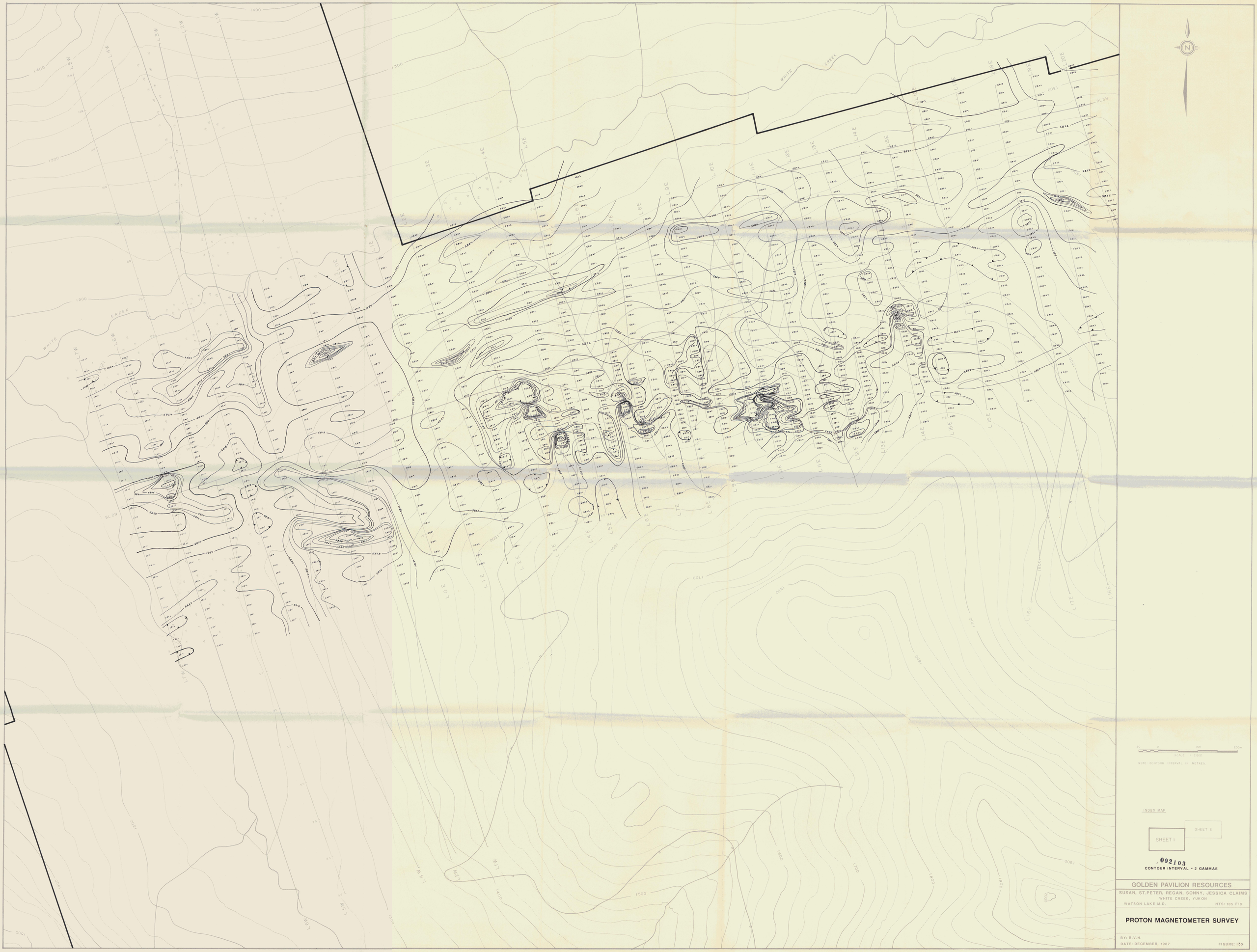
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GOLDEN PAVILION RESOURCES

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WATSON LAKE M.D. NTS: 105 F/8

ROCK AND SILT SAMPLE LOCATION MAP

BY: B.V.H.
DATE: DECEMBER, 1987 FIGURE: 7b



0 100 200m
SCALE 1:2500

NOTE: CONTOUR INTERVAL IN METRES

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CONTOUR INTERVAL = 2 GAMMAS

GOLDEN PAVILION RESOURCES

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WHITE CREEK, YUKON
WATSON LAKE M.D. NTS: 105 F/8

PROTON MAGNETOMETER SURVEY

BY: B.V.H.
DATE: DECEMBER, 1987 FIGURE: 13a

N

SCALE 1 : 5000

50 0 100 200m

NOTE - CONTOUR INTERVAL IN METRES

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CONTOUR INTERVAL = 2 GAMMAS

GOLDEN PAVILION RESOURCES

SUSAN, ST.PETER, REGAN, SONNY, JESSICA CLAIMS
WHITE CREEK, YUKON
WATSON LAKE M.D. NTS: 105 F/8

PROTON MAGNETOMETER SURVEY

BY: B.V.H.
DATE: DECEMBER, 1987 FIGURE: 13b

GOLDEN PAVILION RESOURCES

SUSAN, ST.PETER, REGAN, SONNY, JESSICA CLAIMS
WHITE CREEK, YUKON
WATSON LAKE M.D. NTS: 105 P/8

GEOCHEMISTRY
Au RESULTS in ppb.

BY: B.V.H.
DATE: DECEMBER, 1987 FIGURE: 14a

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SHEET 2

NOTE CONTOUR INTERVAL IN METRES

SCALE 1:2500
50 0 100 200m

LEGEND

- SOIL SAMPLE
- ABOVE BACKGROUND
- POSSIBLY ANOMALOUS
- ANOMALOUS
- DEFINITELY ANOMALOUS
- ROCK SAMPLE (OUTCROP)
- ROCK SAMPLE (FLOAT)
- STREAM SEDIMENT SAMPLE

N



LEGEND

- SOIL SAMPLE
- ABOVE BACKGROUND
- POSSIBLY ANOMALOUS
- ANOMALOUS
- DEFINITELY ANOMALOUS
- ROCK SAMPLE (OUTCROP)
- ROCK SAMPLE (FLOAT)
- STREAM SEDIMENT SAMPLE

50 0 100 200m

SCALE - 1: 2 500

NOTE CONTOUR INTERVAL IN METRES.

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GOLDEN PAVILION RESOURCES

SUSAN, ST.PETER, REGAN, SONNY, JESSICA CLAIMS
WHITE CREEK, YUKON
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GEOCHEMISTRY

Au RESULTS in p.p.b.

BY: B.V.H.
DATE: DECEMBER, 1987 FIGURE: 10b



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GOLDEN PAVILION RESOURCES

SUSAN, ST.PETER, REGAN, SONNY, JESSICA CLAIMS
WHITE CREEK, YUKON
WATSON LAKE M.D. NTS: 105 F/8

GEOCHEMISTRY

Ag RESULTS in p.p.m.

BY: B.V.H.
DATE: DECEMBER, 1987 FIGURE: 15a



LEGEND

- SOIL SAMPLE
- ABOVE BACKGROUND
- POSSIBLY ANOMALOUS
- ANOMALOUS
- DEFINITELY ANOMALOUS
- ▲ ROCK SAMPLE (OUTCROP)
- △ ROCK SAMPLE (FLOAT)
- ■ STREAM SEDIMENT SAMPLE

50 0 100 200m

SCALE : 1 2500

NOTE - CONTOUR INTERVAL IN METRES.

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GOLDEN PAVILION RESOURCES

SUSAN, ST.PETER, REGAN, SONNY, JESSICA CLAIMS
WHITE CREEK, YUKON
WATSON LAKE M.D. NTS: 105 F/8

GEOCHEMISTRY

Ag RESULTS in p.p.m.

BY: B.V.H.
DATE: DECEMBER, 1987 FIGURE: 15b

GOLDEN PAVILION RESOURCES

SUSAN, ST.PETER, REGAN, SONNY, JESSICA CLAIMS
WHITE CREEK, YUKON
WATSON LAKE M.D. NTS: 105 F/8

GEOCHEMISTRY
Pb RESULTS in ppm.

BY: D.Y.H.
DATE: DECEMBER, 1987 FIGURE: 16a

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50 0 100 200m

NOTE CONTOUR INTERVAL IN METRES

LEGEND

- SOIL SAMPLE
- ABOVE BACKGROUND
- POSSIBLY ANOMALOUS
- ANOMALOUS
- DEFINITELY ANOMALOUS
- ROCK SAMPLE (OUTCROP)
- ROCK SAMPLE (FLOAT)
- STREAM SEDIMENT SAMPLE

MAIN SHOWING

SONNY SHOWING

RIDLEY SHOWING

WHITE CREEK

BL 2N

BL 5N

L1W L2W L4W L5W L6W L7W

L0E L1E L2E L3E L4E L5E L6E L7E L8E L9E L10E L11E L12E L13E L14E L15E L16E L17E L18E L19E L20E



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GOLDEN PAVILION RESOURCES

SUSAN, ST.PETER, REGAN, SONNY, JESSICA CLAIMS
WHITE CREEK, YUKON
WATSON LAKE M.D. NTS: 105 F/8

GEOCHEMISTRY

Pb RESULTS in p.p.m.

BY: B.V.H.
DATE: DECEMBER, 1987 FIGURE: 16b

WHITE CREEK

MAIN SHOWING

GRAY SHOWING

RIDLEY SHOWING

SONNY SHOWING

BL 2N

BL 5N

LEGEND

- SOIL SAMPLE
- ABOVE BACKGROUND
- POSSIBLY ANOMALOUS
- ANOMALOUS
- DEFINITELY ANOMALOUS
- ▲ ROCK SAMPLE (OUTCROP)
- △ ROCK SAMPLE (FLOAT)
- ■ STREAM SEDIMENT SAMPLE

50 0 100 200m

SCALE 1:2500

NOTE CONTOUR INTERVAL IN METRES

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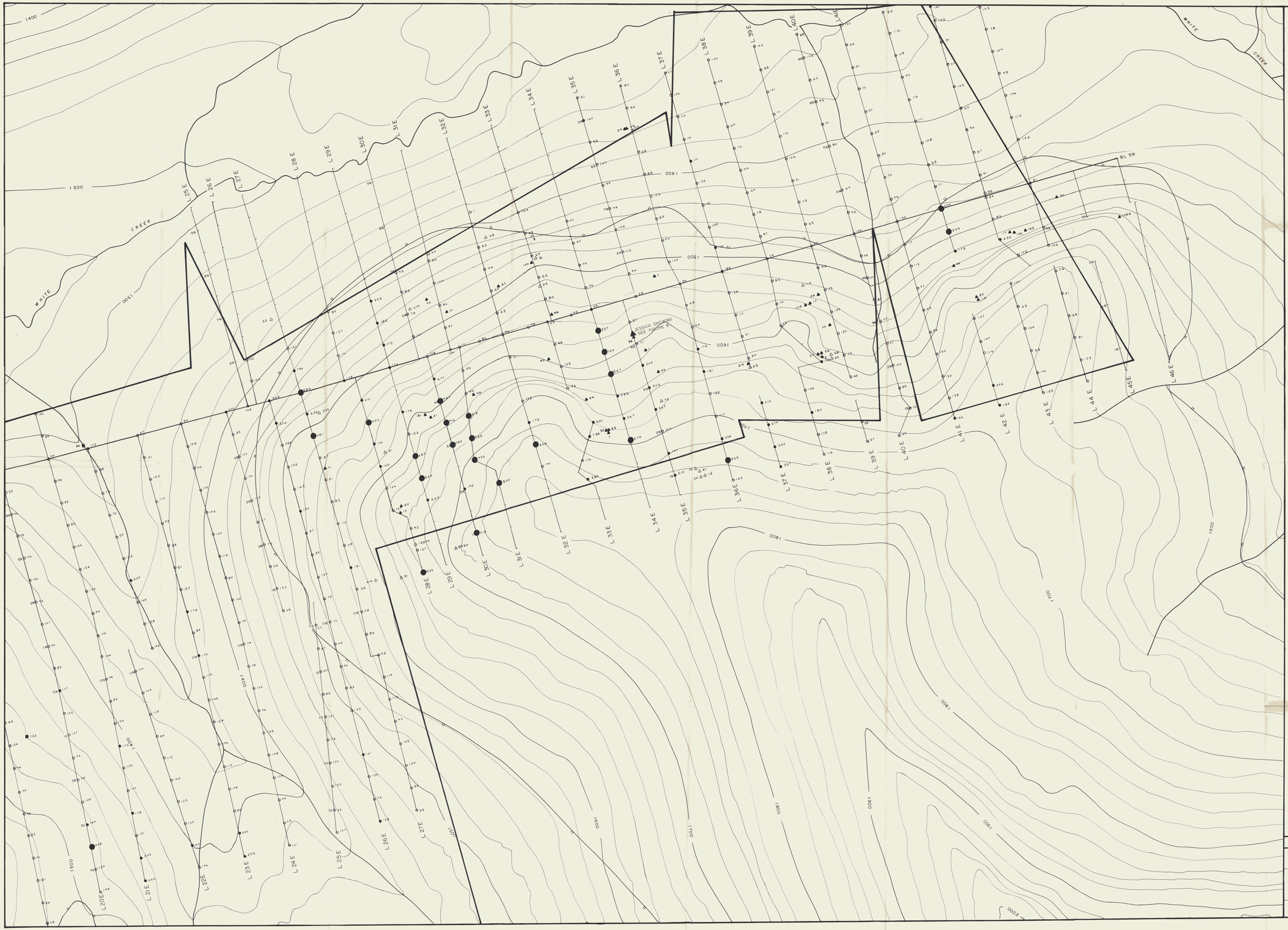
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GEOCHEMISTRY

Zn RESULTS in p.p.m.

BY: B.V.H.
DATE: DECEMBER, 1987 FIGURE: 17a



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GOLDEN PAVILION RESOURCES

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GEOCHEMISTRY

Zn RESULTS in p.p.m.

BY: B.V.H.
DATE: DECEMBER, 1987 092103 FIGURE: 17b

WHITE CREEK

MAIN SHOWING

SONNY SHOWING

RIDLEY SHOWING

GRAY SHOWING

BL 2N

BL 5N

LEGEND

- SOIL SAMPLE
- ABOVE BACKGROUND
- POSSIBLY ANOMALOUS
- ANOMALOUS
- DEFINITELY ANOMALOUS
- ROCK SAMPLE (OUTCROP)
- ROCK SAMPLE (FLOAT)
- STREAM SEDIMENT SAMPLE

50 0 100 200m

SCALE 1:2500

NOTE CONTOUR INTERVAL IN METRES

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WATSON LAKE M.D. NTS: 105 F/8

GEOCHEMISTRY

Cu RESULTS in p.p.m.

BY: B.V.H.

DATE: DECEMBER, 1987 FIGURE: 18a


WHITE CREEK
BL 5N
L 46E
L 45E
L 44 E
L 43 E
L 42E
L 41E
L 40E
L 39E
L 38E
L 37E
L 36E
L 35E
L 34E
L 33E
L 32E
L 31E
L 30E
L 29E
L 28E
L 27E
L 26E
L 25E
L 24E
L 23E
L 22E
L 21E
L 20E
1400
1500
1600
1700
1800
1900
2000
JESSICA SHOWING
SEE FIGURE 8
LEGEND
SOIL SAMPLE
ABOVE BACKGROUND
POSSIBLY ANOMALOUS
ANOMALOUS
DEFINITELY ANOMALOUS
ROCK SAMPLE (OUTCROP)
ROCK SAMPLE (FLOAT)
STREAM SEDIMENT SAMPLE
50 0 100 200m
SCALE 1:2,500
NOTE: CONTOUR INTERVAL IN METRES.
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FIGURE: 18b

GOLDEN PAVILION RESOURCES

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WATSON LAKE M.D. NTS: 105 F/8

GEOCHEMISTRY

As RESULTS in p.p.m.

BY: B.Y.H.

DATE: DECEMBER, 1987 FIGURE: 19a

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SCALE 1:2500

50 0 100 200m

LEGEND

- SOIL SAMPLE
- ABOVE BACKGROUND
- POSSIBLY ANOMALOUS
- ANOMALOUS
- DEFINITELY ANOMALOUS
- ROCK SAMPLE (OUTCROP)
- ROCK SAMPLE (FLOAT)
- STREAM SEDIMENT SAMPLE

N

BL 5N

BL 2N

L20E L18E L17E L15E L14E L13E L12E L11E L10E L9E L8E L7E L6E L5E L4E L3E L2E L1E L0E L1W L2W L3W L4W L5W L6W L7W

WHITE CREEK

MAIN SHOWING

GREAT SHOWING

RIDGE SHOWING

SONNY SHOWING

1400 1500 1600 1700 1800 2000 1300 1200



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GOLDEN PAVILION RESOURCES

SUSAN, ST.PETER, REGAN, SONNY, JESSICA CLAIMS
WHITE CREEK, YUKON
WATSON LAKE M.D. NTS: 105 F/8

GEOCHEMISTRY

As RESULTS in p.p.m.

BY: B.V.H.
DATE: DECEMBER, 1987 FIGURE: 1B

LEGEND

- SOIL SAMPLE
- ABOVE BACKGROUND
- POSSIBLY ANOMALOUS
- ANOMALOUS
- DEFINITELY ANOMALOUS
- ROCK SAMPLE (OUTCROP)
- ROCK SAMPLE (FLOAT)
- STREAM SEDIMENT SAMPLE

50 0 100 200m

SCALE 1:2500

NOTE CONTOUR INTERVAL IN METRES

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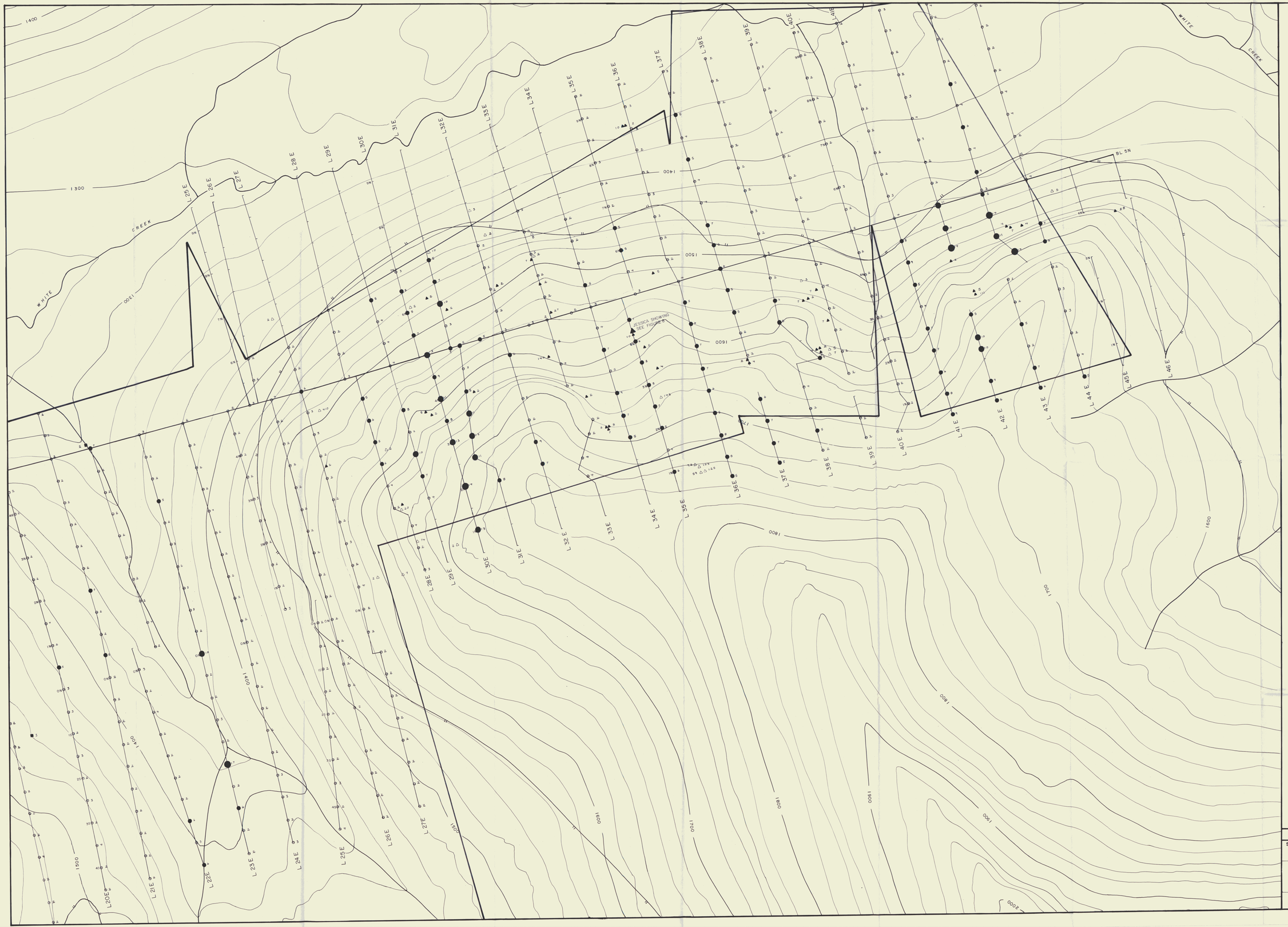
GOLDEN PAVILION RESOURCES

SUSAN, ST.PETER, REGAN, SONNY, JESSICA CLAIMS
WHITE CREEK, YUKON
WATSON LAKE M.D. NTS: 105 F/8

GEOCHEMISTRY

Sb RESULTS in p.p.m.

BY: B.V.H.
DATE: DECEMBER, 1987 FIGURE: 20a



LEGEND

- SOIL SAMPLE
- ABOVE BACKGROUND
- POSSIBLY ANOMALOUS
- ANOMALOUS
- DEFINITELY ANOMALOUS
- ▲ ROCK SAMPLE (OUTCROP)
- △ ROCK SAMPLE (FLOAT)
- ■ STREAM SEDIMENT SAMPLE

50 0 100 200m

SCALE 1:2500

NOTE: CONTOUR INTERVAL IN METRES.

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Sb RESULTS in p.p.m.

BY: B.V.H.
DATE: DECEMBER, 1987 FIGURE: 20b

GOLDEN PAVILION RESOURCES

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WHITE CREEK, YUKON

GEOCHEMISTRY

Bi RESULTS in p.p.m.

BY: R.V.H.
DATE: DECEMBER, 1987 FIGURE: 21a

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NOTE CONTOUR INTERVAL IN METRES

SCALE 1:2500
50 0 100 200m

LEGEND

- SOIL SAMPLE
- ABOVE BACKGROUND
- POSSIBLY ANOMALOUS
- ANOMALOUS
- DEFINITELY ANOMALOUS
- ROCK SAMPLE (OUTCROP)
- ROCK SAMPLE (FLOAT)
- STREAM SEDIMENT SAMPLE

RIDGE SHOWING

GRAY SHOWING

MAIN SHOWING

SONNY SHOWING

WHITE CREEK

BL.5N

BL.2N

L1E L2E L3E L4E L5E L6E L7E L8E L9E L10E L11E L12E L13E L14E L15E L16E L17E L18E L19E L20E

L1W L2W L3W L4W L5W L6W L7W

1500 1400 1300 1200 1600 1700 1800 1900 2000



LEGEND

- SOIL SAMPLE
- ABOVE BACKGROUND
- POSSIBLY ANOMALOUS
- ANOMALOUS
- DEFINITELY ANOMALOUS
- ROCK SAMPLE (OUTCROP)
- ROCK SAMPLE (FLOAT)
- STREAM SEDIMENT SAMPLE

50 0 100 200m

SCALE 1:2500

NOTE CONTOUR INTERVAL IN METRES

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GEOCHEMISTRY

Bi RESULTS in p.p.m.

BY: B.V.H.
DATE: DECEMBER, 1987 FIGURE: 21b

WHITE CREEK

MAIN SHOWING

GRAY SHOWING

RIDLEY SHOWING

SONNY SHOWING

BL 5N

BL 2N

LEGEND

- SOIL SAMPLE
- ABOVE BACKGROUND
- POSSIBLY ANOMALOUS
- ANOMALOUS
- DEFINITELY ANOMALOUS
- ROCK SAMPLE (OUTCROP)
- ROCK SAMPLE (FLOAT)
- STREAM SEDIMENT SAMPLE

50 0 100 200m

SCALE 1 2500

NOTE CONTOUR INTERVAL IN METRES

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WHITE CREEK, YUKON

WATSON LAKE M.D. NTS: 105 F/8

GEOCHEMISTRY

Cd RESULTS in p.p.m.

BY: B.V.H.

DATE: DECEMBER, 1987 FIGURE: 22a



LEGEND

- ○ SOIL SAMPLE
- ● ABOVE BACKGROUND
- ● POSSIBLY ANOMALOUS
- ● ANOMALOUS
- ● DEFINITELY ANOMALOUS
- ▲ ROCK SAMPLE (OUTCROP)
- △ ROCK SAMPLE (FLOAT)
- ■ STREAM SEDIMENT SAMPLE

50 0 100 200m

SCALE 1:2500

NOTE: CONTOUR INTERVAL IN METRES.

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GOLDEN PAVILION RESOURCES

SUSAN, ST.PETER, REGAN, SONNY, JESSICA CLAIMS

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WATSON LAKE M.D. NTS: 105 F/8

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GEOCHEMISTRY

Cd RESULTS in p.p.m.

BY: B.V.H.

DATE: DECEMBER, 1987 FIGURE: 22b

WHITE CREEK

MAIN SHOWING

SUNDAY SHOWING

RIDGE SHOWING

GRAY SHOWING

SONNY SHOWING

BL 2N

BL 5N

LEGEND

- SOIL SAMPLE
- ABOVE BACKGROUND
- POSSIBLY ANOMALOUS
- ANOMALOUS
- DEFINITELY ANOMALOUS
- ▲ ROCK SAMPLE (OUTCROP)
- △ ROCK SAMPLE (FLOAT)
- ■ STREAM SEDIMENT SAMPLE

50 0 100 200m

SCALE 1:2500

NOTE CONTOUR INTERVAL IN METRES

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GOLDEN PAVILION RESOURCES

SUSAN, ST.PETER, REGAN, SONNY, JESSICA CLAIMS

WHITE CREEK, YUKON

WATSON LAKE M.D. NTS: 105 F/8

GEOCHEMISTRY

Fe RESULTS in wt %

BY: B.V.H.

DATE: DECEMBER, 1987 FIGURE: 23a



N

LEGEND

- SOIL SAMPLE
- ABOVE BACKGROUND
- POSSIBLY ANOMALOUS
- ANOMALOUS
- DEFINITELY ANOMALOUS
- ROCK SAMPLE (OUTCROP)
- ROCK SAMPLE (FLOAT)
- STREAM SEDIMENT SAMPLE

50 0 100 200m

SCALE 1:2500

NOTE CONTOUR INTERVAL IN METRES

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GOLDEN PAVILION RESOURCES

SUSAN, ST.PETER, REGAN, SONNY, JESSICA CLAIMS
WHITE CREEK, YUKON
WATSON LAKE M.D. NTS: 105 F/8

GEOCHEMISTRY

Fe RESULTS in wt.%

BY: B.V.H.
DATE: DECEMBER, 1987 FIGURE: 23b

WHITE CREEK

MAIN SHOWING

SONNY SHOWING

RIDLEY SHOWING

GRAY SHOWING

LEGEND

- SOIL SAMPLE
- ABOVE BACKGROUND
- POSSIBLY ANOMALOUS
- ANOMALOUS
- DEFINITELY ANOMALOUS
- ROCK SAMPLE (OUTCROP)
- ROCK SAMPLE (FLOAT)
- STREAM SEDIMENT SAMPLE

SCALE 1:2500

NOTE CONTOUR INTERVAL IN METRES

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GOLDEN PAVILION RESOURCES

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WHITE CREEK, YUKON

WATSON LAKE M.D. NTS: 105 F/8

GEOCHEMISTRY

W RESULTS in p.p.m.

BY: B.V.H.

DATE: DECEMBER, 1987 FIGURE: 24g



N

LEGEND

- SOIL SAMPLE
- ABOVE BACKGROUND
- POSSIBLY ANOMALOUS
- ANOMALOUS
- DEFINITELY ANOMALOUS
- ROCK SAMPLE (OUTCROP)
- ROCK SAMPLE (FLOAT)
- STREAM SEDIMENT SAMPLE

50 0 100 200m

SCALE 1 : 2 500

NOTE. CONTOUR INTERVAL IN METRES.

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GOLDEN PAVILION RESOURCES

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WATSON LAKE M.D. NTS: 105 F/8

GEOCHEMISTRY

W RESULTS in p.p.m.

BY: B.V.H.
DATE: DECEMBER, 1987 FIGURE: 24b

APPENDIX A

DESCRIPTION OF ROCK SAMPLES SUBMITTED FOR ASSAY

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APPENDIX A

DESCRIPTION OF ROCK SAMPLES SUBMITTED FOR ASSAY

Sample Numbers	Location	Description
87-BR-400	L38+50E 4+75N	Float grab sample containing massive siderite, largely oxidized to goethite, minor calcite veinlets, also minor pyrite (less than 2%) cubes, immediately downhill of 87-BR 402 A, B.
87-BR-402A	L38+50E 3+75N	1.0 meter horizontal channel sample, 1-2% siderite veins containing minor pyrite, associated with sparry calcite.
87-BR-402B	L38+50E 3+75N	1.0 meter horizontal channel sample immediately to the west of 87-BR-402A. 1-2% siderite veins associated with up to 5% sparry calcite.
87-BR-419	L41+90E 3+75N	Outcrop grab sample of a 15 centimeter wide gossanous zone consisting of goethite and scordite zone oriented 95/90.
87-BR-420A	L43+25E 4+00N	Outcrop grab sample of recrystallized limestone containing 3-5% quartz veins and a trace amount of disseminated pyrite.
87-BR-420B	L43+25E 4+00N	Outcrop grab sample of recrystallized limestone containing minor siderite. Sample is peripheral to 87-BR-420A.
87-BR-422	L44+60E 4+50N	Float grab sample of massive siderite, now oxidized to goethite, siderite quite coarse grained.
87-BR-424	L35+50E 5+30N	50 centimeter wide horizontal channel sample of a quartz vein.
87-BR-427a Figure 8	Jessica Showing L35+07E 4+19N	1.0 meter horizontal channel sample of recrystallized limestone which contains 5-15% siderite veins, and minor late veins of sparry calcite.
87-BR-427b Figure 8	Jessica Showing L35+07E 4+19N	1.0 meter horizontal channel sample of recrystallized limestone which contains 5-15% siderite veins and minor late veins of sparry calcite.
87-BR-427b Figure 8	Jessica Showing L35+07E 4+19N	1.0 meter horizontal channel sample immediately west of 87-BR-427b east half of sample is similar to 87-BR-427b, west half consists of 50% pyrite, 1% chalcopyrite and trace amounts of pyrrhotite.

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Sample Numbers	Location	Description
87-BR-427d Figure 8	Jessica Showing L35+07E 4+19N	1.0 meter horizontal channel sample immediately west of 87-BR-427c. Coarsely disseminated massive sulphides containing 50% pyrite, 1% chalcopyrite and trace amounts of chalcopyrite.
87-BR-427e Figure 8	Jessica Showing L35+07E 4+19N	1.0 meter horizontal channel sample immediately west of 87-BR-427d. Predominantly a recrystallized limestone containing veins of siderite and some quartz veins.
87-BR-427f Figure 8	Jessica Showing L35+07E 4+19N	1.0 meter horizontal channel sample immediately west of 87-BR-427e. Predominantly a recrystallized limestone containing 5% pyrite veins, 5% quartz veins, plus up to 10% siderite.
87-BR-427g Figure 8	Jessica Showing L35+07E 4+19N	1.0 meter horizontal channel sample immediately west of 87-BR-427f. Massive siderite crosscut by coarse veins of pyrite (10 to 50%) plus up to 3% arsenopyrite.
87-BR-427h Figure 8	Jessica Showing L35+07E 4+19N	1.0 meter horizontal channel sample immediately west of 87-BR-427g. Recrystallized limestone containing minor siderite veins plus 1-3% pyrite in the form of veins and disseminations.
87-BR-427i Figure 8	Jessica Showing L35+07E 4+19N	1.0 meter horizontal channel sample immediately west of 87-BR-427h. Dark gray limestone crosscut by minor veins of pyrite (1-2%).
87-BR-427j Figure 8	Jessica Showing L35+07E 4+19N	1.0 meter horizontal channel sample immediately west of 87-BR-427i. Dark gray limestone crosscut by minor veins of pyrite (1-2%).
87-BR-427k Figure 8	Jessica Showing L35+07E 4+19N	1.0 meter horizontal channel sample immediately west of 87-BR-427j. Gray limestone crosscut by veins of quartz, sparry calcite and siderite (up to 10%) plus 1-2% veins of pyrite and up to 3% disseminated pyrite.
87-BR-427l Figure 8	Jessica Showing L35+07E 4+19N	1.0 meter horizontal channel sample immediately west of 87-BR-427k. Gray limestone crosscut by minor veins of quartz, sparry calcite and siderite (5-10%) plus minor disseminated and veined pyrite.

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Sample Numbers	Location	Description
87-BR-428	L35+45E 3+75N	Outcrop grab sample of massive quartz veins up to 1.0 meter wide containing trace amounts of disseminated pyrite plus minor malachite staining. In general it appears to be parallel to the F_1 foliation (95/37N). Vein also vuggy in places.
87-BR-429	L35+50E 3+25N	10 centimeter wide channel sample of massive siderite vein. Siderite is quite coarse-grained and partially altered to goethite. Host rock is a recrystallized limestone.
87-BR-431	L35+30E 2+65N	Float grab sample of oxide material consisting of limonite and goethite. Open boxwork little of original rock remaining.
87-BR-442A	L35+50E 1+00N	Float grab sample of what appears to be massive arsenopyrite which is crosscut by pale green veins of quartz and scordite. Some blocks up to 15 x 30 centimeter in diameter.
87-BR-442B	L35+50E 1+00N	Float grab sample of what appears to be massive arsenopyrite which has been crosscut by pale green veins of quartz and scordite. Some blocks up to 15 x 30 centimeter in diameter.
87-BR-443	L33+00E 7+00N	Float grab sample of massive quartz containing up to 1% disseminated pyrite.
87-BR-446A	L33+00E 6+60N	Outcrop grab sample of a banded quartz vein containing minor amounts of malachite and erythrite as stains along fractures. Vein roughly horizontal and approximately 30 centimeter wide.
87-BR-446B	L33+00E 6+60N	Float grab sample of massive siderite.
87-BR-449	L33+00E 5+80N	20 centimeter wide horizontal channel sample of massive siderite hosted by a near vertical vein which trends 110/75N. Trace amounts of disseminated pyrite are also included in sample.
87-BR-453	L32+80E 4+25N	Outcrop grab sample of massive pyrite-siderite with trace amounts of galena. Pyrite generally fine-grained although in a few places, it appears to have been recrystallized.
87-BR-456A	L33+70E 2+25N	1.0 meter horizontal channel sample of recrystallized limestone which contains veins of siderite.

Sample Numbers	Location	Description
87-BR-456B	L33+70E 2+25N	1.0 meter horizontal channel sample of massive siderite which contains veins of pyrite and chalcopyrite over a 50 centimeter wide interval in the center of this mineralized zone.
87-BR-456C	L33+70E 2+25N	30 centimeter horizontal channel sample of a massive quartz vein which crosscuts perpendicular to the mineralized zone.
87-BR-472	L32+00E 7+75N	Float grab sample of quartz vein blocks up to 60 centimeter in diameter. In addition to quartz there are minor amounts of disseminated pyrite and chalcopyrite.
87-BR-473	L32+20E 7+20N	Float grab sample of massive siderite which contains minor amounts of coarse-grained disseminated pyrite.
87-BR-476	L32+50E 6+50N	Outcrop grab sample of massive siderite veins which trend 105/82N.
87-BR-487	L31+00E 4+00N	50 centimeters of horizontal channel sample of a series of 1-3 centimeter wide coarse-grained siderite veins, which are oriented roughly 14/71W. Also included in the siderite veins are trace amounts of clotty pyrite. Mineralized zone is roughly 2.0 meter wide.
87-BR-499	L29+30E 0+75N	Float grab sample of oxide float consisting of a boxwork of limonite and goethite.
87-BR-506	L29+90E 3+70N	Outcrop grab sample of 4.0 meter wide dolomitic zone trending 105/90. In addition to dolomite coarse-grained sparry calcite veins are also present.
87-BR-511	L30+00E 6+00N	Float grab sample of massive siderite containing trace amounts of disseminated pyrite.
87-BR-512	L31+00E 7+25N	Float grab sample of massive siderite containing veinlets of quartz and pyrite.
87-BR-515	L30+80E 6+45N	Outcrop grab sample of small (less than 3 centimeters wide) siderite-pyrite veins.
87-BR-517	L31+30E 5+75N	Outcrop grab sample of some 3 centimeters wide siderite veins hosted by a 50 centimeter wide mineralized zone which trends 82/165.
87-BR-522	L29+50E 3+50N	Outcrop grab sample of recrystallized limestone which contains minor veins of siderite. Occupying the footwall of this zone is a mafic dyke.

Sample Numbers	Location	Description
87-BR-534	L28+00E 1+75N	Float grab samples of large boulders consisting of a boxwork of goethite and limonite.
87-BR-536	L28+00E 0+90N	Float grab sample of oxide material consisting of a boxwork of goethite and limonite.
87-BR-541	L27+70E 0+50N	Float grab samples of a phyllitic limestone containing oxide material consisting of limonite and goethite replacing disseminated pyrite.
87-BR-542	L27+30E 0+50N	Float grab sample of veins of siderite containing 5% disseminated pyrite.
87-BR-546	L27+00E 3+25N	Float grab sample of quartz vein material minor amounts of pyrite.
87-BR-351	L33+00E 5+10N	Outcrop grab sample of recrystallized limestone which is crosscut by a number of randomly oriented quartz veins which contain minor malachite staining and up to 5% chalcopyrite.
87-BR-555	L33+00E 3+50N	Outcrop grab sample of a series of siderite veins up to 3 centimeters wide comprising roughly 5% of an area 2.0 meters wide.
87-BR-562	L27+00E 4+40N	Float grab sample of massive arsenopyrite which is partially oxidized to scordite.
87-BR-582	L15+70E 3+00N	Float grab sample consisting of massive siderite with trace amounts of disseminated pyrite.
87-BR-599A	L13+50E 1+80N	1.0 meter horizontal channel sample of a quartz vein which contains minor malachites staining.
87-BR-599B	L13+50E 1+80N	Outcrop grab sample of a recrystallized limestone which contains minor veins of siderite and pyrite.
87-BR-500	L14+00E 1+60N	1.0 meter wide channel sample of a quartz vein which contains some malachite staining.
87-BR-600B	L14+00E 1+60N	Outcrop grab sample of 1.0 meter wide quartz vein which contains up to 7% chalcopyrite.
87-BR-604 Figure 9	Ridley Showing L14+00E 0+90N	Outcrop grab sample of a recrystallized limestone which is crosscut by a stockwork of siderite veins. Minor pyrite veins containing trace amounts of arsenopyrite are also present.
87-BR-605 Figure 9	Ridley Showing L14+00E 0+80	Channel sample over 2.0 meter of massive siderite containing 1-5% pyrite.

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Sample Numbers	Location	Description
87-BR-607 Figure 9	Ridley Showing L14+10E 0+80N	1.0 meter channel sample of massive siderite which is crosscut by 1% pyrite stringers.
87-BR-608 Figure 9	Ridley Showing L14+13E 0+80N	Outcrop grab sample of massive siderite which is crosscut by minor veins of quartz.
87-BR-609 Figure 9	Ridley Showing L14+25E 0+70N	2.0 meter channel sample of massive siderite, which also contains minor disseminated pyrite.
87-BR-610 Figure 9	Ridley Showing L14+30E 0+60N	1.0 meter vertical channel sample of massive siderite.
87-BR-611 Figure 9	Ridley Showing L14+35E 0+60N	1.0 meter vertical channel sample of massive siderite.
87-BR-612 Figure 9	Ridley Showing L14+40E 0+68N	1.0 meter vertical channel sample of massive siderite.
87-BR-613 Figure 9	Ridley Showing L13+90E 0+85N	1.5 meter channel sample of massive siderite which contains up to 5% large euhedral grains of pyrite.
87-BR-614 Figure 9	Ridley Showing L13+83E 0+85N	1.5 meter channel sample of massive siderite which contains trace amounts of pyrite.
87-BR-615 Figure 9	Ridley Showing L13+80E 0+85N	2.0 meter channel sample of massive siderite.
87-BR-616 Figure 9	Ridley Showing L13+85E 0+50N	1.0 meter channel sample of massive siderite containing trace amounts of clotty pyrite.
87-BR-617 Figure 9	Ridley Showing L13+85E 0+55N	2.0 meter channel sample of massive siderite.
87-BR-618 Figure 9	Ridley Showing L13+85E 0+50N	2.0 meter channel sample of massive siderite.
87-BR-619 Figure 9	Ridley Showing L13+83E 0+55N	2.0 meter channel sample of massive siderite.
87-BR-631 Figure 9	Ridley Showing L8+00E 0+85N	Float grab sample from a small hand dug trench measuring 2 x 2 meters. Mineralization consists of massive siderite containing 1-2% pyrite in the form of stringers and disseminated cubes.
87-BR-632	L7+70E 1+00N	Float grab sample of oxide material consisting of goethite and limonite.
87-BR-634	L7+60E 1+10N	Float grab sample of massive siderite which contains 1% disseminated pyrite.

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Sample Numbers	Location	Description
87-BR-635	L7+70E 1+10N	Outcrop grab sample of oxide material with relict pyrite, now largely consisting of limonite and goethite.
87-BR-636	L7+80E 1+20N	Float grab samples of massive pyrite which contains some siderite and minor malachite staining, now largely converted to goethite and limonite.
87-BR-641	L9+00E 0+00N	2.0 meter wide horizontal channel sample of massive siderite which is crosscut by 3-5% pyrite in the form of veinlets along with minor amounts of chalcopyrite and pyrrhotite. Also present are minor quartz veins.
87-BR-556	L10+50E 1+10S	Float grab sample of massive siderite which is crosscut by veins of pyrite which constitute 5% of the rock.
87-BR-657A Figure 10	L9+95N 0+26S	Float grab sample of a boulder of massive pyrrhotite, minor galena present also.
87-BR-657C Figure 10	L9+90E 0+27S	Float grab sample of massive quartz containing lessor veins of pyrite, quartz vuggy in places.
87-BR-657D Figure 10	L9+92E 0+29S	Float grab sample of massive quartz containing 5-10% pyrite and 5% disseminated arsenopyrite minor veins of massive pyrite with lesser chalcopyrite and pyrrhotite.
87-BR-657F Figure 10	L9+96E 0+33S	Float grab sample of oxide material consisting of goethite and limonite.
87-BR-671	L4+00W 3+00N	Float grab sample of massive siderite, crosscut by up to 5% pyrite veins.
87-BR-673	L5+10W 1+75N	Outcrop grab sample from a small hand dug trench massive siderite containing 1-3% veined pyrite.
87-BR-674	L5+30W 1+70N	Grab sample from a small hand dug trench which did not reach bedrock. Massive siderite containing 1-3% pyrite veins and minor quartz veins.
87-BR-675	L3+40W 1+80N	Outcrop grab sample from a small hand dug trench. Massive siderite with minor pyrite (1-3%) veins.
87-BR-676	L4+75W 2+20N	Outcrop chip sample from a 7 meter long hand dug trench. Massive siderite with minor quartz veins, up to 20% pyrite in irregular veins.
87-BR-677	L5+00W 2+26N	Float grab sample from a small hand dub trench 5 meters long. Massive siderite.

