

ARIS SUMMARY SHEET

District Geologist, Kamloops

Off Confidential: 89.03.24

ASSESSMENT REPORT 17086

MINING DIVISION: Kamloops

PROPERTY: Bonaparte
 LOCATION: LAT 51 00 30 LONG 120 26 43
 UTM 10 5653639 679225
 NTS 092P01W 092P02E 092I16W
 CLAIM(S): Bob 21-24, Bob 33, Bob 39-43, Bob 45-48, Bob 102-104, Bob 107-112
 Bob 115, Bob 119, Bob 231-232, Bob 234, Bob 341, Stu 1-2
 OPERATOR(S): Inter-Pacific Res. Gallant Gold Mines Gabriel Res.
 AUTHOR(S): McClintock, J.A.
 REPORT YEAR: 1987, 239 Pages

COMMODITIES

SEARCHED FOR: Gold

GEOLOGICAL

SUMMARY: Argillaceous metasedimentary rocks, metamorphosed volcanic rocks and bedded greywacke and arkose form the basement rocks. The argillaceous metasedimentary rocks have been intruded by hornblende diorite correlated with Thuya-Takomkane Batholith intrusions resulting in hornfelsed contact zones. Basalt-andesite lavas, breccias and tuffs form the high ground. The hornblende diorite has been cut by late stage quartz veins that carry pyrite, chalcopyrite and rarely geochemically anomalous gold.

WORK

DONE: Geological, Geochemical, Geophysical
 EMGR 16.0 km; VLF
 GEOL 5000.0 ha
 Map(s) - 8; Scale(s) - 1:25 000, 1:10 000, 1:5000, 1:2500
 HMIN 13 sample(s) ; AU
 MAGG 40.0 km
 ROCK 170 sample(s) ; AU
 SOIL 2350 sample(s) ; CU, AG, AU
 Map(s) - 7; Scale(s) - 1:2500

RELATED

REPORTS: 13908, 15166, 15651, 15757, 16045
 MINFILE: 092P 050, 092P 159

MineQuest Report #184 A
Ref. No. RM4503

11/88

BONAPARTE PROPERTY WEST
1987

FILMED

GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL REPORT

KAMLOOPS MINING DIVISION

N.T.S. 92P/1, 92P/2

Latitude 51° 00' N
Longitude 120° 25' W

UTM 679000m E 5653500m N

SUB-RECORDER
RECEIVED
Feb 11 1983
M.R. # \$
VANCOUVER, B.C.

by

J.A. McClintock, P.Eng.

for

Gallant Gold Mines Ltd.

Inter-Pacific Resource Corp.

KAMLOOPS MINING DIVISION
GEOLOGICAL BRANCH
REPORT

17,086

PART 1 OF 3

Vancouver, B.C.

December 1987

<u>CLAIM NAME</u>	<u>RECORD NO.</u>	<u>UNITS</u>	<u>DATE RECORDED</u>
BOB 46	6436	10	Nov. 13, 1985
BOB 102	6574	15	Mar. 27, 1986
BOB 103	6575	18	Mar. 27, 1986
BOB 104	6576	10	Mar. 27, 1986
BOB 105	6577	12	Mar. 27, 1986
BOB 106	6578	20	Mar. 27, 1986
BOB 107	6579	10	Mar. 27, 1986
BOB 108	6580	20	Mar. 27, 1986
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BOB 116	6586	6	Mar. 27, 1986
BOB 119	6588	20	Mar. 27, 1986
BOB 151	6878	20	Feb. 18, 1986
BOB 152	6879	9	Feb. 18, 1986
BOB 234	6922	16	Feb. 18, 1987
BOB 341	7310	20	Oct. 19, 1987

TABLE OF CONTENTS

	<u>Page</u>
1.0 INTRODUCTION	1
1.1 Location and Access	1
1.2 Claim Status	2
1.3 Previous Work	3
2.0 1987 WORK PROGRAM	4
3.0 REGIONAL GEOLOGY AND MINERALIZATION	5
4.0 PROPERTY GEOLOGY	8
4.1 Lithologies	8
4.2 Structure	10
4.3 Mineralization	11
5.0 GEOCHEMISTRY	13
5.1 Sample Collection, Preparations and Analysis	13
5.2 Results	15
6.0 GEOPHYSICS	20
6.1 Magnetometer Survey	20
6.2 VLF EM Survey	21
7.0 DISCUSSIONS	22
8.0 BIBLIOGRAPHY	24

LIST OF FIGURES

<u>Figure</u>	<u>Title</u>	<u>Page</u>
1	Location Map	after page 1
2	Compilation Map Geology and Heavy Mineral Sampling (Plan 1181)	in pocket
3	Lithostratigraphic Column	after page 11
4	Geology and Geochemistry (Plan 1182)	in pocket
5	Grid A; Geology and Soil Geochemistry: Gold (Plan 1183)	in pocket
6	Grid A; Soil Geochemistry: Silver (Plan 1184)	in pocket
7	Grid A; Soil Geochemistry: Copper (Plan 1185)	in pocket
8	Grid B; Soil Geochemistry: Gold (Plan 1186)	in pocket
9	Grid B; Soil Geochemistry: Silver (Plan 1187)	in pocket
10	Grid B; Soil Geochemistry: Copper (Plan 1188)	in pocket
11	Grid A; Geophysics Magnetic Contour Map	after page 23
12	Grid B; Geophysics Magnetic Contour Map	after page 23
13	Grid A; Geophysics - VLF Fraser Filter Contour Map	after page 23

LIST OF APPENDICES

- Appendix I LABORATORY REPORTS
- Appendix II GEOPHYSICAL FIELD DATA
- Appendix III COST STATEMENT
- Appendix IV STATEMENT OF QUALIFICATIONS
- Appendix V STATEMENTS OF EXPLORATION AND DEVELOPMENT

1.0

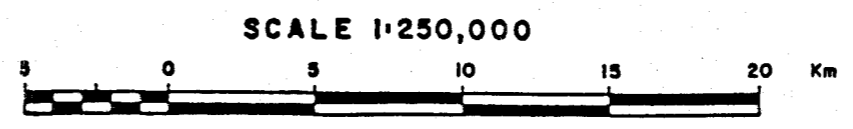
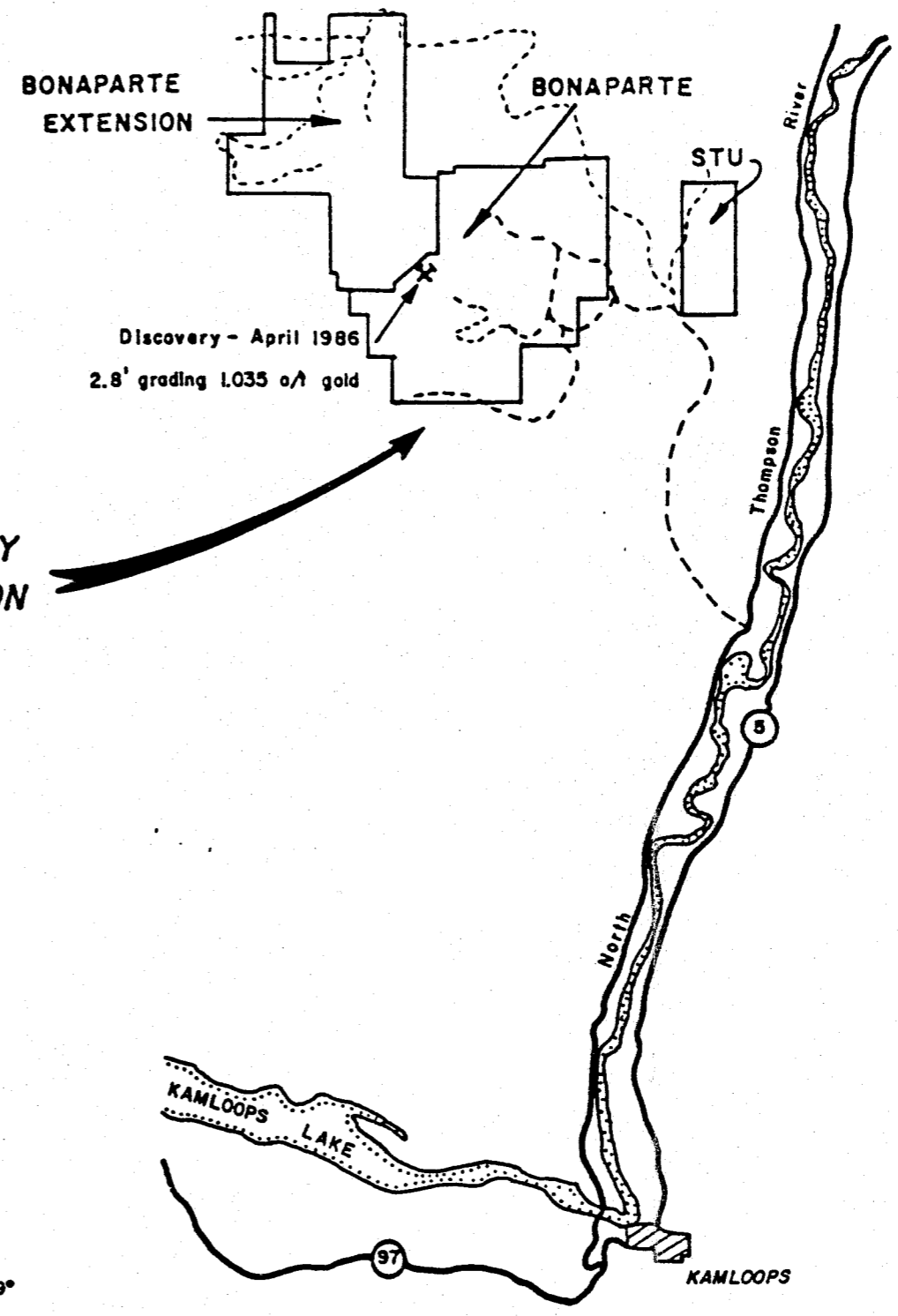
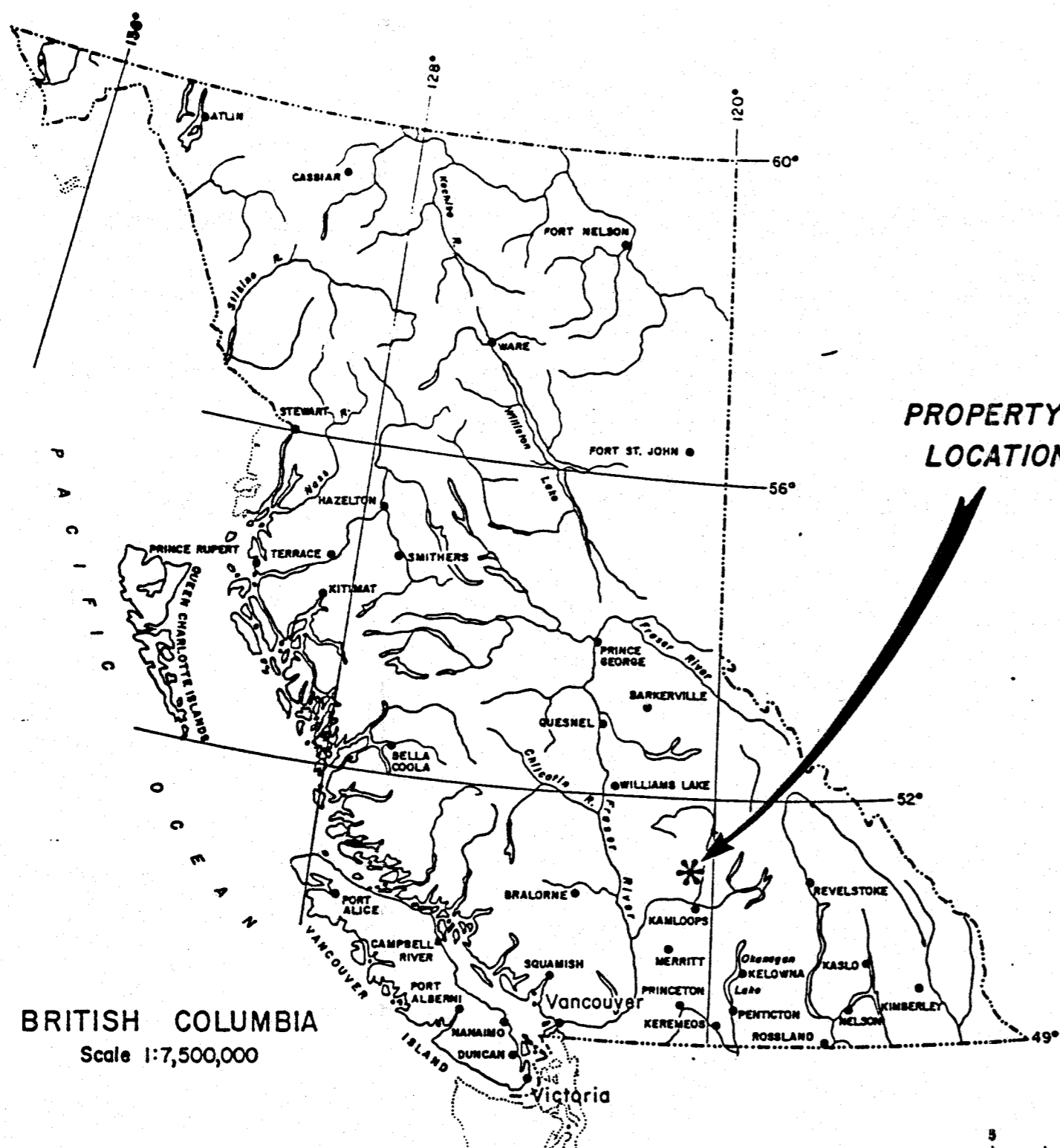
INTRODUCTION

The Bonaparte West property was staked by Inter-Pacific Resource Corp. in March, 1986 to acquire ground believed favourable for auriferous quartz veins similar to those known on the Bonaparte Central property lying immediately to the south.

Subsequently to staking the Bonaparte West property, Inter-Pacific Corp. optioned the property to Gallant Gold mines. In the fall of 1986, a limited program of prospecting, heavy mineral, silt and rock sampling was carried out on the property. Encouraging results from the 1986 program prompted a second, more comprehensive exploration program consisting of an initial airborne geophysical survey followed by a program of heavy mineral sampling, geological mapping, grid soil sampling and ground VLF-EM and magnetometer surveys. This second program was carried out from August 24 to November 24, 1987. The following report discusses the 1987 program.

1.1 Location, Access and Physiography

The Bonaparte property is located in the Kamloops Mining Division some 35 kilometres north of Kamloops. The claims cover the portion of the Bonaparte plateau that includes the headwaters of Jamieson, Bob, Wentworth, Tsintsunko, and Criss Creeks. Topography is for the most part subdued, with elevations ranging from 1350m along Wentworth Creek to almost 1800m at the highest point on the claims. Access is afforded by numerous logging roads and trails branching off the main Jamieson Creek road, which leaves the paved road on the west side of the North Thompson River about 23 kilometres north of Kamloops.