Sample Numbers	Location	Description
87-BR-683	L8+50E 0+10N	Float grab sample of massive siderite containing minor veins of pyrite.
87-CR-217	L45+90E 3+75N	Outcrop grab sample of a quartz vein (1.0 - 2.0 meters wide), minor galena (2%) associated with 5% pyrite, orientated 110/30SW.
87-CR-222	L43+55E 4+00N	Outcrop grab sample of a small gossan area roughly 2 meters by 2 meters. Mineralization consists of a 20 centimeter wide band containing up to 5% disseminated pyrite.
87-CR-229	L42+20E 3+00N	Chip sample over a 20 centimeter wide calcite vein containing minor disseminated pyrite.
87-CR-230	L42+20E 2+90N	Chip sample over a 3 centimeter of pyrite vein containing up to 25% fine grained pyrite.
87-CR-246	L38+50E 2+50N	Chip sample over 40 centimeters of a quartz vein containing pods of massive siderite with lesser (1-3%) disseminated pyrite.
87-CR-247	L38+50E 2+50N	Chip sample 60 centimeters wide of the same quartz vein as C-246 only 1.0 meters to the south. Massive quartz with minor pyrite.
87-CR-248	L38+45E 2+50N	Chip sample 60 centimeters wide of same quartz vein as C-246, massive quartz containing up to 7% clotty pyrite also minor malachite and azurite staining along some surfaces.
87-CR-255	L37+00E 2+80N	Outcrop chip sample over 50 centimeters of a shear zone, minor goethite and hematite staining, no sulphides observed, same sample locality as 87-DR-40.
87-CR-258	L33+00E 5+90N	Outcrop grab sample of a large gossan area, mostly massive siderite which has been partially altered to goethite and limonite, trace amounts of pyrite and chalcopyrite.
87-CR-266	L12+00E 0+10N	Outcrop chip sample over 20 centimeters of a small gossan, minor disseminated pyrite and arsenopyrite grains, outcrop mostly oxidized to goethite and limonite.
87-CR-276	L12+15E 1+55N	Chip sample over 50 centimeters of massive quartz vein containing trace amounts of chalcopyrite and a minor amount of malachite staining.

Sample Numbers	Location	Description
87-CR-277	L12+15E 1+55N	Chip sample over 1.4 meters of same vein as CR-276. Some limonite staining otherwise very little mineralization.
87-CR-280	L12+15E 2+70N	Chip sample over 50 centimeters of massive siderite, also present are minor amounts of disseminated pyrite and lesser quartz veins.
87-CR-283	L13+00E 2+10S	Outcrop grab sample of a limonitic vein hosted by a graphitic argillite vein appears to be parallel to the foliation.
87-CR-285	L12+50E 1+75S	Channel sample over 110 centimeters of massive pyrite with minor amounts of arsenopyrite and chalcopyrite. To the hanging wall is a graphitic argillite and to the footwall is a chloritic phyllite outcrop is largely oxidized to goethite and limonite.
87-CR-286	L12+50E 1+75S	Chip sample over 120 centimeters of massive pyrite, now largely oxidized to goethite and limonite. Sample taken immediately to south of C-285 at the footwall portion of zone.
87-CR-287	L12+50E 1+75S	Chip sample over 90 centimeters of massive pyrite, now largely oxidized to goethite and limonite. Sample taken immediately to the east of C-285 at the hanging wall portion of zone.
87-CR-288	L12+50E 1+75N	Chip sample over 85 centimeters of massive pyrite with lesser arsenopyrite. Sulphides now largely oxidized to goethite and limonite. Sample taken immediately to south of C-287 at the hanging wall portion of zone.
87-CR-294	L13+00E 2+30N	Chip sample over 125 centimeters of massive siderite containing minor pyrite and chalcopyrite.
87-CR-294A	L13+00E 2+30N	Same as 87-CR-294.
87-CR-295	L13+00E 2+30N	Chip sample over 60 centimeters of massive siderite.
87-CR-296	L13+00E 2+30N	Chip sample over 200 centimeters of massive siderite.
87-CR-297	L13+00E 2+30N	Chip sample over 90 centimeters of massive siderite.

Sample Numbers	Location	Description
87-CR-299	L12+00E 3+00N	Float grab sample of a large boulder which is thought to be local, mainly siderite with minor amounts of pyrite and chalcopyrite.
87-CR-299A	L12+00E 3+00N	Float grab sample of a large boulder which is thought to be local, mainly siderite with minor amounts of pyrite and chalcopyrite.
87-CR-302	L11+00E 1+55S	Float grab sample from a gopher hole, massive siderite with lesser pyrite, chalcopyrite and quartz.
87-CR-302A	L11+00E 1+55S	Float grab sample from a gopher hole, massive siderite with lesser pyrite, chalcopyrite and quartz.
87-CR-307	L11+50E 1+00S	Chip sample over 110 centimeter of massive pyrite, galena, pyrrhotite and possibly siderite. Old flag nearby 86-RXT-1081 mineralized zone approximately 8 meters thick in total.
87-CR-308	L11+50E 1+00S	Chip sample over 70 centimeters of massive pyrite, galena, pyrrhotite and siderite, with trace amounts of chalcopyrite flag nearby 86-RXT-1081 mineralized zone is approximately 8 meters thick in total.
87-CR-309	L11+50E 1+00S	Chip sample over 80 centimeters of massive galena, pyrite, pyrrhotite and possibly siderite, with trace amounts of chalcopyrite galena more abundant in this sample as opposed to samples C-307 and C-308.
87-CR-310	L11+50E 1+00S	Chip sample over 60 centimeters similar to sample C-309.
87-CR-313	L11+50E 0+60S	Float grab sample of massive siderite containing minor amounts of disseminated pyrite (less than 1%).
87-CR-319	L5+25E 1+55N	Float grab sample of massive siderite, now oxidized to limonite and goethite, also present is minor amounts of disseminated pyrite.
87-CR-500	Trench 87-1 *1.0 m horz 0.1 m vert	50 centimeter channel sample at 45° consisting of massive siderite (40°) with minor pyrite veins.

* denotes distance from start point in trench

Sample Numbers	Location	Description
87-CR-501	Trench 87-1 *1.5 m horz 0 m vert	60 centimeter horizontal channel consisting of massive siderite (40%) with minor pyrite veins.
87-CR-502	Trench 87-1 *2.0 m horz 0 m vert	60 centimeter channel sample at 45° consisting of massive siderite (40%) with up to 4% finely disseminated pyrite and minor chalcopyrite.
87-CR-503	Trench 87-1 *2.0 m horz	50 centimeter channel sample at a 45° consisting of quite oxidized material most likely siderite and pyrite with up to 5% pyrrhotite sulphide content distinctly higher than previous samples.
87-CR-504	Trench 87-1 *2.0 m horz 0.4 m vert	40 centimeter horizontal channel sample consisting of massive siderite with lesser amounts of pyrrhotite.
87-CR-505	Trench 87-1 *2.5 m horz 1.0 m vert	45 centimeter horizontal channel sample consisting of massive siderite (pale gray) with up to 5% large euhedral; pyrite grains, relatively unoxidized.
87-CR-506	Trench 87-1 *3.0 m horz 1.0 m vert	35 centimeter channel sample at 45° consisting of massive siderite (pale gray) with 5-7% large euhedral pyrite grains, similar to C-505, relatively unoxidized.
87-CR-507	Trench 87-1 *3.5 m horz 1.0 m vert	50 centimeter horizontal channel sample of oxide material consisting mostly of goethite and limonite, with up to 5% pyrrhotite.
87-CR-508	Trench 87-1 *3.8 m horz 6.8 m vert	40 centimeter horizontal channel sample consisting of limestone crosscut by minor veins of siderite also present are fine veinlets of pyrite.
87-CR-509	Trench 87-1 *4.3 horz 1.0 vert	40 centimeter horizontal channel sample consisting of gray limestone crosscut by veins of sparry calcite, siderite and pyrrhotite.
87-CR-510	Trench 87-1 *4.8 horz 1.1 vert	50 centimeter horizontal channel sample consisting of massive siderite with inclusions of quartz, siderite heavily oxidized to goethite and limonite.
87-CR-511	Trench 87-1 *5.3 horz 1.2 vert	45 centimeter horizontal channel sample consisting of massive siderite which has been oxidized to goethite and limonite.

* denotes distance from start point in trench

Sample Numbers	Location	Description
87-CR-512	Trench 87-1 *6.0 m horz 1.5 m vert	65 centimeter horizontal channel sample consisting of massive siderite with inclusions of quartz, siderite has been heavily oxidized to goethite and limonite. 5% euhedral pyrite grains.
87-CR-513	Trench 87-1 *6.3 horz 1.3 vert	45 centimeter channel sample at a 45° angle consisting of massive siderite with a minor amount of pyrite veins, plus some sparry calcite veins, siderite heavily oxidized to goethite and limonite.
87-CR-514	Trench 87-1 *4.5 m horz 2.5 m vert	45 centimeter horizontal channel sample similar to C-513.
87-CR-515	Trench 87-1 *5.5 m horz 2.5 m vert	30 centimeter horizontal channel sample of massive siderite which has been heavily oxidized to goethite and limonite, minor pyrite veins (5-10%).
87-CR-516	Trench 87-1 *5.5 m horz 2.5 m vert	50 centimeter horizontal channel sample of highly oxidized material.
87-CR-517	Trench 87-1 *5.8 m horz 2.0 m vert	50 centimeter horizontal channel sample of massive siderite which has been heavily oxidized to goethite and limonite minor pyrrhotite also present along with 5% clots of euhedral pyrite.
87-CR-518	Trench 87-1 *6.3 m horz 2.0 m vert	50 centimeter channel sample at 45° of heavily oxidized material, most likely siderite.
87-CR-519	Trench 87-1 *6.8 m horz 2.0 m vert	50 centimeter channel sample at 45° consisting of heavily oxidized material, most likely siderite.
87-CR-520	Trench 87-1 *6.0 m horz 0.0 m vert	50 centimeter horizontal channel sample of massive siderite (pale gray) with minor disseminated pyrite.
87-CR-521	Trench 87-1 *6.5 m horz 0.0 m vert	50 centimeter horizontal channel sample of limestone which has been crosscut by veins of siderite and rare euhedral cubes of pyrite.
87-CR-522	Trench 87-1 *7.3 m horz 0.0 m vert	50 centimeter horizontal channel sample of massive siderite which contains S-10% pyrrhotite, both of which have been oxidized to goethite and limonite.
87-CR-523	Trench 87-1 *7.8 m horz 0.0 m vert	35 centimeter horizontal channel sample of limestone which has been crosscut by veins of pyrite and siderite.

* denotes distance from start point in trench

Sample Numbers	Location	Description
87-CR-524	Trench 87-1 *8.3 m horz 0.0 m vert	40 centimeter horizontal channel sample of siderite and quartz veins. The siderite of which has been heavily oxidized to limonite and goethite
87-CR-525	L8+00E 1+50N	Float grab sample of a siderite stockwork oxidized to goethite and limonite, minor pyrite veins, lesser sparry calcite veins.
87-CR-526	L8+05E 1+50N	Float grab sample of a siderite breccia, minor (less than 15%) angular clasts of limestone, minor pyrite in clots and in veins.
87-CR-527	L8+05E 1+50N	Float grab sample of sparry calcite, some limonitic staining present.
87-CR-528	L8+12E 1+50N	Float grab sample of massive siderite (light gray in colour) partially oxidized to limonite, minor pyrite veins crosscutting siderite.
87-CR-529	L8+15E 1+50N	Float grab samples of massive siderite heavily oxidized to limonite and goethite.
87-CR-530	L7+95E 1+37N	Float grab sample of local derivation consisting of massive siderite (tan in colour).
87-CR-531	L8+00E 1+31N	Float grab sample of a limestone crosscut by veins of siderite and sparry calcite.
87-CR-532	L8+10E 1+25N	Possible outcrop, 30 centimeter channel sample of massive pyrite and pyrrhotite heavily oxidized to limonite and goethite.
87-CR-533	L8+10E 1+25N	Possible outcrop, 30 centimeter channel sample of oxide material consisting of limonite and goethite, minor pyrrhotite present siderite may of also been present.
87-CR-534	Trench 2 *7.8 horz 0.7 m vert	40 centimeter channel sample at 45° consisting of oxide material breccia, of goethite and limonite, clasts cemented by a white oxide mineral.
87-CR-535	Trench 2 *7.3 horz 0.8 m vert	45 centimeter horizontal channel sample consisting mostly of goethite and limonite with minor veins of pyrite, pyrrhotite and arsenopyrite.
87-CR-536	Trench 2 *7.0 horz 0.8 m vert	30 centimeter horizontal channel sample consisting mostly of goethite and limonite with minor veins of pyrite, pyrrhotite and arsenopyrite.

* denotes distance from start point in trench

Sample Numbers	Location	Description
87-CR-537	Trench 2 *6.5 m horz 0.7 m vert	40 centimeter horizontal channel sample consisting mostly of goethite and limonite with veins of arsenopyrite (5%) pyrrhotite (3%) and pyrite (3%), also present are fine veinlets of quartz.
87-CR-538	Trench 2 *6.3 m horz 0.6 m vert	40 centimeter horizontal channel sample consisting entirely of goethite and limonite, no sulphides visible, minor calcite in matrix.
87-CR-539	Trench 2 *5.8 m horz 0.5 m vert	40 centimeter horizontal channel sample consisting entirely of goethite and limonite no sulphides visible, minor quartz-calcite in matrix.
87-CR-540	Trench 2 *6.3 m horz 0.3 m vert	50 centimeter channel sample at 45° angle consisting of goethite and limonite with some vuggy quartz crystals, minor manganese staining.
87-CR-541	Trench 2 *4.8 m horz 0.3 m vert	50 centimeter horizontal channel sample consisting of an oxide breccia composed of goethite and limonite cemented by vuggy quartz and calcite.
87-CR-542	Trench 2 *4.8 m horz 0.2 m vert	50 centimeter horizontal channel sample, same as C-541.
87-CR-543	Trench 2 *4.0 m horz 0.5 m vert	50 centimeter horizontal channel sample same as C-541.
87-CR-544	Trench 2 *3.5 m horz 0.6 m vert	25 centimeter channel sample of a large boulder within trench consisting of veins of arsenopyrite (10%), galena (2%), pyrite (10%) and quartz (20%), remainder of rock is compoed of goethite and limonite.
87-CR-545	Trench 2 *3.3 m horz 0.8 m vert	25 centimeter horizontal channel sample consisting of veins of quartz (25%), pyrite (10%), galena (1%), arsenopyrite (1%) and pyrrhotite (1%), remainder of sample is composed of goethite and limonite.
87-CR-546	Trench 2 *3.3 m horz 1.0 m vert	30 centimeter horizontal channel sample consisting of limonitic soil and decomposing rock, from areas immediately overlying sample C-545.
87-CR-547	Trench 2 *2.8 m horz 0.8 m vert	40 centimeter horizontal channel sample consisting of veins and clots of pyrite (7%), galena (1%) and pyrrhotite (2%) set in a matrix of goethite and limonite, sample heavily oxidized.

* denotes distance from start point in trench

Sample Numbers	Location	Description
87-CR-548 Figure 10	L9+75E 0+30N	Grab sample from outcrop of highly oxidized material consisting of goethite and limonite, minor veins of pyrite 3%, pyrrhotite (5%), adn quartz (5%).
87-CR-549 Figure 10	L9+75E 0+30N	Grab sample from outcrop consisting entirely of goethite and limonite, minor quartz veins.
87-CR-550 Figure 10	L9+75E 0+30N	Grab samples from outcrop consisting of veins of arsenopyrite (20%), pyrite (10%) and pyrrhotite (5%), with the remainder goethite and limonite.
87-CR-551 Figure 10	L9+75E 0+30N	Grab sample from outcrop of massive quartz containing arsenopyrite (15%), pyrite (20%) and possibly siderite.
87-DR-39	L35+50E 1+00N	Float grab sample of massive siderite containing minor disseminated pyrite.
87-DR-39A	L35+50E 1+00N	Float grab sample of massive siderite containing minor disseminated pyrite.
87-DR-40	L37+00E 2+80N	Chip sample taken over 1.0 meter of gossan area.
87-DR-42	L35+00E 3+75N	Chip sample over 75 centimeter taken of a massive pyrite zone now largely oxidized to limonite, host rock is a gray dolomite.
87-DR-53	L26+80E 6+60N	Grab sample of local float consistng of massive siderite with lefsser pyrite and pyrrhotite.
87-DR-58	L3+60E 5+00N	Float grab sample of massive siderite with minor pyrite veins.
87-DR-68A	L6+00E 2+00N	Float grab sample of siderite with lesser pyrrhotite, minor pyrite and galena hosted by quartz vein.
87-DR-74	L1+00E 6+00S	Float grab samples of massive siderite from a gopher hole.
87-DR-81	L1+00W 6+75N	Grab sample of local float consisting of disseminated and veined pyrite hosted by limestone.
87-DR-83	L2+00W 7+10N	Grab sample of float consisting of limestone with minor euhedral pyrite grains.
87-MR-104	L38+20E 2+50N	Float grab sample of quartz vein material containing a minor amount of malachite staining.

Sample Numbers	Location	Description
87-MR-105	L38+20E 2+50N	Float grab samples of limestone containing 2-3% disseminated euhedral pyrite grains.
87-MR-106	L39+00E 4+00N	Outcrop grab sample of massive siderite containing 5-7% pyrite as euhedral disseminated grains.
87-MR-107	L39+00E 3+25N	Outcrop grab sample of massive siderite containing 5-7% pyrite in the form of coarse veins. Minor quartz veins are also present.
87-MR-108	L36+00E 8+50N	Outcrop grab sample of massive siderite containing 10-15% large euhedral pyrite cubes.
87-MR-108A	L36+00E 8+50N	Outcrop grab sample of massive siderite containing 10-15% pyrite in the form of large euhedral pyrite cubes, also a minor amount of chalcopyrite is present.
87-MR-109	L28+20E 3+25N	Float grab sample of a 15 meter diameter boulder consisting of veins of siderite (20%) and pyrite (10%).
87-MR-110	L28+30E 1+15N	Outcrop grab sample of limestone containing veins of pyrite (30%), and calcite (20%).
87-MR-112	L14+00E 0+50N	Grab sample from a large outcrop consisting of massive siderite (pale gray) with minor veinlets of pyrite (1%).
87-MR-117	L10+00E 0+50N	Outcrop grab sample of massive pyrite and arsenopyrite, altered partially to limonite.
87-MR-117A	L10+00E 0+35N	Float grab sample of massive pyrite and minor arsenopyrite, partially altered to limonite.
87-MR-118	L12+50E 0+25N	Float grab sample of limestone containing minor veins of siderite and pyrite (3%).
87-MR-119	L12+50E 0+25N	Float grab sample of massive siderite containing minor veins of pyrite (2%), siderite partially altered to limonite and goethite.
87-MR-120	L11+50E 0+85S	Float grab sample of massive pyrrhotite (45%), galena (2%), and pyrite (5%).

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APPENDIX B

ASSAY DATA FOR ROCK SAMPLES

092103

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716

DATE RECEIVED: DEC 22 1987
DATE REPORT MAILED: Jan. 12, 1988.

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AG** BY FIRE ASSAY FROM 1/2 A.T.
AU** BY FIRE ASSAY FROM 1/2 A.T.

ASSAYER: ..... DEAN TOYE, CERTIFIED B.C. ASSAYER

BRIAN V. HALL File # 87-3797R

SAMPLE#	AG** oz/t	AS %	AU** oz/t
87-BR 442 A	-	26.50	-
87-BR 442 B	-	23.80	-
87-BR 562	-	23.50	.152
87-BR 600 B	2.27	-	.003
87-BR 632	-	-	.024
87-BR 657 D	-	-	.038

092103

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6
PHONE(604)253-3158 FAX(604)253-1716 DATE RECEIVED: DEC 22 1987
DATE REPORT MAILED: Jan. 11/88.

ASSAY CERTIFICATE

- SAMPLE TYPE: Pulp AG** BY FIRE ASSAY FROM 1/2 A.T.
AU** BY FIRE ASSAY FROM 1/2 A.T.

ASSAYER: D. Toye DEAN TOYE, CERTIFIED B.C. ASSAYER

BRIAN V. HALL File # 87-5100R

SAMPLE#	AG** oz/t	AS %	AU** oz/t
87 CR 532	-	-	.042
87 CR 544	1.78	1.57	.028
87 CR 548	-	-	.031
87 CR 549	-	-	.040
87 CR 551	-	13.78	.296

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SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
87-BR 400	139	57	112	.7	30.59	11	4	3	2	1	6
87-BR 402S A	8	8	51	.4	8.20	4	2	7	2	1	1
87-BR 402S B	5	8	10	.4	4.19	2	1	6	2	1	1
87-BR 419	66	127	99	.1	37.86	169	3	2	17	1	8
87-BR 420A	5	119	17	.1	1.24	5	1	4	2	1	1
87-BR 420B	26	10	105	.2	8.35	37	1	7	2	1	2
87-BR 422	53	5	30	.3	24.55	60	1	5	2	1	7
87-BR 424	29	2	1	.1	.60	11	1	5	2	1	1
87-BR 427 A	13	2	7	.1	7.11	50	1	3	2	1	2
87-BR 427 B	155	11	18	.3	16.49	747	1	10	2	1	17
87-BR 427 C	620	10	26	.5	24.14	2369	1	10	2	1	26
87-BR 427 D	780	15	41	1.0	31.92	1135	2	7	2	1	11
87-BR 427 E	79	10	24	.4	15.44	225	1	12	2	1	13
87-BR 427 F	58	5	12	.2	6.83	376	1	5	2	1	21
87-BR 427 G	589	17	35	.9	28.97	5760	1	22	2	3	109
87-BR 427 H	29	15	15	.1	4.92	424	1	4	2	1	3
87-BR 427 I	15	5	7	.3	5.72	101	1	8	2	1	1
87-BR 427 J	54	13	15	.3	10.65	151	1	7	2	1	1
87-BR 427 K	105	9	31	.3	18.97	244	1	7	2	1	3
87-BR 427 L	16	8	8	.5	8.92	30	1	3	2	1	1
87-BR 428	166	2	1	.2	.94	28	1	2	2	1	1
87-BR 429	167	13	56	.7	33.55	95	1	4	2	1	1
87-BR 431	386	36	72	3.3	27.53	680	3	145	6	1	390
87-BR 442 A	162	11	15	.5	27.44	247800 ✓	2	125	64	48	430
87-BR 442 B	671	21	20	.7	31.02	214000 ✓	1	59	81	31	78
87-BR 443	95	10	8	.1	3.25	5393	2	8	2	2	4
87-BR 446 A	14479	2	100	36.8	5.00	5567	4	7	4	1	43
87-BR 446 B	229	6	31	.9	37.44	228	1	2	2	1	1
87-BR 449	77	9	24	.8	33.56	70	2	4	2	3	1
87-BR 453	533	18963	90	165.3	54.56	444	9	140	2	4	29
87-BR 456 A	41	11	32	.2	23.21	1289	1	6	2	1	61
87-BR 456 B	57	1270	25	4.8	23.00	49	1	8	2	1	1
87-BR 456 C	11	8	1	.1	2.32	1103	1	7	2	2	93
87-BR 472	54	533	1	2.1	2.56	206	1	3	2	1	28
87-BR 473	139	14	38	.7	48.78	733	4	2	2	6	1
87-BR 476	319	32	37	.6	40.85	8	3	2	2	2	1
STD C/AU-R	62	38	131	7.1	3.93	41	19	15	21	14	490

✓ re analysis from 10x dilution.

092103

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
87-BR-487	27	17	48	.1	36.56	39	2	2	2	1	9
87-BR 499	960	44	8903	.1	50.98	27	34	2	2	15	1
87-BR 506	10	2	21	.1	6.60	13	1	2	2	2	4
87-BR 511	37	12	179	.1	32.06	83	1	2	2	1	17
87-BR 512	1840	203	40	5.9	18.12	691	1	10	11	1	10
87-BR 515	27	18	45	.1	13.06	54	1	2	2	2	1
87-BR 517	566	34	31	.3	20.41	105	2	2	2	1	1
87-BR 522	9	10	181	.1	8.59	26	1	5	2	1	3
87-BR 534	28	32	13	.3	13.25	18	1	20	2	3	7
87-BR 536	359	38	15200	.1	49.10	101	24	74	2	7	1
87-BR 541	99	63	81	.1	19.64	69	1	9	2	1	6
87-BR 542	22	19	216	.1	23.24	61	1	2	2	1	38
87-BR 546	10	8	6	.1	1.33	7	1	2	2	5	1
87-BR 551	10609	39	99	17.7	4.65	931	3	27	2	1	14
87-BR 555	9	14	34	.3	36.83	8	1	2	2	1	1
87-BR 562	389	533	739	7.4	27.39	172100 ✓	19	410	2	46	5890
87-BR 582	53	25	48	.1	55.87	883	4	2	11	1	30
87-BR 599 A	582	10	14	.6	.81	1770	3	5	2	2	1
87-BR 599 B	30	9	8	.1	6.07	31	1	11	2	3	1
87-BR 600	2241	12	17	.7	1.60	156	3	6	2	1	4
87-BR 600 B	18055	7	106	78.4	9.30	101	2	8	2	1	150
87-BR 604	41	14	39	.1	22.84	13	1	2	2	1	1
87-BR 605	117	16	44	.7	49.15	8	2	2	2	1	1
87-BR 607	42	18	48	.2	49.85	8	1	2	2	1	19
87-BR 608	41	24	43	.1	49.00	3	2	2	2	1	1
87-BR 609	42	21	50	.2	49.32	12	2	2	2	1	8
87-BR 610	39	16	39	.3	46.39	14	2	2	2	1	1
87-BR 611	40	18	47	.1	48.24	10	1	2	2	1	1
87-BR 612	51	14	43	.1	50.90	13	1	2	2	1	1
87-BR 613	139	11	56	.1	51.49	23	2	2	5	1	6
87-BR 614	58	24	48	.3	49.53	48	5	2	2	1	31
87-BR 615	40	12	54	.1	49.61	8	2	2	2	1	17
87-BR 616	54	27	50	.1	49.53	7	1	2	2	1	1
87-BR 617	74	27	59	.1	53.98	13	3	2	11	1	1
87-BR 618	138	22	53	.9	47.29	49	1	2	2	1	2
87-BR 619	75	17	54	.4	47.71	13	1	2	2	1	1
STD C/AU-R	61	35	131	6.9	3.94	41	19	17	19	13	515

09210

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
87-BR- 631	178	26	107	2.0	42.56	822	1	31	2	1	150
87-BR- 632	212	86	66	.9	57.84	611	4	12	23	1	950
87-BR- 634	45	17	50	.7	37.78	41	1	5	2	1	10
87-BR- 635	339	209	41	1.9	43.14	53	1	11	2	1	8
87-BR- 636	171	37	62	.6	54.52	94	1	2	8	1	9
87-BR- 641	131	29	61	.6	51.86	90	2	3	6	1	29
87-BR- 656	76	25	56	.1	54.83	5	3	2	14	1	1
87-BR- 657 A	325	254	30	2.7	42.85	33	1	2	2	1	17
87-BR- 657 C	111	22	37	1.0	20.44	153	5	5	2	1	11
87-BR- 657 D	239	230	28	9.0	25.23	6375	4	143	20	13	1495
87-BR- 657 F	73	29	51	.1	52.02	117	1	2	3	1	44
87-BR- 660	213	53	88	.1	50.34	670	1	8	10	1	52
87-BR- 661	29	17	23	.4	6.41	30	3	2	2	1	1
87-BR- 662	63	14	39	.3	24.52	57	1	6	2	1	1
87-BR- 663	37	32	15	.5	6.41	13	2	2	2	1	1
87-BR- 664	6198	19	399	.1	53.19	8268	1	77	34	1	9
87-BR- 665	226	108	36	.6	7.10	340	1	2	2	1	1
87-BR- 666	278	32	59	.1	48.53	333	1	10	4	1	1
87-BR- 671	54	176	104	2.8	46.82	570	1	2	2	1	1
87-BR- 673	61	32	129	1.3	54.41	62	4	4	23	1	1
87-BR- 674	45	65	115	1.7	51.55	22	2	2	19	1	1
87-BR- 675	44	24	111	1.0	53.56	36	2	2	23	1	1
87-BR- 676	50	34	115	1.4	48.84	11	1	2	4	1	1
87-BR- 677	81	47	148	1.2	52.31	9	2	2	13	1	1
87-BR- 683	166	103	66	1.5	56.68	417	5	21	29	1	265
87-CR- 217	48	11038	1456	18.5	5.05	1843	11	28	2	5	365
87-CR- 222	93	93	133	.6	19.45	54	3	4	2	1	9
87-CR- 229	7	79	85	.7	1.81	16	1	5	2	1	2
87-CR- 230	99	20	115	.4	17.23	36	3	111	2	1	18
87-CR- 246	523	11	32	.7	14.68	54	4	2	2	1	1
87-CR- 247	9	4	3	.1	1.09	20	1	2	2	1	1
87-CR- 248	2486	4	27	6.9	1.94	109	2	4	2	1	43
87-CR- 255	18	8	23	.6	8.49	35	2	4	2	1	10
87-CR- 258	143	23	29	.8	38.33	2	1	2	2	1	1
87-CR- 266	14	37	41	.3	7.87	2	1	2	2	1	1
87-CR- 276	1722	10	16	.8	3.23	62	3	2	2	1	6
STD C/AU-R	64	40	132	7.1	4.24	41	20	16	22	12	510

092103

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
87-CR-277	1261	15	18	1.0	1.42	43	1	2	2	1	1
87-CR-280	31	15	36	1.0	20.74	77	1	2	2	1	14
87-CR-283	138	40	411	.6	1.99	9	2	2	2	1	1
87-CR-285	623	113	58	1.9	33.69	727	1	6	2	1	1
87-CR-286	108	22	58	1.2	20.79	136	1	3	2	1	1
87-CR-287	527	50	61	.8	47.26	766	1	3	2	1	1
87-CR-288	610	67	62	.9	52.89	2541	1	4	2	1	1
87-CR-294	231	25	65	.1	47.88	414	1	2	2	1	26
87-CR-294 A	97	29	56	.2	41.67	284	1	2	2	1	2
87-CR-295	40	16	42	.6	30.84	39	1	2	2	1	1
87-CR-296	43	20	47	.3	44.08	28	1	2	2	1	1
87-CR-297	22	8	45	.9	22.24	14	1	2	2	1	1
87-CR-299	24	4	124	.5	30.69	2	1	2	2	1	1
87-CR-299 A	26	16	60	1.0	23.77	24	1	2	2	1	1
87-CR-302	1529	27	54	1.5	50.62	140	1	4	4	1	1
87-CR-302 A	289	25	59	.1	51.16	25	1	2	2	1	1
87-CR-307	384	16813	42	112.4	46.85	10	1	104	19	1	6
87-CR-308	381	14947	36	156.6	43.79	11	1	149	34	1	24
87-CR-309	425	14898	33	270.4	41.29	11	1	289	24	1	3
87-CR-310	232	15507	53	160.5	50.86	4	1	157	2	1	280
87-CR-313	472	734	55	3.1	35.62	7	1	2	2	1	1
87-CR-319	88	555	42	1.9	41.14	13	1	2	2	1	1
87-CS-261	44	298	85	1.4	3.95	29	1	2	2	1	1
87-CS-301	50	2110	151	5.6	4.37	29	1	5	2	1	1
87-DR-39	320	94	19	.9	31.79	2	1	92	99	42	210
87-DR-39 A	826	141	21	1.2	34.11	2	1	103	67	29	1
87-DR-40	22	46	24	.8	10.04	3860	1	2	2	1	8
87-DR-42	229	46	36	1.6	21.36	5321	1	10	8	1	20
87-DR-43	624	41	32	1.4	30.52	2955	1	9	8	1	7
87-DR-53	108	38	53	.2	43.73	168	1	2	2	1	1
87-DR-58	197	50	34	.2	43.18	412	1	9	14	1	16
87-DR-68 A	130	47	29	.9	25.70	456	1	3	11	1	65
87-DR-74	83	160	153	.4	51.98	86	1	2	10	1	2
87-DR-75	32	15	207	.5	12.09	53	1	2	6	1	3
87-DR-76	47	47	980	.1	3.89	110	5	2	2	16	1
87-DR-77	20	26	21	.3	3.66	56	1	2	2	1	1
STD C/AU-R	64	38	135	7.7	4.22	42	20	18	22	13	510

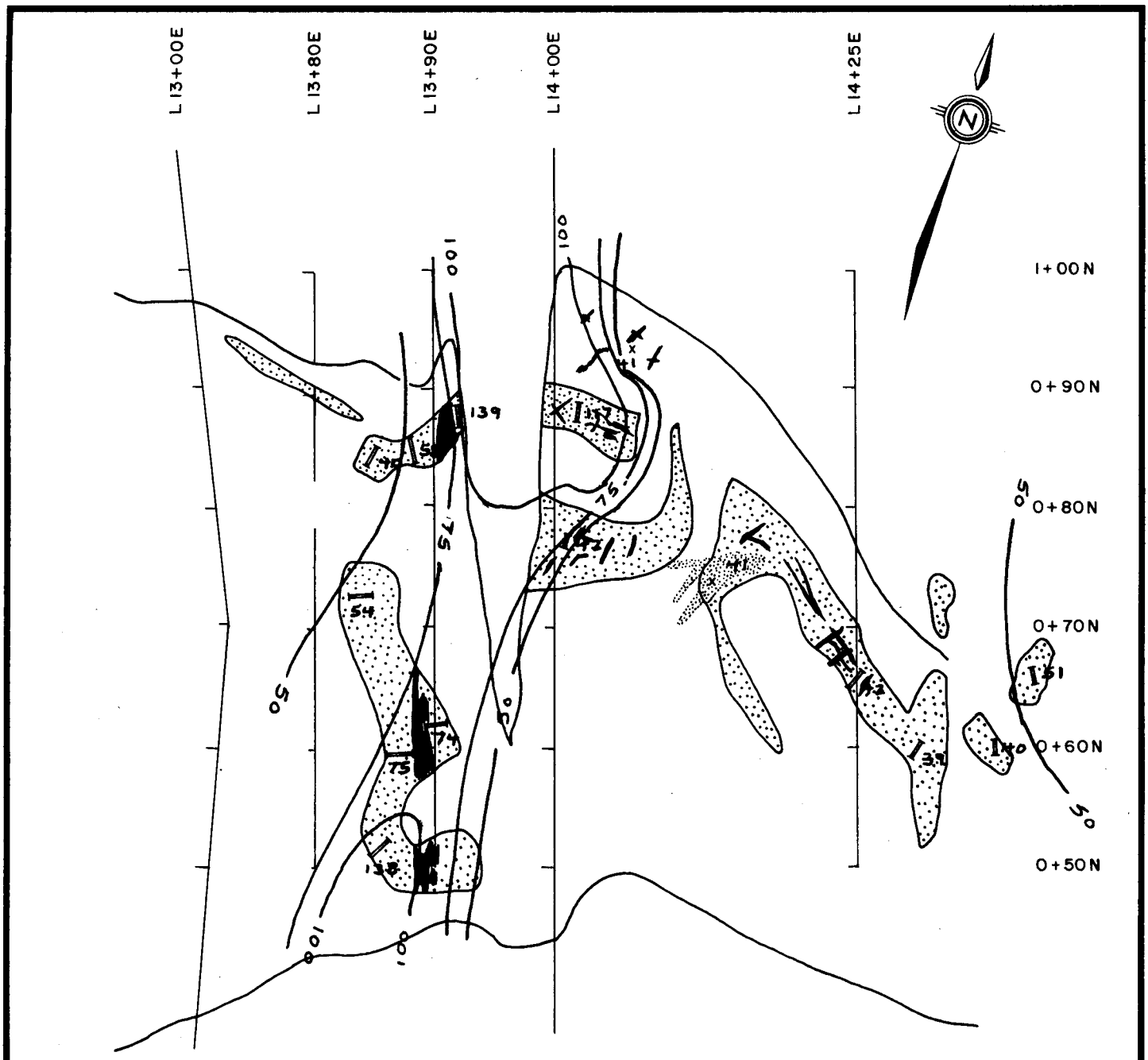
0212

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
87 DR-78	17	17	12	.3	5.18	15	1	2	2	1	1
87 DR-79	34	26	48	.2	3.91	18	1	2	2	1	1
87 DR-80	149	14	55	.3	32.03	22	1	7	2	1	1
87 DR-81	2528	10	19	9.4	3.96	271	1	16	2	1	37
87 DR-83	18	12	56	.1	6.36	82	1	3	2	1	2
87 MR-104	1991	5	22	14.3	1.95	172	1	7	2	1	146
87 MR-105	41	2	42	.2	9.58	13	1	5	2	1	1
87 MR-106	282	5	26	.8	21.16	53	1	7	2	1	7
87 MR-107	47	13	26	.3	26.73	6	1	7	2	1	1
87 MR-108	64	79	34	.5	21.78	3307	1	10	7	1	5
87 MR-108 A	399	19	23	.3	25.41	508	1	2	2	1	1
87 MR-109	131	69	31	.7	21.03	144	1	23	10	4	13
87 MR-110	58	53	20	.8	24.00	40	1	28	2	1	8
87 MR-112	88	25	54	.1	52.08	15	6	2	2	1	1
87 MR-117	252	17581	32	170.8	39.42	1164	3	196	5	1	560
87 MR-117 A	120	675	29	3.4	35.06	135	1	7	7	1	440
87 MR-118	42	8330	172	19.6	10.36	134	1	39	2	3	36
87 MR-119	102	100	55	.1	46.27	35	4	2	2	1	39
87 MR-120	545	18045	24	196.8	39.50	5	4	227	2	1	172
STD C/AU-R	60	39	131	7.1	3.98	41	17	17	21	13	490

082103

APPENDIX C

RIDLEY SHOWING ROCK GEOCHEMISTRY
(Figures 9b-l)



GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.
WATSON LAKE M.D. NTS: 105 F/8

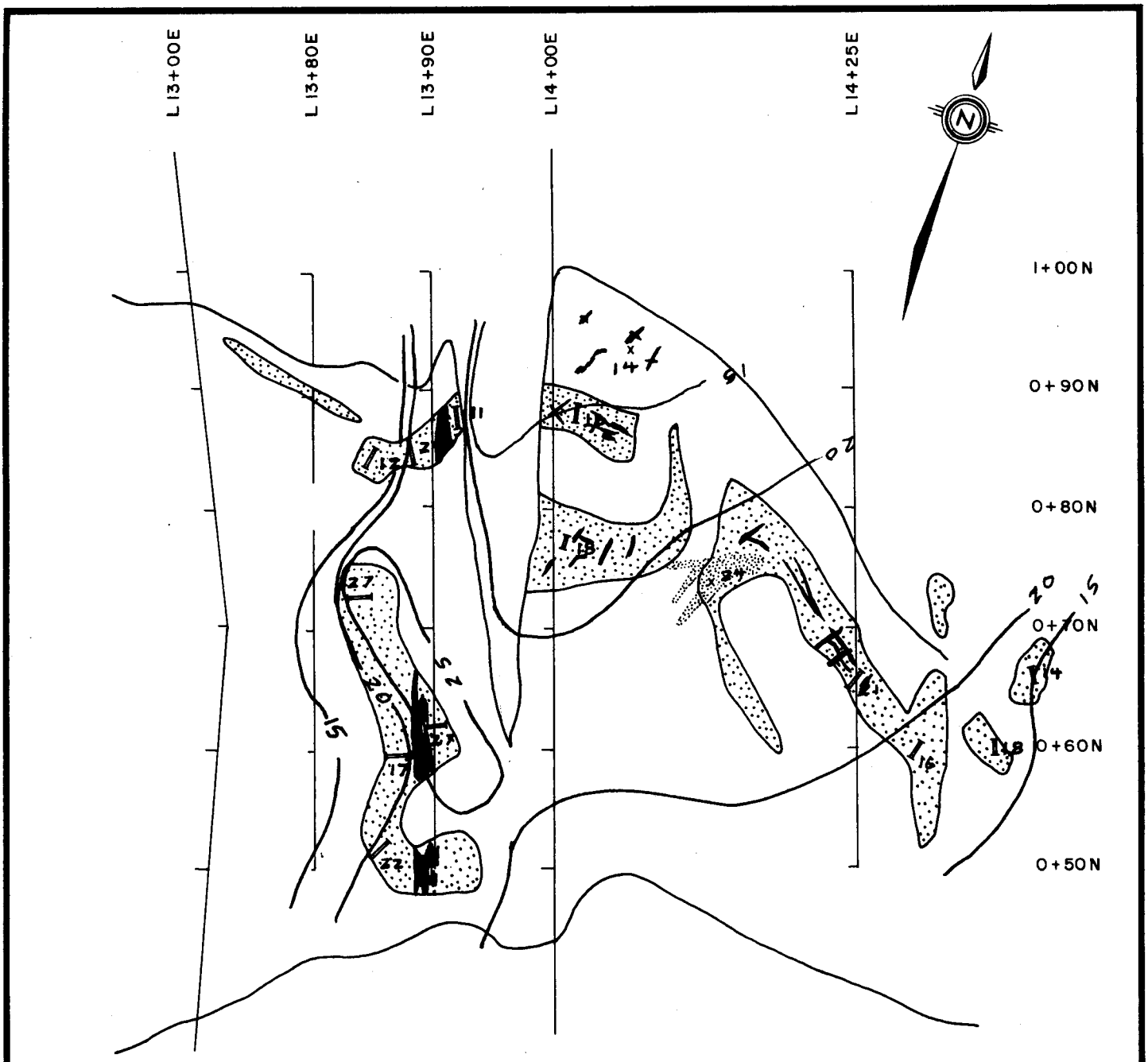
RIDLEY SHOWING

GEOCHEMISTRY
Cu RESULTS in p.p.m.

BY: B.V.H.
DATE: DECEMBER, 1987

FIGURE: 9b

092103



GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.
WATSON LAKE M.D. NTS: 105 F/8

RIDLEY SHOWING

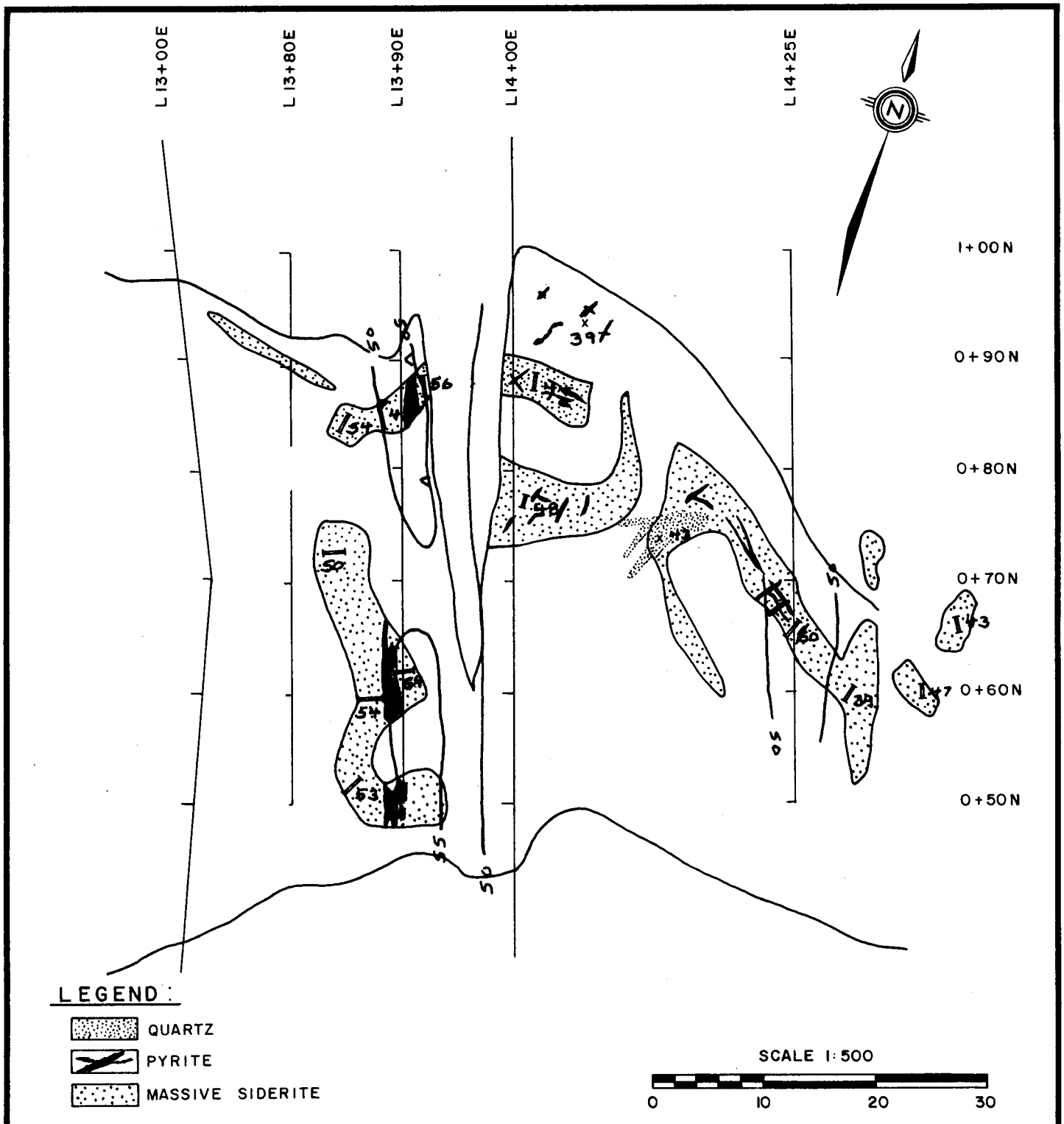
GEOCHEMISTRY

Pb RESULTS in p.p.m.

BY: B.V.H.
DATE: DECEMBER, 1987

FIGURE: 9c

092103



GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.
WATSON LAKE M.D. NTS: 105 F/8

RIDLEY SHOWING

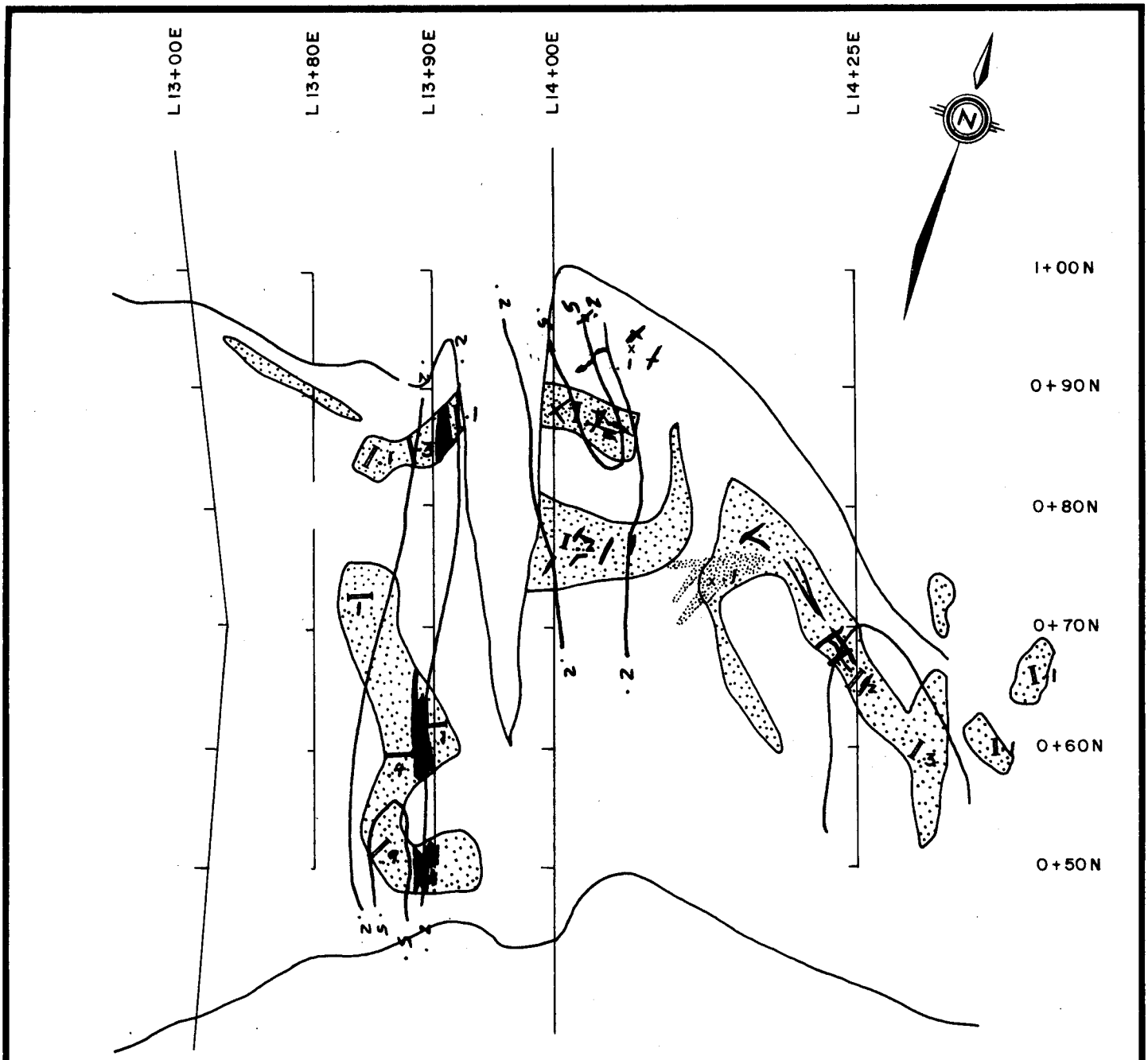
GEOCHEMISTRY

Zn RESULTS in p.p.m.

BY: B.V.H.
DATE: DECEMBER, 1987

FIGURE: 9d

092103



LEGEND:

- QUARTZ
- PYRITE
- MASSIVE SIDERITE

SCALE 1:500

0 10 20 30

- CHANNEL SAMPLE
- x GRAB SAMPLE

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.
WATSON LAKE M.D. NTS: 105 F/8

RIDLEY SHOWING

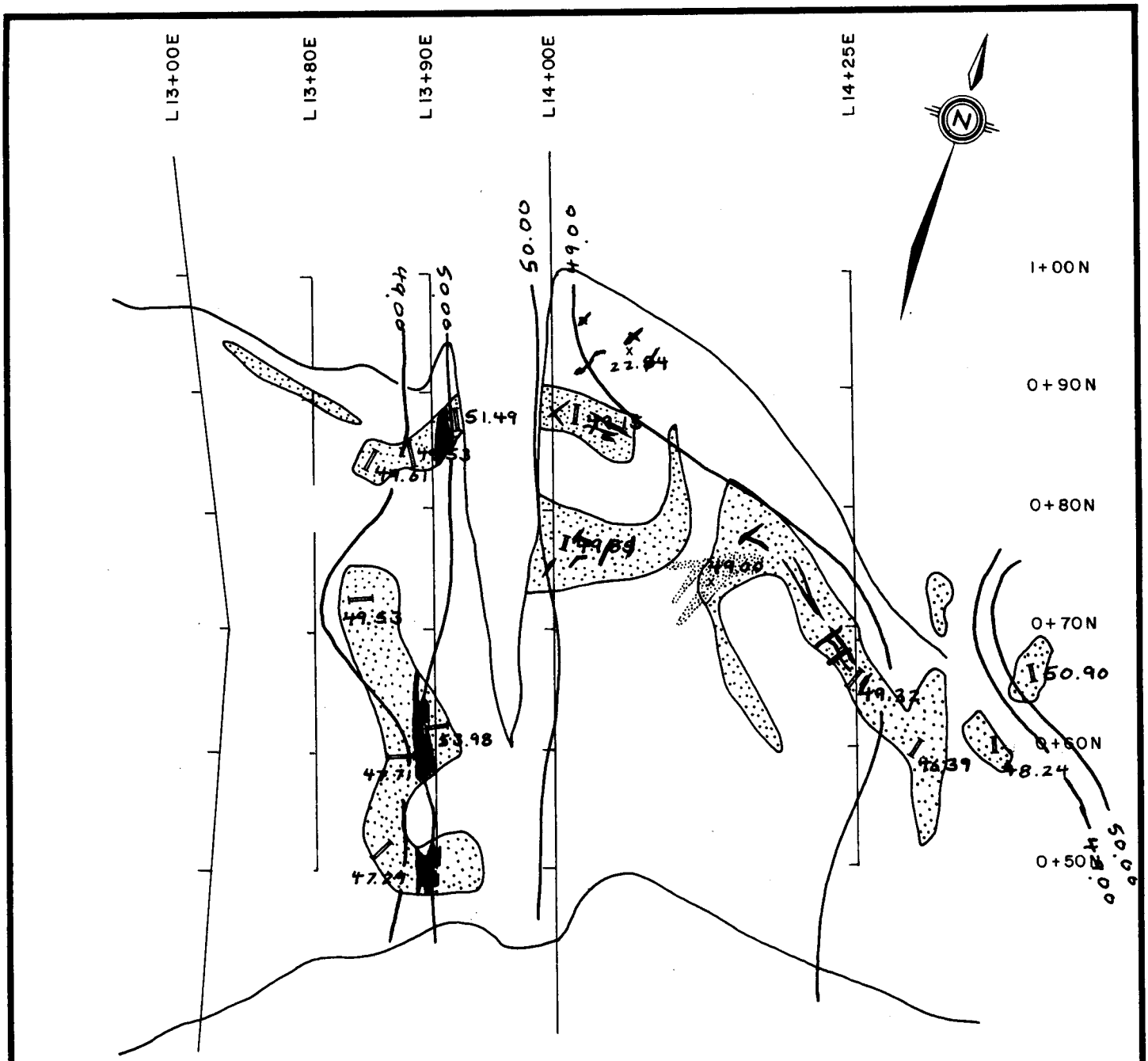
GEOCHEMISTRY

Ag RESULTS in p.p.m.

BY: B.V.H.
DATE: DECEMBER, 1987

FIGURE: 9e

092103



LEGEND:

- QUARTZ
- PYRITE
- MASSIVE SIDERITE

SCALE 1:500

0 10 20 30

— CHANNEL SAMPLE

x GRAB SAMPLE

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.
WATSON LAKE M.D. NTS: 105 F/8

RIDLEY SHOWING

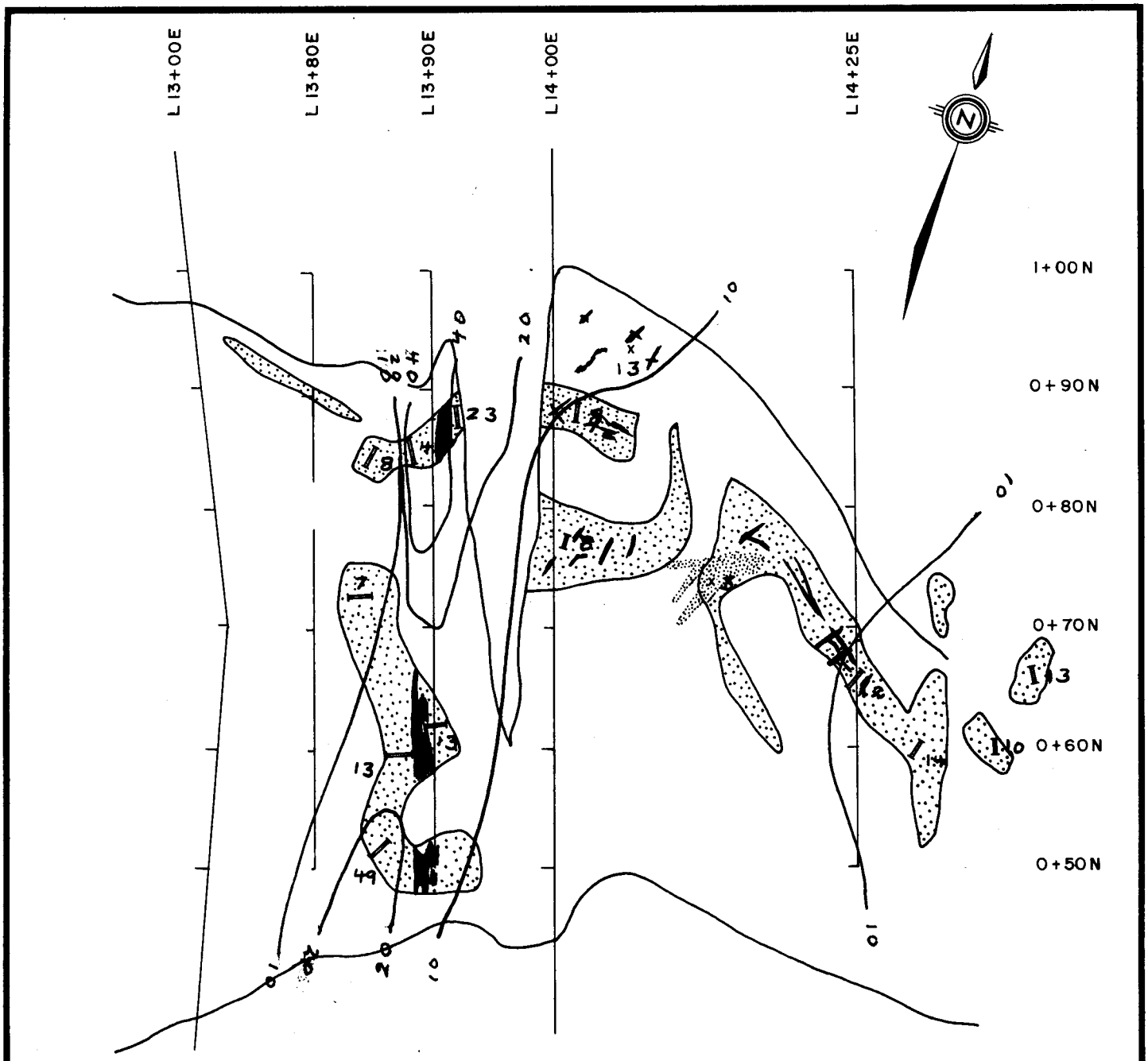
GEOCHEMISTRY

Fe RESULTS in wt %

BY: B.V.H.
DATE: DECEMBER, 1987

FIGURE: 9f

092103



GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.
WATSON LAKE M.D. NTS: 105 F/8

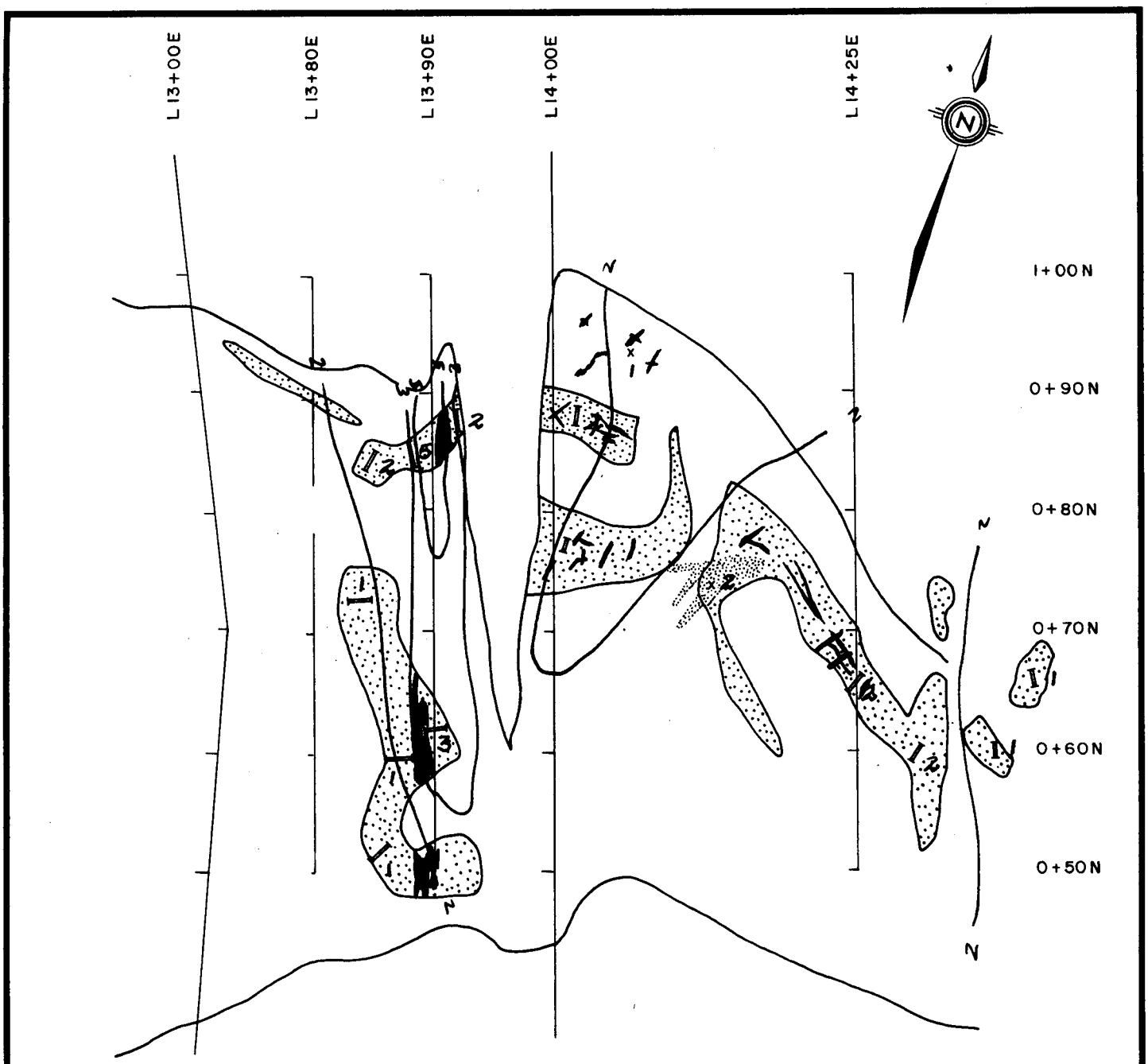
RIDLEY SHOWING

GEOCHEMISTRY
As RESULTS in p.p.m.

BY: B.V.H.
DATE: DECEMBER, 1987

FIGURE: 9g

092103



LEGEND:

- QUARTZ
- PYRITE
- MASSIVE SIDERITE

SCALE 1:500

0 10 20 30

— CHANNEL SAMPLE

x GRAB SAMPLE

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.
WATSON LAKE M.D. NTS: 105 F/8

RIDLEY SHOWING

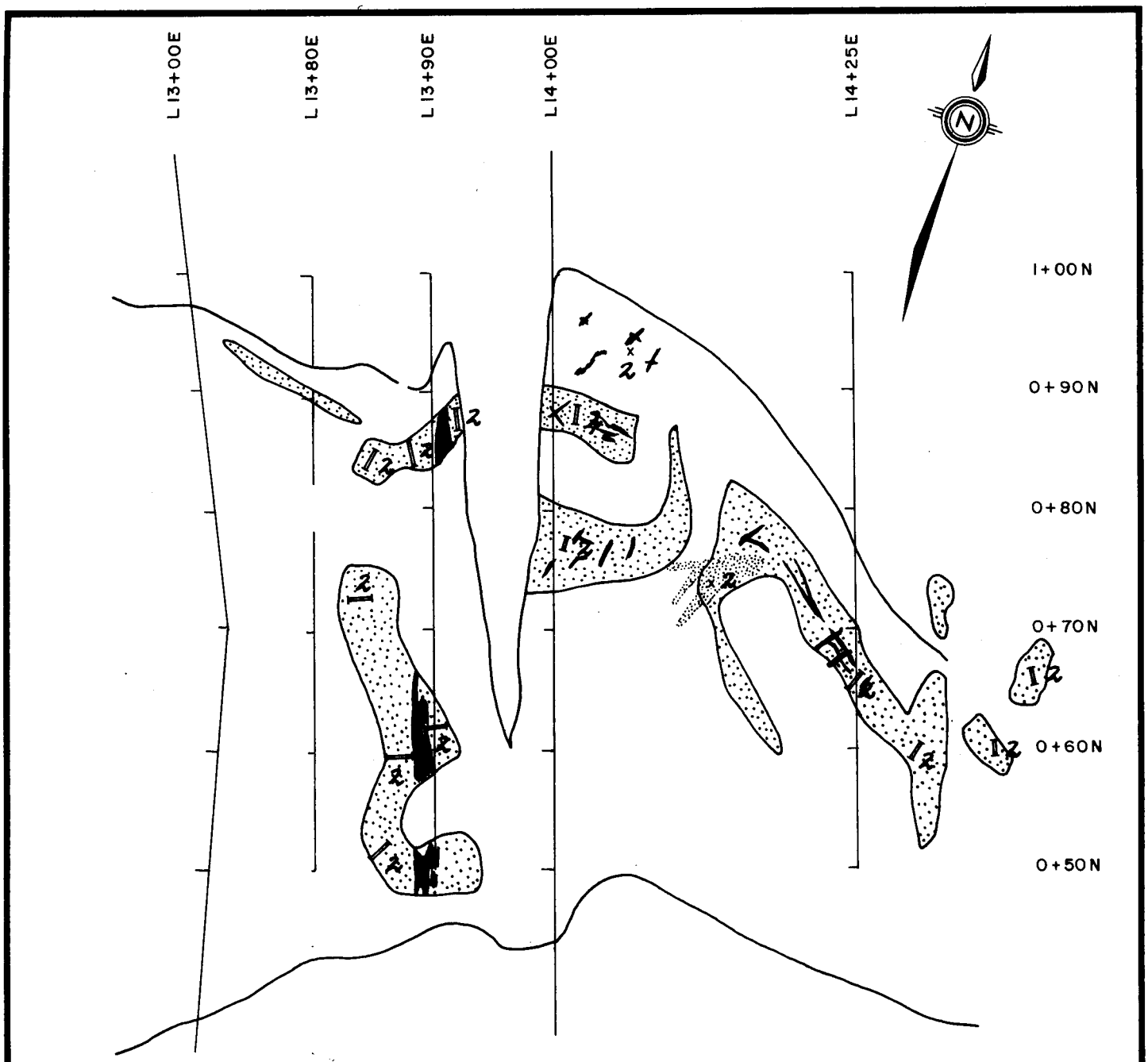
GEOCHEMISTRY

Cd RESULTS in p.p.m.

BY: B.V.H.
DATE: DECEMBER, 1987

FIGURE: 9h

092103



LEGEND:

- QUARTZ
- PYRITE
- MASSIVE SIDERITE

SCALE 1:500

0 10 20 30

— CHANNEL SAMPLE

x GRAB SAMPLE

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.
WATSON LAKE M.D. NTS: 105 F/8

RIDLEY SHOWING

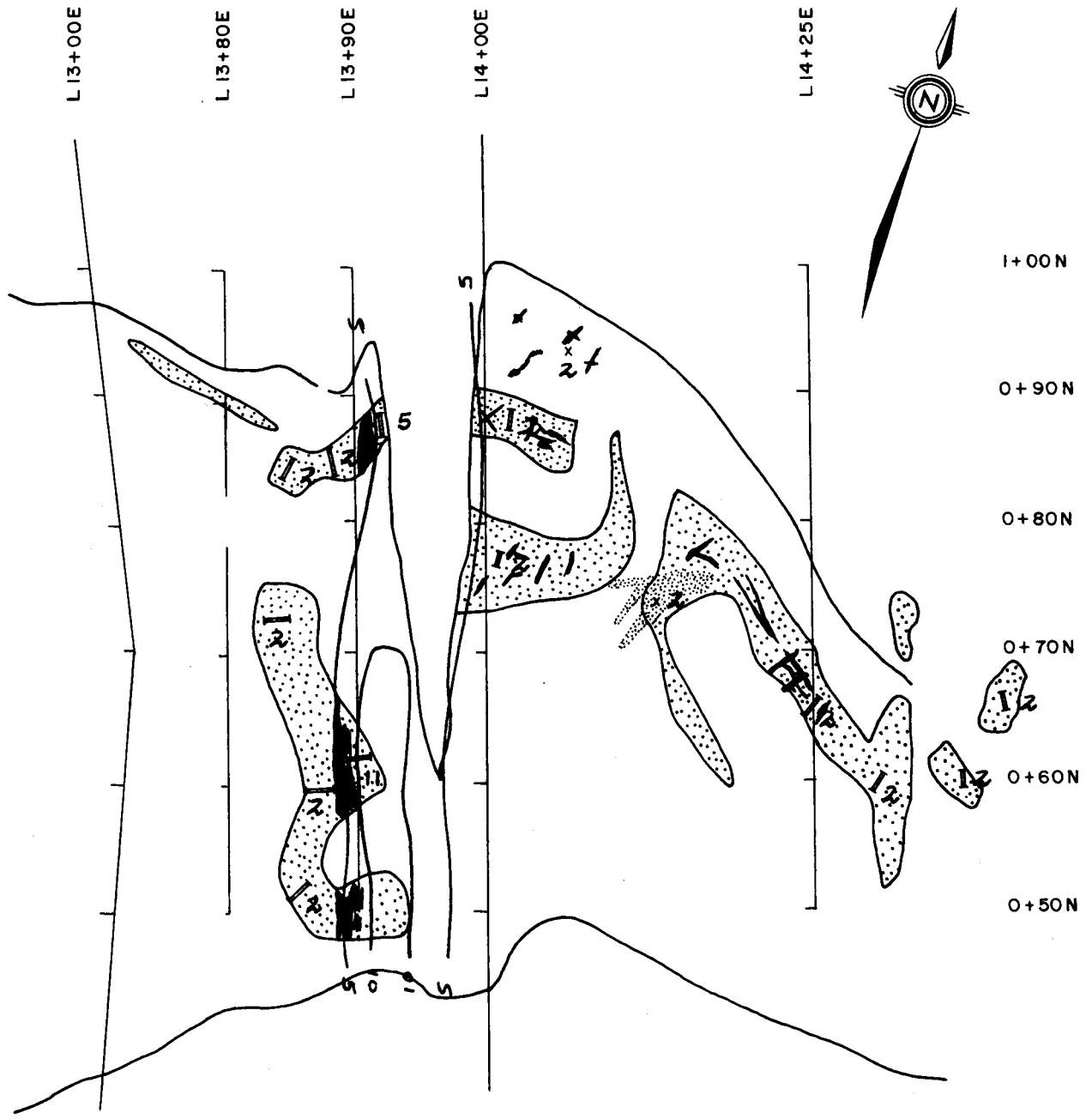
GEOCHEMISTRY

Sb RESULTS in p.p.m.

BY: B.V.H.
DATE: DECEMBER, 1987

FIGURE: 9i

092103



LEGEND:

- QUARTZ
- PYRITE
- MASSIVE SIDERITE

SCALE 1:500

0 10 20 30

— CHANNEL SAMPLE

x GRAB SAMPLE

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.
WATSON LAKE M.D. NTS: 105 F/8

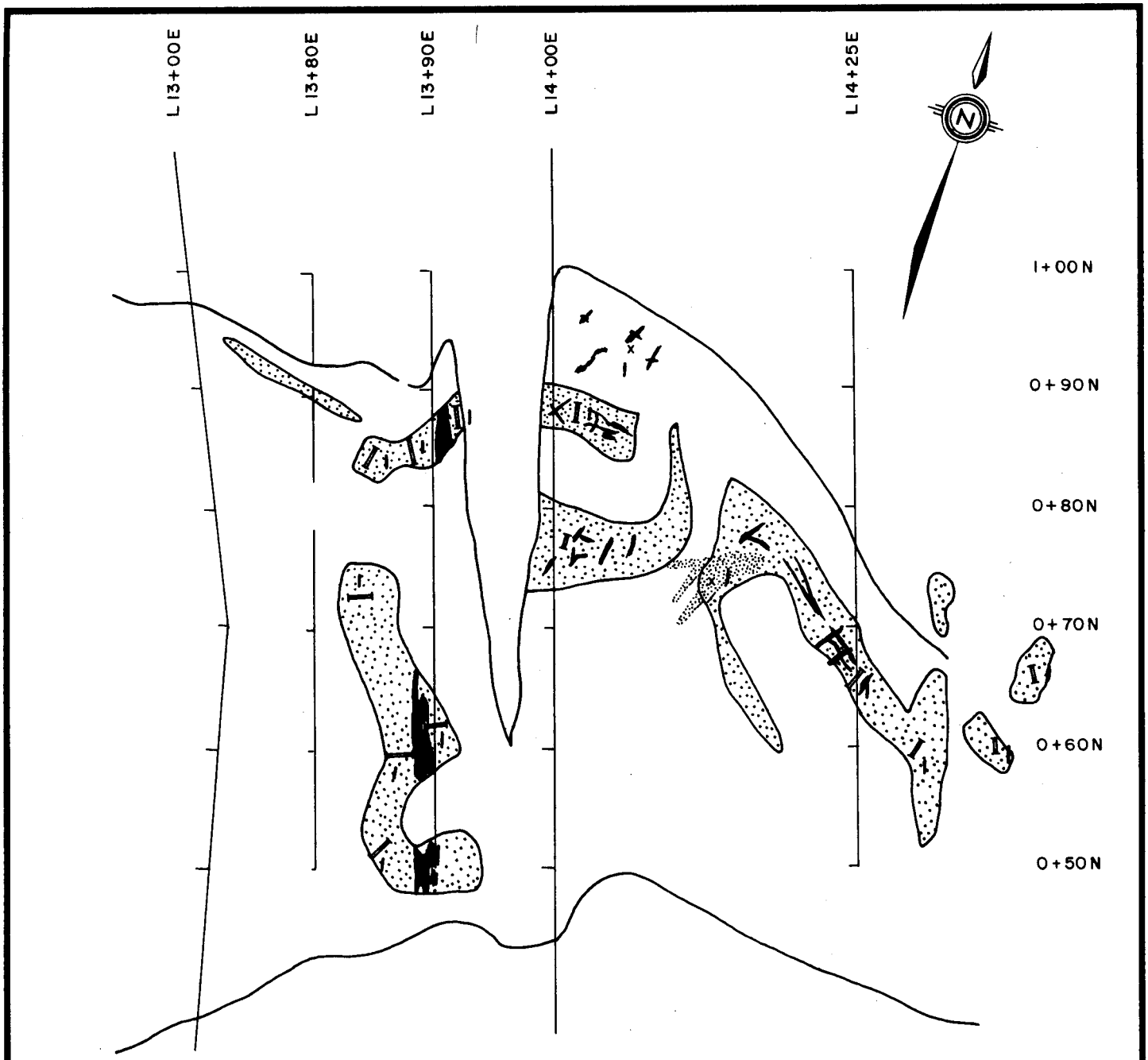
RIDLEY SHOWING

GEOCHEMISTRY
Bi RESULTS in p.p.m.

BY: B.V.H.
DATE: DECEMBER, 1987

FIGURE: 9j

D 22103



LEGEND:

- QUARTZ
- PYRITE
- MASSIVE SIDERITE

SCALE 1:500

0 10 20 30

— CHANNEL SAMPLE

x GRAB SAMPLE

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.
WATSON LAKE M.D. NTS: 105 F/8

RIDLEY SHOWING

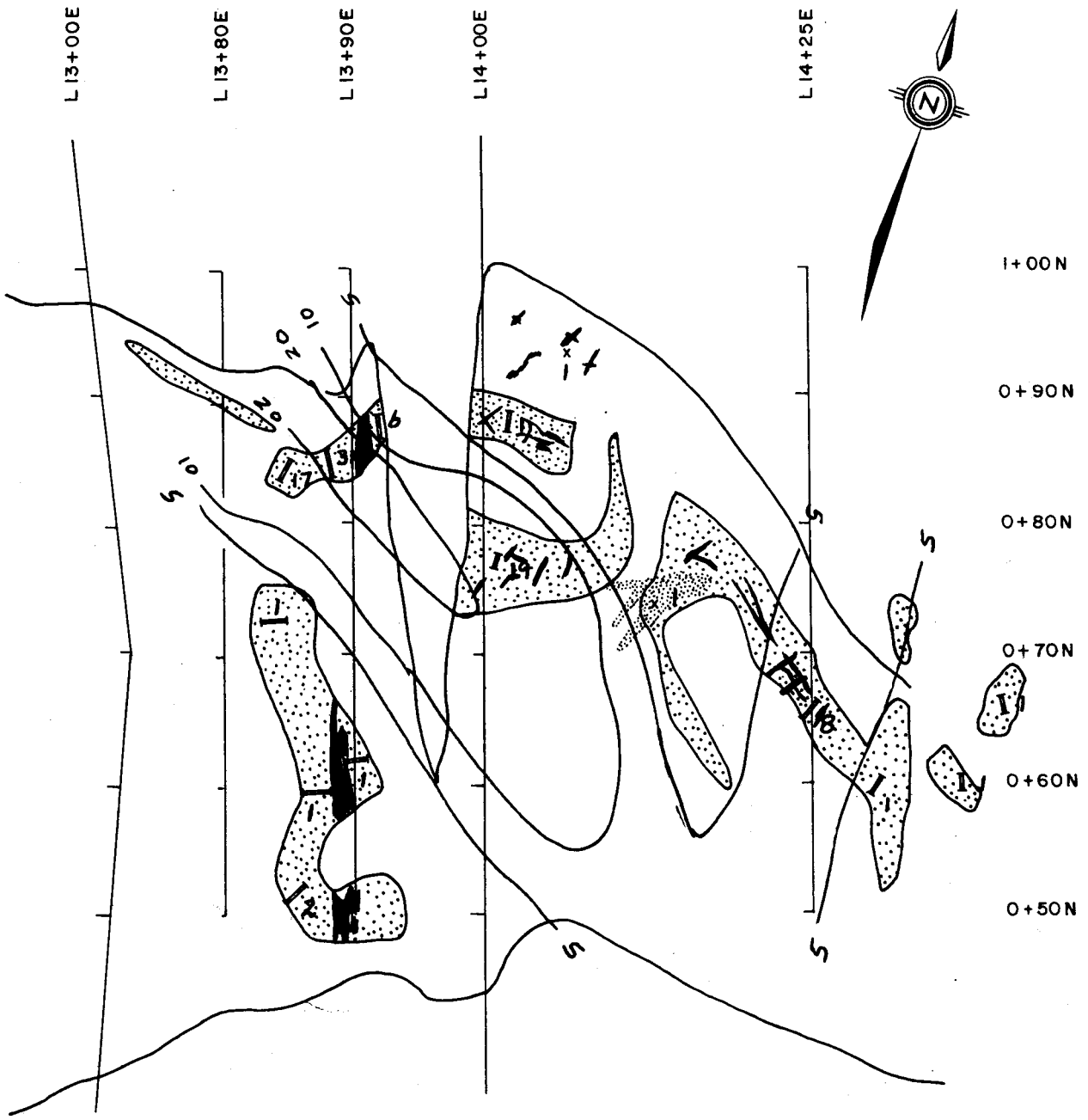
GEOCHEMISTRY

W RESULTS in p.p.m.

BY: B.V.H.
DATE: DECEMBER, 1987

FIGURE: 9k

092103



LEGEND:

- QUARTZ
- PYRITE
- MASSIVE SIDERITE

SCALE 1:500

0 10 20 30

— CHANNEL SAMPLE

x GRAB SAMPLE

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.
WATSON LAKE M.D. NTS: 105 F/8

RIDLEY SHOWING

GEOCHEMISTRY

Au RESULTS in p.p.b.

BY: B.V.H.
DATE: DECEMBER, 1987

FIGURE: 11

092103

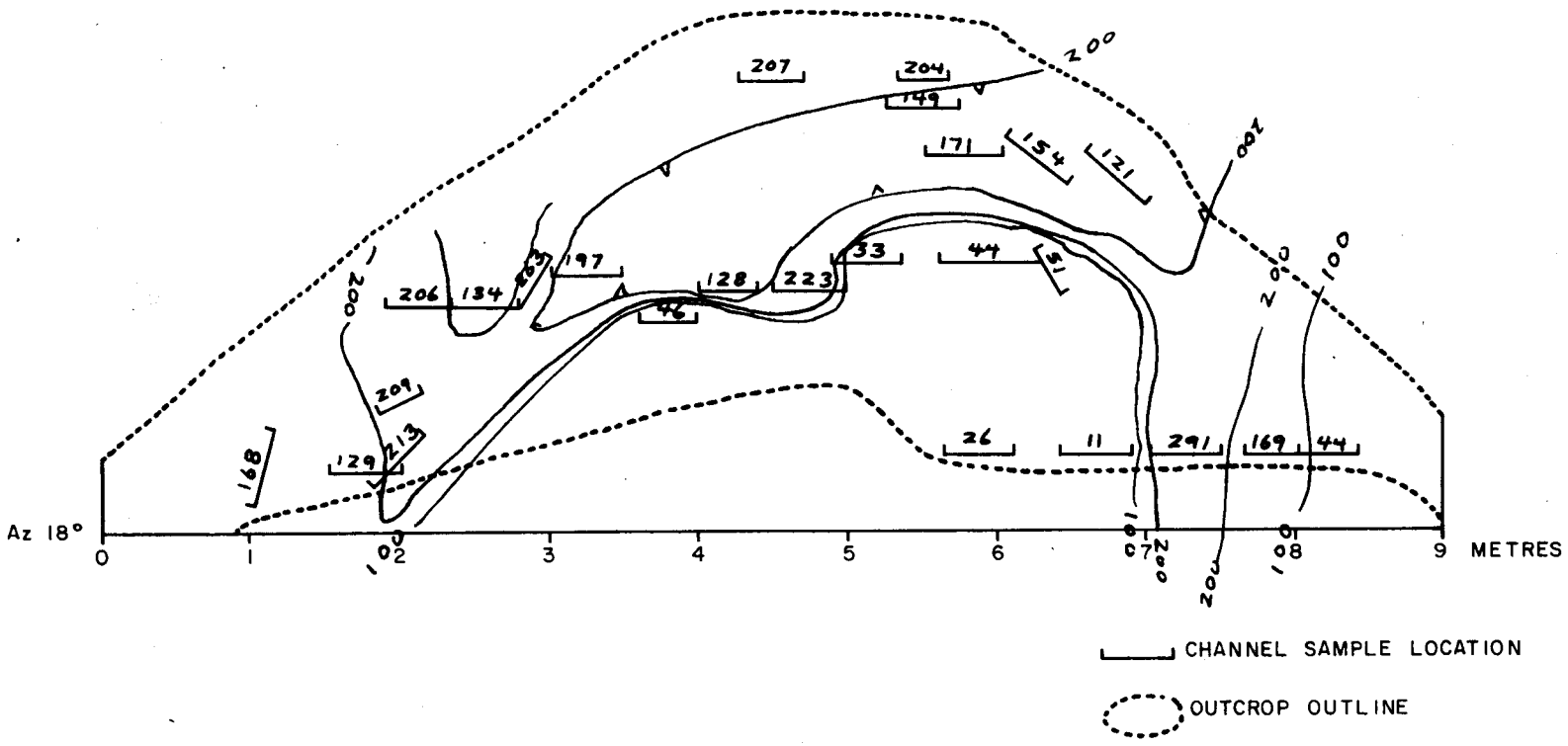
APPENDIX D

TRENCH 87-1 ROCK GEOCHEMISTRY

(Figures 10b-l)

NE

SW



SCALE 1:50

0 0.5 1.0 2.0 3.0 4.0 metres

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.
WATSON LAKE M.D. NTS: 105 F/8

TRENCH 87-1

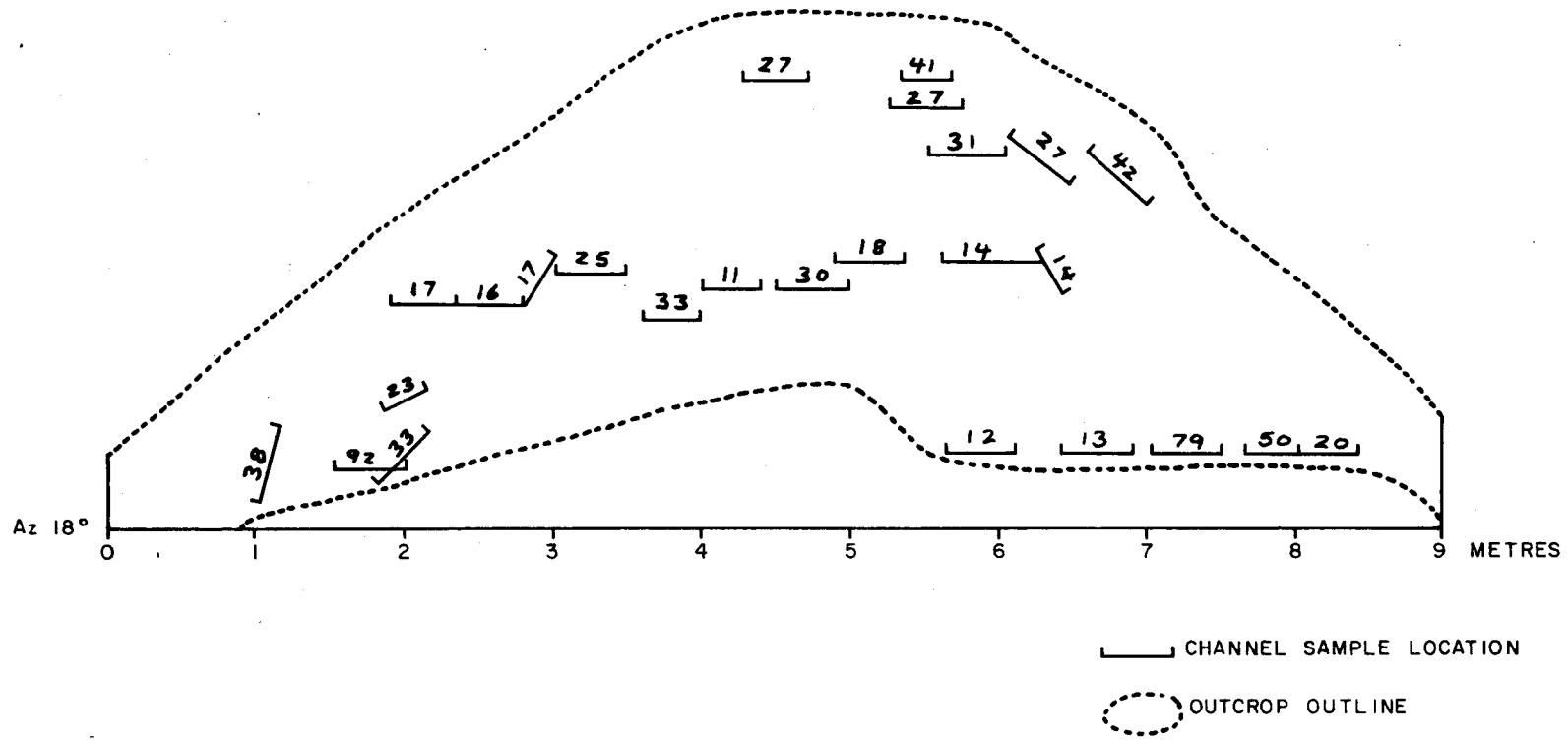
GEOCHEMISTRY

Cu RESULTS in p.p.m.