BONAPARTE PROPERTY			
LOCATION MAP			
PLAN NO. 780	DRAWN	DATE APRIL 85	FIGURE 1
Revised <u>Sept 85</u>		N.T.S.	
<u>Dec 85</u>		92 I, 92P	
<u>Apr 86</u>			
MINEQUEST EXPLORATION ASSOCIATES LTD.			

1.2 Claim Status

The Bonaparte West Property consists of 18 modified grid claims totalling 239 units and is owned by Inter-Pacific Resources Ltd. Under terms of an option agreement, Gallant Gold Mines Ltd. has a right to earn a 50% interest in the claims.

The current status of the claims is as follows:

<u>CLAIM NAME</u>	<u>RECORD NUMBER</u>	<u>NUMBER OF UNITS</u>	<u>DUE DATE BEFORE FILING OF 1987 WORK</u>
BOB 46	6436	10	Nov. 13, 1990
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1.3 Previous Work

During October and November 1986, a reconnaissance program of prospecting, rock-chip sampling, silt, soil and heavy mineral sampling was carried out on the Bonaparte West property. To facilitate the evaluation of geochemical sample results, a photo geological study carried to ascertain direction of glacial transportation. For a complete description of the 1986 work program, the reader is referred to a report entitled:

Bonaparte Property
Prospecting, Geochemistry and Heavy Mineral Sampling
October and November, 1986
by A.W. Gourlay

2.0

1987 EXPLORATION PROGRAM

The 1987 exploration program consisted of an initial phase of target definition based on the findings of the 1986 exploration and on results from an airborne VLF EM, magnetometer and resistivity survey carried out over the claims. Selected portions of the claims were subjected to detailed prospecting, additional heavy mineral sampling, rock sampling and geological mapping. Prompted by anomalous gold values obtained from quartz veins and favourable geological environments in the Caribou Lake area, two grids were established from which soil samples were collected. Later in the program, ground VLF EM and magnetometer surveys were completed over both grids.

During the course of the field work, a total of 7 heavy mineral, 1200 soil and 50 rock samples were collected. Geological mapping at a scale of 1:10,000 was completed over the entire claims and more detailed 1:2500 scale mapping was carried out within the grid areas.

3.0

REGIONAL GEOLOGY

The vicinity of the Bonaparte west claims was mapped by Campbell and Tipper in 1965 and by Monger and McMillan (1983). Campbell and Tipper considered the rocks in the claim area to be Carboniferous to Permian Cache Creek Group rocks consisting of argillite, quartzite, hornfels, limestone, sheared conglomerate, breccia, greenstone and serpentinite. Intrusive into the Cache Creek rocks are quartz-diorite and granodiorite with minor diorite, monzonite, and gabbro of the early or mid-Mesozoic Thuya and Takomkane Batholiths. Capping the Paleozoic and Mesozoic are Miocene plateau basalts formed predominately of olivine basalt and andesite with minor ash and breccia.

McMillan's and Monger's mapping classed the basement in the claim area as Paleozoic and Mesozoic sedimentary and volcanic rocks. A sedimentary package of argillite, cherty argillite, siltstone, volcanic and chert grain sandstone, chert pebble conglomerate, volcanoclastics of basic to acid composition and rare carbonate pods was considered to be similar to the Devonian-Permian Harper Ranch Group. Volcanic rocks of augite porphyry, bladed feldspar porphyry, chlorite schist and metabasalt were mapped as belonging to the Triassic Nicola Group.

Intrusive into the Cache Creek rocks are quartz-diorite and granodiorite with minor diorite, monzonite, and gabbro of the early or mid-Mesozoic Thuya and Takomkane Batholiths. Capping the Paleozoic and Mesozoic rocks are Miocene volcanic rocks formed predominately of olivine basalt and andesite flows, minor ash and breccia.

Both gold and molybdenite mineralization occur on the adjoining Bonaparte Central Property. The molybdenum potential of the region was first investigated in the late 1960's by Gunnex Mines, and more thoroughly by Amoco Canada Petroleum Company Ltd. in the early 1970's. Placer gold was known to exist in Cooler Creek prior to 1940 and old trenches on barren quartz veins are believed to have been excavated by prospectors searching for the source of the placer gold. However, it was not until 1985, that gold mineralization was discovered in place by exploration crews employed by MineQuest Exploration Associates Ltd.

Porphyry-type molybdenum mineralization occurs in and adjacent to a propylitically altered weakly pyritic diorite to quartz-diorite stock. The diorite, which has altered the intruded clastic sedimentary rocks to a biotite hornfels, hosts a multi-directional quartz-vein stockwork. Quartz veins and stringers are typically 2 cm or less in thickness and mineralized with occasional pyrite and rare traces of molybdenite. Molybdenite also occurs at one locality in the siliceous hornfels adjacent to the diorite. Drilling and surface sampling of the molybdenite mineralization returned very low molybdenum assays.

Gold and associated pyrite and chalcopyrite occur in six or more north to northeasterly trending quartz veins within the propylitically altered diorite stock (Gosse, 1986). The quartz veins are milky white to translucent in colour and have a massive to locally drusy texture. Along strike the veins pinch and swell with thicknesses ranging from 0.20 to over 2 metres. Splaying and reconvergence of veins along strike has been documented. The veins are mineralized with variable amounts of pyrite, chalcopyrite and free gold. Chalcopyrite and pyrite form irregular and discontinuous veinlets, pods and vein-filling fractures in the quartz. Gold grades are weakly correlateable with both thickness and sulphide content. The auriferous quartz veins cross cut

the quartz stockwork and therefore postdate the porphyry molybdenum mineralization (Peatfield, 1986). Gold values are restricted to the quartz veins and sheared wall rock immediately adjacent to the veins.

The gold quartz vein system and the molybdenum porphyry mineralization may be genetically related. It is well documented that mineral zoning occurs in porphyry molybdenum deposits and that there is often multiple periods of mineral deposition. Molybdenum mineralization often grade outwards into precious metal veins. Although precious metal veins associated with, or cutting earlier molybdenum stockworks, are generally silver-rich, gold-bearing veins are associated with some porphyry molybdenum occurrences in British Columbia such as Alwyn Creek, Brew Claims and Carmi. Therefore, it is possible that veins maybe either late stage veins related to the weak molybdenum porphyry systems, or possible peripheral veins that are related to a younger, still buried porphyry molybdenum system.

4.0

PROPERTY GEOLOGY

The claims were geologically mapped at a scale of 1:10,000 (Fig. 4). Mapping was hampered by the paucity of rock outcroppings. Generally outcrops form less than 2% of the surface area and resulted in the use of float-mapping for much of the geological interpretation. Parameters used in interpreting bedrock geology from rock float were angularity and abundance combined with the known direction of glacial movement as documented by Maynard (1986). The greater the abundance and angularity of a particular rock-type, the closer to the bedrock source.

4.1 Lithologies

Geological mapping on the claims subdivided the lithologies into 3 general groups. From oldest to youngest these are: argillaceous metasedimentary rocks (Unit Ar); quartz monzonite and hornblende diorite (Units Gd, Di); and basaltic to andesitic lavas, breccias and minor tuffs (Unit Ba).

Unit Ar:

Argillaceous metasedimentary rocks are exposed in the Caribou Lake valley and Tsintsunko Lake area. The unit is predominately composed of medium grey coloured, phyllitic shale, and argillaceous siltstone with minor interbeds of greywacke. Typically, the phyllitic units contain conformable, boudinaged, milky white to grey sugary textured quartz veins. The argillaceous siltstone and shale are weakly graphitic and locally contain trace amounts of pyrite. This rock-type is equated to Paleozoic age rocks mapped by MacMillan and Monger.

Unit Di:

Hornblende diorite forms dykes and small stock-like bodies that intrude the Ar unit in the southern claim area, north and south of Caribou Lake. The diorite is crowded porphyritic rock composed of 2 to 5mm phenocrysts of feldspar and hornblende in a finer grained felsic groundmass. Feldspar phenocrysts are generally coarser grained than the hornblende and form up to 50% of the rock with hornblende comprising up to 20%. The diorite is weakly propylitically altered with feldspar sauceritized and mafic minerals chloritized. Quartz veins and stringers up to 10cm thick at the diorite. Traces of pyrite occur as fine grained disseminations, fracture fillings and in the quartz veins. These intrusions are thought to be related to the Mesozoic age Thuya-Takomkane intrusions.

Argillaceous sedimentary rocks at the contact with the diorite have undergone metasomatism (Unit Hn). Typically, the hornfelsing has transformed the sedimentary rocks to a brown to purplish-brown coloured, well indurated, fine-grained, sugary textured silicious hornfels. During hornfelsing, the rock were pyritized. Both intensity of hornfelsing and pyritization vary directly with proximity to the diorite.

Unit Qm:

Biotite quartz monzonite forms a batholith and related satellite stock east of Tsintsunko Lake. The rock is a medium to coarse grained, hypidiomorphic granular rock containing abundant xenoliths of partially assimilated metasedimentary and metavolcanic rocks. With the exception of thermal metamorphism, the intruded rocks are unaltered. Like unit Di, this rock-type is considered part of the Thuya-Takomkane intrusions.

Unit Ba:

Basaltic to andesitic lavas and related breccias and tuffs are wide spread and overlie nearly 70% of the claim area. These volcanic rocks are Miocene in age and unconformably overlie the older rocks.

4.1 Structural Geology

The Paleozoic rocks have been subjected to at least one phase of folding and low-grade metamorphism. The limited rock exposure did not permit mapping out of any large-scale folds; however, evidence of such folding is present in a penetrative foliation/cleavage and small-scale, tight, isoclinal folds. These small scale features suggest that larger scale isoclinal folding of the Paleozoic strata did occur. Where observed, this axial plane cleavage subparallels the bedding and suggests that the claims overlie one limb of a large-scale isoclinal fold. Both the cleavage and bedding strike northerly and dip gently to the east.

Contemporaneously with folding the sedimentary rocks have undergone very low to low grade metamorphism which has transformed the finer grained sediments into sericite-graphite and sericite-chlorite phyllites. Metamorphism has also developed quartz and quartz-feldspar "sweats". These "sweats" form discontinuous, boudinage-shaped bodies that are usually concordant with bedding. Generally, these bodies, form rod-shaped bodies to 15cm thick that are preferentially localized in the hinges of minor folds. Occasionally, the quartz forms narrow off-shoots that transects bedding. These are usually thin, seldom exceeding 5cm, and are restricted to the immediate vicinity of larger conformable bodies of quartz.

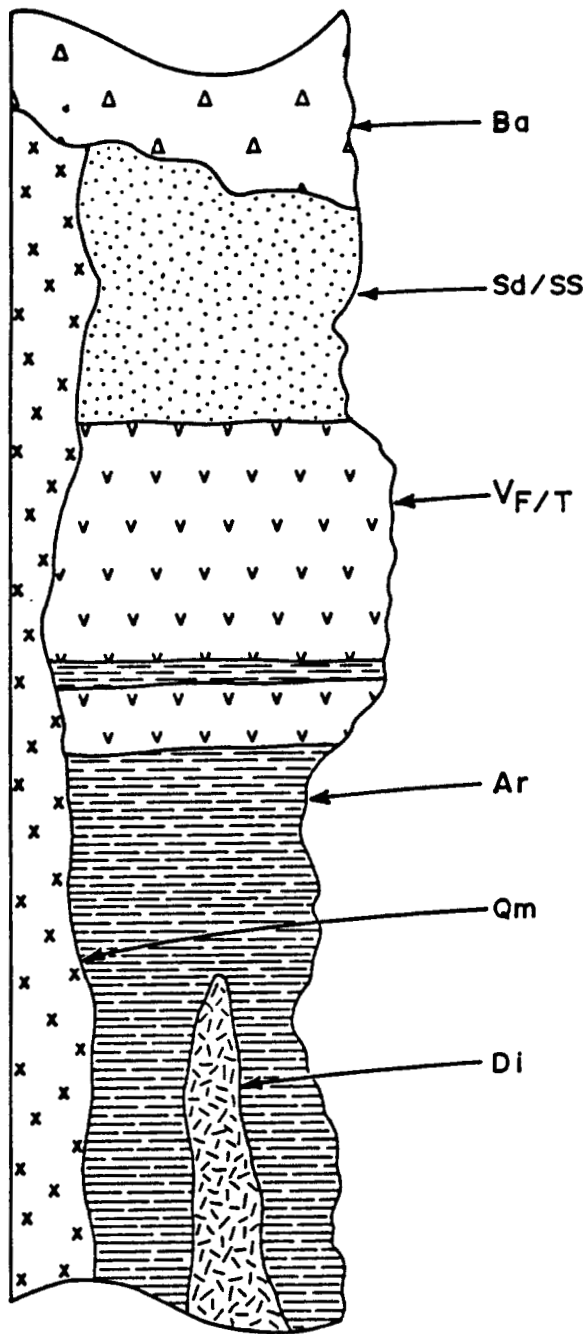
Both the diorite and quartz monzonite appear to postdate metamorphism and folding. No evidence of any folding of the strata during emplacement of the intrusives was observed.

The basalts which cap the older rocks are generally flat-lying.

4.3 Mineralization

During geological mapping and prospecting, two types of mineralization were noted: quartz veins cutting diorite; and quartz lenses and rods in phyllitic argillite.

The diorite-hosted quartz veins are 10cm or less thick and multi-directional and were found in dykes north of Caribou Lake and in diorite stocks south of Caribou Lake adjacent to the southern claim boundary. The veins consist of massive white quartz and contain up to 2% pyrite disseminated along the wall rock contact. The diorite host is weakly propylitized and contains finely disseminated pyrite. These veins are very similar in appearance to the stage 2 veins observed at the Discovery Zone on the Bonaparte Central Property, held by Inter-Pacific Resource Corp., under option to Hughes-Lang Corporation. Samples of the quartz and wall rock had only a background gold content. Quartz lenses and rods are abundant in the phyllitic argillites throughout the Caribou Creek and Tsintsunko Lake area. Locally, these lenses contain disseminations and aggregates of finely crystalline pyrite to 5%. Typically, the pyrite occurs at the boundaries of the quartz both in the phyllites and the quartz. These quartz bodies are conformable with the enclosing phyllites and are of metamorphic origin. The source of the quartz was probably from remobilization and recrystallization of siliceous beds into noses of small scale structures during regional low-grade metamorphism. Although most samples of this type



Ba Basaltic to Andesitic lavas, lesser breccia and tuff.

Sd/SS Predominantly greywacke with lesser siltstone, minor argillite, limestone and conglomerate.

VF/T Andesitic to basaltic andesite flows, agglomerate breccia and tuff. Contains intercalated argillite and shale beds.

Ar Argillaceous siltstone and shale with lesser greywacke.

Qm Medium to coarse grained biotite granodiorite.

Di Diorite and Quartz Diorite generally porphyritic and weakly propylitically altered.

INTER-PACIFIC RESOURCE CORP.

BONAPARTE PROPERTY

LITHOSTRATIGRAPHIC
SECTION

FIG 3

MINEQUEST EXPLORATION ASSOCIATES LTD.

of quartz were very low for gold, a few samples were weakly anomalous (up to 260 ppb). The quartz samples that were anomalous had in the order of 5% pyrite. The low gold values in these lenses of quartz is probably the result of concentration of background gold values during remobilization of quartz into the noses of the folds.

5.0

GEOCHEMISTRY

Geochemical sampling of the property consisted of heavy mineral, soil and rock sampling. Because of the restricted numbers of rock exposures, geochemistry was the primary exploration tool used in evaluating the claims. Heavy mineral sampling was designed to more precisely define the source of anomalous gold in heavy minerals collected in 1986. Soil sampling in a grid pattern was used to search selected areas deemed favourable by geology or previous geochemical sampling. Rock sampling was used in conjunction with prospecting and grid soil sampling to locate gold mineralization. The limited rock outcroppings resulted in most samples being collected from float material. Geochemical sampling was focussed in the Criss Creek, Tsintsunko Creek, and Caribou Lake areas.

5.1 Sample Collection, Preparation and AnalysisHeavy Mineral Samples

A total of 7 heavy mineral samples were collected. At each site a minimum of 10kg of -35 mesh stream sediment was collected, placed in a plastic sample bag and shipped to Bonder Clegg's laboratory in North Vancouver. At the laboratory, the samples were sieved into a -150 mesh and +150 mesh fraction. Heavy media separation of the >3.2 specific gravity portion of each fraction was carried out followed by a magnetic separation. The >3.2 specific gravity portion of both fractions was then assayed for gold by fire assay. Sample location and analytical results are displayed on Figure 1 and listed in Appendix I.

Soil Samples

Soil samples were collected at 20 metre intervals along lines spaced 50 metres apart. At each site, a sample of "B" horizon soil was collected and placed in a numbered kraft paper envelope. If B horizon soil was not available, no sample was collected. Soil samples were sent to Acme Analytical's laboratory in Vancouver where they were oven dried and screened to -80 mesh. A 10 gram subsample of the -80 mesh material was digested with a hot aqua regia solution followed by a MIBK extraction. Gold analysis of the MIBK extract was carried out by atomic absorption. Analysis for silver and copper was carried out on 0.5 gram sample of the -80 mesh fraction by standard atomic absorption technique. Results of the gold, silver and copper analysis are plotted on Figures 6 through 10.

Rock Samples

At each sample site a minimum of 1kg of rock chips were collected and placed in a labelled plastic sample bag and sent to Acme Laboratories in Vancouver. At the laboratory, the samples were crushed to 80% less than 10 mesh. A representative split of approximately 250 grams was obtained by passing the sample through a Jones Riffle splitter. The entire 250 gram split was reduced to -100 mesh. The pulverized material was then analyzed for gold by either fire assay techniques or by fire assay extraction followed by atomic absorption determination. Results of the analysis are plotted on Figure 4.

5.2 Results

Criss Creek Area

The Criss Creek target consisted of an unexplained heavy mineral gold anomaly of 73,000 ppb. Initial prospecting in the drainage found outcrop to be virtually nonexistent. For this reason, four additional heavy mineral samples were collected to more precisely define the source of gold. Analytical results were lower for gold than that found in the 1986 sample. Sample HM202, a retake of the original sample contained only 2400 ppb in the -150 mesh fraction compared to the original samples 73,000. Reasons for the discrepancy could be the different labs used. Results of the remaining 3 samples indicate the possible source of gold in the 1986 sample lies between sample HM204 and HM205. Although these samples are an order of magnitude lower, the results obtained from the 1986 sample, HM202 and HM204 are still considered anomalous. To locate the source of these anomalies will require very detailed prospecting and grid soil sampling.

Tsintsunko Creek Area

The Tsintsunko Creek area was identified in 1986 by a heavy mineral sample as having in excess of 10,000 ppb gold. In 1987, two heavy mineral samples were collected from the drainage. Sample HM200 was a retake of the original sample and HM201 was collected near the headwaters of the stream. In addition, three east-west oriented reconnaissance soil lines were also run in the drainage area above the anomalous heavy mineral sample. Sample HM200 was not anomalous while sample HM201 contained >10,000 ppb. The discrepancy between the 1986 sample and HM200 maybe caused by the small sample weight of the fine fraction in the 1986 sample. The -150 mesh fraction in the 1986 sample was under one gram.

Because of the small weight a single particle of -150 mesh gold would significantly influence the analytical value. The presence of a single particle of gold in the 1986 sample and its absence in the HM200 may account for the discrepancy. Sample HM201 contained >10,000 ppb gold, however, like the 1986 sample, the concentrate weight was very low (0.9g) and the high gold value may be the result of a single particle of gold. Soil lines between the two heavy Caribou Lake Area mineral samples returned uniformly low gold values.

Caribou Lake Area

The Caribou Lake area was previously highlighted by anomalous heavy mineral samples (HM108 and 109), anomalous rock samples and reconnaissance soil sampling. These encouraging results coupled with a geological environment of altered diorite, hornfels and widespread quartz veining prompted an additional heavy mineral sample, further rock sampling and soil sampling on two grids referred to as grid A and B.

A heavy mineral sample, HM212, was collected from upper Caribou Creek to determine if gold in sample HM109 (16,000 ppb) originated from south of the claim block. Sample HM212 contained weakly anomalous levels of gold (1300 ppb) in the fine fraction. This suggests that the source of the gold in HM109 originates between the two samples (Fig. 4).

Soil samples from the two grids, A and B, were statistical analysed and anomalous levels for each element determined. Anomalous levels were taken at the 95% cumulative probability level and are summarized below.

<u>Element</u>	<u>Anomalous</u>
Gold	30 ppb
Silver	1.0 ppm
Copper	33 ppm

Grid A

Contouring of anomalous gold values on Grid A highlighted six multi-sample anomalies. Four of these are located in the west central grid area while the remaining two samples occur in the north central grid area. Of the four anomalies in the western area, three are cluster around a narrow, 20 metre wide dyke of propylitically altered hornblende diorite that intrudes phyllitic argillite. A few rock samples of quartz veins cutting the diorite yielded very low values. These three anomalies are unexplained and require follow up detailed prospecting and rock sampling. The fourth anomaly occurs in an area underlain by phyllitic argillite containing abundant conformable quartz bodies of metamorphic origin. The conformable rod shaped bodies locally contain pyrite in amounts to 5%. A sample from one of these quartz rods assayed 350 ppb gold. These low but anomalous gold values may be the cause of the soil anomalies.

The two gold-in-soil anomalies in the north central part of the grid overlie argillite containing rod shaped quartz bodies. Source of the gold in these soil samples may also be low, but anomalous gold values within the quartz bodies.

Contouring silver values at the 1.0 ppm level identified 8 multi sample anomalies labeled on Figure 6 as I through VIII. Only anomaly V is partially coincident with a gold anomaly. Anomalies I and IV overlie a swampy area drained by an intermittant stream. The cause of these anomalies is probably hydromorphic accumulations

of silver in the poorly drained soils. Anomaly V is partially coincident with gold anomaly. The source of this silver anomaly is problematic but may be from anomalous silver levels in quartz lenses and rods in the underlying argillite. Anomalies II, III, VII and VIII occur in areas underlain by phyllitic argillite, no known source of these elevated silver values is present and resolving the cause will require further study. Anomaly VI is located in an area underlain by diorite porphyry cut by thin quartz veins. As this area has limited rock exposure, the source of the silver may be from quartz veins in the diorite. Detailed prospecting and soil sampling is required to resolve the source.

Copper values in the grid are generally low, and the resultant anomalous level of 33 ppm would in most areas be considered as background. Contouring of copper outlined 7 separate multi sample anomalies which have been labelled I through VII on Figure 7. None of these copper anomalies is coincident with a gold anomaly. However, better correlation exists between copper and silver. Anomalies I through IV occur in areas underlain by phyllitic argillite. No known mineralization as found in any of these anomalies which would account for the anomalies. Anomalies V and VI are coincident with silver anomalies I and IV, respectively and are likewise thought to be of hydromorphic origin. Anomaly VII is coincident with silver anomaly III. As with the silver anomaly, the cause of the anomalous copper is problematic.

Grid B

Analysis of soil samples revealed 5 single sample anomalies. One of these, located at grid co-ordinates 4+00N 2+60W had a value of 325 ppb gold. Although this sample is a single site anomaly, it occurs on the northernmost grid line at the edge of a large marsh. The anomaly is

therefore open to both the north and west and may only represent part of a much larger gold anomaly. The coincidence of this sample with an area of altered diorite porphyry, hornfels and minor quartz float, suggests the source of the anomaly is possibly an auriferous quartz vein in either diorite or hornfels. Detailed prospecting and rock sampling should be carried out in the vicinity of this sample and grid soil sampling should be extended to the north.

Silver analysis showed 5 multi-station anomalies and numerous single point anomalies. With few exceptions, these anomalous values occur at the margin of marshes, and were noted to have been collected from soil with a high organic content. Therefore it is thought that the anomalous values are due to a combination of organic scavenging and hydromorphic concentration.

Copper values on the B grid, when contoured highlighted 5 multi-sample anomalies most of which are coincident with the silver anomalies. None of the copper anomalies are coincident with anomalous gold. With one exception, these copper anomalies, like the silver, are thought to be hydromorphic metal accumulations. However, the anomaly at 2+00N, 6+00E appears to be reflecting a bed rock source. Confirmation of the cause of this anomaly will require further prospecting.

6.0

GEOPHYSICS6.1 Magnetometer Survey

Magnetometer surveys were conducted over both grids A and B using a Sintrex fluxgate magnetometer. Correction for diurnal drift was done with a base station recorder. Since much of the grid areas are overburden covered, it was hoped that the magnetometer survey would be useful in mapping rock-types in overburden covered areas. Results of the magnetometer surveys are presented on Figures 11 and 12.

Grid A

Contouring of the magnetic data at 20 gamma intervals outlined an area of higher magnetic relief in the east of the grid. No change in rock type from the west to the east of the grid was noted during mapping that would account for this magnetic feature. It is possible that this magnetic feature is caused by an intrusive body beneath a shallow cover of phyllitic argillite. In the west of the grid area, northerly oriented magnetic lows are present. These lows are likewise not explained by any observed differences in rock types.

Grid B

The 20 gamma contoured magnetic data maps the contact between the basalt and phyllitic argillite in the east of the grid well. Another contact in the west of the grid is implied by the magnetic data. From the few outcrops in this area, this contact appears to be between hornfelsed meta-sedimentary rocks to the west and phyllitic argillites in the east. The known hornfelsed halo around the diorite outcrop in the central grid area forms a pronounced magnetic low.

6.2 VLF EM

A VLF EM survey was conducted over grid A using a Geonics EM-16 instrument. The VLF transmitter in Seattle was used and all readings were taken facing the station. The Fraser Filtered data is presented on Figure 13 and the field data is listed in Appendix III.

The Fraser Filtered data shows several prominent northerly trending conductors within the grid area. These conductors have a similar orientation to a series of linear topographic lows noted during mapping. These conductors may reflect northerly oriented fault zones or may reflect graphitic units within the phyllitic argillite.

7.0

DISCUSSION

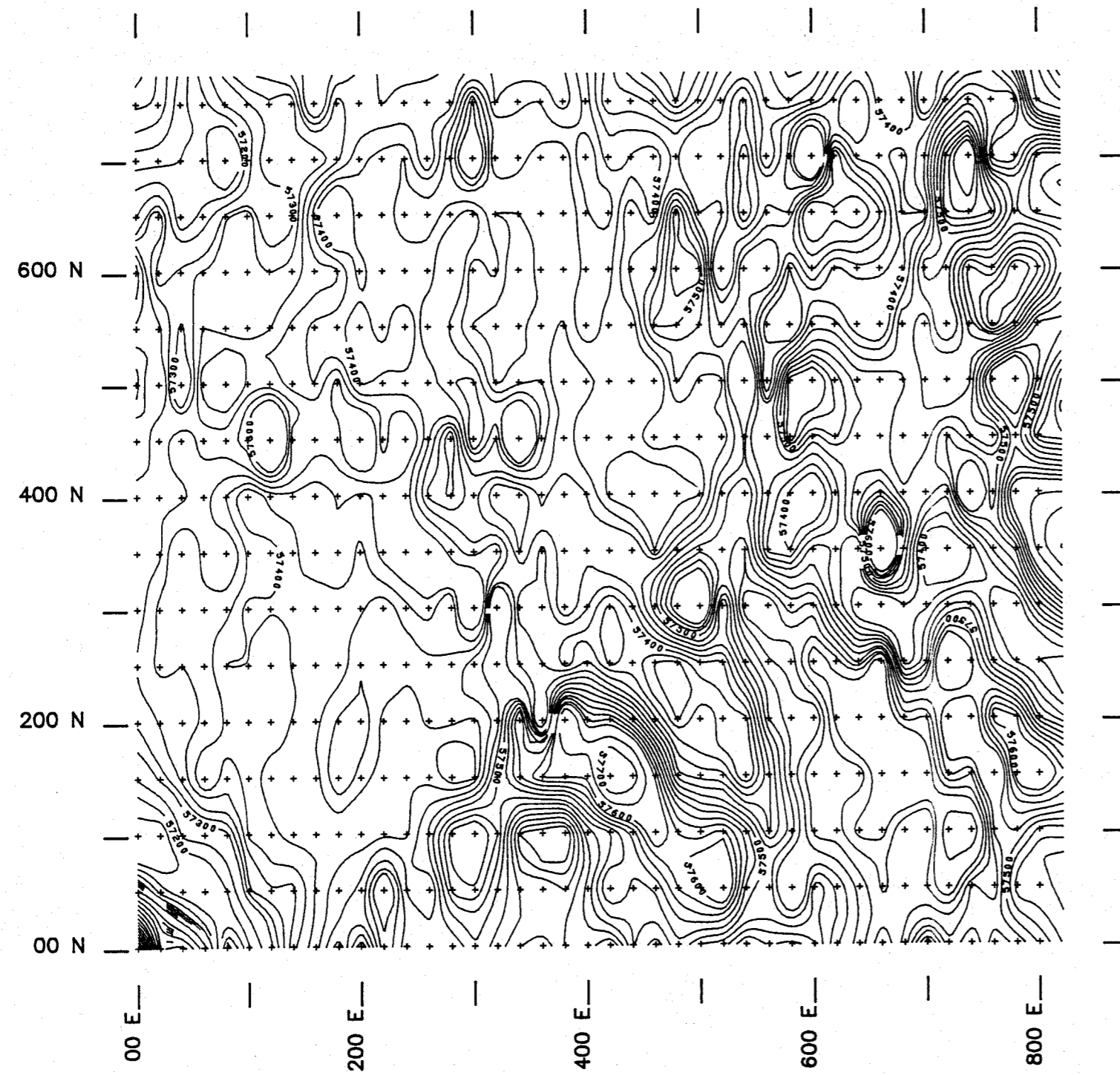
With the exception of a narrow window in the Caribou Lake - Tsintsunko Lake and possibly within the overburden covered Criss Creek valley bottom, the Bonaparte West property is underlain by Miocene-age basalt flows.