BY: B.V.H.
DATE: DECEMBER, 1987

FIGURE: 11b

092103



092103

SCALE 1:50

0 0.5 1.0 2.0 3.0 4.0 metres

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.

WATSON LAKE M.D. NTS: 105 F/8

TRENCH 87-1

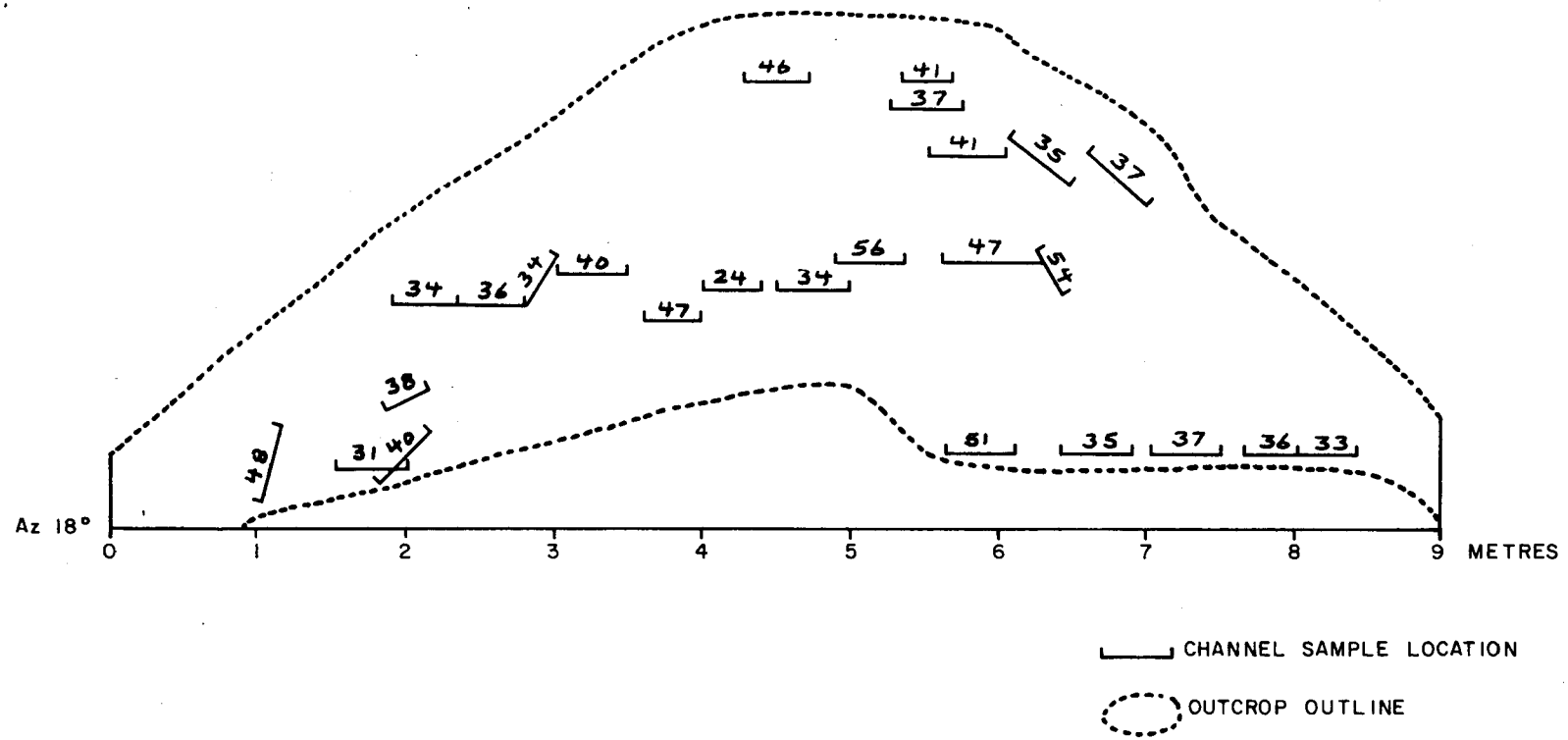
GEOCHEMISTRY

Pb RESULTS in p.p.m.

BY: B.V.H.

DATE: DECEMBER, 1987

FIGURE: 11c



SCALE 1:50

0 0.5 1.0 2.0 3.0 4.0 metres

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.
WATSON LAKE M.D. NTS: 105 F/8

TRENCH 87-1

GEOCHEMISTRY

Zn RESULTS in p.p.m.

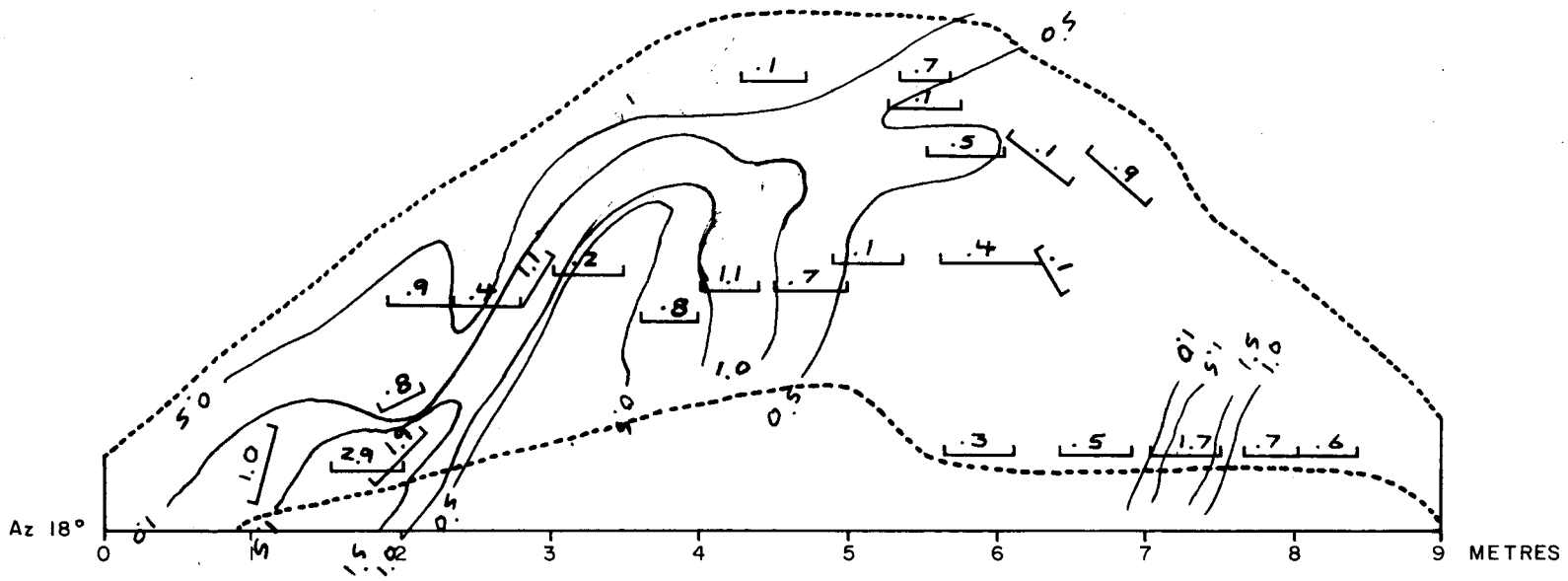
BY: B.V.H.
DATE: DECEMBER, 1987

FIGURE: 11d

092103

NE

SW



CHANNEL SAMPLE LOCATION

OUTCROP OUTLINE

SCALE 1:50

0 0.5 1.0 2.0 3.0 4.0 metres

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.
WATSON LAKE M.D. NTS: 105 F/8

TRENCH 87-1

GEOCHEMISTRY

Ag RESULTS in p.p.m.

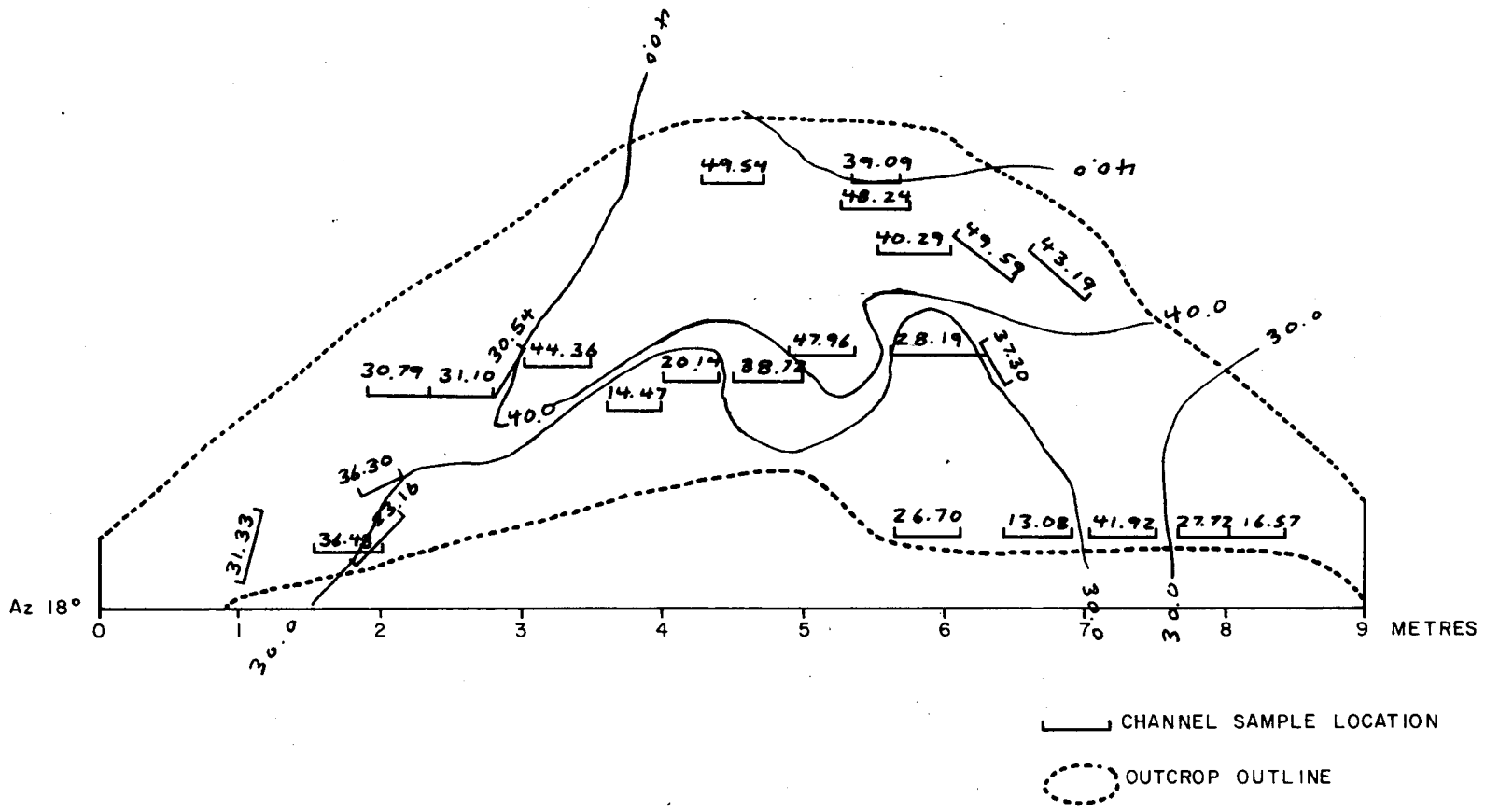
BY: B.V.H.
DATE: DECEMBER, 1987

FIGURE: IIe

092103

NE

SW



CHANNEL SAMPLE LOCATION

OUTCROP OUTLINE

SCALE 1:50

0 0.5 1.0 2.0 3.0 4.0 metres

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.

WATSON LAKE M.D. NTS: 105 F/8

TRENCH 87-1

GEOCHEMISTRY

Fe RESULTS in wt.%

BY: B.V.H.

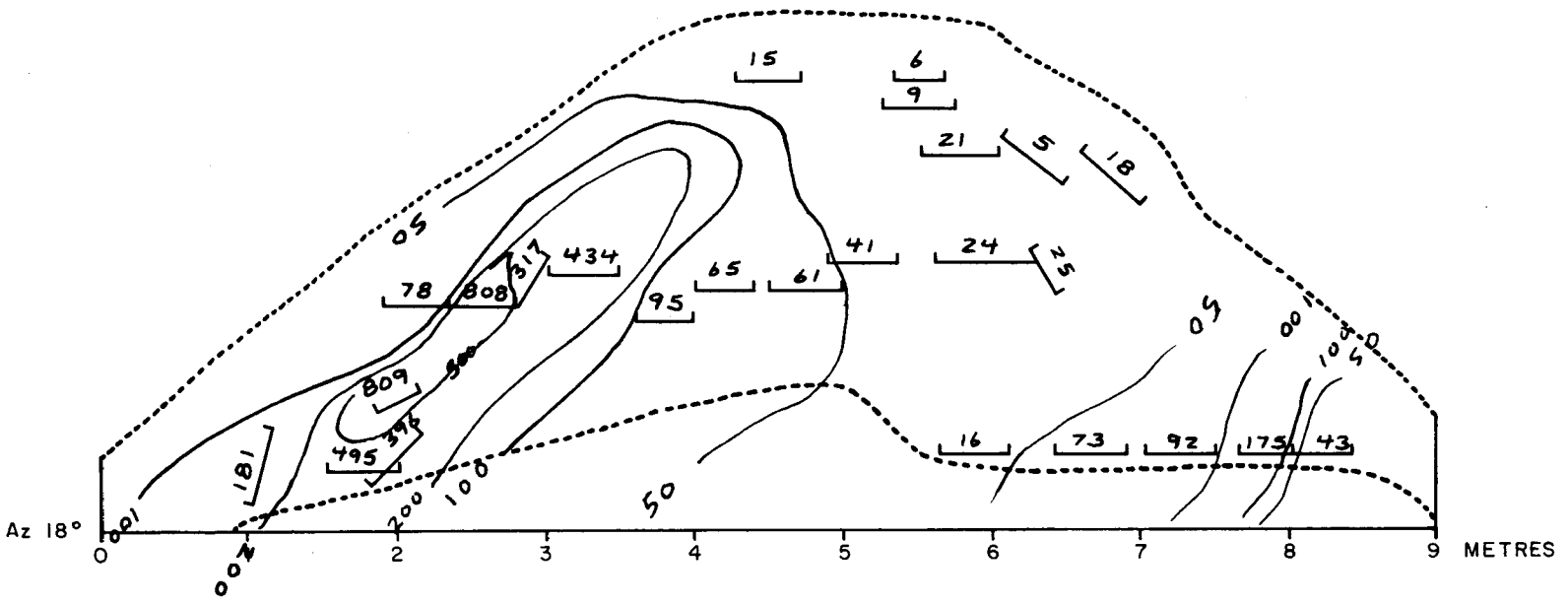
DATE: DECEMBER, 1987

FIGURE: 11 f

002103

NE

SW



CHANNEL SAMPLE LOCATION

OUTCROP OUTLINE

SCALE 1:50

0 0.5 1.0 2.0 3.0 4.0 metres

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.
WATSON LAKE M.D. NTS: 105 F/8

TRENCH 87-1

GEOCHEMISTRY

As RESULTS in p.p.m.

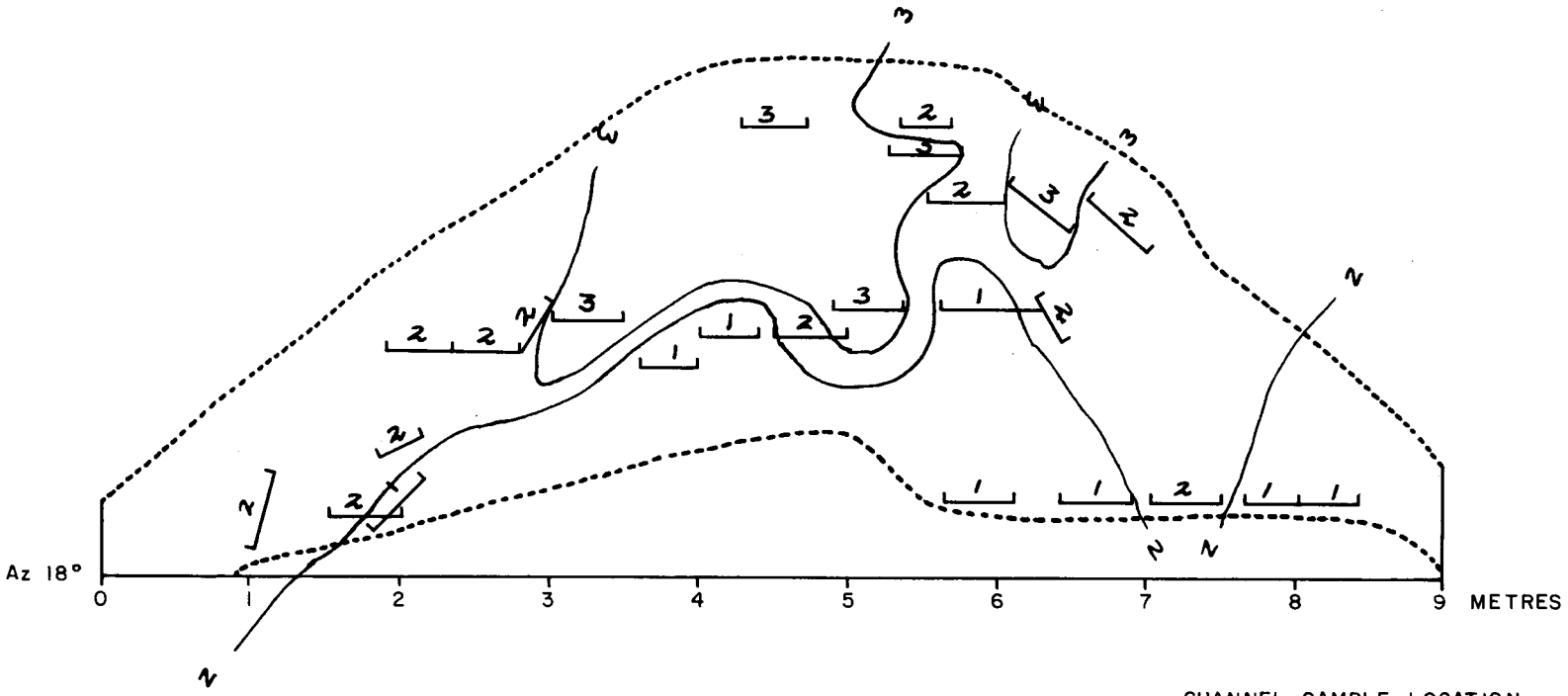
BY: B.V.H.
DATE: DECEMBER, 1987

FIGURE: 11g

092103

NE

SW



CHANNEL SAMPLE LOCATION

OUTCROP OUTLINE

092103

SCALE 1:50

0 0.5 1.0 2.0 3.0 4.0 metres

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.
WATSON LAKE M.D. NTS: 105 F/8

TRENCH 87-1

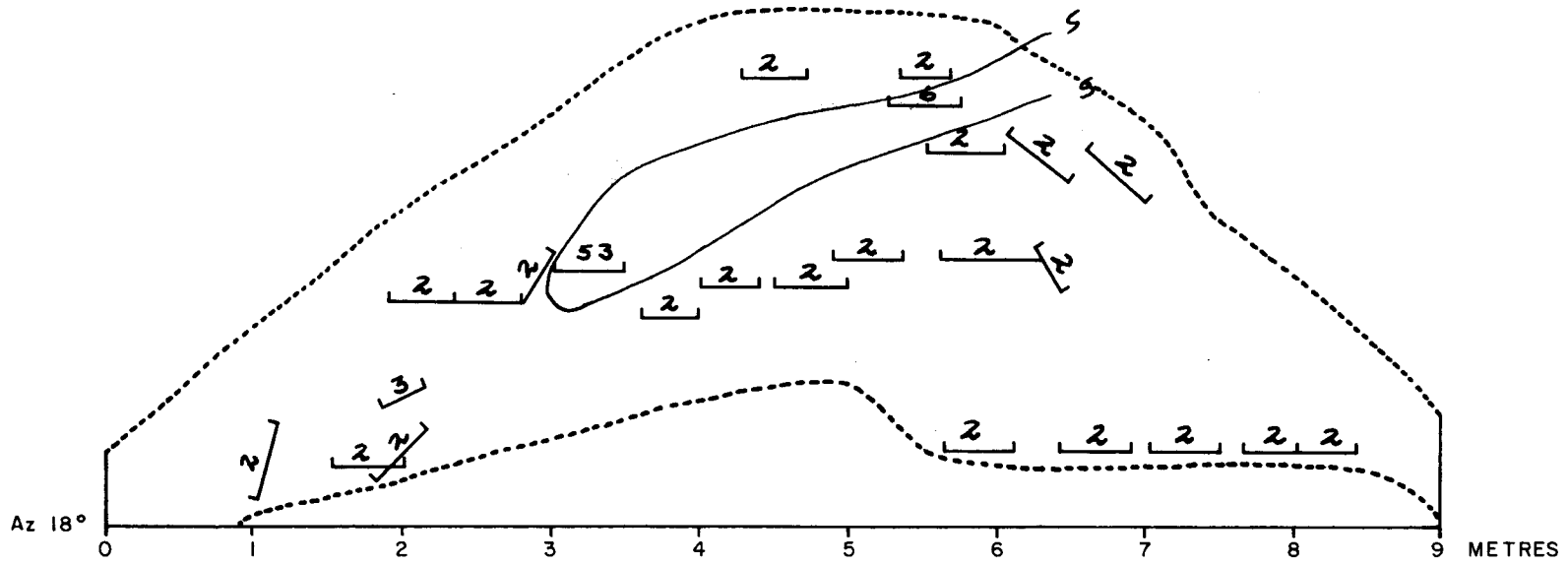
GEOCHEMISTRY
Cd RESULTS in p.p.m.

BY: B.V.H.
DATE: DECEMBER, 1987

FIGURE: 11h

NE

SW



SCALE 1:50

0 0.5 1.0 2.0 3.0 4.0 metres

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.
WATSON LAKE M.D. NTS: 105 F/8

TRENCH 87-1

GEOCHEMISTRY

Sb RESULTS in p.p.m.

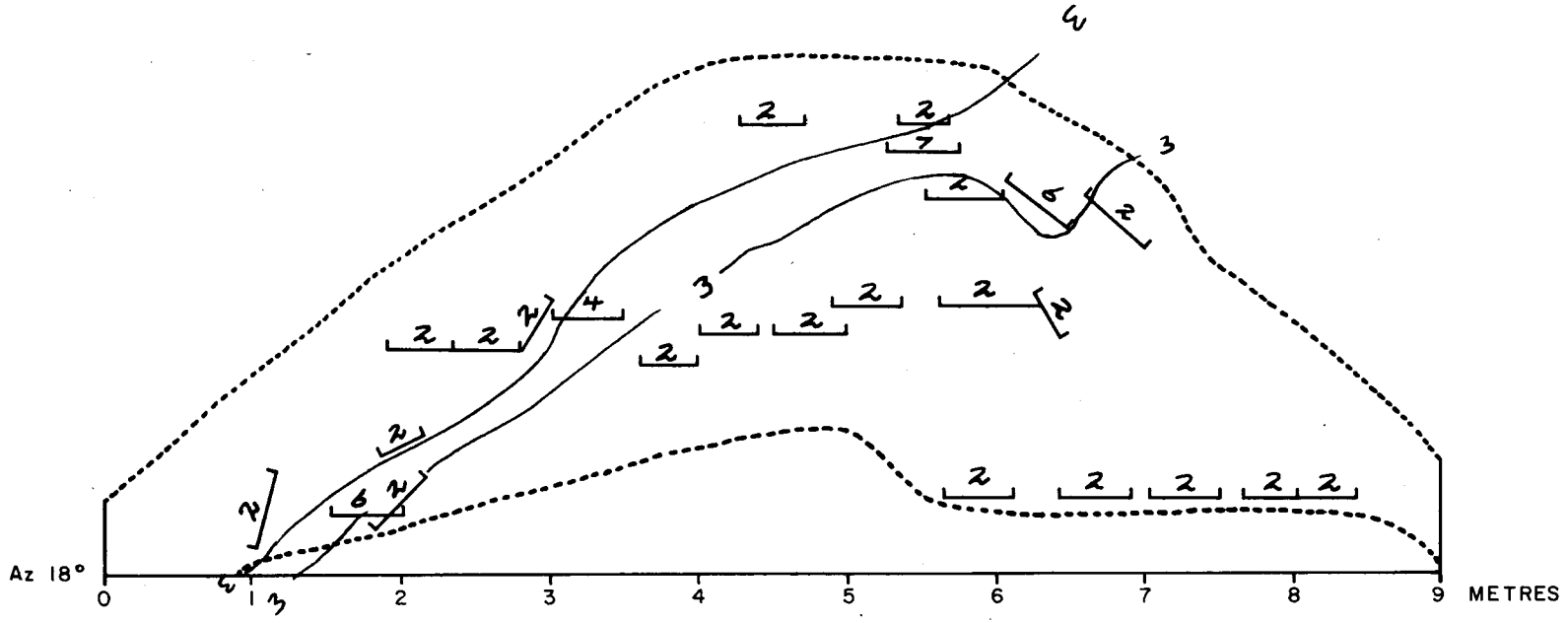
BY: B.V.H.
DATE: DECEMBER, 1987

FIGURE: 11i

092103

NE

SW



CHANNEL SAMPLE LOCATION

OUTCROP OUTLINE

092103

SCALE 1:50

0 0.5 1.0 2.0 3.0 4.0 metres

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.

WATSON LAKE M.D. NTS: 105 F/8

TRENCH 87-1

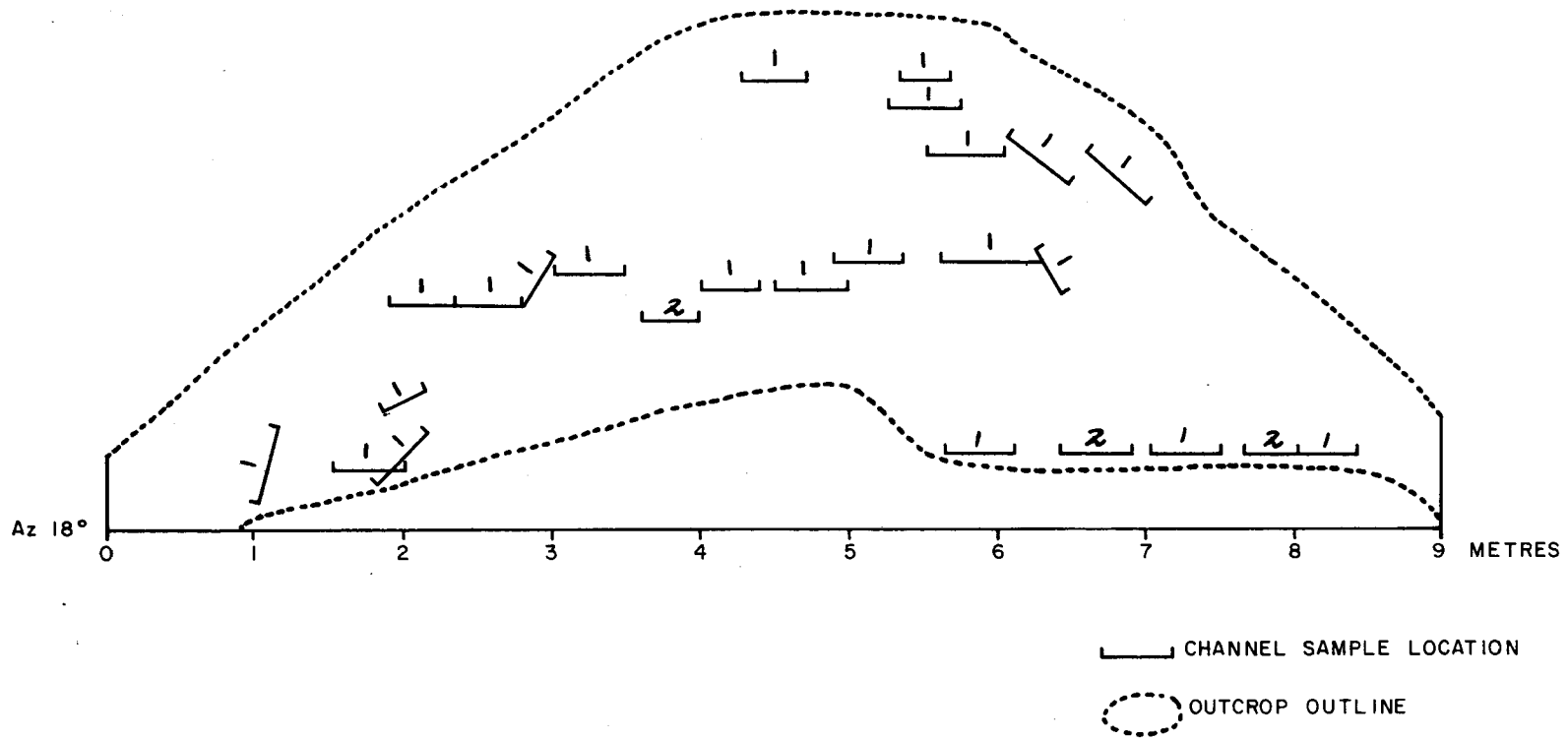
GEOCHEMISTRY

Bi RESULTS in p.p.m.

BY: B.V.H.

DATE: DECEMBER, 1987

FIGURE: 11j



SCALE 1:50

0 0.5 1.0 2.0 3.0 4.0 metres

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.
WATSON LAKE M.D. NTS: 105 F/8

TRENCH 87-1

GEOCHEMISTRY

W RESULTS in p.p.m.

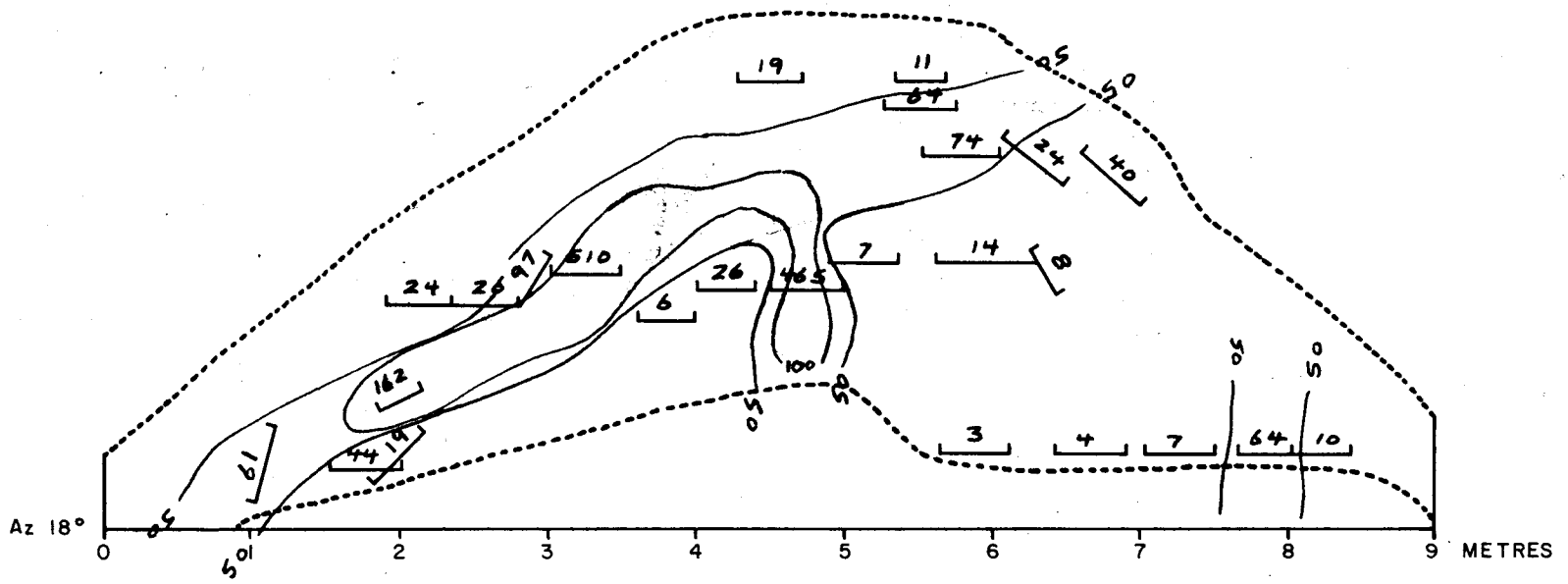
BY: B.V.H.
DATE: DECEMBER, 1987

FIGURE: 11k

092103

NE

SW



CHANNEL SAMPLE LOCATION

OUTCROP OUTLINE

SCALE 1:50

0 0.5 1.0 2.0 3.0 4.0 metres

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.

WATSON LAKE M.D. NTS: 105 F/8

TRENCH 87-1

GEOCHEMISTRY

Au RESULTS in p.p.b.

BY: B.V.H.

DATE: DECEMBER, 1987

FIGURE: 11

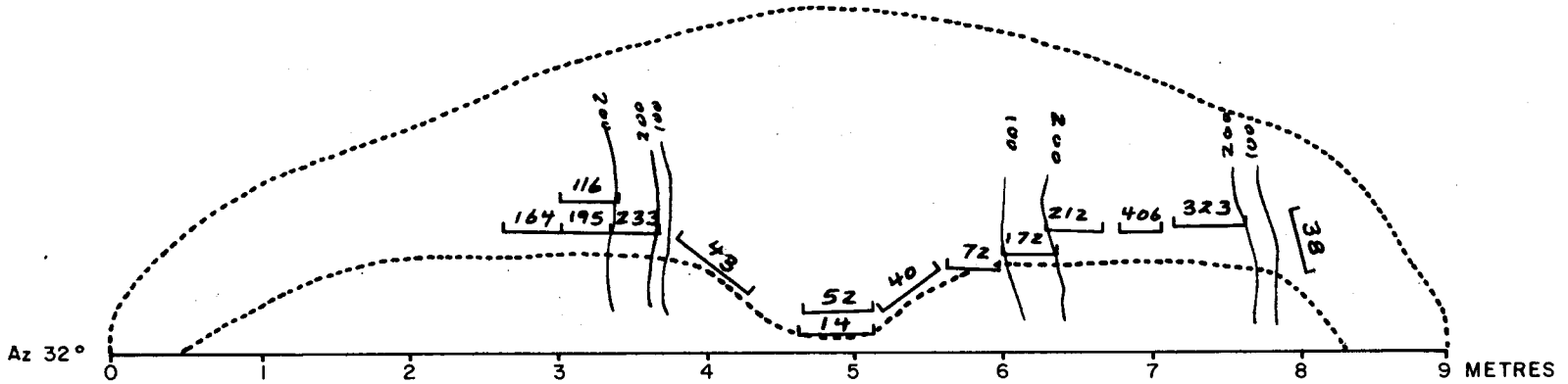
092103

APPENDIX E

TRENCH 87-2 ROCK GEOCHEMISTRY
(Figures 11b-1)

NE

SW



CHANNEL SAMPLE LOCATION

OUTCROP OUTLINE

092103

SCALE 1:50

0 0.5 1.0 2.0 3.0 4.0 metres

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.

WATSON LAKE M.D. NTS: 105 F/8

TRENCH 87-2

GEOCHEMISTRY

Cu RESULTS in p.p.m.

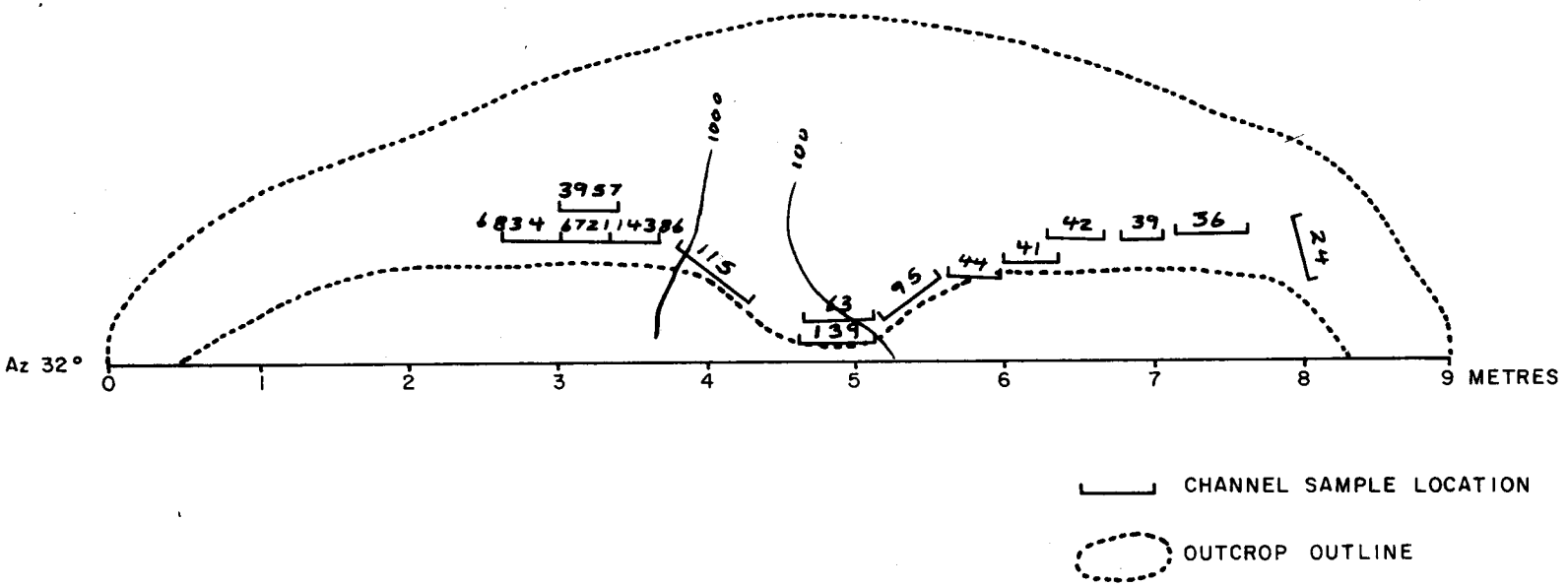
BY: B.V.H.

DATE: DECEMBER, 1987

FIGURE: 12b

NE

SW



CHANNEL SAMPLE LOCATION

OUTCROP OUTLINE

092103

SCALE 1:50

0 0.5 1.0 2.0 3.0 4.0 metres

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.

WATSON LAKE M.D. NTS: 105 F/8

TRENCH 87-2

GEOCHEMISTRY

Pb RESULTS in p.p.m.

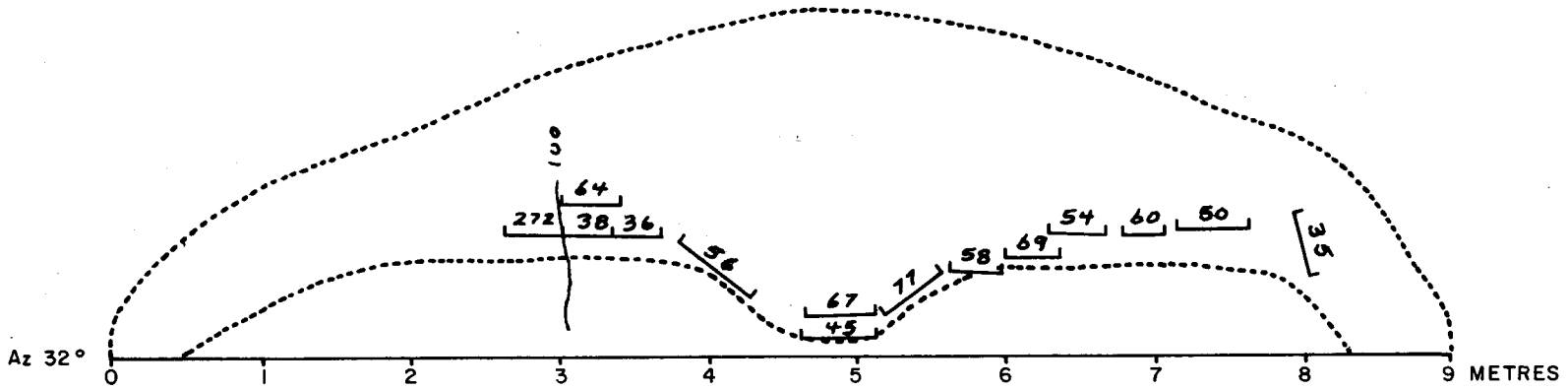
BY: B.V.H.

DATE: DECEMBER, 1987

FIGURE: 12c

NE

SW



CHANNEL SAMPLE LOCATION

OUTCROP OUTLINE

SCALE 1:50

0 0.5 1.0 2.0 3.0 4.0 metres

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.
WATSON LAKE M.D. NTS: 105 F/8

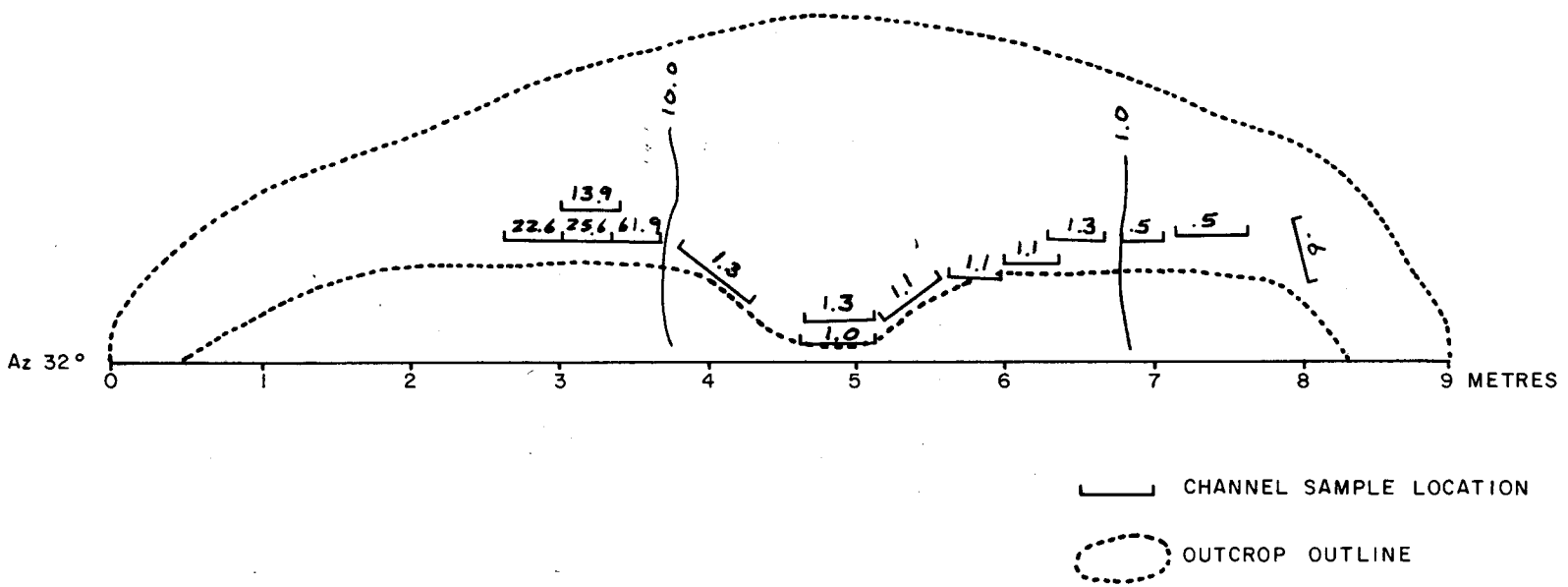
TRENCH 87-2

GEOCHEMISTRY
Zn RESULTS in p.p.m.

BY: B.V.H.
DATE: DECEMBER, 1987

FIGURE: 12 d

092103



092103

SCALE 1:50

0 0.5 1.0 2.0 3.0 4.0 metres

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

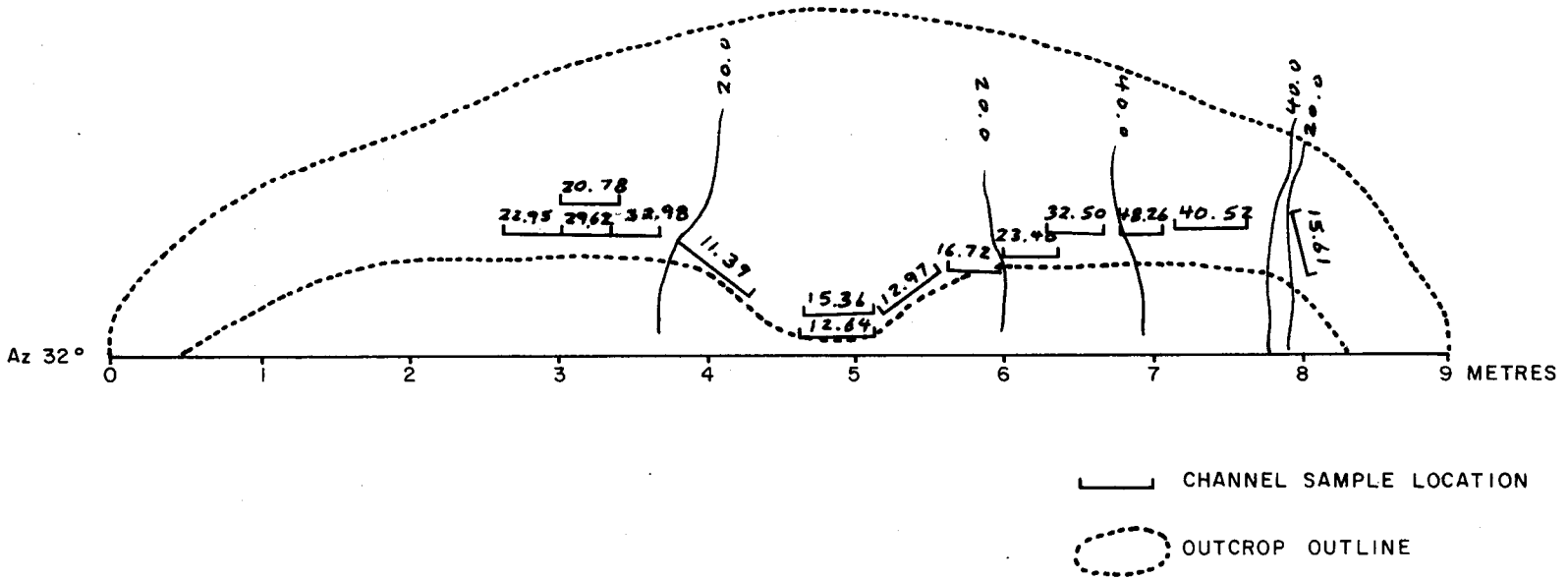
WHITE CREEK, Y.T.
WATSON LAKE M.D. NTS: 105 F/8

TRENCH 87-2

GEOCHEMISTRY
Ag RESULTS in p.p.m.

BY: B.V.H.
DATE: DECEMBER, 1987

FIGURE: 12e



092103

SCALE 1:50

0 0.5 1.0 2.0 3.0 4.0 metres

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.

WATSON LAKE M.D. NTS: 105 F/8

TRENCH 87-2

GEOCHEMISTRY

Fe RESULTS in wt.%

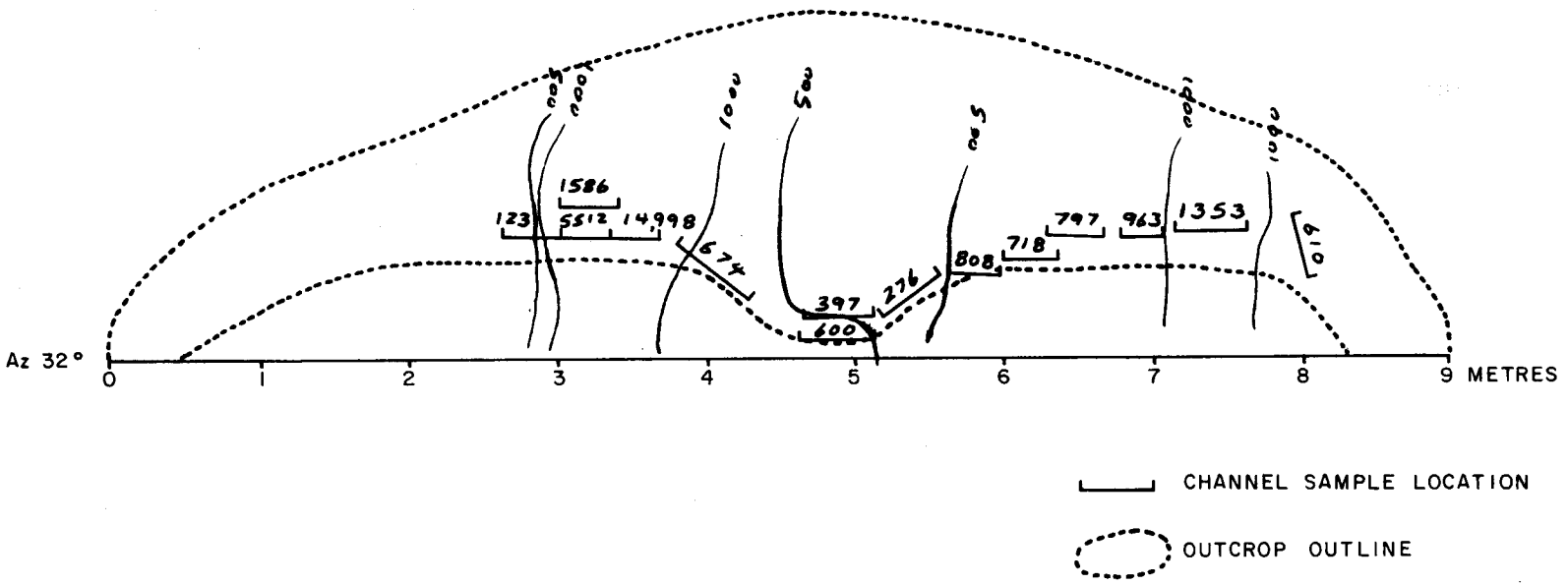
BY: B.V.H.

DATE: DECEMBER, 1987

FIGURE: 12 f

NE

SW



CHANNEL SAMPLE LOCATION

OUTCROP OUTLINE

092103

SCALE 1:50

0 0.5 1.0 2.0 3.0 4.0 metres

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.

WATSON LAKE M.D. NTS: 105 F/8

TRENCH 87-2

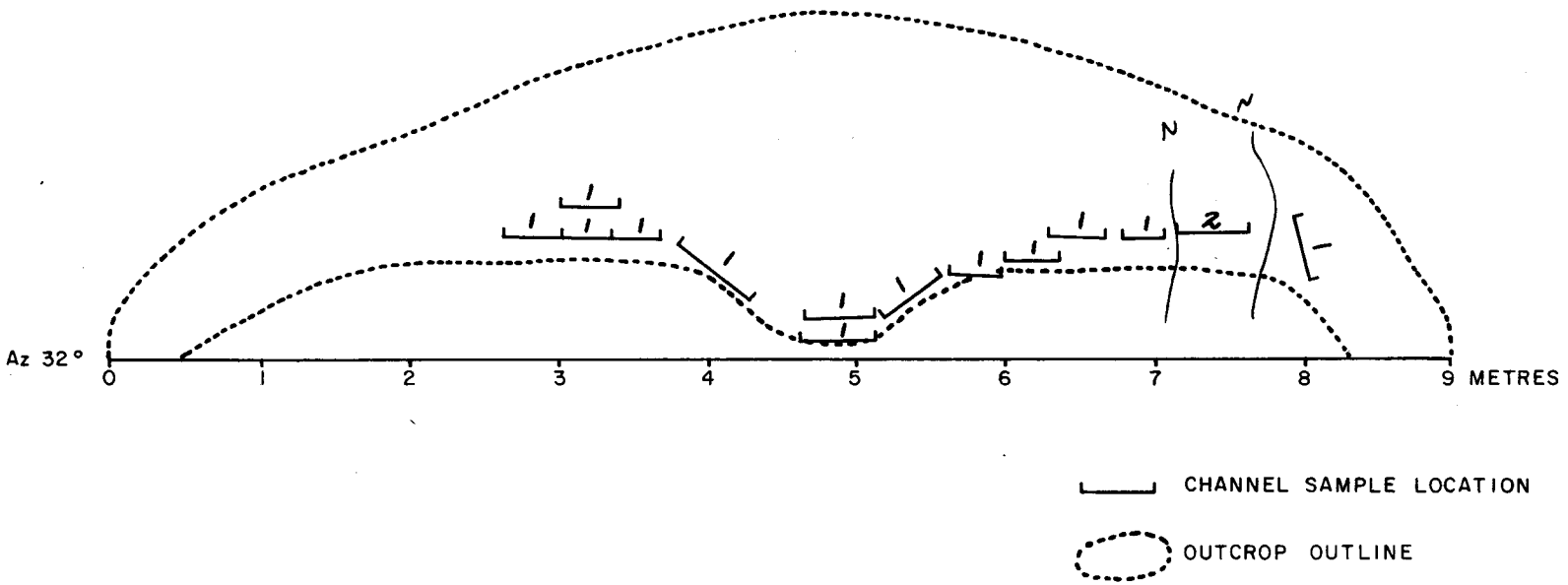
GEOCHEMISTRY

As RESULTS in p.p.m.

BY: B.V.H.

DATE: DECEMBER, 1987

FIGURE: 12g



092103

SCALE 1:50

0 0.5 1.0 2.0 3.0 4.0 metres

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.
WATSON LAKE M.D. NTS: 105 F/8

TRENCH 87-2

GEOCHEMISTRY

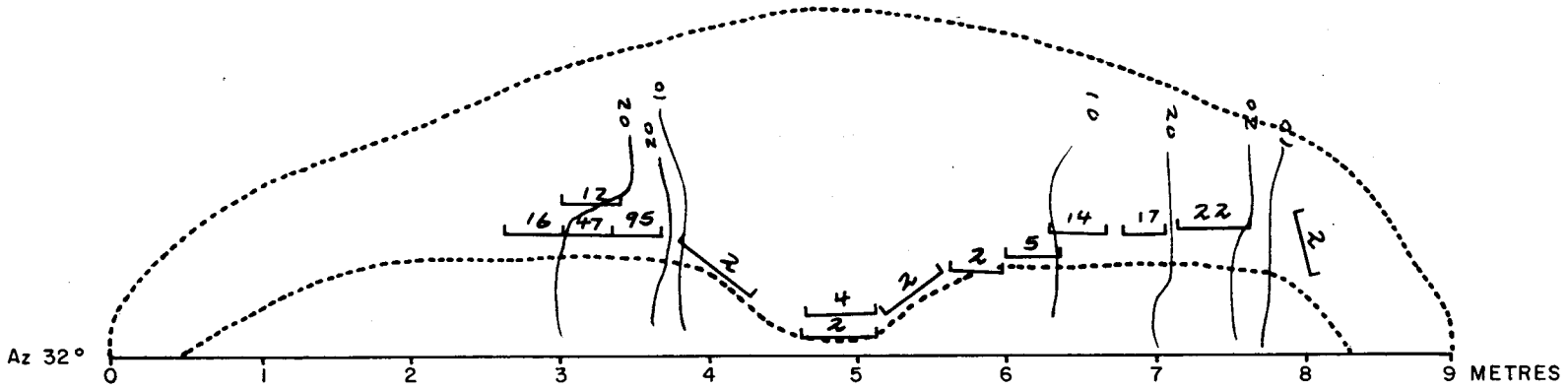
Cd RESULTS in p.p.m.

BY: B.V.H.
DATE: DECEMBER, 1987

FIGURE: 12 n

NE

SW



SCALE 1:50

0 0.5 1.0 2.0 3.0 4.0 metres

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.
WATSON LAKE M.D. NTS: 105 F/8

TRENCH 87-2

GEOCHEMISTRY

Sb RESULTS in p.p.m.

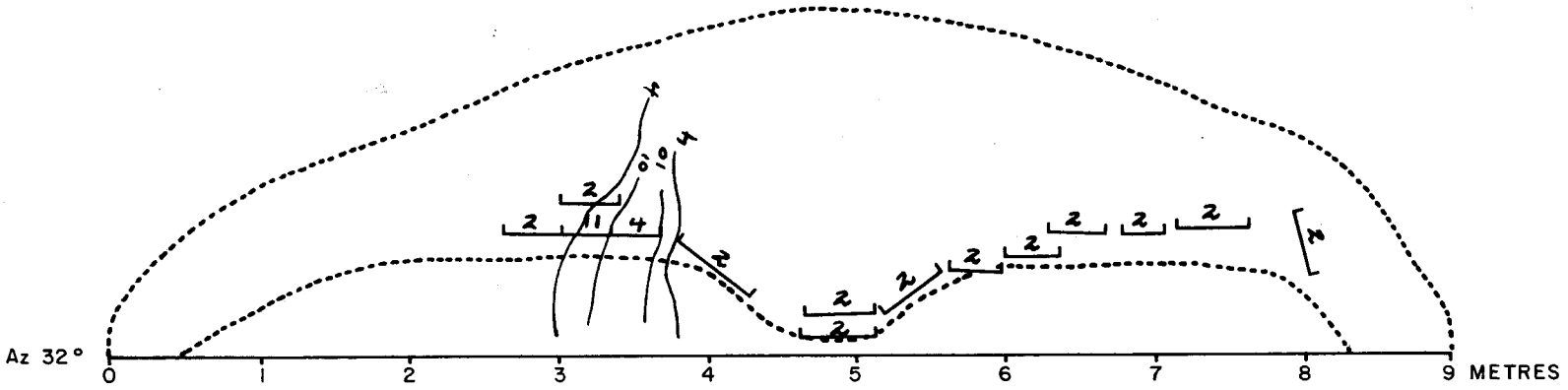
BY: B.V.H.
DATE: DECEMBER, 1987

FIGURE: 121

092103

NE

SW



CHANNEL SAMPLE LOCATION

OUTCROP OUTLINE

SCALE 1:50

0 0.5 1.0 2.0 3.0 4.0 metres

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.
WATSON LAKE M.D. NTS: 105 F/8

TRENCH 87-2

GEOCHEMISTRY

Bi RESULTS in p.p.m.

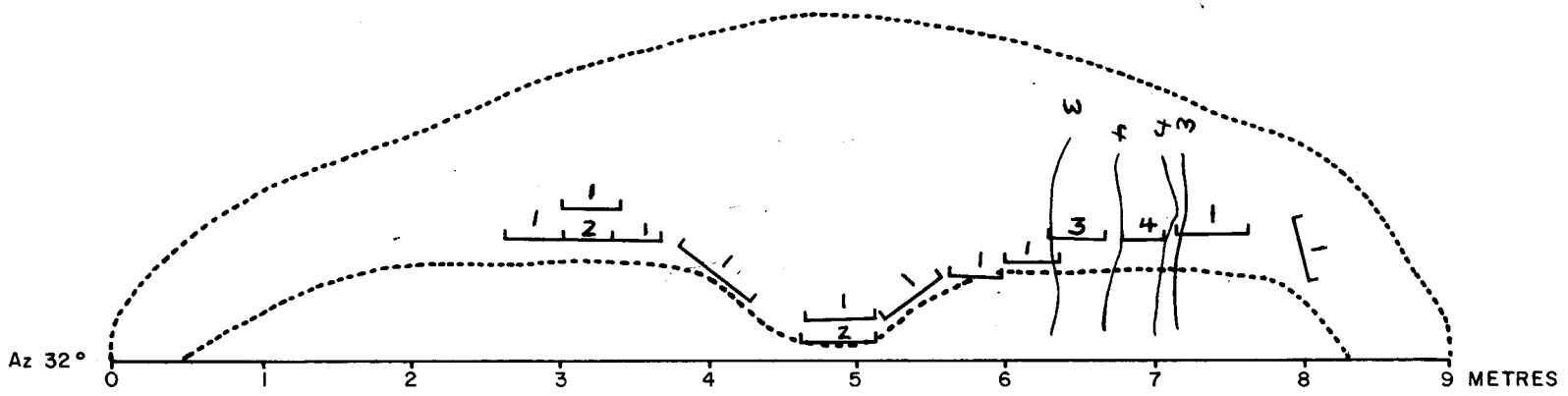
BY: B.V.H.
DATE: DECEMBER, 1987

FIGURE: 12 J

092103

NE

SW



CHANNEL SAMPLE LOCATION

OUTCROP OUTLINE

SCALE 1:50

0 0.5 1.0 2.0 3.0 4.0 metres

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.
WATSON LAKE M.D. NTS: 105 F/8

TRENCH 87-2

GEOCHEMISTRY

W RESULTS in p.p.m.

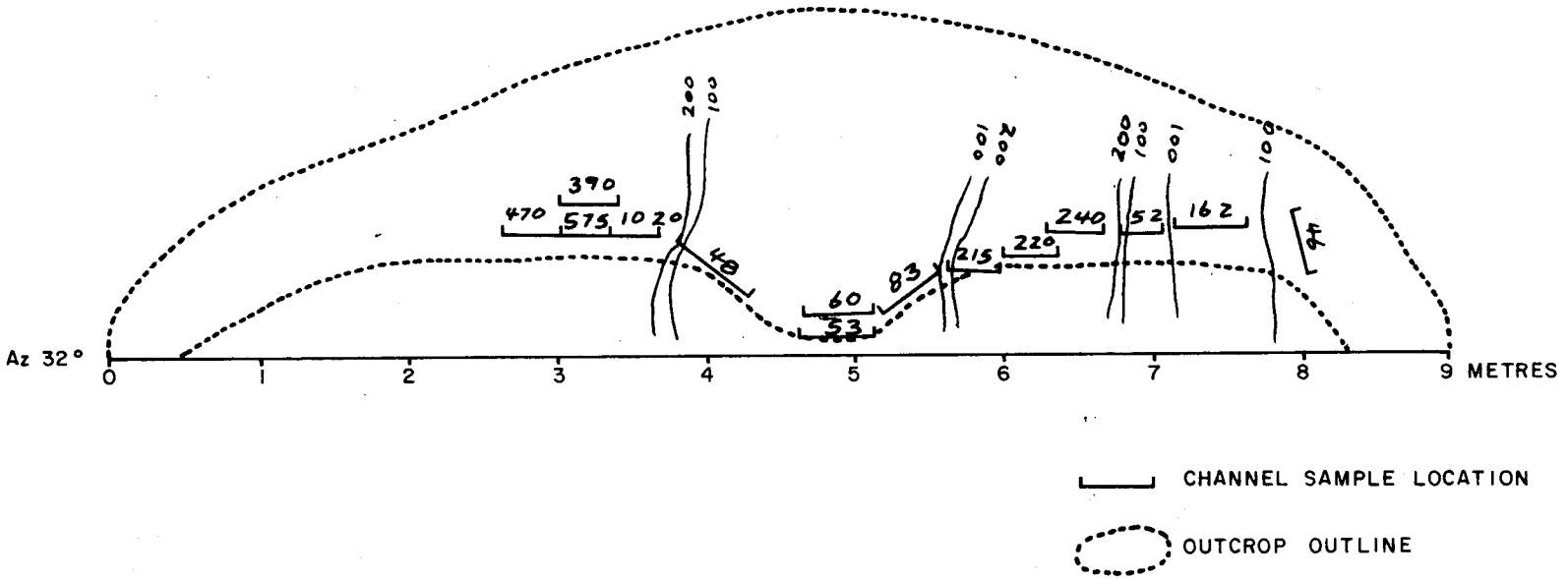
BY: B.V.H.
DATE: DECEMBER, 1987

FIGURE: 12 K

092103

NE

SW



CHANNEL SAMPLE LOCATION

OUTCROP OUTLINE

SCALE 1:50

0 0.5 1.0 2.0 3.0 4.0 metres

GOLDEN PAVILION RESOURCES

ST. PETER CLAIMS

WHITE CREEK, Y.T.
WATSON LAKE M.D. NTS: 105 F/8

TRENCH 87-2

GEOCHEMISTRY

Au RESULTS in p.p.b.

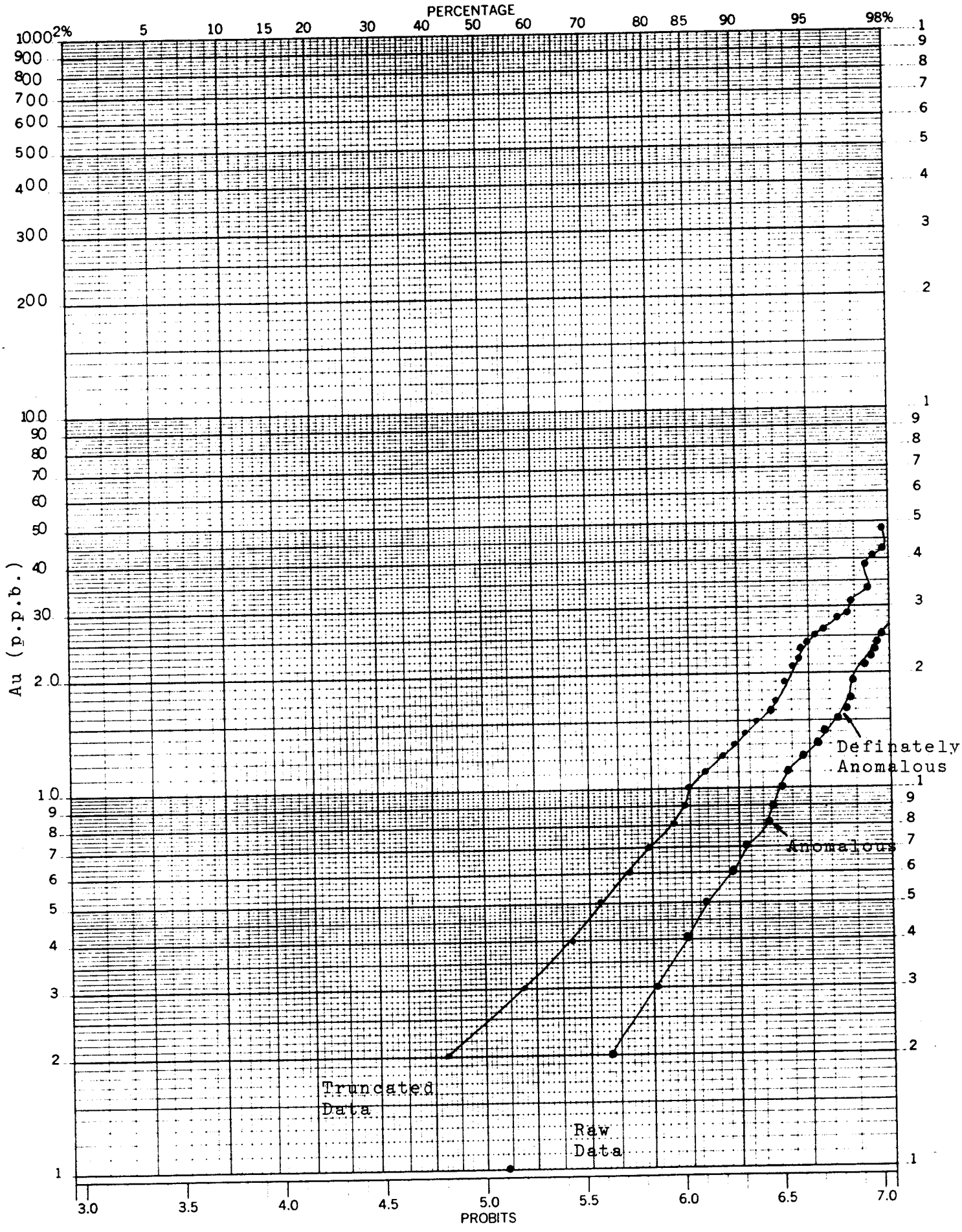
BY: B.V.H.
DATE: DECEMBER, 1987

FIGURE: 121

092103

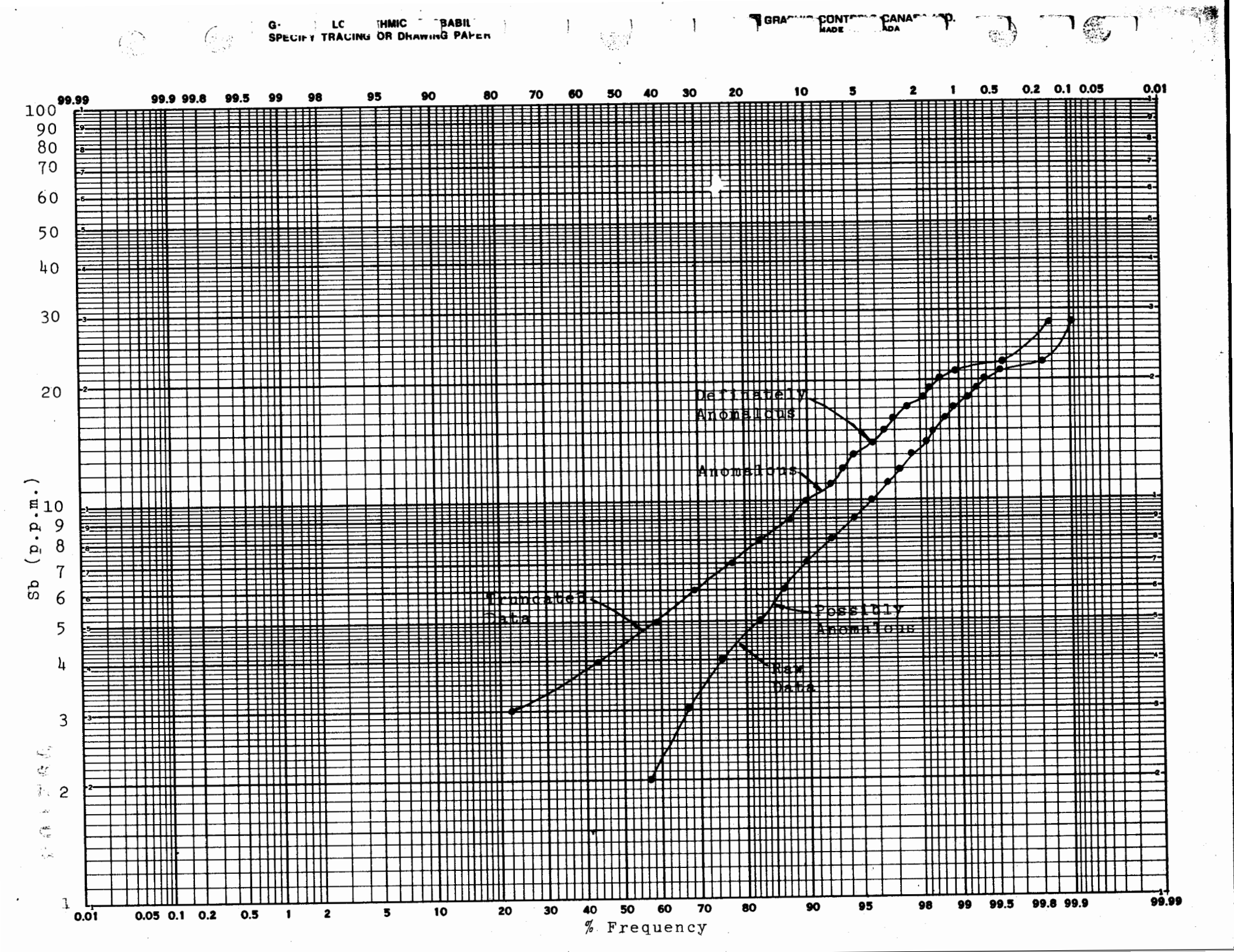
APPENDIX F

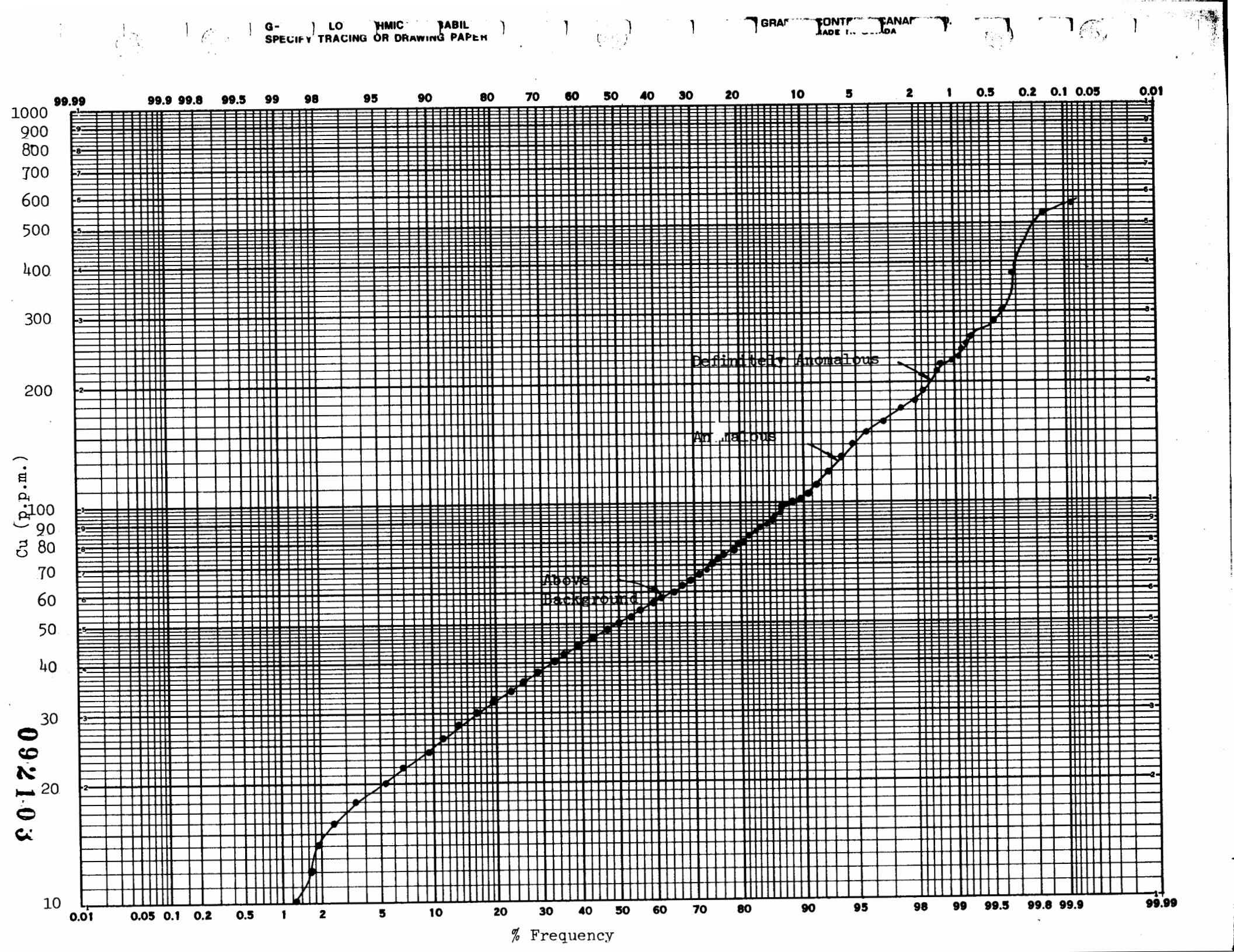
FREQUENCY PROBABILITY PLOTS FOR THE SOIL SAMPLE DATA



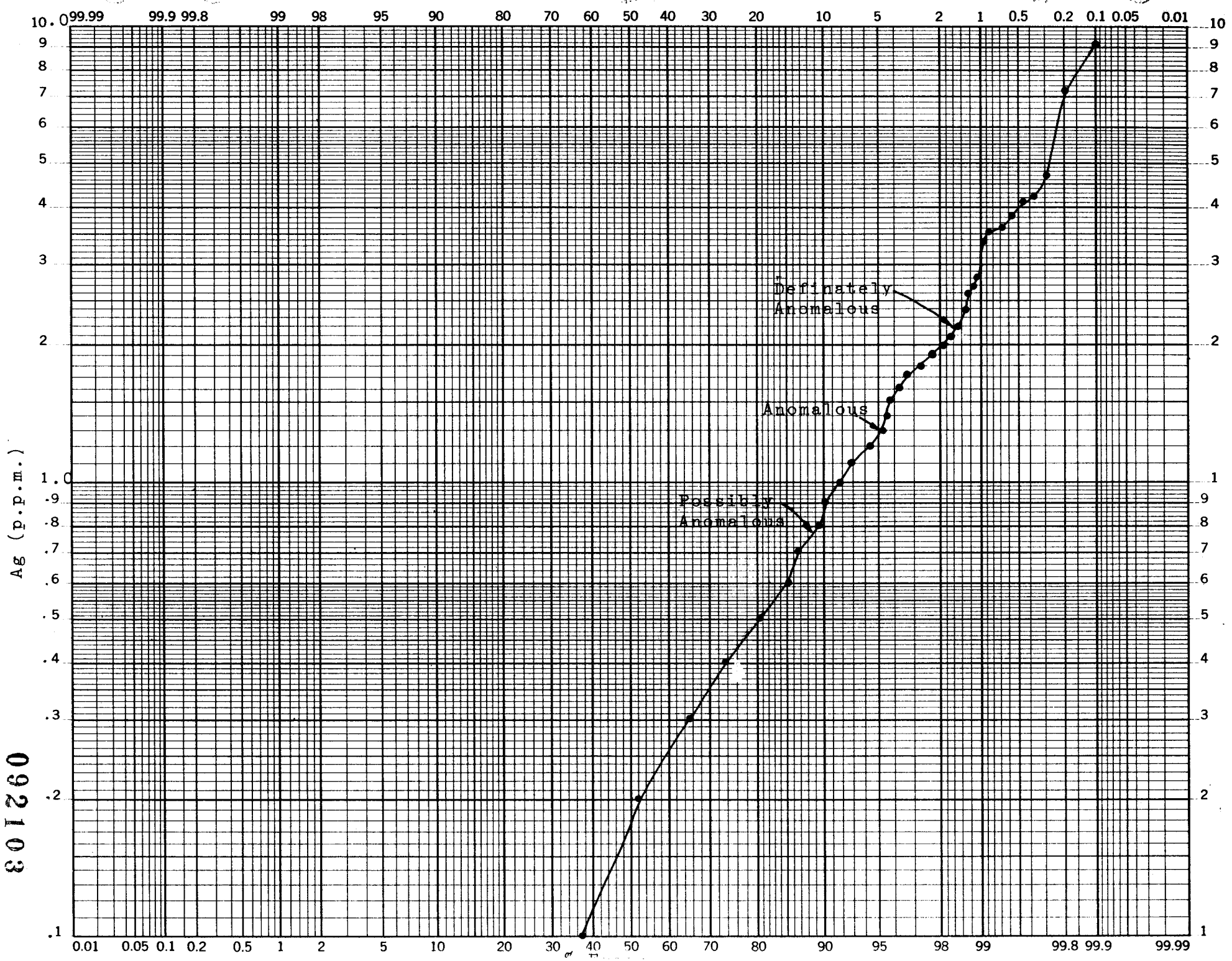
% Frequency

092103


Definately Anomalous
Anomalous
Possibly Anomalous
Truncated Data
Raw Data
Sb (p.p.m.)
% Frequency

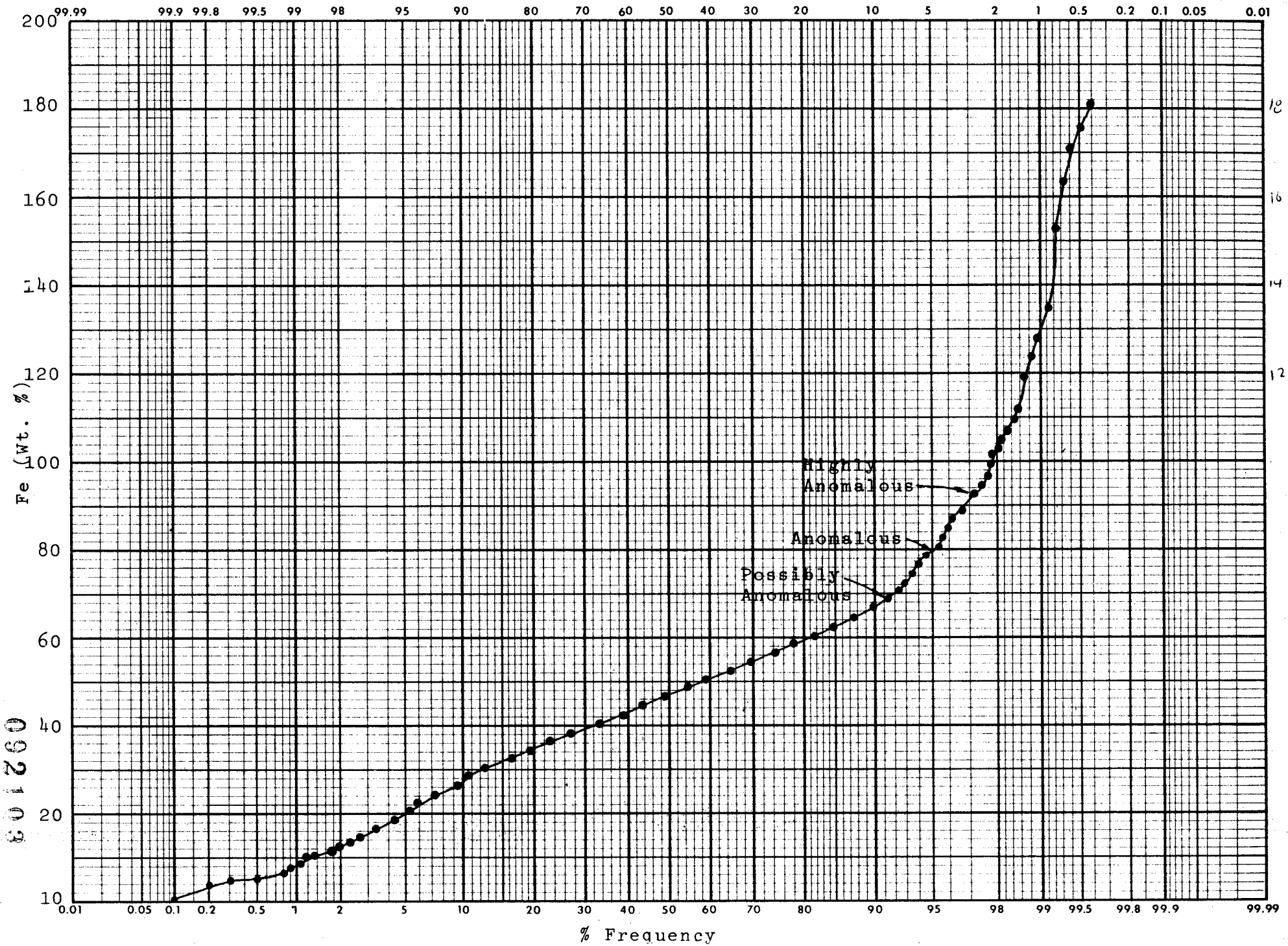

Definitely Anomalous
Anomalous
Above Background
Cu (p.p.m.)
% Frequency
99.99 99.9 99.8 99.5 99 98 95 90 80 70 60 50 40 30 20 10 5 2 1 0.5 0.2 0.1 0.05 0.01
1000 900 800 700 600 500 400 300 200 100 90 80 70 60 50 40 30 20 10
0.01 0.05 0.1 0.2 0.5 1 2 5 10 20 30 40 50 60 70 80 90 95 98 99 99.5 99.8 99.9 99.99

K+E ... FEL & ... CO. ... U.S.A.