Grid soil sampling north of Caribou Lake identified scattered gold anomalies in the western grid area. The anomalies occur near a narrow diorite porphyry dyke containing narrow quartz veins. Sampling of this quartz returned low gold values. Additional sampling of all rock exposures within the gold anomalies is required to determine the source of the anomalies.

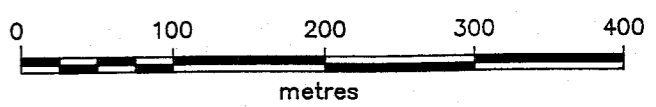
South of Caribou Lake, on grid B, mapping located a small stock-like body of weakly propylitically altered diorite. Soil and rock sampling were hindered by the extensive areas of swamp. A few scattered anomalous gold values occur on the grid. The most interesting is a sample containing 350 ppb gold situated on the most northerly soil line and on the edge of a swamp. Downstream from this still open gold anomalous area a heavy mineral sample collected in 1986 (HM 109) contained 16,000 ppb gold in the -150 mesh fraction. It is possible that the source for the gold in this sample lies between the northern most line in Grid B and the south end of Caribou Lake. since this area has limited rock exposures, the most feasible method of evaluation would be by grid soil sampling.

Heavy mineral sampling in the Criss Creek drainage has defined an area between samples HM 204 and HM 205 that is a potential source area for the anomalous gold in Criss Creek. Further exploration of this region would involve detailed bank sampling and reconnaissance soil lines.

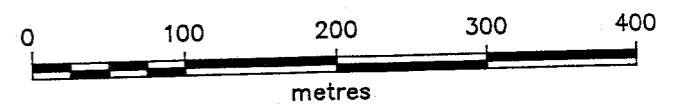
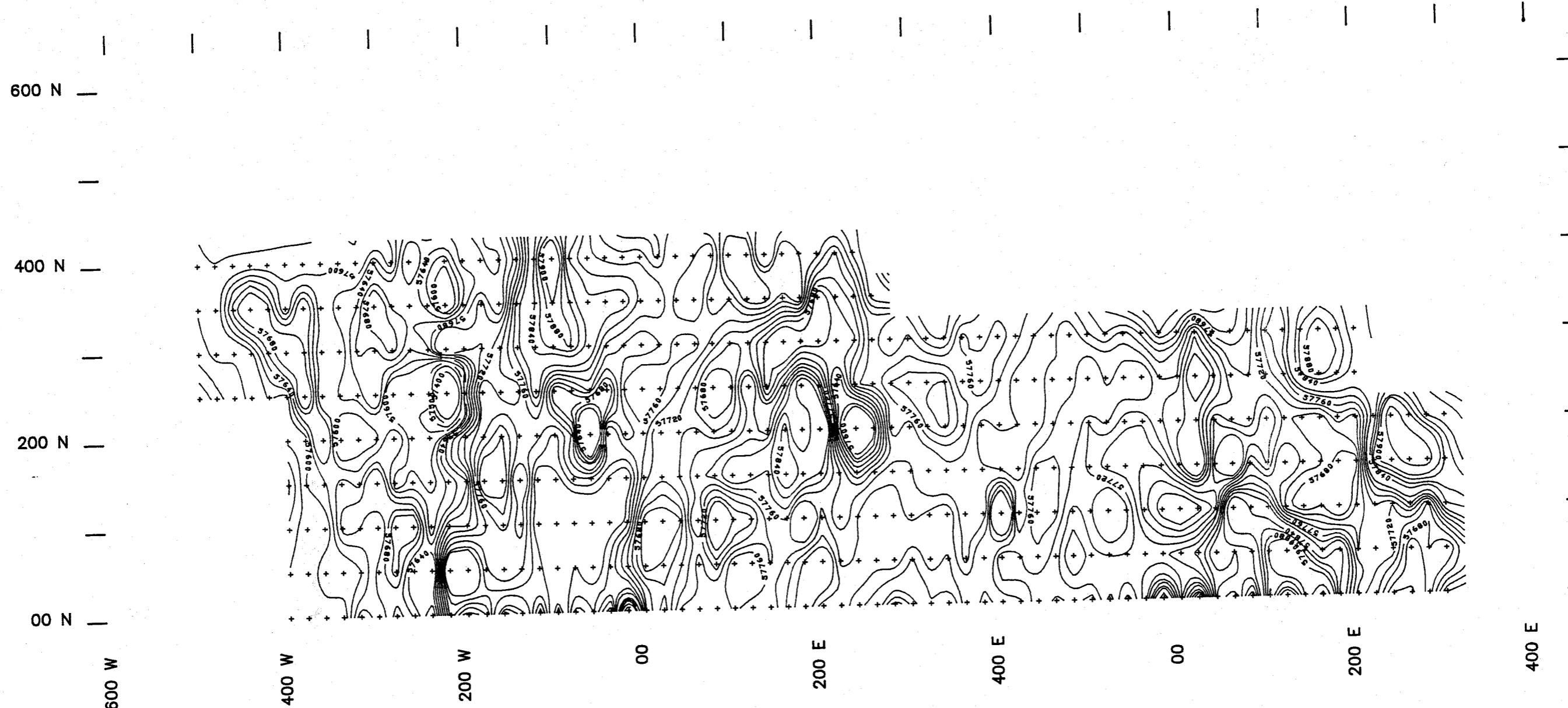
The probable cause of anomalous gold values in the Tsintsunko Creek drainage is glacially transported material from north of the claims. Because of the small sample size (<1.0 gram) this sample would be prone to erratic gold analyses caused by the presence or absence of a single particle of -150 mesh gold.



Instrument: Scintrex MP-4

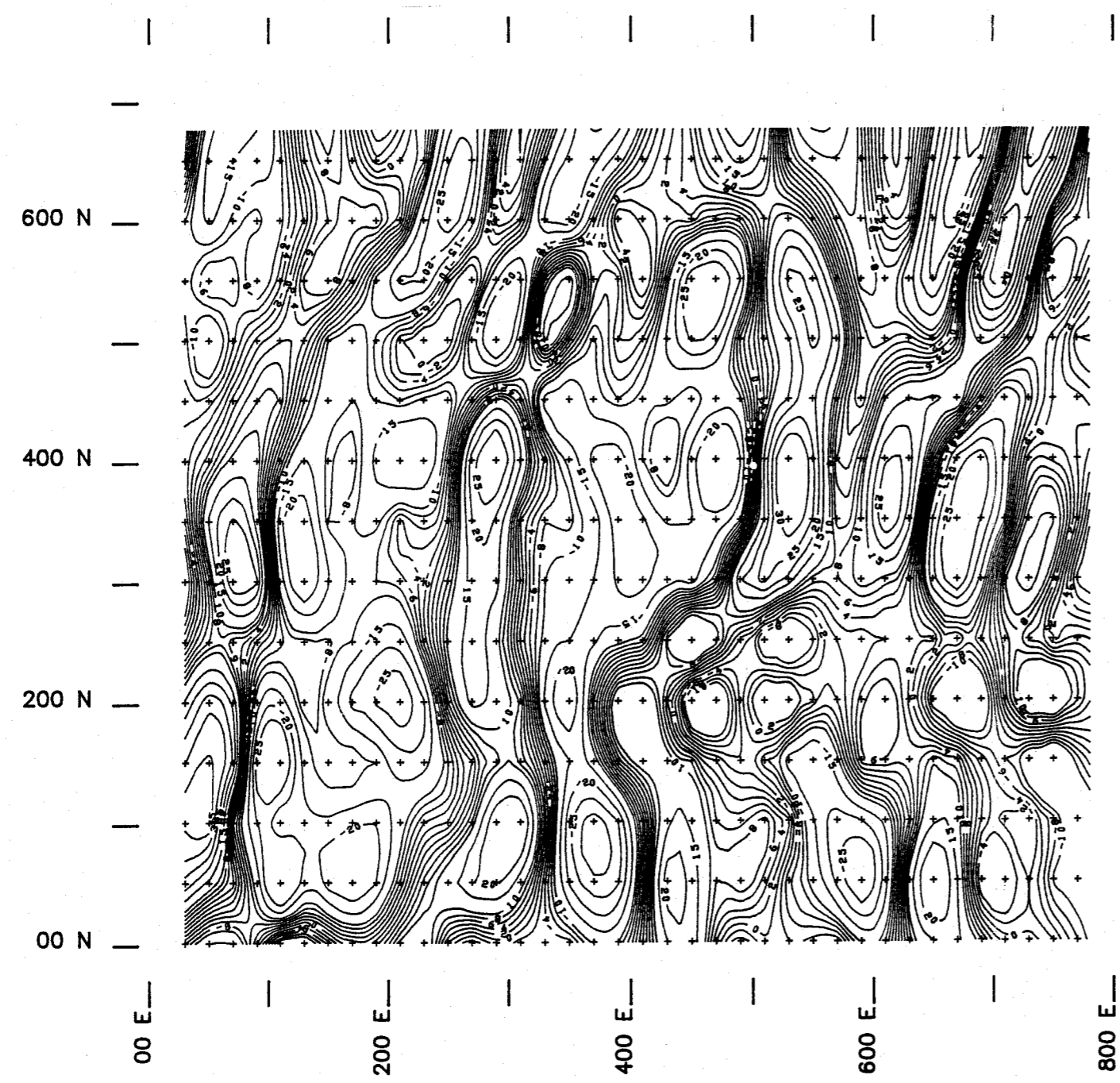


BONAPARTE WEST			
"A" GRID GEOPHYSICS			
MAGNETIC CONTOUR MAP			
20 GAMMA INTERVAL			
PLAN No. -	DRAWN BY: GEO-COMP	DATE JAN '88	FIGURE 11
Originator: AWG		N.T.S. 92LP	
MINEQUEST EXPLORATION ASSOCIATES LTD.			

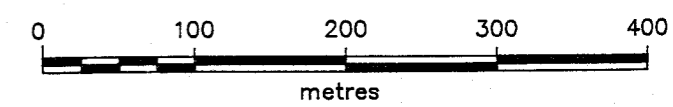


BONAPARTE WEST			
"B" GRID GEOPHYSICS			
MAGNETIC CONTOUR MAP			
20 GAMMA INTERVAL			
PLAN No.	DRAWN BY:	DATE	FIGURE 12
-	GEO-COMP	JAN. '88	
Originator: AWG		N.T.S. 92LP	
MINEQUEST EXPLORATION ASSOCIATES LTD.			

Instrument: ScintrexMP-4



Instrument: GEONICS EM-16
Transmitter: Seattle, Washington



BONAPARTE WEST			
"A" GRID GEOPHYSICS			
VLF FRASER FILTER			
CONTOUR MAP			
5% CONTOUR INTERVAL			
PLAN No.	DRAWN BY:	DATE	FIGURE
-	GEO-COMP	JAN.'88	
Originator: AWG		N.T.S.	13
		92LP	
MINEQUEST EXPLORATION ASSOCIATES LTD.			

8.0

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APPENDIX I
LABORATORY REPORTS

Oct 15/87

GEOCHEMICAL ICP ANALYSIS

Copy to JMcC

.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 K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM. - SAMPLE TYPE: SOIL AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

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

MINEQUEST EXPLORATION PROJECT-BNW File # 87-4680 Page 1

SAMPLE#	CU PPM	AG PPM	AU* PPB
A 08+00N 00+00E	15	.3	5
A 08+00N 00+20E	20	.7	5
A 08+00N 00+60E	12	.2	1
A 08+00N 00+80E	13	.2	1
A 08+00N 01+00E	13	.4	1
A 08+00N 01+20E	11	.2	2
A 08+00N 01+40E	8	.1	1
A 08+00N 01+60E	16	.2	1
A 08+00N 01+80E	19	.8	1
A 08+00N 02+00E	16	.3	1
A 08+00N 02+20E	29	.6	1
A 08+00N 02+40E	12	.2	1
A 08+00N 02+60E	20	.3	2
A 08+00N 02+80E	14	.1	1
A 08+00N 03+00E	26	.8	1
A 08+00N 03+40E	32	.4	1
A 08+00N 03+80E	18	.2	6
A 08+00N 04+00E	18	.2	2
A 08+00N 04+20E	21	.6	1
A 08+00N 04+40E	24	.1	1
A 08+00N 04+60E	20	.2	2
A 08+00N 04+80E	18	.1	1
A 08+00N 05+00E	17	.4	3
A 08+00N 05+40E	18	.2	4
A 08+00N 05+60E	13	.3	1
A 08+00N 06+20E	17	.1	2
A 08+00N 06+40E	24	.2	1
A 08+00N 06+60E	12	.1	1
A 08+00N 06+80E	9	.1	1
A 08+00N 07+00E	14	.1	2
A 08+00N 07+20E	36	.1	1
A 08+00N 07+40E	19	.4	8
A 08+00N 07+60E	36	1.1	2
A 08+00N 07+80E	16	.1	1
A 08+00N 08+00E	14	.2	3
A 07+50N 00+00E	13	.2	1
STD C/AU-S	58	7.1	46

SAMPLE#	CU PPM	AG PPM	AU* PPB
A 07+50N 00+60E	17	.7	1
A 07+50N 00+80E	13	.3	2
A 07+50N 01+00E	13	.2	6
A 07+50N 01+20E	14	.7	2
A 07+50N 01+40E	19	.3	1
A 07+50N 01+60E	19	.4	1
A 07+50N 01+80E	11	.3	5
A 07+50N 02+00E	17	.1	1
A 07+50N 02+20E	19	.2	1
A 07+50N 02+40E	14	.2	1
A 07+50N 02+60E	23	.4	3
A 07+50N 02+80E	17	.4	1
A 07+50N 03+00E	13	.3	1
A 07+50N 03+20E	13	.3	1
A 07+50N 03+40E	23	.4	2
A 07+50N 03+60E	16	.7	1
A 07+50N 03+80E	26	1.0	1
A 07+50N 04+00E	20	.5	1
A 07+50N 04+20E	16	.1	4
A 07+50N 04+40E	23	.3	1
A 07+50N 04+60E	11	.1	3
A 07+50N 04+80E	9	.2	1
A 07+50N 05+00E	11	.3	1
A 07+50N 05+20E	30	.5	1
A 07+50N 05+40E	12	.1	1
A 07+50N 05+60E	9	.2	2
A 07+50N 06+20E	14	.2	1
A 07+50N 06+40E	11	.4	1
A 07+50N 06+60E	24	.4	1
A 07+50N 07+00E	41	1.3	1
A 07+50N 07+20E	9	.1	1
A 07+50N 07+40E	24	.7	2
A 07+50N 07+60E	23	1.1	4
A 07+50N 07+80E	12	.4	1
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A 07+00N 00+00E	13	.2	2
STD C/AU-S	58	7.1	48

SAMPLE#	CU PPM	AG PPM	AU* PPB
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A 07+00N 00+60E	15	.2	2
A 07+00N 00+80E	12	.9	1
A 07+00N 01+00E	18	.4	1
A 07+00N 01+20E	8	.2	2
A 07+00N 01+40E	23	.1	1
A 07+00N 01+60E	14	.2	1
A 07+00N 01+80E	20	.3	1
A 07+00N 02+00E	18	.4	1
A 07+00N 02+20E	23	.4	1
A 07+00N 02+40E	14	.2	1
A 07+00N 02+60E	14	.2	1
A 07+00N 02+80E	16	.4	1
A 07+00N 03+00E	27	.5	1
A 07+00N 03+40E	31	.6	2
A 07+00N 03+60E	29	.5	1
A 07+00N 03+80E	16	.4	1
A 07+00N 04+00E	26	.3	1
A 07+00N 04+20E	15	.2	1
A 07+00N 04+40E	16	.2	1
A 07+00N 04+60E	12	.1	1
A 07+00N 04+80E	20	.7	1
A 07+00N 05+00E	22	4.8	1
A 07+00N 05+20E	39	1.7	1
A 07+00N 05+40E	9	.2	1
A 07+00N 05+60E	11	.3	32
A 07+00N 05+80E	14	.2	1
A 07+00N 06+00E	7	.1	1
A 07+00N 06+20E	31	.7	1
A 07+00N 06+40E	19	.1	1
A 07+00N 06+60E	48	1.4	5
A 07+00N 06+80E	34	1.5	1
A 07+00N 07+00E	37	2.7	1
A 07+00N 07+20E	34	2.0	1
A 07+00N 07+40E	29	.7	1
A 07+00N 07+60E	19	.5	1
STD C/AU-S	59	7.3	47

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A 06+50N 00+40E	20	.1	1
A 06+50N 00+60E	15	.1	1
A 06+50N 00+80E	14	.1	2
A 06+50N 01+00E	7	.1	1
A 06+50N 01+20E	17	.4	4
A 06+50N 01+40E	13	.1	1
A 06+50N 01+60E	13	.1	1
A 06+50N 01+80E	7	.1	1
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A 06+50N 02+40E	18	.2	1
A 06+50N 02+60E	13	.3	1
A 06+50N 02+80E	17	.1	1
A 06+50N 03+00E	19	.1	1
A 06+50N 03+20E	11	.3	2
A 06+50N 03+40E	28	.6	1
A 06+50N 03+60E	13	.3	1
A 06+50N 03+80E	14	.3	1
A 06+50N 04+00E	27	1.4	1
A 06+50N 04+20E	21	.5	1
A 06+50N 04+40E	16	.5	1
A 06+50N 04+60E	11	.4	45
A 06+50N 04+80E	9	.3	1
A 06+50N 05+00E	15	.4	1
A 06+50N 05+20E	10	.1	1
A 06+50N 05+40E	11	.2	1
A 06+50N 05+60E	12	.1	3
A 06+50N 05+80E	13	.4	1
A 06+50N 06+00E	20	.3	1
A 06+50N 06+20E	32	.9	1
A 06+50N 06+40E	14	.4	1
A 06+50N 06+60E	14	.2	1
STD C/AU-S	59	7.0	48

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A 06+50N 07+60E	18	.2	2
A 06+50N 07+80E	19	.5	1
A 06+50N 08+00E	26	.5	1
A 06+00N 00+00E	13	.2	2
A 06+00N 00+20E	14	.1	52
A 06+00N 00+40E	19	.3	5
A 06+00N 00+60E	12	.2	6
A 06+00N 00+80E	11	.2	1
A 06+00N 01+00E	23	.2	1
A 06+00N 01+20E	17	.4	1
A 06+00N 01+40E	22	.5	81
A 06+00N 01+60E	11	.1	8
A 06+00N 01+80E	18	.1	1
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A 06+00N 02+20E	14	.4	1
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A 06+00N 02+60E	15	.4	1
A 06+00N 02+80E	38	.3	1
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A 06+00N 03+20E	19	.2	1
A 06+00N 03+40E	16	.3	1
A 06+00N 03+60E	15	.3	1
A 06+00N 03+80E	23	.3	1
A 06+00N 04+00E	18	.3	1
A 06+00N 04+20E	17	.4	1
A 06+00N 04+40E	10	.2	1
A 06+00N 04+60E	16	.5	2
A 06+00N 04+80E	9	.2	49
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A 06+00N 05+20E	20	.2	1
A 06+00N 05+40E	16	.2	5
A 06+00N 05+60E	11	.2	2
STD C/AU-S	57	6.7	48

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A 06+00N 06+60E	21	.2	13
A 06+00N 06+80E	16	.4	1
A 06+00N 07+00E	12	.2	1
A 06+00N 07+20E	17	.3	16
A 06+00N 07+40E	15	.4	1
A 06+00N 07+60E	18	.3	1
A 06+00N 07+80E	18	.2	1
A 06+00N 08+00E	10	.1	1
A 05+50N 00+00E	10	.2	1
A 05+50N 00+20E	22	.4	6
A 05+50N 00+40E	15	.2	1
A 05+50N 00+60E	17	.1	4
A 05+50N 00+80E	17	.5	45
A 05+50N 01+00E	18	.4	2
A 05+50N 01+20E	18	.8	1
STD C/AU-S	61	7.3	51
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A 05+50N 01+60E	20	.3	1
A 05+50N 01+80E	18	.2	39
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A 05+50N 02+20E	17	.4	1
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A 05+50N 02+60E	31	.1	3
A 05+50N 02+80E	19	.3	1
A 05+50N 03+00E	17	.2	1
A 05+50N 03+20E	18	.3	2
A 05+50N 03+40E	16	.6	1
A 05+50N 03+60E	18	.6	3
A 05+50N 03+80E	13	.3	1
A 05+50N 04+00E	25	.7	1
A 05+50N 04+20E	11	.3	2
A 05+50N 04+40E	23	1.0	3
A 05+50N 04+60E	18	.5	1

SAMPLE#	CU PPM	AG PPM	AU* PPB
A 05+50N 04+80E	23	.9	1
A 05+50N 05+00E	31	1.2	1
A 05+50N 05+20E	16	.3	2
A 05+50N 05+40E	15	.1	1
A 05+50N 05+60E	15	.1	1
A 05+50N 05+80E	31	.7	3
A 05+50N 06+00E	14	.3	5
A 05+50N 06+20E	14	.2	1
A 05+50N 06+40E	19	.3	5
A 05+50N 06+60E	15	.2	1
A 05+50N 06+80E	18	.6	1
A 05+50N 07+00E	18	.5	30
A 05+50N 07+20E	26	.2	1
A 05+50N 07+40E	27	.8	1
A 05+50N 07+60E	34	.8	2
A 05+50N 07+80E	18	.4	1
A 05+50N 08+00E	13	.2	1
A 05+00N 00+00E	27	.2	3
A 05+00N 00+20E	25	.3	4
A 05+00N 00+40E	7	.1	3
A 05+00N 00+60E	11	.3	4
A 05+00N 00+80E	9	.1	5
A 05+00N 01+00E	11	.2	12
A 05+00N 01+20E	15	.4	41
A 05+00N 01+40E	17	.1	3
A 05+00N 01+60E	14	.3	8
A 05+00N 01+80E	18	.3	2
A 05+00N 02+00E	19	.3	8
A 05+00N 02+20E	14	.8	3
A 05+00N 02+40E	22	.4	7
A 05+00N 02+60E	20	.3	3
A 05+00N 02+80E	19	.2	7
A 05+00N 03+00E	25	1.4	34
A 05+00N 03+20E	29	.5	1
A 05+00N 03+40E	20	.4	1
A 05+00N 03+60E	15	.4	1
STD C/AU-S	57	6.9	49

SAMPLE#	CU PPM	AG PPM	AU* PPB
A 05+00N 03+80E	14	.2	1
A 05+00N 04+00E	12	.4	4
A 05+00N 04+20E	17	.4	2
A 05+00N 04+40E	12	.8	1
A 05+00N 04+60E	18	.6	1
A 05+00N 04+80E	9	.2	2
A 05+00N 05+00E	34	2.0	1
A 05+00N 05+20E	19	.8	1
A 05+00N 05+40E	15	.4	1
A 05+00N 05+60E	15	.1	1
A 05+00N 05+80E	7	.2	2
A 05+00N 06+00E	16	.3	1
A 05+00N 06+20E	11	.4	1
A 05+00N 06+40E	8	.1	1
A 05+00N 06+60E	7	.1	1
A 05+00N 06+80E	11	.4	1
A 05+00N 07+00E	22	.3	3
A 05+00N 07+20E	25	1.7	1
A 05+00N 07+40E	13	.1	1
A 05+00N 07+60E	13	.2	1
A 05+00N 07+80E	27	.9	2
A 05+00N 08+00E	29	.4	1
A 04+50N 00+00E	14	.2	1
A 04+50N 00+20E	12	.5	23
A 04+50N 00+40E	16	.5	2
A 04+50N 00+60E	54	.3	31
A 04+50N 00+80E	15	.6	2
A 04+50N 01+00E	14	.5	1
A 04+50N 01+20E	17	.5	3
A 04+50N 01+40E	36	.4	2
A 04+50N 01+60E	23	.3	1
A 04+50N 01+80E	23	.3	1
A 04+50N 02+00E	24	.3	1
A 04+50N 02+20E	21	.5	1
A 04+50N 02+40E	23	.5	3
A 04+50N 02+60E	38	.4	1
STD C/AU-S	60	7.1	48

SAMPLE#	CU PPM	AG PPM	AU* PPB
A 04+50N 02+80E	14	.2	8
A 04+50N 03+00E	12	.7	1
A 04+50N 03+20E	12	.5	1
A 04+50N 03+40E	16	.3	1
A 04+50N 03+60E	18	.7	1
A 04+50N 03+80E	14	.3	1
A 04+50N 04+00E	18	.5	1
A 04+50N 04+20E	15	.2	1
A 04+50N 04+40E	17	.4	1
A 04+50N 04+60E	14	.4	2
A 04+50N 04+80E	18	.4	1
A 04+50N 05+00E	14	.3	1
A 04+50N 05+20E	17	.3	1
A 04+50N 05+40E	11	.3	32
A 04+50N 05+60E	21	.5	1
A 04+50N 05+80E	10	.4	1
A 04+50N 06+00E	32	.7	1
A 04+50N 06+20E	5	.1	1
A 04+50N 06+40E	31	1.0	1
A 04+50N 06+60E	15	.5	1
A 04+50N 06+80E	20	.4	2
A 04+50N 07+00E	23	1.3	1
A 04+50N 07+20E	23	1.4	1
A 04+50N 07+40E	33	1.2	1
A 04+50N 07+60E	28	1.2	10
A 04+50N 07+80E	14	.2	1
A 04+50N 08+00E	10	.1	1
A 04+00N 00+00E	15	.4	1
A 04+00N 00+20E	26	.2	1
A 04+00N 00+40E	16	.5	1
A 04+00N 00+60E	20	.3	1
A 04+00N 00+80E	18	1.0	172
A 04+00N 01+00E	20	.4	1
A 04+00N 01+20E	52	.3	1
A 04+00N 01+40E	14	.6	1
A 04+00N 01+60E	24	.6	1
STD C/AU-S	60	7.2	50

SAMPLE#		CU PPM	AG PPM	AU* PPB
A 04+00N 01+80E		22	.5	3
A 04+00N 02+00E		27	.9	30
A 04+00N 02+20E		17	.2	4
A 04+00N 02+40E		35	1.1	1
A 04+00N 02+60E		31	.1	12
A 04+00N 02+80E		20	.4	4
A 04+00N 03+00E		17	.9	1
A 04+00N 03+20E		13	.4	2
A 04+00N 03+40E		17	.9	1
A 04+00N 03+60E		18	.5	1
A 04+00N 03+80E		22	.6	6
A 04+00N 04+00E		21	.8	1
A 04+00N 04+20E		23	.5	1
A 04+00N 04+40E		13	.5	1
A 04+00N 04+60E		13	.2	1
A 04+00N 04+80E		13	.1	1
A 04+00N 05+00E		14	.2	2
A 04+00N 05+20E		12	.2	1
A 04+00N 05+40E		25	1.0	1
A 04+00N 05+60E		18	.1	109
A 04+00N 05+80E		23	.5	32
A 04+00N 06+00E		18	.4	2
A 04+00N 06+20E		8	.3	1
A 04+00N 06+40E		11	.1	4
A 04+00N 06+60E		11	.3	1
A 04+00N 06+80E		16	.2	1
A 04+00N 07+00E		27	.1	1
A 04+00N 07+20E		15	.2	1
A 04+00N 07+40E		14	.7	1
A 04+00N 07+60E		26	1.2	1
A 04+00N 07+80E		27	.5	1
A 04+00N 08+00E		34	1.1	1
A 03+50N 00+00E		61	1.3	1
A 03+50N 00+20E		36	.1	6
A 03+50N 00+40E		24	.4	17
A 03+50N 00+60E		26	.5	15
STD C/AU-S		58	7.2	53

SAMPLE#	CU PPM	AG PPM	AU* PPB
A 03+50N 00+80E	17	.2	6
A 03+50N 01+00E	13	.5	1
A 03+50N 01+20E	23	.4	15
A 03+50N 01+40E	46	.2	5
A 03+50N 01+60E	27	.6	1
A 03+50N 01+80E	31	.3	4
A 03+50N 02+00E	19	.7	2
A 03+50N 02+20E	15	.3	3
A 03+50N 02+40E	15	.2	1
A 03+50N 02+80E	10	.1	3
A 03+50N 03+00E	15	.6	1
A 03+50N 03+20E	16	1.1	74
A 03+50N 03+40E	13	1.0	4
A 03+50N 03+60E	19	1.6	1
A 03+50N 03+80E	13	.4	1
A 03+50N 04+00E	30	2.9	8
A 03+50N 04+20E	21	.4	1
A 03+50N 04+40E	17	.5	1
A 03+50N 04+60E	17	.5	1
A 03+50N 04+80E	17	.4	1
A 03+50N 05+00E	14	.4	1
A 03+50N 05+20E	13	.6	3
A 03+50N 05+40E	8	.1	1
A 03+50N 05+60E	19	.2	1
A 03+50N 05+80E	17	.6	1
A 03+50N 06+00E	18	.2	1
A 03+50N 06+20E	19	.2	1
A 03+50N 06+40E	15	.5	2
A 03+50N 06+60E	11	.2	1
A 03+50N 06+80E	11	.2	1
A 03+50N 07+00E	23	.2	1
A 03+50N 07+20E	12	.2	1
A 03+50N 07+40E	23	.3	10
A 03+50N 07+60E	10	.7	1
A 03+50N 07+80E	15	.4	1
A 03+50N 08+00E	22	1.9	2
STD C/AU-S	58	7.0	52