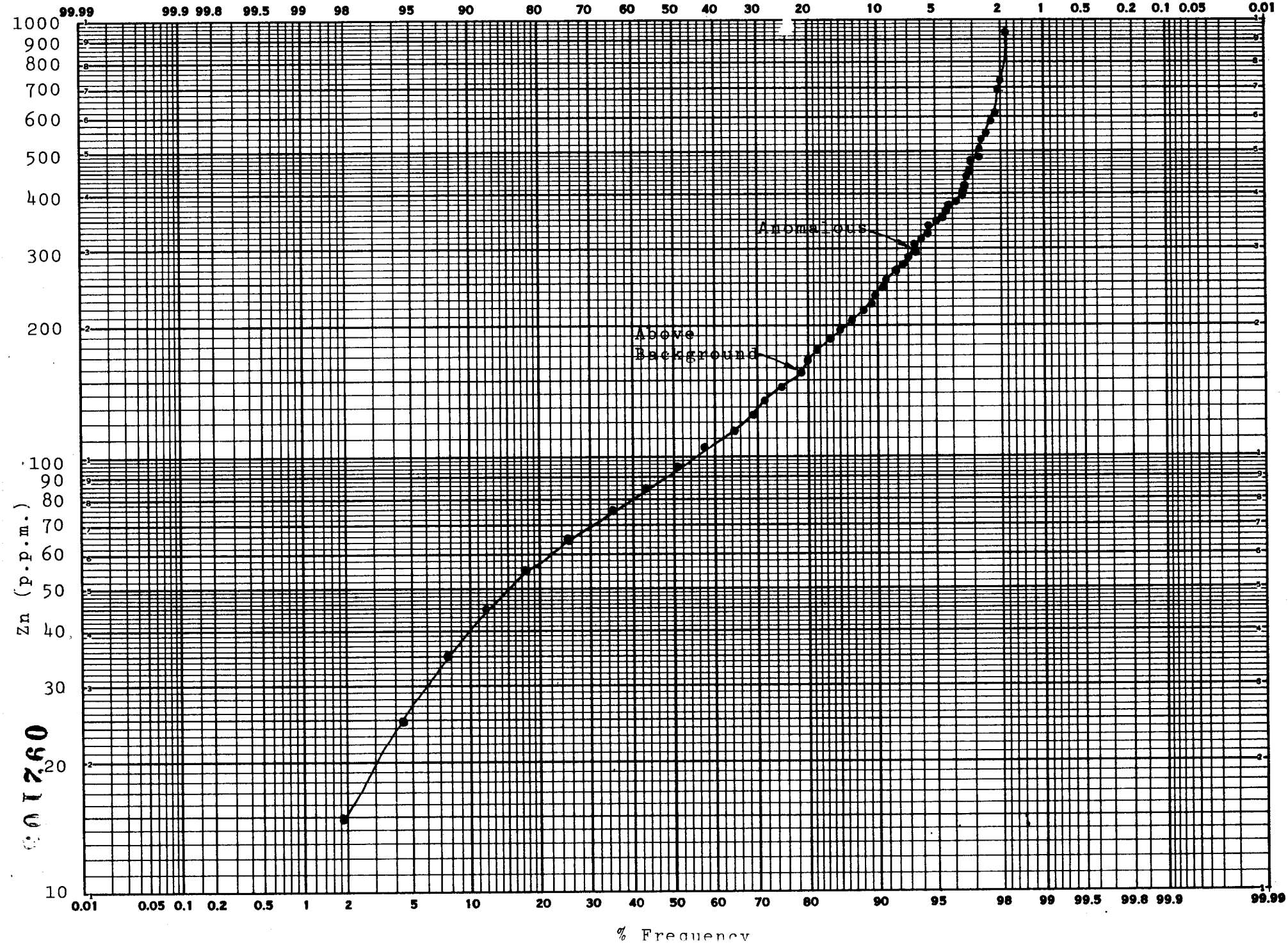
092103

MICROGRAPH
GCS-27B
Arithmetic Probability
MADE IN CANADA

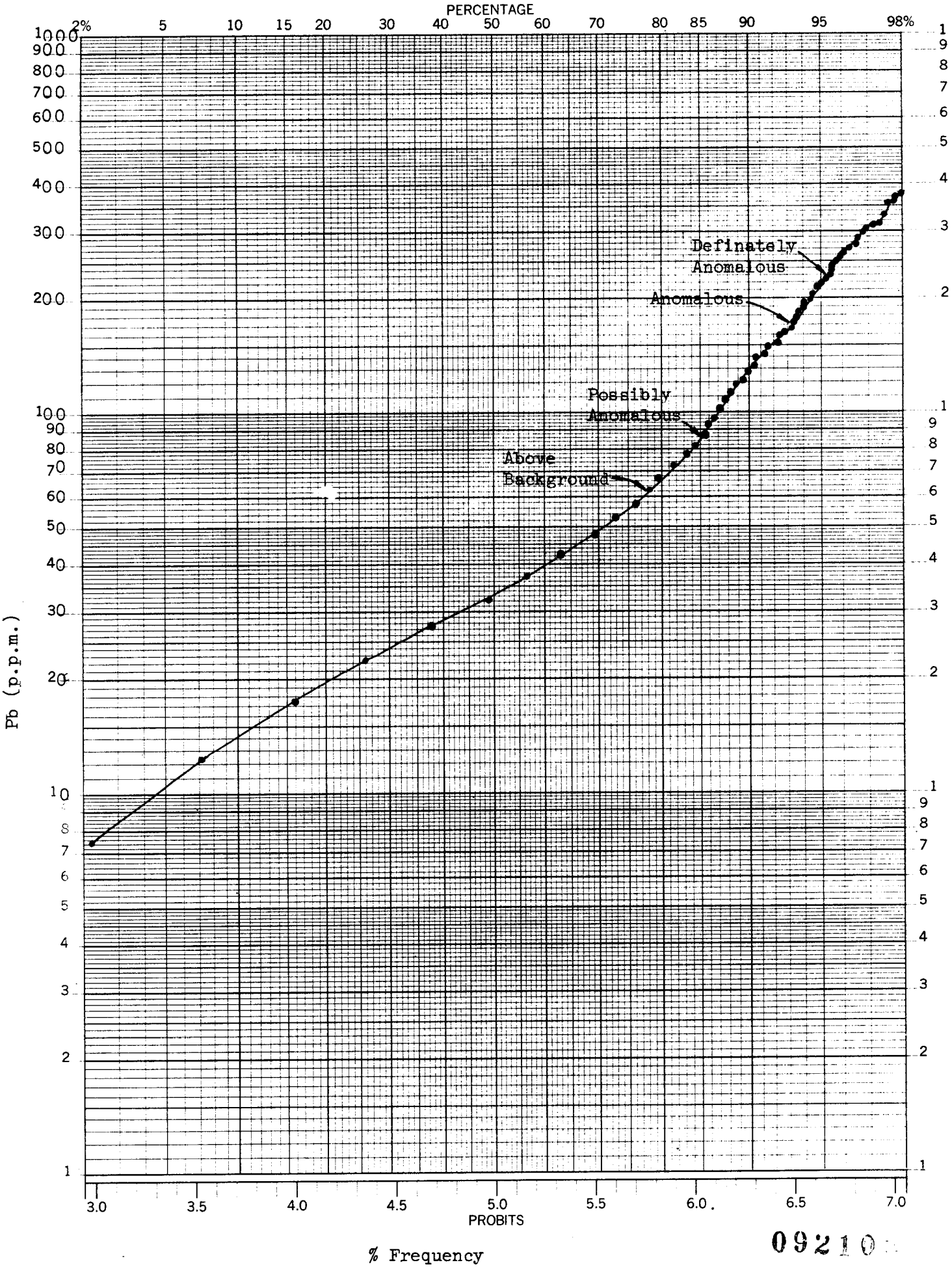


GSC 1260

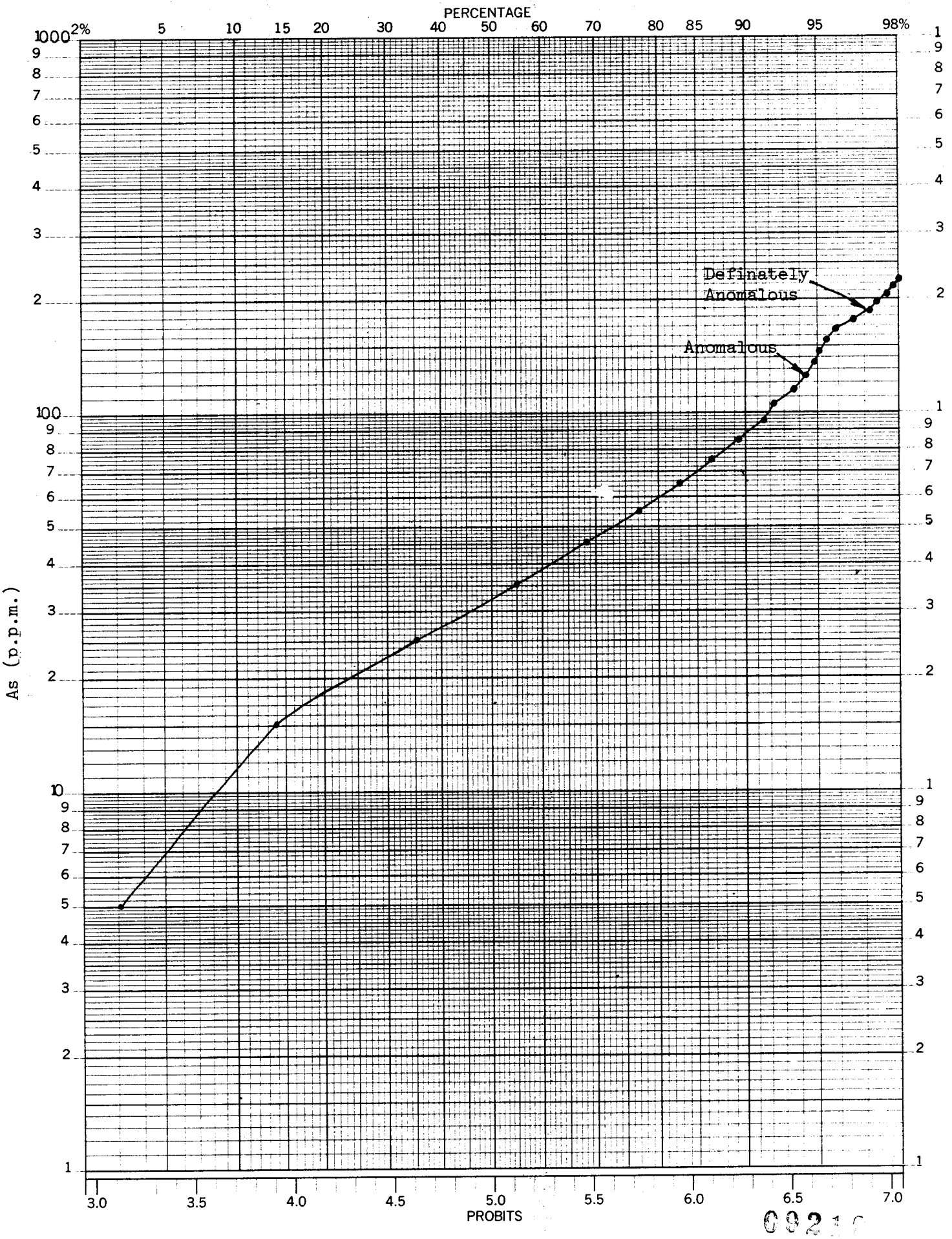
G-[illegible] LOG[illegible]MIC [illegible]ABILIT
SPECIFY TRACING OR DRAWING PAPER
[illegible]GRAP[illegible]ONTR[illegible]CANAD[illegible]
[illegible]DE IN[illegible]A



©OTTAWA



46 8080
KE BABIL 3 LO KEUFFEL & ESSER CO. MADE IN U.S.A. LES
09210


PERCENTAGE
2%
5
10
15
20
30
40
50
60
70
80
85
90
95
98%
1000
100
10
1
Definately Anomalous
Anomalous
As (p.p.m.)
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
PROBITS

% Frequency

APPENDIX G

SOIL AND SILT SAMPLE DATA

ACME ANALYTICAL LABORATORIES 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE 253-3158 DATA LINE 251-1011

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOIL AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

P30-34 Rocks

DATE RECEIVED: SEPT 1 1987 DATE REPORT MAILED: Sept 10/87 ASSAYER. D. Toye ..DEAN TOYE, CERTIFIED B.C. ASSAYER

BRIAN V HALL File # 87-3797 Page 1

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
WC L7W 5+00N	41	47	111	.1	4.44	48	1	2	2	1	1
WC L7W 4+50N	45	53	121	.3	4.37	37	2	2	2	1	4
WC L7W 4+00N	46	50	142	.4	4.79	36	1	2	2	1	2
WC L7W 3+50N	69	82	141	.8	5.14	58	1	2	2	1	4
WC L7W 3+00N	164	121	146	.7	5.41	128	1	4	2	1	1
WC L7W 2+50N	47	59	138	.5	4.78	44	1	2	2	1	2
WC L7W 2+25N	42	59	136	.2	4.62	40	1	2	2	1	3
WC L7W 2+00N	35	49	105	.5	3.86	33	1	2	2	1	2
WC L7W 1+75N	38	41	289	.3	3.97	26	1	6	2	1	2
WC L7W 1+50N	33	47	246	.3	3.53	21	1	8	2	1	1
WC L7W 1+25N	28	39	264	.6	3.55	19	1	4	2	1	2
WC L7W 1+00N	21	36	202	.1	3.26	17	1	4	2	1	1
WC L7W 0+75N	34	42	182	.4	3.87	33	1	3	2	1	1
WC L7W 0+50N	32	35	161	.2	3.27	21	1	3	2	1	2
WC L7W 0+00N	27	37	157	.3	2.69	17	1	8	2	1	1
WC L7W 0+50S	55	50	164	.5	4.13	45	1	4	2	1	1
WC L7W 1+00S	28	45	583	.2	4.04	24	1	7	2	1	2
WC L6W 5+50N	40	55	127	.2	4.57	42	1	2	2	1	1
WC L6W 5+00N	41	130	196	.8	4.68	50	1	2	2	2	2
WC L6W 4+50N	33	42	129	.3	3.42	35	1	2	2	1	1
WC L6W 4+00N	35	68	151	.3	4.18	38	1	2	2	1	2
WC L6W 3+50N	40	63	127	.5	4.48	50	2	2	2	1	1
WC L6W 3+00N	43	266	201	.8	5.45	76	1	2	2	1	2
WC L6W 2+50N	40	176	248	1.0	5.47	40	1	3	3	1	1
WC L6W 2+25N	45	434	925	2.3	5.88	89	3	3	2	2	2
WC L6W 2+00N	55	600	1081	3.2	7.43	177	2	8	2	3	17
WC L6W 1+75N	48	295	550	1.6	6.36	70	1	2	2	1	6
WC L6W 1+50N	54	78	148	.6	6.67	58	1	6	2	1	2
WC L6W 1+25N	59	123	143	.7	6.82	88	1	7	2	1	2
WC L6W 1+00N	62	65	211	.1	5.44	55	2	2	2	1	1
WC L6W 0+75N	41	41	164	.4	4.30	30	1	2	2	1	2
WC L6W 0+50N	43	59	248	.4	3.94	29	1	2	2	1	1
WC L6W 0+00N	30	36	124	.1	3.20	21	1	2	2	1	1
WC L6W 0+50S	44	29	155	.3	4.43	28	1	2	2	1	2
WC L6W 1+00S	37	29	165	.2	4.10	23	1	2	2	1	1
WC L5W 13+00N	36	27	67	.1	4.22	22	1	2	2	1	2
STD C/AU-S	61	40	129	7.1	3.87	41	18	17	21	12	49

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SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
WC L5W 12+50N	27	19	75	.1	4.81	16	1	2	2	1	1
WC L5W 12+00N	44	29	109	.1	6.83	21	1	2	3	1	2
WC L5W 11+00N A	52	20	47	.1	4.72	19	1	2	2	1	2
WC L5W 11+00N B	72	26	81	.1	7.18	23	1	2	2	1	1
WC L5W 10+50N	21	18	44	.1	2.33	23	1	2	2	1	2
WC L5W 10+00N	19	19	43	.1	2.43	22	1	2	2	2	2
WC L5W 9+50N	26	31	64	.1	3.29	38	1	2	2	2	1
WC L5W 9+00N	24	46	73	.1	2.67	48	1	2	2	2	2
WC L5W 8+50N	37	43	70	.2	4.14	68	1	2	2	1	12
WC L5W 8+00N	30	25	93	.1	4.60	17	1	2	2	1	1
WC L5W 7+50N	30	21	98	.2	4.19	14	1	2	2	1	1
WC L5W 7+00N	7	2	24	.1	.81	4	1	2	2	2	2
WC L5W 6+50N	27	34	84	.1	4.95	31	1	2	2	1	1
WC L5W 6+00N	57	71	140	.6	4.72	65	1	2	2	1	6
WC L5W 5+50N	54	101	104	.4	4.73	77	1	2	2	2	4
WC L5W 5+00N	39	46	107	.4	4.37	35	1	2	2	.1	3
WC L5W 4+50N	47	61	116	.2	6.79	62	1	2	3	1	1
WC L5W 4+00N	36	81	183	.6	4.68	51	1	2	3	1	3
WC L5W 3+50N	53	453	231	2.3	6.07	67	1	3	2	1	2
WC L5W 3+00N	47	1160	342	5.8	7.36	68	1	2	2	1	5
WC L5W 2+50N	49	403	188	1.8	10.95	91	1	4	2	1	4
WC L5W 2+25N	59	222	329	1.5	8.47	202	1	3	2	1	10
WC L5W 2+00N	73	306	356	1.3	10.16	133	1	6	5	2	8
WC L5W 1+75N	59	334	218	2.0	7.92	81	1	5	2	1	12
WC L5W 1+50N	81	172	237	1.2	7.78	118	1	7	2	2	10
WC L5W 1+25N	119	163	162	1.2	7.72	70	1	8	2	1	3
WC L5W 1+00N	59	68	184	.6	5.36	41	1	2	3	1	9
WC L5W 0+75N	57	41	183	.4	5.33	32	1	2	2	1	2
WC L5W 0+50N	50	25	159	.6	6.71	34	1	2	2	1	1
WC L5W 0+00	62	42	147	.6	6.30	64	1	2	3	1	15
WC L5W 0+50S	66	31	142	.2	6.11	72	1	4	2	1	6
WC L5W 1+00S	47	26	118	.4	3.91	25	1	2	2	1	2
WC L5W 1+50S	86	27	293	1.2	3.56	37	2	3	2	1	1
WC L5W 2+00S	40	21	200	.5	3.37	26	1	2	2	2	2
WC L4W 13+00N	57	19	121	.1	6.59	33	1	6	3	1	1
WC L4W 12+50N	24	7	80	.1	3.56	16	1	2	2	1	2
STD C/AU-S	62	41	131	7.3	4.06	43	17	17	22	14	51

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SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
WC L4W 12+00N	34	18	83	.2	4.45	21	1	2	2	1	5
WC L4W 11+50N	38	25	73	.1	4.26	35	1	2	2	1	1
WC L4W 11+00N	37	30	81	.1	4.66	19	1	2	2	1	1
WC L4W 10+50N	34	19	80	.1	4.58	20	1	4	2	1	1
WC L4W 9+50N	24	25	60	.1	3.45	24	1	2	2	1	1
WC L4W 9+00N	7	6	168	.1	.10	4	1	2	3	1	1
WC L4W 8+50N	36	43	62	.1	4.77	49	2	2	2	1	2
WC L4W 8+00N	29	22	62	.1	2.74	31	1	2	2	2	1
WC L4W 7+50N	33	23	78	.1	3.69	30	1	2	2	2	2
WC L4W 7+00N	30	28	75	.1	4.08	24	1	2	2	1	1
WC L4W 6+50N	33	25	72	.1	3.96	35	1	2	2	1	3
WC L4W 6+00N	39	46	109	.2	4.27	27	1	2	2	1	1
WC L4W 5+50N	33	29	95	.2	3.22	31	1	2	2	1	4
WC L4W 5+00N	40	35	100	.2	3.92	33	1	2	2	1	4
WC L4W 4+50N	55	63	126	.2	5.65	66	1	2	2	1	2
WC L4W 4+00N	38	96	120	.5	4.73	48	1	2	2	1	4
WC L4W 3+50N	40	109	113	.2	4.65	89	1	2	2	1	21
WC L4W 3+00N	38	117	167	.6	4.46	43	1	2	2	1	1
WC L4W 2+50N	48	144	245	1.2	6.16	81	1	2	2	1	4
WC L4W 2+00N	55	103	185	.9	5.54	68	1	3	2	1	2
WC L4W 1+75N	39	130	216	.9	4.92	135	1	2	2	1	2
WC L4W 1+50N	49	149	232	1.2	5.01	171	3	2	2	1	4
WC L4W 1+25N	51	274	340	1.9	5.20	323	1	4	2	1	4
WC L4W 1+00N	52	296	271	1.9	4.92	66	1	2	2	2	2
WC L4W 0+50N	60	76	215	.5	4.47	43	1	2	2	2	4
WC L4W 0+00	45	34	228	.3	3.99	27	1	2	2	1	1
WC L4W 0+50S	102	49	213	.3	6.09	86	1	3	2	1	16
WC L4W 1+00S	49	42	166	.3	3.33	29	1	2	2	1	5
WC L4W 1+50S	50	43	157	.3	5.50	35	3	2	2	2	2
WC L4W 2+00S	48	46	214	.4	3.94	33	1	2	2	1	11
WC L3W 13+00N	37	19	83	.1	4.72	15	1	2	2	1	2
WC L3W 12+50N	24	20	56	.1	3.26	11	1	2	2	3	1
WC L3W 12+00N	37	21	89	.2	4.35	10	1	2	2	1	2
WC L3W 11+50N	45	40	105	.1	5.93	17	1	2	2	1	1
WC L3W 11+00N	21	16	67	.1	4.42	25	1	2	2	1	1
WC L3W 10+50N	19	14	60	.1	3.89	25	1	2	2	1	1
STD C/AU-S	61	41	130	7.3	3.99	39	18	18	19	12	52

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SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
WC L3W 10+00N	34	26	78	.1	4.60	26	1	2	2	1	1
WC L3W 9+50N	38	27	86	.2	4.91	17	1	2	2	1	1
WC L3W 9+00N	37	31	87	.1	4.97	33	1	2	2	1	1
WC L3W 8+50N	46	33	71	.2	4.97	54	1	2	2	1	1
WC L3W 8+00N	26	24	43	.2	3.71	33	1	2	2	1	1
WC L3W 7+50N	29	16	78	.1	3.56	27	1	2	2	1	2
WC L3W 7+00N	29	18	69	.2	3.36	28	1	2	2	1	1
WC L3W 6+50N	50	38	69	.1	4.15	63	1	2	2	1	1
WC L3W 5+50N	35	140	119	.3	3.63	110	1	2	2	1	5
WC L3W 5+00N	86	132	142	.5	8.41	100	1	7	3	1	2
WC L3W 4+50N	42	120	142	.5	4.47	69	2	2	2	1	1
WC L3W 4+00N	48	155	146	.6	4.87	78	2	4	2	1	1
WC L3W 3+50N	53	464	264	1.7	8.80	207	1	5	2	1	62
WC L3W 3+00N	50	482	266	2.0	6.73	228	1	4	2	1	13
WC L3W 2+50N	57	461	325	1.8	7.05	212	1	2	2	1	13
WC L3W 2+25N	50	301	235	1.4	5.43	87	1	6	2	1	3
WC L3W 2+00N	40	199	220	1.1	4.45	68	1	4	2	1	2
WC L3W 1+75N	46	147	244	.6	5.30	103	2	8	2	1	1
WC L3W 1+50N	44	170	287	.6	4.67	285	1	6	2	1	1
WC L3W 1+00N	63	308	236	1.4	7.25	113	1	9	2	1	3
WC L3W 0+50N	58	243	246	1.7	5.55	99	2	7	2	1	13
WC L3W 0+00	32	23	110	.5	2.34	28	1	4	2	2	1
WC L3W 0+50S	63	19	201	1.6	2.33	24	9	4	2	1	3
WC L3W 1+00S	96	45	385	.8	4.71	50	5	5	2	1	2
WC L3W 1+50S	46	19	141	.6	1.94	28	2	4	2	1	1
WC L3W 2+00S	37	10	117	1.2	1.73	18	1	2	2	1	1
WC L2W 13+00N	30	12	24	.1	2.51	29	3	3	2	1	1
WC L2W 12+50N	28	15	45	.1	2.58	50	1	2	2	1	1
WC L2W 12+00N	29	32	62	.1	3.73	68	1	2	4	1	1
WC L2W 11+50N	23	31	56	.1	2.62	42	1	2	2	1	1
WC L2W 11+00N	37	39	83	.3	3.75	46	1	2	2	1	2
STD C/AU-S	59	41	127	7.0	3.82	41	17	17	20	14	52
WC L2W 10+50N	35	41	85	.1	3.93	50	2	3	2	1	5
WC L2W 10+00N	25	23	78	.1	3.45	43	1	2	2	1	1
WC L2W 9+50N	26	28	71	.2	3.10	39	1	3	2	1	1
WC L2W 9+00N	19	21	64	.1	2.47	27	1	2	2	1	1
WC L2W 8+50N	32	36	70	.1	3.39	41	1	2	2	1	2

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SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
WC L2W 8+00N	27	27	72	.3	3.53	34	1	2	2	1	3
WC L2W 7+50N	28	30	72	.3	4.00	36	1	2	2	1	4
WC L2W 7+00N	26	32	66	.1	3.67	33	1	2	2	1	1
WC L2W 5+50N	33	78	113	.3	3.78	65	1	2	2	1	3
WC L2W 5+00N	41	68	118	.4	4.65	55	2	2	2	1	1
WC L2W 4+50N	40	97	129	.6	4.53	45	1	2	2	1	2
WC L2W 4+00N	52	263	156	1.1	4.85	75	1	2	2	1	8
WC L2W 3+50N	32	152	185	.3	4.20	60	1	2	2	1	1
WC L2W 3+00N	33	117	144	.3	3.72	48	1	2	2	1	1
WC L2W 2+50N	31	66	132	.2	3.36	43	1	2	2	1	1
WC L2W 2+00N	19	38	80	.3	2.33	21	1	2	2	1	1
WC L2W 1+50N	27	22	49	.4	3.65	29	2	2	2	1	1
WC L2W 1+00N	35	44	78	.7	3.61	33	2	5	2	1	2
WC L2W 0+50N	47	38	123	.5	3.15	24	3	2	3	1	1
WC L2W 0+00	57	45	181	.7	4.02	42	2	5	2	1	2
WC L2W 0+50S	98	44	195	1.2	4.42	41	1	8	2	1	1
WC L2W 1+00S	54	16	215	.6	3.21	41	1	6	2	1	4
WC L2W 1+50S	72	15	181	1.0	2.09	23	5	2	2	1	2
WC L2W 2+00S	58	16	224	.6	3.71	53	3	9	2	1	3
WC L1W 13+00N	35	36	98	.1	6.06	47	1	2	6	1	2
WC L1W 12+50N	15	18	39	.1	2.77	28	1	2	2	2	2
WC L1W 12+00N	24	33	77	.2	3.86	43	2	2	2	1	3
WC L1W 11+50N	9	10	21	.1	1.79	17	2	2	2	1	1
WC L1W 11+00N	9	26	41	.4	1.63	29	2	3	2	2	2
WC L1W 10+50N	19	34	49	.1	3.22	53	2	2	2	1	2
WC L1W 10+00N	28	34	59	.1	3.41	117	1	2	2	1	7
WC L1W 9+50N	22	34	67	.3	3.02	82	2	2	2	1	4
WC L1W 9+00N	28	26	52	.1	3.91	41	1	2	2	2	3
WC L1W 8+50N	31	30	60	.3	3.43	50	1	2	2	1	1
WC L1W 8+00N	38	39	85	.1	4.58	53	1	2	2	1	5
WC L1W 7+50N	36	40	91	.1	4.34	46	1	2	2	1	6
WC L1W 7+00N	37	49	87	.2	4.04	55	2	3	2	1	14
WC L1W 6+50N	42	56	106	.1	4.58	63	1	2	2	1	13
WC L1W 6+00N	60	108	124	.3	5.91	84	1	5	2	1	21
WC L1W 5+50N	31	39	90	.1	3.93	41	1	2	2	1	1
WC L1W 5+00N	42	38	97	.3	4.14	52	1	6	2	1	1
STD C/AU-S	60	39	130	7.6	4.11	41	19	18	20	13	54

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SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
WC L1W 4+50N	52	84	130	.4	5.10	61	1	2	2	1	4
WC L1W 4+00N	65	210	213	1.2	6.23	88	1	4	2	1	3
WC L1W 3+50N	75	234	435	1.0	5.81	64	2	5	2	1	1
WC L1W 3+00N	58	25	121	.4	3.90	25	1	4	2	1	1
WC L1W 2+50N	41	33	133	.1	3.82	21	1	2	2	1	1
WC L1W 2+00N	80	59	122	.7	6.31	51	1	10	2	1	1
WC L1W 1+50N	52	45	77	.5	6.29	67	1	7	2	1	3
WC L1W 1+00N	60	42	95	.5	5.53	52	1	7	2	1	1
WC L1W 0+50N	60	110	143	.6	6.21	54	2	10	2	1	1
WC L1W 0+00	76	17	206	.5	3.16	17	2	5	2	1	1
WC L1W 0+50S	36	17	70	.4	1.34	27	1	5	3	1	2
WC L1W 1+00S	23	23	98	.7	2.18	37	1	6	3	1	12
WC L1W 1+50S	103	24	266	.3	5.16	52	3	18	2	1	1
WC L1W 2+00S	60	26	217	1.8	2.75	58	1	14	2	2	2
WC L0E 6+50N	64	74	153	.6	5.19	88	1	4	2	1	2
WC L0E 6+00N	49	57	115	.2	4.92	56	2	4	2	1	1
WC L0E 5+50N	49	56	130	.1	4.77	47	1	4	2	1	2
WC L0E 5+00N	44	24	126	.1	3.75	42	1	5	2	1	1
WC L0E 4+50N	48	22	116	.1	3.97	43	1	3	2	1	1
WC L0E 4+00N	47	19	104	.2	3.69	42	2	3	2	1	1
WC L0E 3+50N	55	37	133	.3	4.50	56	1	4	2	1	1
WC L0E 3+00N	63	29	128	.2	5.10	27	1	9	2	1	1
WC L0E 2+50N	68	33	141	.6	5.12	27	2	6	2	1	1
WC L0E 1+50N	54	30	117	.2	4.29	20	1	3	2	1	1
WC L0E 1+00N	37	21	82	.1	3.53	13	1	3	2	3	1
WC L0E 0+50N	28	25	61	.1	2.28	6	1	5	2	3	1
WC L0E 0+00	26	12	61	.2	3.11	6	1	2	2	4	1
WC L0E 0+50S	75	12	70	.6	3.10	17	1	6	4	1	1
WC L0E 1+00S	35	11	105	.2	2.65	9	1	4	2	1	2
WC L0E 1+50S	78	34	54	1.0	1.61	39	1	12	2	1	3
WC L0E 2+00S	35	18	67	2.1	1.43	21	1	5	2	1	2
WC L1E 6+00N	37	73	95	.2	3.82	36	1	3	2	1	2
WC L1E 5+50N	44	127	155	.6	4.43	39	1	2	2	1	3
WC L1E 5+00N	60	125	115	.5	5.54	52	1	3	2	1	8
WC L1E 4+50N	64	74	125	.4	5.97	52	1	4	2	1	4
WC L1E 4+00N	56	26	88	.2	5.40	29	1	4	2	1	3
STD C/AU-S	62	41	129	7.6	3.97	41	18	18	22	13	48

092105

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
WC L1E 3+50N	62	41	78	.1	6.12	45	1	2	2	1	4
WC L1E 3+00N	42	18	58	.1	5.21	25	1	2	2	1	1
WC L1E 2+50N	84	27	106	.3	4.50	28	1	2	2	1	1
WC L1E 2+00N	37	15	98	.1	3.64	32	1	3	3	1	1
WC L1E 1+50N	63	35	129	.3	3.36	20	1	5	2	1	2
WC L1E 1+00N	65	25	145	.3	3.88	14	1	2	2	1	1
WC L1E 0+50N	55	26	189	.4	4.00	11	1	2	2	1	1
WC L1E 0+00	28	12	102	.1	2.67	6	1	2	2	2	1
WC L1E 0+50S	32	2	116	.3	1.32	6	1	4	3	1	1
WC L1E 1+00S	57	10	201	.1	3.29	12	3	2	2	1	1
WC L1E 1+50S	27	7	57	.1	2.67	7	1	2	3	1	1
WC L1E 2+00S	51	14	214	.1	8.02	12	2	2	2	1	1
WC L2E 6+50N	59	74	185	.1	4.81	68	1	2	4	1	26
WC L2E 6+00N	41	59	82	.1	3.90	38	1	2	2	1	6
WC L2E 5+50N	68	119	128	.4	6.33	68	1	2	2	1	14
WC L2E 5+00N	48	48	97	.1	4.15	30	1	2	3	1	2
WC L2E 4+50N	48	46	83	.1	4.22	29	1	3	2	1	1
WC L2E 4+00N	51	26	72	.2	4.13	17	1	2	2	1	1
WC L2E 3+50N	52	27	81	.2	4.59	27	1	2	2	1	3
WC L2E 3+00N	53	18	72	.2	4.66	19	1	2	2	1	1
WC L2E 2+50N	43	17	64	.3	5.49	23	1	2	2	1	1
WC L2E 2+00N	26	31	58	.5	3.02	24	1	3	2	1	2
WC L2E 1+50N	45	29	80	.2	5.24	20	1	3	3	1	1
WC L2E 1+00N	50	16	71	.1	4.65	16	1	3	2	1	1
WC L2E 0+50N	49	19	105	.1	4.54	44	1	4	2	1	1
WC L2E 0+00N	39	31	114	.3	3.11	21	1	6	2	1	1
WC L2E 0+50S	65	58	138	.6	5.48	44	1	11	2	1	1
WC L2E 1+00S	65	237	270	1.5	4.41	32	1	8	2	1	1
WC L2E 1+50S	87	34	112	1.3	2.48	21	1	6	2	1	1
WC L2E 2+00S	51	14	113	.2	3.77	27	1	5	2	1	2
WC L2+50E 2+00N BL	57	25	46	.1	4.88	17	1	4	2	2	3
WC L2+50E 1+75N	26	14	15	.1	2.68	9	1	4	2	1	3
WC L2+50E 1+50N	28	29	62	.1	3.54	33	1	2	2	3	5
WC L2+50E 1+25N	34	27	84	.1	4.16	16	1	2	2	1	1
WC L2+50E 1+00N	16	17	12	.1	1.41	6	1	2	2	1	1
WC L2+50E 0+75N	66	16	85	.2	2.07	16	1	3	2	1	1
STD C/AU-S	62	37	132	7.6	4.02	40	18	17	23	13	48

052190

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
WC L2+50E 0+50N	41	22	86	.1	4.67	27	1	7	2	2	2
WC L2+50E 0+25N	10	2	56	.1	1.11	6	2	3	2	2	1
WC L2+50E 0+00	25	31	84	.1	5.54	27	2	2	3	1	1
WC L3E 6+00N	50	30	84	.1	5.06	34	3	2	2	1	1
WC L3E 5+50N	34	37	73	.1	4.52	29	3	2	2	1	1
WC L3E 5+00N	37	36	68	.1	5.52	25	1	2	2	2	1
WC L3E 4+50N	53	119	69	.4	5.44	62	1	2	2	1	1
WC L3E 4+00N	49	41	54	.1	5.14	26	1	2	2	1	1
WC L3E 3+50N	60	15	32	.1	5.64	28	1	2	2	3	1
WC L3E 3+00N	45	13	33	.1	6.88	31	2	2	2	1	1
WC L3E 2+50N	20	14	23	.1	5.97	19	1	2	2	3	1
WC L3E 2+00N	30	21	27	.3	5.98	51	2	3	2	7	2
WC L3E 1+50N	10	15	27	.1	1.81	8	1	2	2	5	1
WC L3E 1+25N	29	36	65	.2	4.69	19	1	3	2	4	1
WC L3E 1+00N	38	29	145	.1	5.48	27	1	4	2	5	1
WC L3E 0+50N	104	44	92	.6	5.50	48	3	10	2	1	1
WC L3E 0+00	378	43	123	.6	6.61	77	2	22	2	1	6
WC L3E 0+50S	166	23	97	.5	7.11	38	3	6	2	1	1
WC L3E 1+00S	43	23	86	.1	3.74	21	2	2	2	1	1
WC L3E 1+50S	97	40	245	.1	6.54	38	1	7	4	2	1
WC L3E 2+00S	33	16	107	.1	2.98	36	3	2	2	1	1
WC L3+50E 2+00N	46	14	29	.1	9.35	51	1	2	2	1	1
WC L3+50E 1+75N	242	17	77	.1	34.30	89	3	2	2	1	37
WC L3+50E 1+50N	234	15	70	.1	18.02	60	1	2	9	1	4
WC L3+50E 1+25N	57	24	66	.1	25.16	49	3	2	2	1	1
WC L3+50E 1+00N	5	9	31	.1	1.16	5	3	2	2	2	1
WC L3+50E 0+75N	37	42	69	.4	3.17	28	2	9	2	1	2
WC L3+50E 0+50N	45	25	60	.3	3.67	18	2	9	2	1	1
WC L3+50E 0+25N	57	34	82	.1	6.97	29	1	3	2	2	1
WC L3+50E 0+00	104	49	102	.8	7.00	60	4	8	2	2	1
WC L4E 6+50N	44	31	90	.1	4.07	32	3	2	2	2	8
WC L4E 6+00N	49	29	103	.1	4.37	36	1	2	2	1	1
WC L4E 5+50N	52	23	117	.1	4.95	31	1	2	2	2	1
WC L4E 5+00N	37	29	70	.1	5.72	31	1	2	2	1	1
WC L4E 4+50N	49	25	72	.3	7.98	40	2	3	2	1	1
WC L4E 4+00N	45	23	56	.1	6.76	38	2	2	2	1	1
STD C/AU-S	60	37	129	7.0	3.84	39	18	17	21	13	48

092165

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
WC L4E 3+50N	42	26	54	.1	5.60	33	1	2	2	1	2
WC L4E 3+00N	47	25	55	.1	5.75	47	1	2	2	1	1
WC L4E 2+50N	46	25	60	.1	5.47	35	1	4	2	1	2
WC L4E 2+00N	61	21	53	.1	6.68	33	1	2	2	1	1
WC L4E 1+75N	37	13	39	.1	3.68	19	1	2	2	2	2
WC L4E 1+50N	44	19	79	.1	5.24	21	1	3	2	1	1
WC L4E 1+25N	56	27	89	.1	6.58	28	1	3	2	1	1
WC L4E 1+00N	53	32	86	.1	7.96	43	1	5	2	1	2
WC L4E 0+75N	119	57	313	.5	8.78	50	1	9	2	1	3
WC L4E 0+50N	66	46	84	.1	4.27	39	1	12	2	1	2
WC L4E 0+00	92	59	153	1.0	4.31	53	1	8	2	2	5
WC L4E 0+50S	80	32	115	1.0	4.73	61	1	15	2	2	3
WC L4E 1+00S	76	34	155	.1	5.44	47	1	14	2	1	1
WC L4E 1+50S	36	16	83	.1	4.02	21	1	2	2	1	12
WC L4E 2+00S	56	24	101	.4	3.90	29	1	6	2	1	4
WC L4+50E 1+50N	19	7	15	.1	1.42	7	1	4	4	1	1
WC L4+50E 1+25N	10	7	13	.1	1.27	7	1	2	2	2	2
WC L4+50E 1+00N	79	45	117	.1	6.99	62	1	14	2	1	1
WC L4+50E 0+75N	54	37	96	.1	4.90	28	1	5	2	1	2
WC L4+50E 0+50N	75	43	140	.5	4.84	39	1	9	2	1	2
WC L4+50E 0+25N	88	24	167	.1	7.84	156	1	8	2	1	4
WC L4+50E 0+00	111	40	331	.6	5.97	43	1	11	2	1	2
WC L4+50E 0+25S	109	59	288	.8	4.62	45	2	8	2	1	2
WC L4+50E 0+50S	103	53	206	1.0	5.59	66	1	15	2	1	1
WC L5E 6+50N	62	73	149	.3	4.50	72	1	4	2	1	6
WC L5E 6+00N	11	3	8	.4	.39	2	1	2	2	1	2
WC L5E 5+50N	5	7	9	.4	.57	4	3	2	3	1	1
WC L5E 5+00N	54	33	83	.1	4.01	33	1	2	2	1	2
WC L5E 4+50N	30	32	64	.1	2.87	22	1	2	2	1	2
WC L5E 4+00N	46	25	101	.2	4.02	28	1	3	2	1	2
WC L5E 3+50N	63	62	80	.3	7.90	75	1	6	2	1	4
WC L5E 3+00N	47	32	76	.1	7.44	60	1	3	2	1	2
WC L5E 2+50N	50	43	80	.3	9.31	97	1	4	2	1	4
WC L5E 2+25N	53	43	98	.1	6.34	55	1	3	2	1	2
WC L5E 2+00N	62	23	111	.1	6.42	37	1	5	2	1	1
WC L5E 1+75N	55	22	102	.2	5.30	27	1	3	3	1	2
STD C/AU-S	61	42	131	7.2	3.89	41	18	17	22	12	49

092103

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
WC L5E 1+50N	73	19	114	.1	6.70	41	1	7	2	1	2
WC L5E 1+25N	47	13	72	.1	7.57	30	1	3	2	1	1
WC L5E 1+00N	75	34	119	.1	7.42	32	1	3	2	1	2
WC L5E 0+75N	40	20	64	.2	3.89	24	1	2	2	1	1
WC L5E 0+50N	42	39	63	.7	2.96	24	1	6	2	1	1
WC L5E 0+00	80	25	182	.4	4.41	37	2	11	2	1	2
WC L5E 0+50S	149	30	217	.4	4.89	41	1	10	2	1	1
WC L5E 1+00S	132	61	211	1.6	5.86	84	1	20	2	1	2
WC L5E 1+50S	74	44	352	.4	4.56	52	2	16	2	2	1
WC L5E 2+00S	31	19	63	.1	3.54	19	1	2	2	1	1
WC L5+50E 1+50N	50	22	103	.3	5.58	35	1	4	2	1	2
WC L5+50E 1+25N	56	38	108	.1	5.09	32	1	7	2	1	1
WC L5+50E 1+00N	66	53	141	.5	4.47	43	1	8	2	1	2
WC L5+50E 0+75N	73	62	137	.3	4.09	49	1	16	2	1	1
WC L5+50E 0+50N	113	34	171	.9	3.75	33	1	10	2	2	2
WC L5+50E 0+25N	134	54	387	.6	5.23	47	3	7	2	1	1
WC L5+50E 0+00N	9	5	23	.1	.80	4	2	3	2	2	2
WC L5+50E 0+25S	5	6	6	.1	.64	2	1	4	3	1	1
WC L5+50E 0+50S	45	33	130	1.0	2.56	26	3	8	2	1	1
WC L6E 5+00N	58	48	118	.2	6.37	36	1	2	2	1	2
WC L6E 4+50N	55	34	95	.5	5.74	30	1	3	2	1	1
WC L6E 4+00N	61	55	118	.1	6.61	26	1	2	3	1	2
WC L6E 3+50N	42	25	48	.1	3.10	17	1	2	2	1	1
WC L6E 3+00N	70	36	93	.1	6.49	28	1	2	2	1	2
WC L6E 2+50N	72	36	69	.2	5.29	24	1	2	2	1	1
WC L6E 2+25N	47	40	74	.1	5.83	27	1	5	2	1	2
WC L6E 2+00N	57	28	85	.3	4.75	36	1	2	2	1	1
WC L6E 1+75N	41	21	70	.2	3.27	23	1	5	2	5	2
WC L6E 1+50N	36	29	115	.1	3.25	26	1	4	2	1	1
WC L6E 1+25N	34	17	70	.3	3.24	20	1	2	2	1	2
WC L6E 1+00N	119	36	215	.3	4.67	41	2	7	2	1	2
WC L6E 0+75N	3	2	5	.1	.42	2	2	2	2	1	1
WC L6E 0+50N	138	41	316	.4	6.04	47	1	8	2	1	2
WC L6E 0+00	66	26	222	.2	3.08	25	1	6	2	1	1
WC L6E 0+50S	75	35	137	.4	3.20	27	1	6	2	2	2
WC L6E 1+00S	99	44	188	1.3	6.88	60	1	16	2	1	1
STD C/AU-S	63	42	132	7.5	3.94	44	20	17	23	15	51

092103

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
WC L6E 1+50S	40	12	95	.1	2.09	15	1	2	2	3	1
WC L6E 2+00S	58	30	219	.3	4.87	46	1	3	2	1	1
WC L6+50E 1+50N	35	13	75	.1	3.30	17	1	2	2	1	1
WC L6+50E 1+25N	20	12	113	.1	1.61	10	1	2	2	1	1
WC L6+50E 1+00N	44	38	118	.2	4.16	30	1	2	2	1	1
WC L6+50E 0+75N	49	48	156	.1	5.23	36	1	4	2	1	2
WC L6+50E 0+50N	45	24	67	.1	5.50	101	1	2	2	1	1
WC L6+50E 0+25N	67	27	119	.1	8.93	120	1	6	2	1	1
WC L6+50E 0+00	32	29	76	.2	2.90	27	1	7	2	1	1
WC L7E 5+00N	53	169	109	.5	5.23	218	1	2	2	1	29
WC L7E 4+50N	57	123	109	.2	4.77	131	1	2	2	1	16
WC L7E 4+00N	49	63	105	.2	4.56	39	1	2	2	1	2
WC L7E 3+50N	42	64	75	.2	4.27	24	1	2	2	1	1
WC L7E 3+00N	52	77	96	.1	4.73	28	1	4	2	1	1
WC L7E 2+50N	40	509	111	1.7	4.75	87	1	2	2	1	16
WC L7E 2+00N	68	42	88	.3	6.12	29	1	2	2	1	3
WC L7E 1+50N	28	38	85	.3	4.41	39	1	2	2	1	1
WC L7E 1+00N	48	75	114	.4	6.12	41	1	2	2	1	2
WC L7E 0+50N	57	31	133	.1	10.63	143	1	4	4	1	14
WC L7E 0+00	106	51	221	1.1	5.38	46	1	13	2	1	2
WC L7E 0+50S	75	21	144	.4	3.98	51	1	4	2	1	1
WC L7E 1+00S	17	14	45	.1	2.04	6	1	2	2	1	1
WC L7E 1+50S	29	14	77	.1	3.51	10	1	2	2	1	1
WC L7E 2+00S	35	25	101	.1	4.13	24	1	2	2	2	1
WC L7+50E 1+00N	47	14	117	.1	5.98	20	1	2	2	1	2
WC L7+50E 0+75N	75	20	151	.1	5.81	44	2	2	2	1	1
WC L7+50E 0+50N	46	16	139	.1	6.80	74	3	4	4	1	1
WC L7+50E 0+25N	245	80	342	.6	25.82	1252	1	6	7	1	44
WC L7+50E 0+00	168	35	205	.3	6.31	62	1	9	2	1	1
WC L7+50E 0+25S	126	32	166	.6	5.38	47	2	4	2	1	2
WC L7+50E 0+50S	120	36	208	1.0	4.68	45	2	5	2	1	1
WC L7+50E 0+75S	110	87	383	1.8	5.74	73	1	12	2	1	2
WC L7+50E 1+00S	121	57	343	1.4	5.81	57	3	8	2	1	1
WC L8E 5+00N	71	102	139	.5	6.61	37	1	2	3	1	2
WC L8E 4+50N	45	54	125	.3	3.93	33	2	2	2	1	1
WC L8E 4+00N	59	82	117	.1	5.88	53	1	2	2	1	1
STD C/AU-S	61	39	132	7.2	4.05	40	20	19	22	11	50

092103

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
WC L8E 3+50N	46	81	94	.4	4.56	34	1	2	2	1	1
WC L8E 3+00N	52	83	112	.4	4.55	39	1	2	2	1	1
WC L8E 2+50N	65	1071	187	4.2	6.96	109	1	2	2	1	4
WC L8E 2+00N	34	350	85	1.2	4.03	26	1	2	2	1	1
WC L8E 1+50N	81	552	262	1.8	16.39	745	1	4	2	1	62
WC L8E 1+25N	109	1045	368	3.5	22.66	759	1	6	2	1	77
WC L8E 1+00N	17	13	34	.1	2.53	22	1	2	2	2	1
WC L8E 0+75N	24	11	39	.1	2.23	26	1	2	2	1	1
WC L8E 0+50N	92	37	90	.5	4.90	106	1	9	2	1	1
WC L8E 0+25N	77	37	172	.1	5.99	176	1	8	2	1	8
WC L8E 0+00	9	5	23	.1	.68	12	1	2	2	2	1
WC L8E 0+50S	44	28	87	.2	3.71	19	1	2	2	1	1
WC L8E 1+00S	67	43	264	1.3	5.67	48	1	8	2	1	1
WC L8E 1+50S	56	24	110	.1	3.99	20	1	2	2	1	1
WC L8E 2+00S	81	31	193	.4	4.75	31	1	5	2	1	1
WC L8+50E 1+50N	61	1018	183	4.8	8.79	178	1	4	2	1	16
WC L8+50E 1+25N	39	942	130	3.7	6.17	160	1	4	2	1	11
WC L8+50E 1+00N	88	1029	274	2.9	11.89	404	1	2	2	1	28
WC L8+50E 0+75N	78	154	157	.5	9.23	89	1	2	2	1	6
WC L8+50E 0+50N	174	78	479	.6	12.72	827	4	8	2	1	9
WC L8+50E 0+25N	31	62	76	.5	3.18	40	2	3	2	1	1
WC L8+50E 0+00	538	1308	922	3.9	17.56	196	11	17	2	1	61
WC L8+50E 0+25S	59	29	118	.1	4.06	22	1	2	2	1	1
WC L8+50E 0+50S	57	19	97	.2	3.92	22	1	2	2	1	1
WC L9E 5+00N	43	96	98	.5	5.33	43	1	2	2	1	1
WC L9E 4+50N	67	126	129	.5	7.07	46	1	2	2	1	3
WC L9E 4+00N	43	109	136	.1	7.48	44	1	2	2	1	1
WC L9E 3+50N	46	93	125	.2	5.50	31	1	2	2	1	2
WC L9E 3+00N	72	158	131	.5	6.77	54	1	3	2	1	1
WC L9E 2+50N	27	55	64	.1	3.58	22	2	3	2	1	1
WC L9E 2+00N	46	315	151	1.3	9.12	75	1	2	2	1	12
WC L9E 1+50N	91	361	161	1.0	8.01	117	1	3	2	1	8
WC L9E 1+00N	46	312	151	1.1	7.57	126	1	2	2	1	12
WC L9E 0+75N	74	356	201	1.6	6.12	212	1	9	2	1	11
WC L9E 0+50N	153	840	260	2.8	9.48	84	2	21	2	1	4
WC L9E 0+25N	56	220	143	1.0	4.84	62	1	7	2	1	1
STD C/AU-S	62	38	131	7.6	3.96	38	19	18	21	12	47

092760

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
WC L9E 0+00	42	29	87	.3	4.32	16	1	2	2	1	1
WC L9E 0+25S	48	29	102	.3	4.88	15	1	4	2	1	1
WC L9E 0+50S	50	36	142	.1	4.66	16	3	2	2	2	1
WC L9E 0+75S	47	32	97	.2	4.79	17	1	3	2	1	1
WC L9E 1+00S	45	28	87	.1	4.48	15	1	2	2	1	1
WC L9E 1+50S	43	23	85	.2	4.03	18	2	2	2	1	1
WC L9E 2+00S	71	20	103	.1	4.11	26	1	2	2	1	3
WC L9+50E 0+00	60	1068	56	4.3	3.81	42	1	7	2	2	25
WC L9+50E 0+50N	47	206	63	1.0	3.80	26	1	4	2	1	24
WC L9+50E 0+25N	67	290	81	1.3	5.41	42	1	3	2	2	123
WC L9+50E 0+25S	94	1952	106	9.2	13.41	578	1	11	2	1	98
WC L9+50E 0+50S	29	55	30	.4	4.64	142	3	2	2	1	7
WC L9+50E 0+75S	43	59	102	.5	4.61	24	3	2	2	1	2
WC L9+50E 1+00S	47	71	99	.5	4.67	19	1	2	2	1	2
WC L9+50E 1+25S	48	58	99	.1	4.58	23	1	4	2	1	1
WC L9+50E 1+50S	50	45	87	.2	4.46	22	1	2	2	1	2
WC L10E 5+00N	25	35	77	.2	1.67	13	1	2	2	1	2
WC L10E 4+50N	72	89	139	.4	7.13	69	1	3	3	1	1
WC L10E 4+00N	59	54	109	.2	5.68	92	1	2	2	1	1
WC L10E 3+50N	63	59	88	.5	5.19	72	2	5	2	1	2
WC L10E 3+00N	40	73	95	.3	3.12	22	1	3	2	1	4
WC L10E 2+50N	64	208	117	1.0	3.75	22	2	2	2	1	1
WC L10E 2+00N	67	153	128	.8	5.95	38	1	4	3	2	2
WC L10E 1+50N	74	273	136	.8	6.86	59	1	4	2	1	23
WC L10E 1+00N	53	213	119	.8	4.48	34	1	2	2	1	7
WC L10E 0+50N	64	110	112	.4	5.85	45	1	2	2	1	1
WC L10E 0+25N	33	30	70	.1	4.16	19	1	2	2	1	1
WC L10E 0+00	63	31	87	.3	4.43	50	1	4	2	3	2
WC L10E 0+25S	114	165	37	.2	2.12	17	1	2	2	1	5
WC L10E 0+50S	85	406	72	2.7	13.42	567	1	5	2	1	220
WC L10E 0+75S	23	14	22	.1	2.78	35	1	2	2	2	26
WC L10E 1+00S	189	27	105	.4	15.32	1065	1	6	11	1	37
WC L10E 1+50S	163	28	97	.4	12.56	831	1	3	2	1	405
WC L10E 2+00S	41	54	119	.2	4.12	18	1	4	2	1	2
WC L10+50E 0+00S	25	23	63	.1	2.52	11	1	2	2	2	32
WC L10+50E 0+25S	16	19	36	.1	1.68	9	1	2	2	1	2
STD C/AU-S	62	39	131	7.3	4.11	41	18	18	20	14	51

90-1269

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
WC L10+50E 0+50S	38	25	152	.1	2.51	14	1	2	2	1	1
WC L10+50E 0+75S	28	58	81	.1	2.42	70	1	2	2	2	3
WC L10+50E 1+00S	61	25	88	.1	6.15	54	3	5	2	1	1
WC L10+50E 1+25S	301	34	101	.1	9.66	365	2	5	4	1	1
WC L10+50E 1+50S	177	27	122	.1	7.38	97	4	11	3	1	1
WC L10+50E 1+75S	102	41	395	.8	4.28	37	6	8	3	1	1
WC L11E 4+50N	35	27	40	.1	4.11	40	1	3	2	1	3
WC L11E 4+00N	44	18	46	.1	4.29	22	1	2	2	1	1
WC L11E 3+50N	43	43	52	.1	4.09	42	2	2	2	1	1
WC L11E 3+00N	65	24	65	.1	5.05	20	1	2	2	1	1
WC L11E 2+50N	55	32	69	.1	5.20	30	2	2	2	1	1
WC L11E 2+00N	75	28	90	.1	5.21	20	1	2	2	1	1
WC L11E 1+50N	51	27	58	.1	3.78	14	1	2	2	1	2
WC L11E 1+00N	48	24	79	.2	3.51	23	1	4	2	1	1
WC L11E 0+50N	47	30	82	.1	4.70	13	1	2	2	1	1
WC L11E 0+00	7	7	19	.1	.54	3	3	2	3	1	1
WC L11E 0+50S	53	18	58	.2	5.56	35	2	2	2	1	1
WC L11E 1+00S	66	18	77	.1	6.01	61	4	2	2	1	1
WC L11E 1+50S	66	30	118	.1	10.23	59	2	2	2	1	1
WC L11E 2+00S	67	24	352	.2	4.03	13	3	5	2	1	1
WC L11+50E 0+00	558	32	153	.1	10.49	132	1	5	2	1	1
WC L11+50E 0+25S	144	45	96	.5	7.91	92	3	14	2	1	2
WC L11+50E 0+50S	46	26	53	.2	3.02	44	1	9	2	1	1
WC L11+50E 0+75S	44	243	111	1.1	2.93	12	3	3	2	1	2
WC L11+50E 1+00S	49	60	147	.2	3.68	26	2	2	2	1	2
WC L11+50E 1+25S	45	92	194	.5	3.49	37	1	2	2	1	1
WC L11+50E 1+50S	42	84	158	.3	3.68	30	1	2	2	1	1
WC L11+50E 1+75S	42	85	164	.4	3.31	34	3	2	2	1	2
WC L11+50E 2+00S	124	41	442	.3	3.92	18	7	6	2	1	1
WC L12+00E 4+50N	35	49	48	.1	5.37	68	3	2	2	1	4
WC L12+00E 4+00N	30	25	38	.1	5.40	45	1	2	2	1	2
WC L12+00E 3+50N	28	19	33	.1	3.56	23	1	2	2	1	2
WC L12+00E 3+00N	36	19	46	.1	3.90	16	3	2	2	1	1
WC L12+00E 2+50N	42	18	54	.1	3.94	16	1	2	2	1	1
WC L12+00E 2+00N	36	10	34	.1	3.47	13	3	2	2	1	2
WC L12+00E 1+50N	107	55	73	.1	5.63	38	2	2	2	1	1
STD C/AU-S	60	37	132	7.0	4.02	40	18	17	18	12	52

092103

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
WC L12E 1+00N	106	21	97	.3	5.68	43	1	6	2	2	1
WC L12E 0+50N	23	29	30	.5	3.03	10	1	5	2	1	1
WC L12E 0+00	159	32	35	1.9	4.24	90	1	18	2	1	1
WC L12E 0+50S	167	39	57	1.3	7.35	183	2	28	2	1	1
WC L12E 1+00S	53	11	86	.5	3.70	12	2	3	2	1	1
WC L12E 1+50S	73	14	118	.3	5.69	45	2	3	2	2	1
WC L12E 2+00S	51	24	106	.4	4.06	29	4	2	2	1	1
WC L12+50E 0+50N	14	17	45	.1	3.39	6	1	2	2	1	1
WC L12+50E 0+25N	55	31	62	.2	6.20	16	3	2	2	1	1
WC L12+50E 0+00	89	25	73	.3	5.23	25	1	2	2	3	1
WC L12+50E 0+25S	240	74	77	1.3	8.89	172	2	32	2	1	1
WC L12+50E 0+50S	663	52	177	1.2	17.10	185	10	32	3	1	1
WC L12+50E 0+75S	76	43	92	1.0	6.26	111	4	22	2	1	1
WC L12+50E 1+00S	61	371	27	3.6	4.41	176	2	22	2	2	42
WC L12+50E 1+25S	45	9	44	.4	2.66	17	2	3	2	1	1
WC L12+50E 1+50S	83	22	224	.6	3.11	22	4	5	2	1	1
WC L13E 4+50N	68	18	54	.2	5.73	34	1	4	2	1	3
WC L13E 4+00N	57	23	50	.3	5.75	34	1	4	2	1	6
WC L13E 3+50N	68	17	59	.2	7.20	34	1	2	2	1	3
WC L13E 3+00N	83	24	61	.2	6.95	36	1	2	2	1	4
WC L13E 2+50N	75	22	62	.2	5.68	38	1	3	2	1	1
WC L13E 2+00N	66	17	66	.1	4.92	18	1	2	2	1	1
WC L13E 1+50N	69	9	53	.2	4.99	23	1	2	2	1	3
WC L13E 1+00N	46	12	51	.4	4.20	20	1	3	2	2	1
WC L13E 0+50N	42	23	58	.6	4.91	25	1	2	2	1	1
WC L13E 0+00N	113	22	67	.5	6.13	29	2	2	2	1	3
WC L13E 0+50S	84	32	40	.8	3.87	76	2	19	2	1	1
WC L13E 1+00S	63	30	39	.5	3.45	53	3	13	2	1	1
WC L13E 1+50S	139	50	405	1.0	6.31	45	6	10	2	2	3
WC L13E 2+00S	61	28	116	.4	4.10	28	2	4	2	1	1
WC L14E 4+50N	76	16	30	.3	6.14	42	1	2	2	1	1
WC L14E 4+00N	90	21	40	.4	6.06	40	1	3	2	1	1
WC L14E 3+50N	101	22	41	.2	5.51	31	1	2	2	1	1
WC L14E 3+00N	84	24	32	.4	6.68	38	1	2	2	1	3
WC L14E 2+50N	65	17	39	.1	5.92	34	1	2	2	1	4
WC L14E 2+00N	183	18	30	.4	6.09	50	1	4	2	1	6
STD C/AU-S	61	38	131	7.3	4.01	42	18	17	22	12	47

092103

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
WC L14E 1+50N	71	25	39	.1	10.13	67	1	2	2	1	3
WC L14E 1+00N	94	26	68	.1	8.95	34	1	2	2	1	1
WC L14E 0+50N	25	23	21	.2	4.60	38	1	5	2	3	1
WC L14E 0+00	20	22	20	.1	4.07	35	1	5	2	3	2
WC L14E 0+50S	24	20	21	.1	4.93	39	1	6	2	2	1
WC L14E 1+00S	83	15	61	.3	5.53	20	1	2	2	1	1
WC L14E 1+50S	93	34	183	1.8	4.07	40	1	11	2	1	1
WC L14E 2+00S	44	22	74	.1	3.51	15	1	2	2	1	1
WC L14+50E 1+00N	116	17	28	.1	5.89	58	1	5	2	1	1
WC L14+50E 1+75N	109	23	41	.1	8.44	77	1	5	2	1	14
WC L14+50E 1+50N	102	40	38	.3	6.34	76	1	4	2	1	11
WC L14+50E 1+25N	96	29	46	.1	6.60	79	1	5	2	1	6
WC L14+50E 0+00	89	14	308	.3	3.69	19	1	4	2	1	1
WC L14+50E 0+25S	262	46	.66	.8	7.52	156	1	18	2	1	1
WC L14+50E 0+50S	11	2	12	.1	.79	3	1	3	3	2	1
WC L14+50E 0+75S	73	12	103	.3	3.66	15	1	2	2	1	1
WC L14+50E 1+00S	140	53	99	.9	6.44	93	1	21	2	2	1
WC L15E 4+50N	46	18	59	.1	4.83	23	1	2	2	1	1
WC L15E 4+00N	46	24	50	.1	4.66	22	1	2	2	1	2
WC L15E 3+50N	61	24	59	.2	5.75	31	1	2	2	1	1
WC L15E 3+00N	57	24	39	.1	5.18	31	1	2	2	1	12
WC L15E 2+50N	49	27	26	.2	2.91	40	1	2	2	1	2
WC L15E 2+00N	22	6	9	.1	1.37	10	1	2	5	1	1
WC L15E 1+50N	61	11	32	.1	3.55	28	1	2	2	1	1
WC L15E 1+00N	77	44	56	.3	3.45	49	1	8	2	2	2
WC L15E 0+50N	178	67	99	.3	4.73	70	1	6	2	1	6
WC L15E 0+00	75	20	96	.2	4.67	26	1	4	3	1	1
WC L15E 0+50S	67	19	130	.3	3.97	15	1	3	2	1	1
WC L15E 1+00S	91	22	153	.4	3.63	24	1	4	2	1	1
WC L15E 1+50S	45	18	75	.3	3.54	14	1	2	2	1	1
WC L15E 2+00S	45	20	78	.3	3.68	15	1	3	2	1	1
WC L16E 6+00N	64	28	140	.1	4.47	43	1	3	2	1	1
WC L16E 5+50N	74	31	146	.1	4.96	49	1	2	2	1	2
WC L16E 4+50N	67	31	69	.3	5.54	90	1	2	2	1	28
WC L16E 4+00N	75	36	79	.4	5.93	111	1	3	2	1	11
WC L16E 3+50N	49	31	47	.3	4.55	144	1	3	2	1	15
STD C/AU-S	62	40	132	7.3	4.08	42	19	16	19	13	48

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
WC L16E 3+00N	61	24	91	.2	4.66	66	1	2	2	1	7
WC L16E 2+50N	69	19	181	.3	4.21	49	1	2	2	1	5
WC L16E 2+00N	86	26	113	.3	5.26	61	1	2	2	2	6
WC L16E 1+50N	51	30	133	.3	4.23	37	1	2	2	1	1
WC L16E 1+00N	102	21	104	.4	5.58	74	1	3	2	1	1
WC L16E 0+50N	21	8	63	.1	1.54	16	1	2	2	1	1
WC L16E 0+00	84	23	245	.5	4.49	72	4	7	2	1	9
WC L16E 0+50S	90	27	344	.4	5.05	63	3	5	2	1	5
WC L16E 1+00S	88	31	290	.4	5.08	96	3	7	2	1	11
WC L16E 1+50S	55	21	148	.5	3.78	22	1	2	3	1	1
WC L16E 2+00S	84	30	226	.4	4.56	46	1	4	2	1	2
WC L17E 6+00N	47	43	85	.4	5.03	99	1	2	4	1	12
WC L17E 5+50N	46	44	77	.3	4.90	112	1	2	2	2	15
WC L17E 4+50N	27	20	49	.1	2.17	46	1	2	2	1	1
WC L17E 4+00N	62	57	110	.1	6.02	95	2	2	2	1	22
WC L17E 3+50N	49	33	64	.1	5.43	95	1	2	4	1	13
WC L17E 3+00N	67	36	70	.3	6.11	115	1	2	2	1	19
WC L17E 2+50N	53	30	59	.3	5.11	117	1	2	2	1	15
WC L17E 2+00N	50	32	67	.2	5.57	107	1	2	3	2	21
WC L17E 1+50N	30	22	45	.2	3.10	54	1	2	2	1	8
WC L17E 1+00N	58	203	163	1.0	5.27	187	1	3	2	1	19
WC L17E 0+50N	75	11087	1127	41.7	8.69	2796	8	31	34	2	200
WC L17E 0+00	6	97	15	.4	.61	30	1	2	3	2	4
WC L17E 0+50S	57	15	170	.1	3.19	37	1	4	2	1	1
WC L17E 1+00S	76	22	211	.5	4.33	28	2	2	2	1	3
WC L17E 1+50S	65	25	286	.2	3.93	16	1	2	2	1	1
WC L17E 2+00S	47	23	189	.1	3.47	25	1	2	2	1	1
WC L18E 6+00N	40	30	95	.1	4.62	42	1	2	2	1	4
WC L18E 5+50N	37	21	52	.1	3.23	31	1	2	2	2	2
WC L18E 4+50N	73	16	50	.1	3.05	41	1	2	3	1	3
WC L18E 4+00N	56	11	28	.1	2.65	28	1	2	2	1	1
WC L18E 3+50N	70	19	49	.1	4.45	41	1	2	3	1	6
WC L18E 3+00N	54	18	62	.1	5.12	38	1	2	3	1	2
WC L18E 2+50N	64	31	84	.3	5.32	84	1	2	3	1	10
WC L18E 2+00N	41	32	84	.1	4.77	58	1	2	4	1	5
WC L18E 1+50N	40	27	66	.1	3.92	43	1	4	2	1	4
STD C/AU-S	60	38	132	7.0	3.97	42	18	18	22	13	50

092103

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
WC L18E 1+00N	99	23	67	.1	6.30	119	1	3	2	1	8
WC L18E 0+50N	145	10	61	.1	5.63	190	1	2	2	1	11
WC L18E 0+00	32	3	95	.2	1.91	25	1	2	2	1	2
WC L18E 0+50S	41	16	123	.1	2.70	24	1	3	2	1	1
WC L18E 1+00S	72	29	318	.1	4.50	38	1	5	2	1	2
WC L18E 1+50S	19	9	81	.2	1.90	10	1	4	2	1	1
WC L18E 2+00S	34	14	77	.1	3.30	17	1	2	2	1	2
WC L19E 6+00N	47	34	78	.1	4.32	44	1	2	2	1	1
WC L19E 5+50N	43	14	55	.1	3.61	35	1	2	2	1	1
WC L19E 4+50N	41	15	37	.1	2.73	22	1	2	2	1	3
WC L19E 4+00N	59	36	87	.1	5.30	35	1	2	3	1	1
WC L19E 3+50N	31	15	32	.1	3.41	25	1	2	2	1	2
WC L19E 3+00N	35	6	12	.1	1.43	15	1	2	2	2	2
WC L19E 2+50N	57	32	86	.1	5.20	54	1	2	2	1	5
WC L19E 2+00N	49	40	77	.1	4.37	86	1	2	2	1	1
WC L19E 1+50N	47	45	99	.1	4.87	51	1	2	2	1	2
WC L19E 1+00N	91	26	71	.3	5.07	55	1	2	2	1	1
WC L19E 0+50N	59	20	81	.1	4.34	78	1	2	2	1	2
WC L19E 0+00	72	30	131	.3	5.31	50	1	3	3	1	2
WC L19E 0+50S	20	13	42	.1	1.74	16	1	2	2	1	1
WC L19E 1+00S	29	25	126	.1	3.19	23	1	2	2	1	3
WC L19E 1+50S	18	9	74	.1	2.42	17	1	2	2	1	2
WC L19E 2+00S	41	13	70	.1	3.83	17	1	2	2	2	1
WC L20E 6+00N	43	41	82	.1	3.88	51	1	2	2	1	2
WC L20E 5+50N	36	26	56	.1	4.25	59	1	2	2	1	56
WC L20E 5+00N	60	27	69	.1	4.59	75	1	2	2	1	2
WC L20E 4+50N	35	12	35	.1	2.90	33	1	2	2	1	3
WC L20E 4+00N	54	12	42	.1	3.43	26	1	2	2	1	4
WC L20E 3+50N	56	17	75	.1	5.60	39	1	2	2	1	1
WC L20E 3+00N	90	44	106	.3	4.44	66	1	2	2	1	1
WC L20E 2+50N	78	46	136	.6	6.16	84	1	2	2	1	1
WC L20E 2+00N	45	46	93	.3	4.09	52	1	2	2	1	2
WC L20E 1+50N	125	62	107	.5	6.48	114	1	4	2	1	1
WC L20E 1+00N	68	27	94	.3	4.60	67	1	2	2	1	1
WC L20E 0+50N	45	29	83	.1	3.12	44	1	5	2	1	2
WC L21E 6+00N	104	60	126	.5	5.74	77	1	2	2	2	2
STD C/AU-S	60	38	128	7.1	3.92	40	17	17	21	12	54

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SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
WC L21E 5+50N	48	30	85	.1	4.28	50	1	2	2	1	1
WC L21E 4+50N	63	35	95	.2	5.41	78	1	2	2	1	3
WC L21E 4+00N	17	10	39	.1	2.42	25	1	2	3	2	1
WC L21E 3+50N	73	33	85	.1	4.82	56	1	2	2	1	1
WC L21E 3+00N	71	53	109	.3	5.66	72	1	2	2	1	4
WC L21E 2+50N	57	43	122	.1	5.37	74	1	2	2	1	1
WC L21E 2+00N	106	73	143	.4	6.42	173	1	7	2	1	6
WC L21E 1+50N	69	45	94	.1	4.69	62	1	2	2	1	1
WC L21E 1+00N	40	40	110	.1	4.15	55	1	2	2	1	1
WC L21E 0+50N	63	84	144	.4	5.21	122	1	5	2	1	2
WC L22E 4+50N	41	29	88	.3	4.19	39	1	2	2	1	1
WC L22E 4+00N	40	23	72	.1	3.77	44	1	2	2	2	1
WC L22E 3+50N	60	31	76	.2	4.63	55	1	2	2	1	1
WC L22E 3+00N	26	20	59	.1	1.77	25	1	2	2	1	1
WC L22E 2+50N	54	42	125	.2	4.53	66	1	2	2	1	3
WC L22E 2+00N	49	153	229	.6	4.57	307	1	2	2	1	3
WC L22E 1+50N	45	80	149	.2	3.28	165	1	2	2	1	1
WC L22E 1+00N	37	120	158	.2	4.56	238	1	4	2	1	1
WC L22E 0+50N	43	37	106	.3	4.24	56	1	2	2	1	1
WC L23E 4+50N	18	23	41	.1	1.17	21	1	2	3	2	1
WC L23E 4+00N	64	74	123	.7	3.75	44	1	2	2	1	2
WC L23E 3+50N	37	39	110	.1	3.65	36	1	5	2	1	1
WC L23E 3+00N	31	57	93	.1	3.48	41	1	2	2	1	1
WC L23E 2+50N	51	56	117	.3	5.29	65	1	3	2	1	3
STD C/AU-S	60	42	125	7.3	3.94	42	18	17	21	13	48
WC L23E 2+50N A	28	39	89	.1	2.95	34	1	3	2	1	1
WC L23E 2+00N	21	19	51	.1	1.91	14	1	2	3	3	1
WC L23E 1+50N	39	78	157	.4	3.86	34	2	3	2	1	2
WC L23E 1+00N	43	31	172	.3	4.05	23	1	3	2	1	1
WC L23E 0+50N	43	199	89	.3	5.12	66	1	2	2	1	1
WC L24E 4+50N	22	28	102	.1	2.85	20	1	2	2	1	1
WC L24E 4+00N	29	36	74	.1	2.33	22	1	2	2	1	1
WC L24E 3+50N	52	68	115	.3	5.24	48	1	2	2	1	1
WC L24E 3+00N	43	59	143	.2	5.45	39	1	4	2	1	2
WC L24E 2+50N	36	54	124	.1	4.40	42	1	2	2	1	2
WC L24E 2+00N	42	37	112	.1	4.83	39	1	2	2	1	1
WC L24E 1+50N	40	30	84	.2	4.86	29	1	2	2	1	1

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
WC L24E 1+00N	42	183	145	.8	4.30	34	1	2	2	1	1
WC L24E 0+50N	39	85	74	.3	4.25	33	1	2	2	1	2
WC L25E 4+50N	43	49	85	.4	4.01	30	1	2	2	1	1
WC L25E 4+00N	53	79	134	.6	5.50	51	2	2	3	1	2
WC L25E 3+50N	45	62	106	.3	4.17	38	1	2	2	1	1
WC L25E 3+00N	49	121	154	.8	4.95	79	1	3	2	1	1
WC L25E 2+00N	40	29	72	.3	3.85	27	1	2	2	2	1
WC L25E 1+50N	31	31	58	.5	3.48	23	1	2	2	3	2
WC L25E 1+00N	56	93	133	.7	4.76	45	1	2	2	1	3
WC L25E 0+50N	45	83	68	.4	4.84	41	1	3	2	3	4
WC L26E 6+00N	55	49	116	.2	6.28	29	2	2	2	1	1
WC L26E 5+50N	53	49	104	.3	6.10	29	2	2	2	1	1
WC L26E 4+50N	64	112	206	.5	5.82	61	2	2	3	1	4
WC L26E 4+00N	87	73	156	.6	5.90	111	1	2	2	1	1
WC L26E 3+50N	54	53	102	.3	4.59	39	1	2	2	2	4
WC L26E 3+00N	53	94	125	.5	4.98	82	1	2	2	2	2
WC L26E 2+50N	50	99	180	.6	4.82	86	1	2	2	1	5
WC L26E 2+00N	51	30	87	.3	4.54	31	1	2	2	2	1
WC L26E 1+50N	26	41	59	.4	2.97	23	1	2	2	3	2
WC L26E 1+00N	56	84	157	.6	4.70	58	1	2	2	1	4
WC L26E 0+50N	48	67	75	.4	4.92	33	1	2	2	3	1
WC L27E 6+00N	51	40	121	.2	5.10	74	1	2	2	1	5
WC L27E 5+50N	72	125	196	.5	5.54	68	2	2	2	1	1
WC L27E 4+50N	66	165	255	.6	6.38	107	3	3	2	1	3
WC L27E 4+00N	118	219	481	.9	8.16	305	3	3	3	1	26
WC L27E 3+50N	56	32	57	.5	5.15	31	1	2	2	2	2
WC L27E 3+00N	32	33	51	.3	3.57	21	1	2	2	2	1
WC L27E 2+50N	35	39	83	.3	3.70	27	1	2	2	3	1
WC L27E 2+00N	44	34	110	.1	3.38	24	1	2	2	4	1
WC L27E 1+50N	19	36	68	.3	2.29	18	1	3	3	4	2
WC L27E 1+00N	64	53	181	.5	4.92	33	1	2	2	1	3
WC L27E 0+50N	36	20	38	.3	3.44	19	1	4	2	4	2
WC L28E 6+50N	59	26	89	.1	5.76	26	1	2	2	1	1
WC L28E 6+00N	73	45	127	.1	6.14	54	1	2	2	1	3
WC L28E 5+50N	74	42	141	.2	5.51	59	1	2	2	1	4
WC L28E 4+50N	50	34	241	.3	4.17	34	1	5	2	4	2
STD C/AU-S	61	38	132	7.0	3.89	44	17	16	22	14	52

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SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
WC L28E 4+00N	113	357	554	2.0	5.71	91	1	6	2	1	1
WC L28E 3+50N	79	36	199	.2	6.37	38	2	5	2	1	1
WC L28E 3+00N	66	53	168	.4	7.05	34	1	6	2	1	3
WC L28E 2+50N	84	28	124	.3	7.16	44	1	4	2	1	1
WC L28E 2+00N	59	23	127	.5	6.04	27	1	2	2	1	1
WC L28E 1+50N	32	25	93	.6	3.86	13	1	4	2	1	1
WC L28E 1+00N	68	28	137	.4	5.15	29	1	2	2	1	1
WC L28E 0+50N	179	25	439	.3	7.64	29	3	3	3	1	1
WC L29E 6+50N	88	50	203	.6	5.89	40	1	5	2	1	1
WC L29E 6+00N	75	57	185	.3	7.38	48	1	4	2	1	1
WC L29E 5+50N	115	54	173	.5	8.24	34	1	4	2	1	1
WC L29E 4+00N	39	32	178	.6	4.93	74	1	8	2	4	3
WC L29E 3+50N	32	25	152	.3	4.10	54	1	2	2	1	4
WC L29E 3+00N	152	53	687	3.6	6.82	59	3	10	2	3	1
WC L29E 2+50N	84	43	364	.7	5.75	33	1	7	2	1	1
WC L29E 2+00N	100	29	225	.1	6.44	32	1	4	2	1	5
WC L30E 7+00N	60	31	93	.2	5.70	303	1	3	2	1	24
WC L30E 6+50N	51	33	85	.3	5.19	93	1	5	2	1	13
WC L30E 6+00N	50	37	76	.3	5.78	76	1	5	2	1	1
WC L30E 5+50N	75	34	141	.9	6.39	117	1	7	2	1	14
WC L30E 4+50N	150	54	277	1.1	7.75	57	2	9	2	1	1
WC L30E 4+00N	238	41	487	2.1	6.07	48	7	11	2	2	1
WC L30E 3+50N	160	49	416	1.9	5.03	45	5	8	2	4	1
WC L30E 3+00N	214	50	485	2.2	7.76	68	5	13	2	2	1
WC L30E 2+00N	98	94	195	1.1	9.96	63	1	14	2	2	1
WC L30E 1+00N	105	78	318	1.0	5.46	30	1	13	2	3	1
WC L31E 7+00N	121	26	80	.2	5.37	125	1	5	2	2	10
WC L31E 6+50N	110	33	109	.5	6.79	54	1	7	2	1	1
WC L31E 6+00N	83	36	86	.3	7.12	95	1	10	2	1	1
WC L31E 5+50N	65	23	97	.2	5.11	38	1	3	2	1	1
WC L31E 4+50N	48	18	99	.2	3.97	13	1	2	2	1	1
WC L31E 4+00N	34	42	44	.7	4.75	59	1	5	2	2	16
WC L31E 3+50N	283	75	315	1.8	11.10	76	2	11	2	1	1
WC L31E 3+00N	154	44	385	1.8	5.62	50	2	12	2	1	1
WC L31E 2+50N	173	61	452	2.8	6.55	49	3	11	2	3	1
WC L31E 2+00N	194	63	500	2.1	6.71	54	5	8	2	2	3
STD C/AU-S	58	38	130	6.8	3.87	40	17	17	21	13	52

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SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
WC L32E 7+00N	100	19	53	.2	5.37	51	1	2	2	1	3
WC L32E 6+50N	94	18	44	.2	5.23	45	1	2	2	2	1
WC L32E 6+00N	75	29	59	.3	4.83	40	1	2	2	2	3
WC L32E 5+50N	44	13	23	.2	3.19	26	1	2	2	4	4
WC L32E 4+50N	60	27	71	.3	4.33	17	1	6	2	1	1
WC L32E 3+50N	92	47	155	.3	6.32	17	1	2	2	1	1
WC L32E 3+00N	149	75	173	.5	5.71	20	2	2	2	1	1
WC L32E 2+50N	153	48	602	1.3	5.29	39	8	9	2	1	1
WC L32E 2+00N	70	41	141	.9	4.47	29	1	7	2	1	1
WC L33E 7+50N	97	58	104	.2	6.18	27	1	2	2	1	1
WC L33E 7+00N	129	74	60	.5	10.66	45	1	4	2	1	1
WC L33E 6+50N	61	18	29	.3	5.95	112	1	3	2	1	5
WC L33E 6+00N	198	19	22	.4	11.97	51	1	2	2	2	1
WC L33E 5+50N	59	32	80	.3	5.52	52	1	2	2	1	3
WC L33E 4+50N	42	34	66	.2	3.71	22	1	2	2	1	1
WC L33E 4+00N	52	36	103	.5	4.22	21	1	4	2	1	1
WC L33E 3+50N	34	21	46	.2	2.39	11	1	2	2	4	1
WC L33E 2+90N	79	47	201	.6	5.28	19	3	2	2	1	1
WC L33E 2+50N	48	25	186	.5	5.94	20	2	2	2	1	1
WC L33E 2+00N	55	37	116	.8	3.26	20	2	4	2	1	1
WC L33E 1+50N	34	20	280	.4	1.20	8	7	4	2	1	1
WC L34E 7+00N	98	18	47	.2	4.20	32	1	2	2	2	1
WC L34E 6+50N	76	18	47	.1	4.53	33	1	2	2	2	1
WC L34E 6+00N	155	19	49	.1	3.87	26	1	2	2	2	1
WC L34E 5+50N	222	24	76	.3	4.31	35	1	5	2	2	1
WC L34E 4+50N	80	35	337	.7	3.94	28	3	4	2	1	1
WC L34E 4+00N	172	56	724	1.1	5.05	40	11	7	2	1	1
WC L34E 3+50N	151	55	527	1.1	4.30	32	6	5	2	1	1
WC L34E 3+00N	134	86	282	1.7	5.67	44	2	9	2	1	1
WC L34E 2+50N	126	96	267	1.6	6.13	54	2	7	2	1	1
WC L34E 2+00N	138	114	374	1.7	5.18	47	5	5	2	1	1
WC L35E 9+50N	45	11	21	.1	4.40	71	1	2	3	2	1
WC L35E 9+00N	95	77	160	.5	5.40	98	1	2	2	1	1
WC L35E 8+50N	63	42	95	.3	2.95	59	1	2	2	1	1
WC L35E 8+00N	87	70	147	.5	5.01	80	1	3	2	1	1
WC L35E 7+50N	45	38	99	.3	4.90	24	1	2	2	1	1
STD C/AU-S	60	39	127	7.0	3.76	39	19	17	21	13	54