SAMPLE#	CU PPM	AG PPM	AU* PPB
A 03+00N 00+00E	17	.4	1
A 03+00N 00+20E	17	.4	2
A 03+00N 00+40E	15	.5	56
A 03+00N 00+60E	53	1.1	2
A 03+00N 00+80E	17	.4	1
A 03+00N 01+00E	17	.6	1
A 03+00N 01+20E	14	.3	1
A 03+00N 01+40E	41	.8	1
A 03+00N 01+60E	21	.6	1
A 03+00N 01+80E	27	.8	1
A 03+00N 02+00E	16	.5	1
A 03+00N 02+20E	15	1.0	1
A 03+00N 02+40E	22	.2	1
A 03+00N 02+60E	25	.7	1
STD C/AU-S	60	6.9	49
A 03+00N 02+80E	128	.7	2
A 03+00N 03+00E	21	.4	1
A 03+00N 03+20E	21	.8	34
A 03+00N 03+40E	14	.3	4
A 03+00N 03+60E	13	.9	1
A 03+00N 03+80E	16	.7	1
A 03+00N 04+00E	15	.6	1
A 03+00N 04+20E	16	.7	1
A 03+00N 04+40E	37	1.7	1
A 03+00N 04+60E	25	.8	1
A 03+00N 04+80E	19	.7	1
A 03+00N 05+00E	17	.4	1
A 03+00N 05+20E	20	.8	1
A 03+00N 05+40E	26	1.1	1
A 03+00N 05+60E	21	.6	1
A 03+00N 05+80E	25	.9	1
A 03+00N 06+00E	23	.9	1
A 03+00N 06+20E	12	.4	1
A 03+00N 06+40E	24	.8	1
A 03+00N 06+60E	16	.3	1
A 03+00N 06+80E	18	.3	2
A 03+00N 07+00E	15	.2	1

SAMPLE#		CU PPM	AG PPM	AU* PPB
A 03+00N 07+20E		11	.4	1
A 03+00N 07+40E		13	.4	1
A 03+00N 07+60E		10	.7	1
A 03+00N 07+80E		14	.5	1
A 03+00N 08+00E		12	.6	1
A 02+50N 00+00E		20	.5	1
A 02+50N 00+20E		23	.9	5
A 02+50N 00+40E		38	.7	1
A 02+50N 00+60E		14	.5	25
A 02+50N 00+80E		25	.7	1
A 02+50N 01+00E		16	.2	1
A 02+50N 01+20E		15	.3	1
A 02+50N 01+40E		14	.6	3
A 02+50N 01+60E		13	.2	1
A 02+50N 01+80E		19	.3	1
A 02+50N 02+00E		20	.4	1
A 02+50N 02+20E		39	.6	7
A 02+50N 02+40E		16	.5	1
A 02+50N 02+60E		18	.4	1
A 02+50N 02+80E		26	.9	1
A 02+50N 03+00E		16	.3	23
A 02+50N 03+20E		16	.8	5
A 02+50N 03+40E		23	.8	4
A 02+50N 03+60E		13	.7	1
A 02+50N 03+80E		15	.6	1
A 02+50N 04+00E		15	.7	10
A 02+50N 04+20E		14	.5	1
A 02+50N 04+40E		19	.4	1
A 02+50N 04+60E		28	.5	6
A 02+50N 04+80E		73	2.4	1
A 02+50N 05+00E		40	1.6	1
A 02+50N 05+20E		37	1.0	1
A 02+50N 05+40E		26	.7	1
A 02+50N 05+60E	15 A	41	1.4	1
A 02+50N 05+80E		20	.8	1
A 02+50N 06+00E		11	.6	3
STD C/AU-S		58	6.9	48

SAMPLE#		CU PPM	AG PPM	AU* PPB
A 02+50N 06+20E		22	.7	2
A 02+50N 06+40E		17	.6	1
A 02+50N 06+60E		12	.4	1
A 02+50N 06+80E		10	.1	1
A 02+50N 07+00E		30	.2	1
A 02+50N 07+20E		14	.2	13
A 02+50N 07+40E		12	.1	1
A 02+50N 07+60E		12	.4	1
A 02+50N 07+80E		15	.1	1
A 02+50N 08+00E		15	.2	4
A 02+00N 00+00E		25	.3	1
A 02+00N 00+20E		20	.8	1
A 02+00N 00+40E		21	1.1	1
A 02+00N 00+60E		31	1.4	1
A 02+00N 00+80E		33	.5	2
A 02+00N 01+00E		20	.3	1
A 02+00N 01+20E		45	3.2	1
A 02+00N 01+40E		39	.5	15
A 02+00N 01+60E		19	.3	2
A 02+00N 01+80E		46	.1	1
A 02+00N 02+00E		17	.4	6
A 02+00N 02+20E		16	.5	1
A 02+00N 02+40E		35	.5	3
A 02+00N 02+60E		53	.6	1
STD C/AU-S		59	7.1	53
A 02+00N 02+80E		24	.4	3
A 02+00N 03+20E		18	.6	1
A 02+00N 03+40E		38	.7	1
A 02+00N 03+60E		22	.3	1
A 02+00N 03+80E		13	.3	1
A 02+00N 04+00E		15	.2	1
A 02+00N 04+20E		24	.2	2
A 02+00N 04+40E		19	.7	1
A 02+00N 04+60E		20	.3	1
A 02+00N 04+80E		23	.2	1
A 02+00N 05+00E		21	2.7	1
A 02+00N 05+20E		28	1.7	2

SAMPLE#	CU PPM	AG PPM	AU* PPB
A 02+00N 05+40E	41	1.7	4
A 02+00N 05+60E	26	.5	24
A 02+00N 05+80E	33	1.0	2
A 02+00N 06+00E	25	.5	1
A 02+00N 06+20E	17	.3	1
A 02+00N 06+40E	19	.2	1
A 02+00N 06+60E	18	.3	1
A 02+00N 06+80E	10	.3	1
A 02+00N 07+00E	15	.5	1
A 02+00N 07+20E	15	.4	1
A 02+00N 07+40E	20	.4	1
A 02+00N 07+60E	15	.1	2
A 02+00N 07+80E	14	.3	1
A 02+00N 08+00E	23	.3	1
A 01+50N 00+00E	23	1.0	1
A 01+50N 00+20E	22	.3	1
A 01+50N 00+40E	24	.2	1
A 01+50N 00+60E	16	.5	1
A 01+50N 00+80E	14	.1	2
A 01+50N 01+00E	15	.2	1
A 01+50N 01+20E	40	.6	2
A 01+50N 01+40E	21	.5	1
A 01+50N 01+60E	18	.4	1
A 01+50N 01+80E	42	.6	1
A 01+50N 02+00E	31	.6	2
A 01+50N 02+20E	15	.5	3
A 01+50N 02+40E	18	.7	1
A 01+50N 02+60E	24	.9	3
A 01+50N 02+80E	23	.7	1
A 01+50N 03+00E	15	.4	1
A 01+50N 03+20E	16	.3	1
A 01+50N 03+40E	22	.9	1
A 01+50N 03+60E	13	.7	2
A 01+50N 03+80E	15	.6	1
A 01+50N 04+00E	30	.5	1
A 01+50N 04+20E	15	.4	3
STD C/AU-S	58	7.2	51

SAMPLE#	CU PPM	AG PPM	AU* PPB
A 01+50N 04+40E	18	.5	1
A 01+50N 04+60E	16	.7	1
A 01+50N 04+80E	14	.5	1
A 01+50N 05+00E	12	.5	1
A 01+50N 05+20E	13	.2	1
A 01+50N 05+40E	18	.8	1
A 01+50N 05+60E	30	.5	2
A 01+50N 05+80E	20	.4	1
A 01+50N 06+00E	12	.7	1
A 01+50N 06+20E	11	.2	3
A 01+50N 06+40E	11	.4	1
A 01+50N 06+60E	9	.2	1
A 01+50N 06+80E	23	.9	1
A 01+50N 07+00E	14	.3	1
A 01+50N 07+20E	10	.3	1
A 01+50N 07+40E	11	.4	1
A 01+50N 07+60E	14	.6	8
A 01+50N 07+80E	15	.4	1
A 01+50N 08+00E	13	.2	1
A 01+00N 00+00E	15	.4	2
A 01+00N 00+20E	16	.2	4
A 01+00N 00+40E	13	.2	3
A 01+00N 00+60E	19	.2	7
A 01+00N 00+80E	20	.3	15
A 01+00N 01+00E	18	.7	13
A 01+00N 01+20E	17	.5	6
A 01+00N 01+40E	18	.1	13
A 01+00N 01+60E	19	.4	4
A 01+00N 01+80E	22	.3	5
A 01+00N 02+00E	40	.8	32
A 01+00N 02+20E	16	.4	8
A 01+00N 02+40E	28	.7	13
A 01+00N 02+60E	29	.7	11
A 01+00N 02+80E	24	.5	16
A 01+00N 03+00E	24	.6	16
A 01+00N 03+20E	17	.6	1
STD C/AU-S	58	6.9	50

SAMPLE#	CU PPM	AG PPM	AU* PPB
A 01+00N 03+40E	16	.3	1
A 01+00N 03+60E	18	.8	1
A 01+00N 03+80E	19	.4	5
A 01+00N 04+00E	25	1.5	1
A 01+00N 04+20E	22	.7	1
A 01+00N 04+40E	12	.4	6
A 01+00N 04+60E	11	.4	1
A 01+00N 04+80E	22	.1	1
A 01+00N 05+00E	20	.4	1
A 01+00N 05+20E	14	.2	4
A 01+00N 05+40E	10	.3	1
A 01+00N 05+60E	21	1.4	1
A 01+00N 05+80E	22	.4	1
A 01+00N 06+00E	19	.4	1
A 01+00N 06+20E	21	.7	1
A 01+00N 06+40E	14	.3	1
A 01+00N 06+60E	19	.5	3
A 01+00N 06+80E	20	.6	1
A 01+00N 07+00E	16	.1	5
A 01+00N 07+20E	12	.6	1
A 01+00N 07+40E	16	.5	1
A 01+00N 07+60E	18	.8	1
A 01+00N 07+80E	13	.2	1
A 01+00N 08+00E	10	.2	2
A 00+50N 00+00E	11	.3	1
A 00+50N 00+20E	7	.1	1
A 00+50N 00+40E	17	.2	1
A 00+50N 00+60E	19	.3	1
A 00+50N 00+80E	16	.6	1
A 00+50N 01+00E	16	.4	2
A 00+50N 01+20E	47	.3	1
A 00+50N 01+40E	21	.3	1
A 00+50N 01+60E	20	.2	1
A 00+50N 01+80E	24	.3	1
A 00+50N 02+00E	27	.4	1
A 00+50N 02+20E	18	.4	1
STD C/AU-S	58	7.0	47

SAMPLE#	CU PPM	AG PPM	AU* PPB
A 00+50N 02+40E	11	.4	1
A 00+50N 02+60E	20	.2	1
A 00+50N 02+80E	12	.2	3
A 00+50N 03+00E	11	.4	1
A 00+50N 03+20E	15	.2	1
A 00+50N 03+60E	23	.8	41
A 00+50N 03+80E	16	.3	6
A 00+50N 04+00E	15	.4	2
A 00+50N 04+20E	17	.3	82
A 00+50N 04+40E	18	.8	3
A 00+50N 04+80E	19	.7	1
A 00+50N 05+00E	10	.3	1
A 00+50N 05+20E	21	.3	2
A 00+50N 05+40E	15	.5	1
A 00+50N 05+60E	16	.4	2
A 00+50N 05+80E	18	.7	1
A 00+50N 06+20E	40	1.6	3
A 00+50N 06+40E	43	1.3	1
A 00+50N 06+60E	32	.9	1
A 00+50N 06+80E	41	1.5	1
A 00+50N 07+20E	18	.7	2
A 00+50N 07+40E	22	.9	1
A 00+50N 07+60E	10	.4	4
A 00+50N 07+80E	29	.8	1
A 00+50N 08+00E	24	.5	1
A 00+00N 00+00E	11	.1	1
A 00+00N 00+20E	13	.2	1
A 00+00N 00+40E	10	.3	1
A 00+00N 00+60E	16	.4	1
A 00+00N 00+80E	15	.4	2
A 00+00N 01+00E	17	1.2	2
A 00+00N 01+20E	22	.4	1
A 00+00N 01+40E	17	.5	2
A 00+00N 01+60E	17	.3	1
A 00+00N 01+80E	9	.1	2
A 00+00N 02+00E	20	.8	1
STD C/AU-S	61	7.4	49

SAMPLE#	CU PPM	AG PPM	AU* PPB
A 00+00N 02+20E	23	.9	6
A 00+00N 02+40E	23	.8	1
A 00+00N 02+60E	27	.8	1
A 00+00N 02+80E	15	.3	1
A 00+00N 03+00E	33	.2	4
A 00+00N 03+20E	20	.7	5
A 00+00N 03+40E	19	.4	2
A 00+00N 03+60E	18	.4	4
A 00+00N 03+80E	20	.8	3
A 00+00N 04+00E	18	.9	1
A 00+00N 04+20E	19	.9	1
A 00+00N 04+40E	19	.6	4
A 00+00N 04+60E	17	.5	1
A 00+00N 04+80E	17	.6	1
A 00+00N 05+00E	20	.9	1
A 00+00N 05+20E	16	.7	2
A 00+00N 05+40E	14	.1	1
A 00+00N 05+60E	14	.3	1
A 00+00N 05+80E	15	.2	1
A 00+00N 06+00E	15	.3	1
A 00+00N 06+20E	22	1.1	1
A 00+00N 06+40E	21	.8	1
A 00+00N 06+60E	17	.5	3
A 00+00N 06+80E	18	.3	2
A 00+00N 07+00E	13	.5	1
A 00+00N 07+20E	12	.3	1
A 00+00N 07+40E	14	.3	1
A 00+00N 07+60E	16	.4	1
A 00+00N 07+80E	22	.7	3
A 00+00N 08+00E	21	.6	2
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B 04+00N 05+00W	21	.1	3
B 04+00N 04+80W	15	.8	5
B 04+00N 04+60W	21	1.2	3
B 04+00N 04+40W	15	.4	1
B 04+00N 02+80W	28	.6	325
B 04+00N 02+60W	17	.8	4
STD C/AU-S	58	7.1	52

SAMPLE#	CU PPM	AG PPM	AU* PPB
B 04+00N 02+40W	40	1.2	1
B 04+00N 02+20W	23	.5	1
B 04+00N 02+00W	23	.6	1
B 04+00N 01+80W	24	.7	1
B 04+00N 01+40W	24	.7	1
B 04+00N 01+20W	17	.3	1
B 04+00N 01+00W	18	.4	2
B 04+00N 00+80W	16	.7	1
B 04+00N 00+20W	17	.3	1
B 04+00N 00+00W	24	1.0	4
B 04+00N 00+20E	17	.6	1
B 04+00N 00+40E	13	.2	1
B 04+00N 00+60E	15	.1	3
B 04+00N 00+80E	18	.3	1
B 04+00N 1+00E	14	.1	1
B 04+00N 1+20E	18	.3	1
B 04+00N 1+40E	17	.3	1
B 04+00N 1+60E	16	.6	7
B 04+00N 1+80E	17	.6	1
B 04+00N 2+00E	20	.1	1
B 04+00N 2+20E	12	.2	1
B 04+00N 2+40E	11	.3	4
B 04+00N 2+60E	15	.2	1
B 04+00N 3+00E	25	.2	1
B 04+00N 3+20E	20	.1	1
B 04+00N 3+40E	21	.1	1
B 04+00N 3+60E	15	.2	1
B 04+00N 3+80E	17	.2	1
B 04+00N 4+00E	32	.3	1
B 04+00N 6+00E	31	.4	2
B 04+00N 6+20E	32	.5	1
B 04+00N 6+40E	30	.5	1
B 04+00N 6+60E	19	.4	32
B 04+00N 6+80E	28	.7	1
B 04+00N 7+00E	24	.3	1
B 04+00N 7+20E	15	.2	1
STD C/AU-S	58	6.9	49

SAMPLE#	CU PPM	AG PPM	AU* PPB
B 4+00N 7+40E	14	.6	1
B 4+00N 7+60E	17	.4	2
B 4+00N 7+80E	18	.5	2
B 4+00N 8+00E	20	.6	7
B 3+50N 05+00W	18	.3	1
B 3+50N 04+80W	28	.1	1
B 3+50N 04+60W	21	1.4	2
B 3+50N 04+40W	21	.4	2
B 3+50N 04+20W	27	.3	1
B 3+50N 04+00W	16	.3	1
B 3+50N 03+80W	15	.4	1
B 3+50N 02+60W	19	.2	17
B 3+50N 02+20W	33	1.1	1
B 3+50N 01+80W	21	.8	1
B 3+50N 01+60W	16	.6	7
B 3+50N 01+40W	16	.5	1
B 3+50N 01+00W	18	.5	1
B 3+50N 00+60W	22	1.0	1
B 3+50N 00+40W	11	.3	1
B 3+50N 00+00E	14	.5	1
B 3+50N 00+20E	27	.7	1
B 3+50N 00+40E	23	.6	12
B 3+50N 00+60E	12	.4	1
B 3+50N 1+00E	17	.5	2
B 3+50N 1+20E	16	.3	2
B 3+50N 1+40E	14	.4	1
B 3+50N 1+60E	14	.3	1
B 3+50N 1+80E	12	.2	12
B 3+50N 2+00E	20	2.2	6
B 3+50N 2+20E	24	1.0	2
B 3+50N 2+40E	16	1.0	1
B 3+50N 2+60E	13	.5	1
B 3+50N 2+80E	16	.3	1
B 3+50N 3+20E	31	.4	4
B 3+50N 3+40E	22	.3	2
B 3+50N 3+60E	22	.1	1
STD C/AU-S	57	7.0	48

SAMPLE#	CU PPM	AG PPM	AU* PPB
B 3+50N 3+80E	15	.3	16
B 3+50N 4+00E	19	.4	1
B 3+50N 4+20E	32	.4	2
B 3+50N 4+40E	27	.2	1
B 3+50N 5+80E	23	.5	2
B 3+50N 6+00E	18	.4	3
B 3+50N 6+60E	41	1.0	11
B 3+50N 6+80E	34	.9	3
B 3+50N 7+00E	26	.5	10
B 3+50N 7+20E	22	.6	3
B 3+50N 7+40E	22	.3	3
B 3+50N 7+60E	18	.4	3
B 3+50N 7+80E	20	.5	1
B 3+50N 8+00E	17	.5	5
B 3+00N 05+00W	13	.7	2
B 3+00N 04+80W	17	.6	12
B 3+00N 04+60W	20	.2	1
B 3+00N 04+40W	17	.2	2
B 3+00N 04+20W	15	.7	2
B 3+00N 04+00W	22	.7	2
B 3+00N 03+80W	16	.5	4
B 3+00N 03+60W	20	.3	3
B 3+00N 03+00W	13	.4	1
B 3+00N 02+80W	12	.2	1
B 3+00N 02+20W	19	.8	1
B 3+00N 02+00W	21	.5	16
B 3+00N 01+80W	21	.6	1
B 3+00N 01+40W	23	.4	1
B 3+00N 01+20W	15	.3	1
B 3+00N 01+00W	18	.4	1
B 3+00N 00+80W	14	.4	1
B 3+00N 00+60W	12	.1	1
B 3+00N 00+40W	10	.4	1
B 3+00N 00+20W	17	.3	1
B 3+00N 00+40E	12	.3	2
B 3+00N 00+60E	13	.2	2
STD C/AU-S	59	7.0	49

SAMPLE#	CU PPM	AG PPM	AU* PPB
B 3+00N 0+80E	16	.6	1
B 3+00N 1+00E	17	.4	1
B 3+00N 1+20E	17	.8	5
B 3+00N 1+40E	14	.5	1
B 3+00N 2+20E	56	.7	1
B 3+00N 3+40E	37	.5	1
B 3+00N 3+60E	48	.6	1
B 3+00N 3+80E	28	.6	8
B 3+00N 4+00E	25	.5	1
B 3+00N 4+20E	17	.4	3
B 3+00N 4+40E	22	.5	1
B 3+00N 4+60E	19	.5	3
B 3+00N 4+80E	26	.2	1
B 3+00N 5+20E	22	.7	1
B 3+00N 5+40E	27	.7	1
B 3+00N 5+60E	25	.2	3
B 3+00N 5+80E	22	.3	1
B 3+00N 6+00E	25	.1	3
B 3+00N 6+20E	24	.3	1
B 3+00N 6+40E	17	.2	4
B 3+00N 6+60E	33	.9	1
B 3+00N 6+80E	45	1.5	1
B 3+00N 7+00E	35	1.3	15
B 3+00N 7+20E	28	.4	5
B 3+00N 7+40E	29	.8	1
B 3+00N 7+60E	20	.4	1
B 3+00N 7+80E	27	1.2	1
B 3+00N 8+00E	26	.5	1
B 02+50N 05+00W	49	.6	1
B 02+50N 04+80W	30	.4	1
B 02+50N 04+60W	22	.2	5
B 02+50N 04+40W	28	.1	6
B 02+50N 04+20W	21	.5	1
B 02+50N 04+00W	54	.5	7
B 02+50N 03+80W	20	.6	1
B 02+50N 03+60W	18	.6	1
STD C/AU-S	59	7.2	48

SAMPLE#	CU PPM	AG PPM	AU* PPB
B 02+50N 03+40W	20	.4	3
B 02+50N 03+20W	38	.2	4
B 02+50N 03+00W	13	.3	1
B 02+50N 02+40W	20	.2	1
B 02+50N 01+60W	14	.5	1
B 02+50N 01+40W	13	.3	1
B 02+50N 00+00W	14	.5	1
B 02+50N 0+20E	17	.5	1
B 02+50N 1+20E	16	.5	1
B 02+50N 1+60E	15	.5	1
B 02+50N 1+80E	15	.5	1
B 02+50N 2+00E	25	.5	1
B 02+50N 2+40E	21	.6	2
B 02+50N 03+60E	79	.6	1
B 02+50N 03+80E	43	.6	1
B 02+50N 04+00E	75	.5	1
B 02+50N 04+20E	43	.8	2
B 02+50N 04+40E	22	.7	1
B 02+50N 04+80E	17	.3	1
B 02+50N 05+00E	14	.5	1
B 02+50N 05+20E	24	.4	1
B 02+50N 05+40E	22	.4	2
B 02+50N 05+60E	33	.5	1
B 02+50N 05+80E	35	.6	5
B 02+50N 6+00E	48	.3	7
B 02+50N 6+20E	24	.4	1
B 02+50N 6+40E	24	.3	3
B 02+50N 6+60E	19	.9	15
B 02+50N 6+80E	24	.7	4
B 02+50N 7+00E	25	.4	3
B 02+50N 7+20E	31	.8	1
B 02+50N 7+80E	27	.6	26
B 02+50N 8+00E	22	.9	1
B 02+00N 04+00W	23	.3	1
B 02+00N 03+80W	22	.5	1
B 02+00N 03+60W	25	.4	1
STD C/AU-S	58	7.1	51

SAMPLE#	CU PPM	AG PPM	AU* PPB
B 02+00N 03+40W	19	1.0	1
B 02+00N 03+20W	12	.7	1
B 02+00N 02+60W	13	.5	4
B 02+00N 02+40W	17	.6	1
B 02+00N 01+60W	25	1.2	1
B 02+00N 01+40W	22	.7	1
B 02+00N 01+20W	18	.3	1
B 02+00N 01+00W	13	.5	1
B 02+00N 00+80W	17	.5	1
B 02+00N 00+40W	19	.4	3
B 02+00N 00+00W	21	.7	7
B 02+00N 00+80E	18	.6	1
B 02+00N 01+00E	15	.7	1
B 02+00N 01+20E	15	.3	1
B 02+00N 01+40E	14	.3	1
B 02+00N 01+60E	15	.4	1
B 02+00N 01+80E	14	.4	2
B 02+00N 02+00E	13	.2	1
B 02+00N 02+20E	21	.4	1
B 02+00N 02+40E	37	.3	1
B 02+00N 02+60E	23	.7	5
B 02+00N 02+80E	24	.6	1
B 02+00N 03+00E	21	.3	1
B 02+00N 03+40E	16	.2	1
B 02+00N 03+60E	17	.6	3
B 02+00N 04+20E	21	.6	1
B 02+00N 04+40E	31	.5	1
B 02+00N 04+60E	23	1.1	1
B 02+00N 04+80E	17	.4	1
B 02+00N 05+00E	22	.4	1
B 02+00N 05+20E	17	.4	1
B 02+00N 05+40E	24	.6	1
B 02+00N 05+60E	21	.3	1
B 02+00N 05+80E	25	.3	1
B 02+00N 06+00E	24	.1	1
B 02+00N 06+20E	19	.3	1
STD C/AU-S	58	7.2	49

SAMPLE#	CU PPM	AG PPM	AU* PPB
B 02+00N 06+40E	28	.3	1
B 02+00N 06+60E	24	.6	3
B 02+00N 06+80E	29	.5	1
B 02+00N 07+00E	35	1.0	9
B 02+00N 07+20E	28	.6	3
B 02+00N 07+40E	27	.3	5
B 02+00N 07+60E	29	.3	6
B 02+00N 08+40E	19	.5	4
B 02+00N 08+60E	20	.6	4
B 02+00N 08+80E	17	.8	1
B 02+00N 09+00E	23	.8	6
B 01+50N 04+00W	19	.3	4
B 01+50N 03+80W	52	.7	1
B 01+50N 03+60W	21	.4	1
B 01+50N 03+40W	16	.2	4
B 01+50N 03+20W	20	.2	1
B 01+50N 03+00W	29	.5	1
B 01+50N 01+80W	20	.5	3
B 01+50N 01+40W	17	.6	1
B 01+50N 01+20W	15	.1	1
B 01+50N 01+00W	20	.2	2
B 01+50N 00+80W	19	.4	1
B 01+50N 00+20W	12	.1	1
B 01+50N 00+40E	18	.5	1
B 01+50N 00+60E	13	.2	2
B 01+50N 00+80E	16	.3	1
B 01+50N 01+00E	14	.2	1
B 01+50N 01+20E	19	.3	1
B 01+50N 01+40E	13	.3	1
B 01+50N 01+60E	17	.1	1
B 01+50N 01+80E	17	.2	1
B 01+50N 02+00E	22	.2	2
B 01+50N 02+20E	15	.1	1
B 01+50N 02+40E	17	.5	1
B 01+50N 02+60E	16	.3	1
B 01+50N 02+80E	14	.4	1
STD C/AU-S	59	7.3	52

SAMPLE#	CU PPM	AG PPM	AU* PPB
B 01+50N 03+00E	37	.4	1
B 01+50N 03+20E	22	.3	1
B 01+50N 03+40E	10	.3	1
B 01+50N 04+00E	20	.2	1
B 01+50N 04+20E	21	.6	1
B 01+50N 04+40E	19	.3	4
B 01+50N 04+80E	18	.3	1
B 01+50N 5+00E	18	.6	1
B 01+50N 5+20E	24	.4	1
B 01+50N 5+40E	24	.4	1
B 01+50N 5+60E	17	.3	1
B 01+50N 5+80E	31	.2	1
B 01+50N 6+00E	24	.1	1
B 01+50N 6+20E	19	.3	4
B 01+50N 6+40E	29	.2	28
B 01+50N 6+60E	23	.5	4
B 01+50N 6+80E	25	.6	3
B 01+50N 7+00E	30	.5	5
B 01+50N 7+20E	29	.9	7
B 01+50N 7+40E	32	1.1	3
B 01+50N 7+60E	29	1.1	14
B 01+50N 7+80E	13	.3	1
B 01+50N 8+00E	30	.3	1
B 01+50N 8+40E	25	.8	1
B 01+50N 8+60E	23	.9	1
B 01+50N 8+80E	23	.8	3
B 01+50N 9+00E	20	.5	3
B 01+00N 04+00W	13	.7	4
B 01+00N 03+80W	20	.2	5
B 01+00N 03+60W	19	.4	3
B 01+00N 03+20W	18	.1	3
B 01+00N 03+00W	19	.1	5
B 01+00N 02+80W	26	.1	6
B 01+00N 02+40W	36	.3	5
B 01+00N 02+20W	18	.4	4
B 01+00N 01+60W	15	.1	3
STD C/AU-S	59	7.1	47