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
WC L35E 7+00N	48	24	46	.1	3.39	30	2	2	2	2	1
WC L35E 6+50N	85	33	105	.1	5.92	30	1	5	2	1	1
WC L35E 6+00N	98	51	113	.2	5.91	27	1	5	2	3	1
WC L35E 5+50N	68	33	94	.1	5.18	33	1	4	2	1	2
WC L35E 4+50N	376	185	57	1.2	4.86	130	1	7	2	1	4
WC L35E 4+00N	177	59	111	.7	5.36	74	3	6	2	1	2
WC L35E 3+50N	259	142	204	1.2	6.83	99	5	8	2	1	6
WC L35E 3+00N	107	71	202	.4	5.82	48	2	8	2	1	1
WC L35E 2+50N	129	134	267	.9	5.91	91	5	7	2	1	3
WC L35E 2+00N	162	43	116	.4	5.02	33	3	5	3	1	1
WC L35E 1+50N	92	54	197	.5	5.90	25	3	4	2	1	1
WC L35E 1+00N	91	41	210	.8	4.79	30	2	6	2	2	4
WC L36E 9+50N	38	23	80	.1	4.29	31	1	2	2	1	1
WC L36E 9+00N	54	35	86	.2	5.12	31	2	3	2	1	2
WC L36E 8+50N	28	20	54	.1	3.08	21	1	2	3	1	1
WC L36E 8+00N	58	38	68	.1	5.09	42	1	2	3	1	1
WC L36E 7+50N	77	41	85	.1	6.44	53	1	2	2	1	1
WC L36E 7+00N	67	55	102	.1	5.78	24	1	3	2	1	1
WC L36E 6+50N	59	38	85	.2	5.84	34	1	3	2	1	2
WC L36E 6+00N	68	27	94	.1	5.80	31	1	2	2	2	1
WC L36E 5+50N	77	146	104	.2	5.65	75	1	2	2	1	1
WC L36E 4+50N	84	268	68	1.0	6.23	78	1	5	2	1	6
WC L36E 4+00N	43	24	56	.2	3.57	18	1	6	2	3	1
WC L36E 3+50N	118	89	172	.4	6.18	40	1	7	2	1	1
WC L36E 3+00N	119	97	181	.5	5.99	40	1	7	2	1	1
WC L36E 2+50N	94	36	155	.4	5.38	29	3	6	2	2	2
WC L36E 2+00N	88	39	117	.4	6.10	41	1	5	2	1	2
WC L36E 1+50N	135	62	236	.8	5.71	42	2	8	2	1	4
WC L36E 1+00N	164	41	325	.8	5.66	32	3	8	2	1	2
WC L36E 0+50N	80	21	150	.5	4.59	17	1	5	2	1	1
WC L37E 9+50N	58	40	117	.3	4.01	25	1	3	2	1	1
WC L37E 9+00N	56	44	106	.2	3.77	23	1	2	3	1	1
WC L37E 8+50N	70	51	116	.4	5.07	34	2	5	2	1	1
WC L37E 8+00N	59	41	101	.3	4.41	28	1	4	2	1	1
WC L37E 7+50N	65	45	171	.1	4.75	31	1	5	2	1	2
WC L37E 7+00N	83	56	133	.2	5.19	34	1	4	2	1	1
WC L37E 6+50N	90	58	151	.5	5.13	33	1	4	2	1	1
STD C/AU-S	62	39	135	7.0	4.12	39	18	18	22	13	46

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
WC L37E 6+00N	104	62	159	.3	5.58	38	1	7	2	1	2
WC L37E 5+50N	96	43	174	.1	5.05	37	1	5	2	1	1
WC L37E 5+00N	111	49	185	.3	5.35	36	2	6	2	1	1
WC L37E 4+50N	94	53	128	.1	5.32	40	1	5	2	1	1
WC L37E 4+00N	85	40	77	.2	4.38	36	1	5	2	1	1
WC L37E 3+50N	28	12	31	.1	3.04	46	1	2	2	2	1
WC L37E 3+00N	47	28	54	.4	9.58	270	1	2	3	1	55
WC L37E 2+00N	100	65	215	.6	4.85	29	3	6	2	1	1
WC L37E 1+50N	132	61	274	1.0	5.82	51	6	7	2	1	3
WC L37E 1+00N	130	57	250	.6	5.68	46	2	7	2	1	1
WC L37E 0+50N	130	49	257	.7	5.37	40	4	5	2	1	1
WC L38E 9+50N	43	38	100	.1	4.25	31	1	2	2	1	1
WC L38E 9+00N	48	45	98	.2	4.94	44	1	2	2	1	1
WC L38E 8+50N	28	39	84	.1	4.01	37	1	2	2	1	1
WC L38E 8+00N	30	26	69	.1	2.98	32	2	2	2	1	1
WC L38E 7+50N	32	25	70	.1	3.09	30	2	2	2	1	1
WC L38E 7+00N	20	22	42	.1	1.17	11	1	2	2	1	1
WC L38E 6+50N	15	16	29	.1	.88	8	1	2	2	1	1
WC L38E 6+00N	78	116	78	.2	5.46	63	2	3	2	1	1
WC L38E 5+50N	98	49	97	.1	5.75	62	1	2	2	1	1
WC L38E 4+50N	44	27	82	.2	4.20	15	1	2	2	1	1
WC L38E 4+00N	55	26	79	.2	4.18	16	1	6	2	1	1
WC L38E 3+50N	86	28	65	.2	5.81	124	1	5	2	1	1
WC L38E 2+50N	132	117	168	.8	7.18	61	4	9	2	1	8
WC L38E 2+00N	41	40	108	.3	4.54	29	1	4	2	1	2
WC L38E 1+50N	84	48	180	.3	4.61	31	2	2	2	1	1
WC L38E 1+00N	83	38	152	.4	4.55	27	2	5	2	1	1
WC L38E 0+50N	68	25	116	.3	4.01	19	1	2	2	1	1
WC L39E 9+50N	38	26	93	.2	2.90	20	2	2	2	1	1
WC L39E 9+00N	39	38	88	.1	3.92	34	2	3	2	1	2
WC L39E 8+50N	49	34	101	.2	3.99	36	1	2	2	1	1
WC L39E 8+00N	54	38	111	.2	4.69	43	2	2	2	1	1
WC L39E 7+50N	52	36	116	.2	4.23	34	1	2	2	1	1
WC L39E 7+00N	51	40	102	.1	4.15	44	2	2	3	1	2
WC L39E 6+50N	53	36	91	.4	4.03	39	3	2	2	1	1
WC L39E 6+00N	90	42	73	.5	5.57	42	2	2	2	1	1
STD C/AU-S	61	38	131	7.3	3.98	38	18	18	22	13	52

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
WC L39E 5+50N	60	42	63	.1	4.70	30	1	2	2	1	1
WC L39E 4+50N	38	19	42	.3	3.58	17	1	2	2	4	1
WC L39E 4+00N	107	56	72	.4	6.25	68	1	4	2	1	3
WC L39E 3+50N	99	84	129	.5	6.32	44	1	2	2	1	1
WC L39E 3+00N	102	51	159	.5	5.51	37	1	2	2	1	2
WC L39E 2+50N	101	35	74	.1	6.55	65	2	2	2	1	2
WC L39E 2+00N	111	33	66	.4	6.51	83	1	2	2	1	1
WC L39E 1+00N	38	14	58	.2	3.37	10	1	2	2	1	1
WC L39E 0+50N	37	12	57	.1	3.28	10	1	2	2	1	1
WC L40E 9+50N	62	58	88	.5	4.02	29	1	3	2	1	1
WC L40E 9+00N	57	33	103	.2	4.11	34	1	2	2	1	1
WC L40E 8+50N	24	14	60	.1	2.08	17	1	2	2	1	1
WC L40E 8+00N	57	36	93	.1	4.20	24	1	2	2	1	1
WC L40E 7+50N	32	10	91	.1	1.98	14	1	2	2	1	1
WC L40E 7+00N	45	19	86	.1	3.36	20	1	2	2	1	3
WC L40E 6+00N	36	11	64	.1	3.70	15	1	3	2	3	1
WC L40E 5+50N	57	18	92	.2	4.33	21	1	2	2	1	1
WC L40E 5+00N	71	34	120	.3	4.75	31	1	2	2	1	1
WC L40E 4+50N	51	23	95	.1	4.05	20	1	2	2	1	2
WC L40E 4+00N	53	19	101	.1	4.10	23	1	2	2	1	1
WC L40E 3+50N	64	23	80	.1	4.06	26	1	2	2	1	3
WC L40E 3+00N	61	25	83	.3	3.97	24	1	2	2	3	1
WC L40E 2+50N	62	19	97	.1	4.04	24	1	2	2	1	2
WC L40E 2+00N	66	19	105	.2	4.24	18	1	2	2	1	1
WC L40E 1+50N	61	13	82	.1	4.14	27	1	2	2	1	2
WC L40E 1+00N	56	13	75	.2	3.67	31	1	2	2	1	2
WC L40E 0+50N	56	19	84	.1	3.94	32	1	2	2	2	1
WC L41E 9+50N	54	64	120	.2	5.19	47	1	2	2	1	1
WC L41E 9+00N	18	17	32	.1	1.32	10	1	2	2	1	1
WC L41E 8+50N	19	18	51	.1	1.89	10	1	3	2	2	1
WC L41E 8+00N	33	35	70	.1	3.43	25	1	2	2	1	1
WC L41E 7+50N	11	17	50	.1	1.18	8	1	2	3	1	1
WC L41E 7+00N	44	82	65	.2	2.65	43	1	2	2	1	1
WC L41E 6+50N	47	50	86	.2	3.29	34	1	2	2	1	1
WC L41E 6+00N	40	69	70	.2	2.67	46	1	2	2	1	2
WC L41E 5+50N	48	89	92	.4	3.77	59	1	3	2	1	1
STD C/AU-S	61	37	128	7.2	4.07	40	19	18	21	12	-

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SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
WC L41E 4+50N	81	194	117	1.1	5.92	96	1	8	2	1	6
WC L41E 4+00N	100	188	113	1.0	5.27	108	1	9	2	1	8
WC L41E 3+50N	90	128	97	.8	5.98	53	1	5	2	1	1
WC L41E 3+00N	66	61	65	.5	4.67	35	1	4	2	2	1
WC L41E 2+50N	76	196	86	1.3	4.88	115	1	7	2	1	7
WC L41E 2+00N	84	196	150	1.1	6.11	166	1	7	2	1	3
WC L41E 1+50N	71	103	136	.6	5.17	43	1	6	2	1	1
WC L41E 1+00N	62	52	138	.5	5.07	27	1	8	2	1	2
WC L41E 0+50N	101	41	166	.5	5.20	41	1	9	2	1	2
WC L42E 9+50N	35	32	83	.1	3.89	37	1	3	3	1	1
WC L42E 9+00N	49	71	112	.2	4.11	55	1	3	2	1	4
WC L42E 8+50N	35	47	68	.2	2.93	36	1	2	2	1	2
WC L42E 8+00N	32	31	90	.3	3.13	27	1	2	2	1	2
WC L42E 7+50N	146	42	116	.4	6.32	42	1	3	3	1	2
WC L42E 7+00N	46	41	111	.3	3.54	22	1	4	2	1	1
WC L42E 6+50N	39	33	108	.2	4.24	27	1	3	2	1	1
WC L42E 6+00N	16	24	53	.1	1.75	10	1	2	3	1	1
WC L42E 5+50N	22	42	71	.2	2.93	14	1	2	2	1	1
WC L42E 4+50N	53	76	349	.7	5.20	33	2	10	2	3	1
WC L42E 4+00N	69	135	173	.6	5.25	65	1	14	2	3	5
WC L42E 2+50N	107	166	127	1.1	5.10	184	1	5	2	1	8
WC L42E 2+00N	141	452	107	2.4	6.89	761	1	10	2	1	32
WC L42E 1+70N	100	213	114	.9	5.83	294	1	10	2	3	8
WC L42E 1+00N	65	72	202	1.1	6.43	45	1	9	2	1	1
WC L42E 0+50N	106	33	189	.4	6.03	44	1	6	2	1	2
WC L43E 9+50N	50	105	191	.6	4.12	55	1	4	2	1	1
WC L43E 9+00N	46	48	103	.1	3.43	35	1	2	2	1	2
WC L43E 8+50N	31	31	81	.2	3.88	27	1	2	3	1	2
WC L43E 8+00N	20	31	77	.2	2.37	14	1	2	3	1	1
WC L43E 7+50N	34	46	105	.2	3.64	20	1	5	2	1	1
WC L43E 7+00N	32	52	60	.2	2.79	16	1	4	2	1	1
WC L43E 6+50N	40	91	96	.2	4.46	25	1	6	2	1	1
WC L43E 6+00N	38	55	87	.1	4.25	18	1	4	2	1	1
WC L43E 5+50N	64	66	91	.2	5.37	23	1	9	2	1	3
WC L43E 4+50N	65	80	82	.7	5.44	23	1	14	2	2	1
WC L43E 4+00N	66	364	255	1.5	5.81	52	2	11	2	2	3
STD C/AU-S	61	42	131	7.1	3.84	39	18	17	21	14	47

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SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
WE L43E 3+50N	75	40	105	.1	5.78	19	1	14	2	1	2
WE L43E 3+00N	82	40	101	.3	5.49	24	2	2	2	1	2
WE L43E 2+50N	78	39	63	.1	5.29	27	1	2	2	1	1
WE L43E 2+00N	100	119	109	.9	6.09	99	3	5	2	1	9
WE L43E 1+50N	28	57	38	.5	3.69	28	2	2	2	3	1
WE L43E 1+00N	185	250	141	1.7	8.78	203	2	7	2	1	8
WE L43E 0+50N	88	73	155	.5	5.52	68	4	6	2	1	8
WE L44E 9+50N	41	62	104	.4	3.81	38	4	2	3	1	1
WE L44E 9+00N	49	93	123	.7	4.56	47	5	2	2	1	1
WE L44E 8+50N	22	32	78	.2	3.04	34	5	2	2	1	1
WE L44E 8+00N	51	39	104	.4	4.97	52	2	2	2	1	2
WE L44E 7+50N	35	31	98	.4	4.61	40	3	2	2	1	1
WE L44E 7+00N	43	41	106	.1	4.66	40	1	4	2	1	1
WE L44E 6+50N	43	33	110	.1	4.54	30	1	4	2	1	1
WE L44E 6+00N	76	69	126	.3	4.75	50	1	2	2	1	3
WE L44E 4+00N	70	25	98	.2	5.38	30	1	7	2	1	2
WE L44E 3+60N	151	52	106	.2	7.36	29	1	6	2	1	3
WE L44E 3+00N	39	24	72	.3	4.70	17	2	2	2	1	2
WE L44E 2+50N	82	70	91	.2	7.04	84	2	3	2	1	5
WE L44E 2+00N	46	18	38	.1	5.38	61	2	3	2	1	3
WE L44E 1+50N	77	78	81	.6	5.26	43	1	2	2	1	1
WE L44E 1+00N	67	112	123	.9	5.26	97	3	4	2	1	6
WE L44E 0+50N	87	144	120	1.2	5.81	93	3	5	2	1	5
87 BS 670	43	165	211	1.2	5.27	52	3	6	2	1	1
87 BS 679	41	30	89	.1	5.14	15	2	2	2	1	1
87 BS 681	33	29	86	.1	4.38	21	2	2	2	1	1
87 CS 327	24	45	246	.6	2.73	18	1	6	2	1	1
87 DS 84	35	47	77	.2	5.15	63	3	2	2	1	1
STD C/AU-S	61	39	131	7.4	3.93	42	17	17	20	12	48

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SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
WC BL 5+00N 9+50E	73	248	161	.7	4.02	33	1	3	2	1	1
WC BL 5+00N 10+50E	43	31	62	.1	4.79	35	2	2	2	1	5
WC BL 5+00N 11+00E	51	42	54	.1	4.94	58	1	2	2	1	12
WC BL 5+00N 11+50E	66	63	75	.2	5.22	89	1	4	2	1	5
WC BL 5+00N 12+00E	33	32	39	.2	7.45	86	1	3	2	1	12
WC BL 5+00N 12+50E	71	29	72	.1	5.96	26	1	2	2	1	5
WC BL 5+00N 13+00E	83	21	63	.1	6.45	31	1	4	2	1	4
WC BL 5+00N 13+50E	90	24	46	.1	6.96	37	1	3	2	1	6
WC BL 5+00N 14+00E	58	16	44	.1	6.43	38	1	2	2	1	3
WC BL 5+00N 14+50E	62	25	72	.1	6.28	45	1	4	2	1	6
WC BL 5+00N 15+00E	48	20	68	.1	5.24	25	3	2	2	1	2
WC BL 5+00N 15+50E	110	102	141	.1	8.42	158	2	2	2	1	10
WC BL 5+00N 16+00E	80	40	112	.3	6.65	61	3	2	2	1	9
WC BL 5+00N 16+50E	45	31	65	.1	4.26	112	3	2	2	1	7
WC BL 5+00N 17+00E	51	49	86	.1	4.73	85	1	2	2	1	8
WC BL 5+00N 17+50E	58	28	85	.1	5.23	52	3	2	2	1	4
WC BL 5+00N 18+00E	63	35	90	.1	5.64	52	3	2	2	1	2
WC BL 5+00N 18+50E	35	14	29	.1	1.98	33	3	2	2	1	1
WC BL 5+00N 19+00E	36	22	65	.1	4.31	33	4	2	2	1	1
WC BL 5+00N 19+00E A	44	14	57	.1	3.89	28	3	2	2	1	1
WC BL 5+00N 21+00E	57	39	94	.1	5.65	60	2	2	2	1	2
WC BL 5+00N 22+00E	102	137	173	.6	5.99	170	2	7	2	1	5
WC BL 5+00N 23+00E	32	30	67	.1	3.07	35	2	3	2	1	1
WC BL 5+00N 24+00E	14	13	50	.1	1.94	9	1	2	2	1	1
WC BL5+00N 25+00E	63	144	209	.4	6.68	74	3	2	2	1	3
WC BL 5+00N 25+00E A	43	56	102	.1	5.27	34	1	3	2	1	1
WC BL 5+00N 26+00E	62	205	262	.6	6.31	159	4	4	2	1	6
WC BL 5+00N 27+00E	77	371	384	.8	7.87	260	5	6	2	1	9
WC BL 5+00N 28+00E	63	36	178	.2	5.61	36	2	3	2	1	2
WC BL 5+00N 29+00E	119	51	172	.1	7.94	45	1	4	2	1	4
WC BL 5+00N 30+00E	65	311	108	1.3	8.76	288	1	13	2	1	29
WC BL 5+00N 30+50E	67	29	104	.2	5.29	36	1	9	2	1	2
WC BL 5+00N 31+00E	84	24	111	.1	6.66	31	1	5	2	1	1
WC BL 5+00N 31+50E	53	23	86	.2	4.99	47	1	5	2	1	1
WC BL 5+00N 32+00E	41	22	42	.2	4.01	23	1	3	2	1	2
WC BL 5+00N 32+50E	93	22	48	.2	7.81	36	1	3	2	1	1
STD C/AU-S	62	40	132	7.1	4.03	41	17	17	22	13	49

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SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
WC BL 5+00N 33+00E	60	27	53	.1	6.30	29	1	2	2	1	1
WC BL 5+00N 33+50E	86	28	43	.1	4.05	36	1	2	2	2	1
WC BL 5+00N 34+00E	116	48	291	.3	5.50	47	3	3	2	1	1
WC BL 5+00N 35+00E	55	27	65	.1	5.18	22	1	3	2	1	1
WC BL 5+00N 36+00E	64	34	59	.1	4.90	21	1	4	2	1	1
WC BL 5+00N 38+00E	103	34	79	.1	6.36	55	1	3	2	2	1
WC BL 5+00N 39+00E	79	28	60	.1	5.36	36	1	2	2	1	1
WC BL 5+00N 41+00E	75	67	136	.1	6.50	36	1	4	2	1	1
WC BL 5+00N 42+00E	72	231	304	.9	6.42	67	1	11	2	1	7
WC BL 5+00N 43+00E	67	47	88	.1	5.73	25	1	3	2	1	1
WC BL 5+00N 43+00E A	65	46	86	.1	5.72	25	1	5	2	2	1
WC BL 5+00N 44+00E	48	36	81	.1	4.91	31	1	5	2	2	3
WC BL 2+00N 0+00E	51	28	124	.2	3.86	20	1	4	4	1	1
WC 87 MS 113	40	38	133	.1	4.20	37	1	3	2	1	1

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ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEC. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1-6 SOIL P7-8 ROCK AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: OCT 19 1987 DATE REPORT MAILED: Nov 2/87 ASSAYER. D. Toye ..DEAN TOYE, CERTIFIED B.C. ASSAYER

BRIAN V. HALL PROJECT-WHITE CREEK File # 87-5100 Page 1

SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
WC L6W 2+50S	74	21	249	1.0	3.36	26	1	4	2	3	3
WC L6W 3+00S	29	27	443	.5	3.17	19	3	2	2	2	1
WC L6W 3+50S	32	42	163	.5	7.26	35	1	2	2	1	1
STD C/AU-S	61	40	131	7.4	4.04	42	18	17	19	13	47
WC L6W 4+00S	32	44	191	.6	4.97	19	1	2	2	1	1
WC L6W 4+50S	28	28	219	.6	3.69	20	1	2	2	1	2
WC L6W 5+00S	41	24	150	.5	3.76	15	1	2	2	1	1
WC L6W 5+50S	22	26	126	.5	3.61	16	1	3	2	1	4
WC L6W 6+00S	24	11	49	.3	2.64	21	1	2	2	2	2
WC L6W 6+50S	17	68	153	.3	5.29	24	1	5	2	1	1
WC L6W 7+00S	12	13	50	.1	1.31	4	1	2	2	2	4
WC L6W 7+50S	25	24	167	.3	2.24	12	1	2	2	1	3
WC L6W 8+00S	25	24	160	.4	2.49	16	1	2	2	1	1
WC L6W 8+50S	29	39	246	.5	3.07	21	1	2	2	1	4
WC L6W 9+00S	25	28	165	.6	3.15	12	1	2	2	1	1
WC L5W 2+50S	78	33	296	.8	4.22	39	2	2	2	1	1
WC L5W 3+00S	47	27	326	.8	3.49	20	3	2	2	2	1
WC L5W 3+50S	21	11	193	.2	1.22	9	3	2	2	1	1
WC L5W 4+00S	41	37	210	.4	3.89	24	1	2	2	1	3
WC L5W 4+50S	24	23	167	.3	3.20	13	1	2	2	1	1
WC L5W 5+00S	32	38	137	.4	3.52	38	1	2	2	1	1
WC L5W 5+50S	27	24	122	.4	4.21	16	1	2	2	1	1
WC L5W 6+00S	14	12	72	.2	1.65	4	1	2	2	1	3
WC L5W 6+50S	17	34	181	.4	3.27	17	1	2	2	1	1
WC L5W 7+00S	27	49	259	.7	6.44	30	1	2	2	1	1
WC L5W 7+50S	41	35	198	.5	4.50	31	1	2	2	2	3
WC L5W 8+00S	21	26	327	.5	3.33	33	1	4	2	2	1
WC L5W 8+50S	33	40	380	.5	3.79	35	2	2	2	2	1
WC L5W 9+00S	19	34	269	.1	3.38	15	1	2	2	1	4
WC L4W 2+50S	43	26	169	.5	3.41	22	1	2	2	2	1
WC L4W 3+00S	49	23	237	.4	3.36	23	2	2	2	1	2
WC L4W 3+50S	141	25	1129	.9	5.06	63	9	7	2	2	1
WC L4W 4+00S	43	35	245	.3	4.22	30	1	2	2	1	1
WC L4W 4+50S	24	22	168	.6	3.30	14	1	2	2	2	1
WC L4W 5+00S	35	26	106	.2	2.80	14	1	2	2	1	1
WC L4W 5+50S	24	34	152	.2	3.53	19	1	2	2	1	1
WC L4W 6+00S	39	38	342	.7	3.79	52	1	2	2	2	1

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SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
W.C.L4W 6+50S	40	34	342	1.0	3.81	48	1	2	2	1	1
W.C.L4W 7+00S	11	245	308	1.2	3.32	11	1	2	2	1	3
W.C.L4W 7+50S	26	35	84	.6	2.57	24	1	2	2	1	1
W.C.L4W 8+00S	22	28	279	.9	1.36	33	1	3	2	1	1
W.C.L4W 8+50S	24	20	66	.5	3.59	10	1	3	2	1	1
W.C.L4W 9+00S	19	20	144	.4	2.28	9	1	2	2	1	1
STD C/AU-S	59	38	127	7.2	3.99	38	17	17	22	14	47
W.C.L3W 2+50S	93	20	143	1.0	4.62	51	1	5	2	1	1
W.C.L3W 3+00S	71	20	235	1.5	1.97	21	3	2	2	1	2
W.C.L3W 3+50S	65	45	173	.9	3.97	54	1	2	2	1	1
W.C.L3W 4+00S	31	31	180	.9	3.37	16	1	2	2	1	12
W.C.L3W 4+50S	24	31	162	.6	3.33	14	1	2	2	1	1
W.C.L3W 5+00S	48	15	95	.3	2.06	7	1	2	2	1	1
W.C.L3W 5+50S	31	22	146	.8	3.80	29	1	2	2	1	1
W.C.L3W 6+00S	54	55	163	.8	4.36	69	1	2	2	1	2
W.C.L3W 6+50S	32	44	295	1.0	7.16	46	1	2	2	1	1
W.C.L3W 7+00S	20	22	174	.6	8.03	22	1	2	2	1	1
W.C.L3W 7+50S	24	38	251	.6	5.25	62	1	2	2	1	1
W.C.L3W 8+00S	25	35	338	.7	4.00	33	1	2	2	1	2
W.C.L3W 8+50S	11	78	390	.8	1.29	12	1	2	2	1	1
W.C.L3W 9+00S	44	69	551	.8	3.90	87	2	2	2	1	1
W.C.L2W 2+50S	81	23	232	1.8	2.79	33	4	2	2	1	7
W.C.L2W 3+00S	41	19	150	1.2	2.31	17	1	2	2	1	1
W.C.L2W 3+50S	34	36	194	.5	4.14	21	1	2	2	1	3
W.C.L2W 4+00S	25	33	156	.9	4.20	16	1	2	2	1	4
W.C.L2W 4+50S	27	47	333	1.0	3.59	23	1	6	2	1	1
W.C.L2W 5+00S	76	24	113	.4	2.99	11	1	2	2	1	1
W.C.L2W 5+50S	37	24	106	.1	2.06	25	1	2	2	1	4
W.C.L2W 6+00S	38	38	242	1.1	3.62	26	1	4	2	1	1
W.C.L2W 6+50S	31	20	110	.5	2.44	15	1	2	2	1	3
W.C.L2W 7+00S	40	33	226	.5	3.73	24	1	2	2	1	1
W.C.L2W 7+50S	31	29	99	.4	2.57	27	1	2	2	1	1
W.C.L2W 8+00S	34	29	116	.5	2.21	27	1	2	2	1	1
W.C.L2W 8+50S	39	49	318	.5	3.40	39	1	2	2	1	4
W.C.L2W 9+00S	30	27	191	.6	2.07	23	1	2	2	1	1
W.C.L1W 2+50S	75	27	211	1.0	2.93	44	1	4	2	1	1
W.C.L1W 3+00S	58	39	114	.6	3.83	62	1	2	2	1	9

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SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
W.C.L1W 3+50S	27	34	156	.4	3.87	19	1	2	2	1	2
W.C.L1W 4+00S	42	27	111	.7	4.32	19	1	3	2	1	1
W.C.L1W 4+50S	21	60	357	1.0	3.03	28	1	6	2	1	1
STD C/AU-S	58	37	128	7.5	3.95	37	18	16	21	12	52
W.C.L1W 5+00S	48	73	453	1.0	3.48	43	1	17	2	3	1
W.C.L1W 5+50S	24	42	183	.6	3.00	19	1	9	2	1	1
W.C.L1W 6+00S	34	41	197	.7	3.36	30	1	4	2	1	1
W.C.L1W 6+50S	37	52	157	.9	11.87	98	1	2	2	1	1
W.C.L1W 7+00S	32	36	184	.5	3.64	34	1	2	2	1	2
W.C.L1W 7+50S	14	17	91	.3	3.12	5	1	2	2	1	1
W.C.L1W 8+00S	24	33	235	.5	3.07	26	1	2	2	1	2
W.C.L1W 8+50S	51	79	845	.7	6.62	123	4	5	2	2	1
W.C.L1W 9+00S	36	40	189	.5	2.86	30	1	5	2	1	1
W.C.L16E 3+00S	41	17	107	.3	6.05	12	1	2	3	1	1
W.C.L16E 3+50S	21	12	62	.5	3.77	10	1	2	2	1	1
W.C.L16E 4+00S	21	15	62	.1	3.96	11	1	2	2	1	1
W.C.L16E 4+50S	30	27	114	.3	5.16	17	1	2	2	1	3
W.C.L16E 5+00S	32	32	108	.4	4.08	17	1	2	2	1	1
W.C.L16E 5+50S	45	45	155	.9	5.36	19	1	2	2	1	1
W.C.L16E 6+00S	29	52	107	.9	4.20	12	1	2	2	1	1
W.C.L16E 6+50S	16	25	98	.4	3.59	4	1	2	2	1	1
W.C.L16E 7+00S	32	32	151	.7	3.93	7	1	2	2	1	1
W.C.L17E 2+50S	34	28	124	.3	4.22	24	1	2	2	1	1
W.C.L17E 3+00S	41	21	69	.4	3.13	8	1	3	2	1	2
W.C.L17E 3+50S	45	18	89	.4	4.57	20	1	2	2	1	2
W.C.L17E 4+00S	24	16	71	.2	4.19	17	1	2	2	1	1
W.C.L17E 4+50S	30	20	93	.4	4.07	19	1	2	2	1	1
W.C.L17E 5+00S	31	34	125	.1	4.98	17	1	2	2	1	1
W.C.L17E 5+50S	33	52	124	.6	5.44	21	1	2	2	1	2
W.C.L17E 6+00S	30	49	116	.7	5.10	20	1	2	2	2	1
W.C.L17E 6+50S	20	31	88	.6	2.94	16	1	2	2	1	4
W.C.L17E 7+00S	24	32	131	.7	3.85	9	1	2	2	2	1
W.C.L18E 2+50S	47	16	80	.9	4.51	12	1	2	2	1	1
W.C.L18E 3+00S	53	20	107	.5	5.02	17	1	2	2	1	1
W.C.L18E 3+50S	30	14	86	.3	4.38	13	1	2	2	1	1
W.C.L18E 4+00S	24	11	59	.3	2.96	8	1	2	2	1	2
W.C.L18E 4+50S	32	23	94	.4	4.98	14	1	2	2	1	1

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SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
W.C.L18E 5+00S	33	23	93	.2	4.56	16	1	2	2	1	5
W.C.L18E 5+50S	26	38	94	.1	4.63	16	1	2	2	1	1
STD C/AU-S	60	38	129	7.2	3.94	39	17	18	20	14	47
W.C.L18E 6+00S	24	38	102	.3	3.41	10	1	2	2	1	2
W.C.L18E 6+50S	15	39	68	.5	2.50	8	1	2	2	1	1
W.C.L18E 7+00S	25	34	120	.5	3.46	5	1	2	2	1	1
W.C.L19E 2+50S	33	18	96	.1	3.64	12	1	2	2	1	1
W.C.L19E 3+00S	19	13	57	.6	2.51	10	1	2	2	1	1
W.C.L19E 3+50S	29	14	101	.3	3.04	19	1	4	2	1	1
W.C.L19E 4+00S	39	26	131	.1	5.07	36	1	2	2	1	2
W.C.L19E 4+50S	17	13	40	.1	2.61	13	1	2	2	1	1
W.C.L19E 5+00S	20	19	73	.3	3.27	13	1	2	2	1	1
W.C.L19E 5+50S	25	24	115	.1	5.43	16	1	2	2	2	1
W.C.L19E 6+00S	22	37	155	.3	3.92	8	1	2	2	1	1
W.C.L19E 6+50S	19	19	75	.4	3.22	12	1	2	2	1	1
W.C.L19E 7+00S	27	27	117	.5	3.60	18	1	2	2	1	1
W.C.L20E 0+00S	44	67	177	.1	6.41	72	1	3	2	1	2
W.C.L20E 0+50S	37	46	152	.3	5.37	68	1	3	2	1	1
W.C.L20E 1+00S	31	36	127	.2	3.49	20	1	2	2	1	1
W.C.L20E 1+50S	33	376	96	1.5	2.72	56	1	3	2	1	7
W.C.L20E 2+00S	17	26	43	.7	1.83	34	1	2	2	2	1
W.C.L20E 2+50S	30	25	129	.5	3.91	45	1	3	2	2	1
W.C.L20E 3+00S	55	30	164	.4	4.93	55	1	2	2	1	1
W.C.L20E 3+50S	83	30	448	.5	5.21	88	2	4	2	2	1
W.C.L20E 4+00S	26	24	130	.6	4.54	28	1	2	2	1	1
W.C.L20E 4+50S	26	21	145	.2	4.37	16	1	2	2	1	1
W.C.L21E 0+00S	29	37	96	.4	3.21	37	1	2	2	1	1
W.C.L21E 0+50S	27	31	82	.5	2.40	28	1	2	2	1	2
W.C.L21E 1+00S	28	47	144	.5	4.04	64	1	2	2	2	1
W.C.L21E 1+50S	33	73	175	.8	4.33	103	1	2	2	1	5
W.C.L21E 2+00S	39	33	124	.4	4.04	47	1	2	2	1	1
W.C.L21E 2+50S	33	36	120	.5	3.65	96	1	2	2	1	1
W.C.L21E 3+00S	37	26	178	.3	4.92	112	1	2	2	1	4
W.C.L21E 3+50S	59	25	121	.5	8.37	795	1	2	2	1	43
W.C.L21E 4+00S	56	48	205	.7	6.82	72	1	2	2	1	7
W.C.L21E 4+50S	26	36	254	.3	4.61	38	1	2	2	2	3
W.C.L22E 0+00S	39	37	147	.7	5.39	50	1	3	2	1	1

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SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
W.C.L22E 0+50S	47	96	149	.6	5.44	161	1	2	2	1	17
W.C.L22E 1+00S	77	81	128	.6	5.73	252	1	4	2	1	13
W.C.L22E 1+50S	32	38	89	.5	3.59	87	1	2	2	2	1
W.C.L22E 2+00S	38	36	115	.5	4.59	219	1	2	2	1	3
W.C.L22E 2+50S	47	54	109	.2	4.96	237	1	2	2	1	1
W.C.L22E 3+00S	40	54	125	.8	3.47	117	1	2	2	1	1
W.C.L22E 3+50S	94	57	139	.6	6.00	164	1	6	2	1	3
W.C.L22E 4+00S	84	84	163	.8	7.34	309	1	3	2	1	18
W.C.L22E 4+50S	74	55	146	.7	5.40	319	1	6	2	1	10
W.C.L23E 0+00S	125	253	170	1.5	8.03	293	1	10	2	2	25
W.C.L23E 0+50S	51	81	114	.4	4.85	105	1	2	2	1	9
W.C.L23E 1+00S	60	97	149	.6	5.30	215	1	2	2	1	13
W.C.L23E 1+50S	70	73	154	1.0	5.42	194	1	3	2	2	16
W.C.L23E 2+00S	60	78	146	.6	4.09	74	1	2	2	1	1
STD C/AU-S	62	38	130	7.0	3.98	42	17	17	21	15	51
W.C.L23E 2+50S	34	35	119	.7	3.88	71	1	2	2	1	1
W.C.L23E 3+00S	90	97	148	.7	6.94	221	1	6	2	2	12
W.C.L23E 3+50S	40	32	85	.2	2.64	78	1	2	2	1	1
W.C.L23E 4+00S	58	66	205	.4	5.01	76	1	2	2	2	1
W.C.L23E 4+50S	59	52	252	.6	4.64	53	1	2	2	2	1
W.C.L24E 0+00S	43	267	79	.9	5.18	110	1	2	2	1	6
W.C.L24E 0+50S	46	165	78	1.0	4.87	60	1	2	2	1	1
W.C.L24E 1+00S	68	38	103	.4	4.78	70	1	2	2	1	1
W.C.L24E 1+50S	72	91	96	.4	5.14	92	1	2	2	1	1
W.C.L24E 2+00S	83	47	133	.6	4.83	81	1	2	2	2	1
W.C.L24E 2+50S	56	67	128	.2	3.23	48	1	2	2	2	1
W.C.L24E 3+00S	105	34	104	.7	5.25	89	1	3	2	1	5
W.C.L24E 3+50S	110	30	94	.5	5.59	69	1	3	2	1	1
W.C.L24E 4+00S	43	17	63	.5	3.48	34	1	2	2	1	1
W.C.L24E 4+50S	137	41	121	.8	6.03	143	1	3	2	1	11
W.C.L25E 0+00S	52	177	59	1.0	4.65	160	1	2	2	2	1
W.C.L25E 0+50S	45	97	67	.7	4.48	50	1	2	2	2	1
W.C.L25E 1+00S	28	26	57	.3	3.01	28	1	2	2	1	1
W.C.L25E 1+50S	30	19	82	.3	3.78	17	1	2	2	1	1
W.C.L25E 2+00S	59	85	121	.5	4.97	94	1	2	2	1	1
W.C.L25E 2+50S	51	59	112	.2	4.36	95	1	2	2	1	2
W.C.L25E 3+00S	75	77	134	.6	4.86	63	1	2	2	2	1

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SAMPLE#	CU PPM	PB PPM	ZN PPM	AG PPM	FE %	AS PPM	CD PPM	SB PPM	BI PPM	W PPM	AU* PPB
W.C.L25E 3+50S	123	49	153	.7	4.83	77	1	3	2	1	1
W.C.L25E 4+00S	116	36	93	.7	5.11	66	1	2	2	1	1
W.C.L25E 4+50S	87	37	107	.6	5.61	77	1	4	2	1	1
W.C.L26E 0+00S	50	157	70	1.1	4.78	114	1	2	2	1	2
W.C.L26E 0+50S	36	55	45	.9	3.50	75	1	2	2	1	2
W.C.L26E 1+00S	71	69	96	.8	4.59	69	1	2	2	1	4
STD C/AU-S	58	40	128	7.3	3.94	38	17	17	21	13	48
W.C.L26E 1+50S	32	19	83	.7	3.48	15	1	2	2	1	1
W.C.L26E 2+00S	74	73	133	.8	4.79	104	1	2	2	1	1
W.C.L26E 3+00S	55	60	161	1.0	4.94	54	1	2	2	1	1
W.C.L26E 3+50S	54	95	130	1.0	4.01	93	1	2	2	1	1
W.C.L26E 4+00S	34	35	76	.4	1.95	43	1	2	2	1	2
W.C.L26E 4+50S	74	62	168	.5	4.63	76	1	2	2	1	1
W.C.L27E 0+00S	56	76	70	.9	5.03	49	1	2	2	1	1
W.C.L27E 0+50S	58	157	86	1.0	4.95	78	1	2	2	1	6
W.C.L27E 1+00S	45	27	93	.8	3.87	23	1	2	2	1	1
W.C.L27E 1+50S	57	54	114	.7	4.40	71	1	2	2	1	1
W.C.L27E 2+00S	54	48	112	.7	4.62	85	1	2	2	1	9
W.C.L27E 2+50S	36	63	93	.6	4.12	14	1	2	2	1	1
W.C.L27E 3+00S	52	67	105	.8	4.24	74	1	2	2	1	1
W.C.L27E 3+50S	25	162	104	.7	3.42	50	1	2	2	1	1
W.C.L27E 4+00S	40	64	85	.4	3.77	44	1	2	2	1	1
W.C.L27E 4+50S	19	21	53	.5	1.78	29	1	2	2	1	1

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APPENDIX H

COST STATEMENT

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COST STATEMENT

Wages

Brian V. Hall (Project Geologist) 54½ days @ $250.00/day	$13,678.00
Chris C. Young (Geologist) 42 days @ $180.00/day	7,560.00
David Ridley (Prospector) 25 days @ $160.00/day	4,000.00
Mike Gray (Assistant) 37 days @ $135/day	4,995.00
Steve Mitchell (Assistant) 14 days @ $135/day	1,890.00
Ward Trythall (Assistant) 14 days @ $135.00 day	1,890.00
Total Wages	34,613.00

Assays and Analyses

1217 soil and silt samples analysed for Pb, Zn, Ag, Cd, W, As, Sb, Cu, Fe, Bi and Au at $10.25 /sample	12,474.25
215 rock samples analysed for Pb, Zn, Ag, Cd, W, As, Sb, Cu, Fe, Bi and Au at $12.50/sample	2,687.50
Total Assays and Analyses	15,161.75

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Trenching and Drill Pad Preparation	
Gordon Clark & Associates September 12 - October 2, 1987	$14, 986.39
Truck Rental	
1986 Toyota Forerunner 29 days @ $35.00/day	1,015.00
1979 Toyota Landcruiser 24 days @ $35.00/day	840.00
Total Truck Rental	1,855.00
Camp Rental	
5 weeks @ $150.00/week	750.00
Magnetometer Rental	
13 days @ $25.00/day	325.00
Helicopter	
Trans North Turbo Air 19.6 hours @ 626.65/hour	12,258.84
Field Equipment	1,398.30
Office Supplies	256.64
Food and Accommodation	5,879.43
Gas	173.76
Telephone	491.89
Draughting RWR Mineral Graphics	1,018.25
Freight	978.48
GRAND TOTAL	**$90,146.73**

APPENDIX I

COST OF PROPOSED WORK

APPENDIX I

COST OF PROPOSED WORK

Diamond Drilling 15,000 feet @ $28.00/feet	$140,000.00
Drill Pad Preparation 10 pads @ $2,000/pad	20,000.00
Helicopter 100 hours @ $500/hour	50,000.00
Linecutting 20 kilometers @ $180.00/km	3,600.00
Magnetometer Survey 7 man days @ $250.00/day	1,750.00
Soil Sampling 400 samples @ $7.00/sample	2,800.00
Geological Mapping 14 days @ $300.00/day	4,200.00
Assays and Analyses 1,000 samples @ $10.00/sample	10,000.00
Mobilization - Demobilization	7,000.00
Truck Rental	9,000.00
Report Preparation	10,000.00
Equipment Rental	5,000.00
Food and Accommodation	35,000.00
Miscellaneous	5,000.00
TOTAL	**$303,350.00**

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APPENDIX J

STATEMENT OF QUALIFICATIONS

APPENDIX J

STATEMENT OF QUALIFICATIONS

I, Brian V. Hall of R.R.-1, Bowen Island, British Columbia, V0N, 1G0, do certify that:

1) I have graduated from the University of British Columbia (B.Sc., 1975) and the University of Waterloo (M.Sc., 1978) in geology.

2) I have practiced by profession for thirteen years since my graduation from the University of British Columbia.

3) I am a member of the society of Economic Geologists and a fellow of the Geological Association of Canada.

4) I have no beneficial interest in the property discussed in this report, nor do I expect to receive any in the future.

Brian V. Hall, M.Sc.
January 13, 1988

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