SAMPLE#	CU PPM	AG PPM	AU* PPB
B 01+00N 01+40W	20	.4	3
B 01+00N 01+20W	19	.1	46
B 01+00N 01+00W	19	.1	5
B 01+00N 00+80W	20	.1	2
B 01+00N 00+60W	13	.1	2
B 01+00N 00+40W	16	.3	6
B 01+00N 00+40E	19	.3	1
B 01+00N 00+60E	17	.4	1
B 01+00N 00+80E	18	.2	2
B 01+00N 01+00E	17	.1	1
B 01+00N 01+20E	19	.4	1
B 01+00N 01+40E	21	.2	1
B 01+00N 01+60E	34	.1	1
B 01+00N 01+80E	18	.2	2
B 01+00N 02+00E	20	.1	2
B 01+00N 02+20E	18	.1	2
B 01+00N 02+40E	23	.1	4
B 01+00N 02+60E	22	.3	2
B 01+00N 02+80E	18	.3	1
B 01+00N 03+00E	18	.1	1
B 01+00N 03+20E	24	.2	82
STD C/AU-S	59	6.9	54
B 01+00N 03+40E	24	.3	3
B 01+00N 05+00E	33	.2	1
B 01+00N 05+20E	17	.4	3
B 01+00N 05+40E	31	.5	2
B 01+00N 05+60E	24	.3	1
B 01+00N 05+80E	26	.6	7
B 01+00N 06+00E	31	.3	2
B 01+00N 06+20E	21	.2	3
B 01+00N 06+40E	30	.4	1
B 01+00N 06+60E	27	.4	1
B 01+00N 06+80E	17	.1	1
B 01+00N 07+00E	23	.4	3
B 01+00N 07+20E	22	.3	3
B 01+00N 07+40E	24	.7	1
B 01+00N 07+60E	26	.5	1

SAMPLE#	CU PPM	AG PPM	AU* PPB
B 01+00N 07+80E	25	.5	1
B 01+00N 08+00E	36	.8	1
B 01+00N 08+20E	23	.4	1
B 01+00N 08+40E	35	.6	1
<u>01+50N!</u> B 01+50N 04+00W	18	.3	1
B 01+50N 03+80W	24	.4	1
B 01+50N 03+60W	40	.2	2
B 01+50N 03+40W	22	.3	2
B 01+50N 02+80W	18	.1	1
B 01+50N 02+00W	22	.6	3
B 01+50N 01+80W	35	.1	5
B 01+50N 01+60W	22	.1	7
B 01+50N 01+40W	18	.4	1
B 01+50N 01+20W	22	.4	1
B 01+50N 01+00W	16	.3	1
B 01+50N 00+80W	15	.2	4
B 01+50N 00+60W	16	.1	9
B 01+50N 00+40W	17	.2	2
B 01+50N 00+20W	18	.3	2
B 01+50N 00+40E	16	.5	3
B 01+50N 00+60E	14	.1	1
B 01+50N 00+80E	16	.1	1
B 01+50N 01+00E	15	.2	1
B 01+50N 01+20E	13	.2	1
B 01+50N 01+40E	15	.1	1
B 01+50N 01+60E	16	.3	1
B 01+50N 01+80E	12	.2	1
B 01+50N 02+00E	23	.2	1
B 01+50N 02+60E	25	.1	1
B 01+50N 02+80E	23	.2	1
B 01+50N 03+00E	18	.1	1
B 01+50N 03+20E	17	.1	2
B 01+50N 03+40E	30	.2	1
B 01+50N 03+60E	19	.2	1
B 01+50N 03+80E	18	.2	11
B 00+50N 06+00E	19	.5	6
STD C/AU-S	58	7.1	52

SAMPLE#	CU PPM	AG PPM	AU* PPB
B 00+50N 06+20E	28	.6	4
B 00+50N 06+40E	24	.8	1
B 00+50N 06+60E	19	.5	3
B 00+50N 07+00E	19	.5	1
B 00+50N 07+20E	16	.3	1
B 00+50N 07+40E	15	.4	2
B 00+50N 07+60E	20	.3	38
B 00+50N 07+80E	26	.7	3
B 00+50N 08+00E	19	.4	1
B 00+50N 08+20E	29	1.2	28
B 00+50N 08+40E	38	1.7	1
B 00+50N 08+60E	44	1.0	1
B 00+00N 03+60W	21	.4	4
B 00+00N 03+40W	15	.2	2
B 00+00N 03+20W	15	.1	3
B 00+00N 02+80W	11	.1	2
B 00+00N 01+80W	16	.1	1
B 00+00N 01+60W	28	.6	2
B 00+00N 01+40W	16	.3	1
B 00+00N 01+20W	17	.4	1
B 00+00N 01+00W	21	.2	2
B 00+00N 00+80W	11	.1	8
B 00+00N 00+60W	17	.2	1
B 00+00N 00+20W	14	.1	3
B 00+00N 00+40E	19	.5	3
B 00+00N 00+60E	16	.7	11
B 00+00N 00+80E	16	.2	2
B 00+00N 01+00E	15	.3	16
B 00+00N 01+20E	12	.3	11
B 00+00N 01+40E	15	.2	2
B 00+00N 01+60E	16	.2	1
B 00+00N 01+80E	15	.2	2
B 00+00N 02+00E	18	.3	1
B 00+00N 02+20E	19	.2	1
B 00+00N 02+40E	14	.5	1
B 00+00N 02+60E	16	.1	3
STD C/AU-S	58	7.0	47

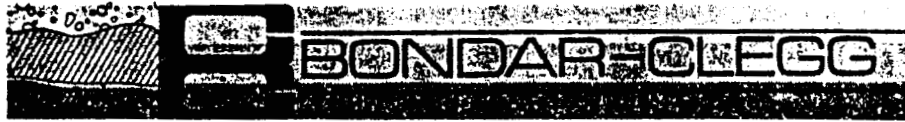
SAMPLE#	CU PPM	AG PPM	AU* PPB
B 00+00N 02+80E	21	.1	4
B 00+00N 03+00E	19	.1	3
B 00+00N 03+20E	14	.1	3
B 00+00N 03+40E	15	.1	1
B 00+00N 03+60E	11	.3	3
B 00+00N 03+80E	16	.2	4
B 00+00N 04+00E	18	.3	26
B 00+00N 04+20E	29	.2	14
B 00+00N 04+40E	22	.4	1
B 00+00N 04+80E	43	.4	11
B 00+00N 05+00E	19	.1	8
B 00+00N 07+00E	28	1.1	1
B 00+00N 07+20E	20	.5	4
B 00+00N 07+40E	17	.2	1
B 00+00N 07+60E	19	.3	1
B 00+00N 07+80E	25	.5	1
B 00+00N 08+00E	19	.3	1
B 00+00N 08+20E	18	.8	1
B 00+00N 08+40E	21	.9	1
B 00+00N 08+60E	21	.6	4
STD C/AU-S	58	7.1	48

SAMPLE#	CU PPM	AG PPM	AU* PPB
WTC-01-181	24	.1	1
WTC-01-182	13	.1	1
WTC-01-183	16	.2	1
WTC-01-184	27	.1	58
WTC-01-185	12	.2	1
WTC-01-186	16	.4	1
WTC-01-187	19	.1	1
WTC-01-188	16	.1	25
WTC-01-189	17	.3	1
WTC-01-190	16	.1	1
WTC-01-191	14	.1	1
WTC-01-192	17	.1	2
WTC-01-193	13	.3	1
WTC-01-194	10	.1	1
WTC-01-195	28	.1	1
TS-01-1	20	.2	1
TS-01-2	16	.1	1
TS-01-3	20	.5	1
TS-01-4	27	.3	1
TS-01-5	32	.7	1
TS-01-6	9	.1	1
TS-01-7	27	.1	12
TS-01-8	24	.1	1
TS-01-9	12	.1	1
TS-01-10	14	.1	1
TS-01-11	16	.1	1
TS-01-12	18	.1	1
TS-01-13	6	.1	1
TS-01-14	14	.1	1
TS-01-15	19	.1	1
TS-01-16	35	.2	1
TS-01-17	16	.4	1
TS-01-18	17	.3	1
TS-01-19	20	.1	1
TS-01-20	24	.1	1
TS-01-21	20	.1	1
STD C/AU-S	61	7.3	48

SAMPLE#	CU PPM	AG PPM	AU* PPB
TS-01-22	23	.1	1
TS-01-23	33	.1	1
TS-01-24	19	.1	1
TS-01-25	30	.1	1
TS-01-26	26	.2	1
TS-01-27	24	.2	1
TS-01-28	23	.3	2
TS-01-29	17	.1	1
TS-01-30	27	.1	1
TS-02-1	24	.3	1
TS-02-2	11	.2	1
TS-02-3	19	.2	1
TS-02-4	39	.2	1
TS-02-5	25	.1	2
TS-02-6	24	.1	1
TS-02-7	31	.1	1
TS-02-8	46	.1	1
TS-02-9	27	.3	1
TS-02-10	30	.3	1
TS-02-11	28	.3	2
TS-02-12	19	.1	1
TS-02-13	17	.1	3
TS-02-14	31	.3	1
TS-02-15	12	.3	1
TS-02-16	24	.1	1
TS-02-17	20	.1	1
TS-02-18	33	.2	1
TS-02-19	22	.1	1
TS-02-20	32	.1	2
TS-02-21	19	.1	1
TS-02-22	17	.1	1
TS-02-23	20	.1	1
TS-02-24	26	.1	2
TS-02-25	25	.3	1
TS-02-26	23	.1	1
TS-02-27	32	.1	1
STD C/AU-S	63	7.1	48

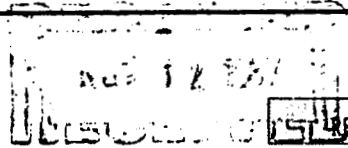
SAMPLE#	CU PPM	AG PPM	AU* PPB
TS-02-28	22	.1	1
TS-02-29	22	.3	1
TS-02-30	11	.1	1
TS-03-1	17	.2	1
TS-03-2	34	.3	2
TS-03-3	12	.5	1
TS-03-4	17	.3	1
TS-03-5	11	.1	1
TS-03-6	5	.2	2
TS-03-7	13	.1	1
TS-03-8	18	.3	1
TS-03-9	19	.1	1
TS-03-10	15	.1	1
TS-03-11	19	.1	1
TS-03-12	20	.4	2
TS-03-13	16	.3	7
TS-03-14	17	.1	1
TS-03-15	14	.1	1
TS-03-16	15	.2	1
TS-03-17	15	.5	2
TS-03-18	14	.2	2
TS-03-19	11	.1	1
TS-03-20	23	.1	1
TS-03-21	15	.1	1
TS-03-22	18	.1	1
TS-03-23	12	.1	1
TS-03-24	13	.1	1
TS-03-25	16	.1	2
TS-03-26	12	.2	1
TS-03-27	15	.1	1
TS-03-28	11	.1	1
TS-03-29	14	.1	5
TS-03-30	17	.1	1
STD C/AU-S	60	7.4	49

Bondar-Clegg & Company Ltd.
 130 Pemberton Ave.
 North Vancouver, B.C.
 Canada V7P 2R5
 Phone: (604) 985-0681
 Telex: 04-352667



Geochemical
 Lab Report

REPORT: 127-7466 (COMPLETE)



REFERENCE INFO:

CLIENT: MINEQUEST EXPLORATION ASSOCIATES LTD.
 PROJECT: BNE/W

SUBMITTED BY: JOHN McCLINTOCK
 DATE PRINTED: 12-NOV-87

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	WT Sample Weight (0.1)	26	0.1 gm		
2	WT Sample Weight (0.01)	26	0.0 gm		
3	Au 30g Gold 30 grams	25	5 PPB	FIRE-ASSAY	Fire Assay AA
4	AuSQ Gold - Semi Quant	5	1 PPM	FIRE-ASSAY	Fire Assay AA
5	Au/wt Sample weight/grams	25	0.1 G		

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
C CONCENTRATE (PAN/HM)	26	2 -150	26	OTHER SAMPLE PREP 2	26
				SIEVE -60	26
				OTHER SAMPLE PREP 1	26

REMARKS: I.S. DENOTES INSUFFICIENT SAMPLE.
 FIRST WEIGHT COLUMN IS THE WEIGHT OF THE -60+50 MESH FRACTION, OR -150 MESH FRACTION BEFORE CONCENTRATING.
 SECOND WEIGHT COLUMN IS THE WEIGHT OF THE CONCENTRATE.

REPORT COPIES TO: JOHN McCLINTOCK

INVOICE TO: JOHN McCLINTOCK



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 Geochemical Lab Report

REPORT: 127-7466

PROJECT: BNE/W

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	WT gm	WT gm	Au 30g PPB	AuSQ PPM	Au/wt G
C2 -150 HM-200		380.3	1.9	<50		1.8
C2 -150 HM-201		294.8	0.5	IS		
C2 -150 HM-202		682.2	6.7	2400		6.5
C2 -150 HM-203		963.3	13.4	75		13.0
C2 -150 HM-204		456.2	6.0	160		5.7
C2 -150 HM-205		764.9	9.2	280		8.9
C2 -150 HM-206		648.2	5.8	1850		5.6
C2 -150 HM-207		234.4	0.7	<80		0.6
C2 -150 HM-208		310.5	1.6	420		1.3
C2 -150 HM-209		368.0	0.4	3600		0.4
C2 -150 HM-210		355.3	0.2	>10000	14	0.3
C2 -150 HM-211		373.4	0.2	>10000	25	0.2
C2 -150 HM-212		1188.7	4.8	1300		4.5
C2 +150 HM-200		935.9	3.0	<25		2.8
C2 +150 HM-201		474.2	0.9	>10000	12	0.8
C2 +150 HM-202		756.6	15.5	840		15.7
C2 +150 HM-203		1371.8	7.6	40		7.4
C2 +150 HM-204		588.2	10.3	2900		10.1
C2 +150 HM-205		1160.0	16.9	640		16.8
C2 +150 HM-206		829.2	7.4	<10		7.3
C2 +150 HM-207		547.5	13.0	85		2.8
C2 +150 HM-208		425.5	5.0	>10000	30	4.7
C2 +150 HM-209		763.9	2.6	>10000	30	2.4
C2 +150 HM-210		616.6	2.4	360		2.2
C2 +150 HM-211		828.8	2.9	6500		2.7
C2 +150 HM-212		880.2	11.3	25		11.2

light

} very low weights!

Copy To KVL → DIVE/W.
✓ " " km.
" " JMcC → CR

ACME ANALYTICAL LABORATORIES LTD.
852 E. HASTINGS, VANCOUVER B.C.
PH: (604) 253-3158 COMPUTER LINE: 251-1011

RECEIVED
SEP 17 1987
DATE RECEIVED SEPT 7 1987
DATE REPORTS MAILED

Sept 16/87

GEOCHEMICAL ASSAY CERTIFICATE

SAMPLE TYPE : ROCK
Au# - 10 GM, IGNITED, HOT AQUA REGIA LEACHED, MIBK EXTRACTION, AA ANALYSIS.

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

MINEQUEST EXPLORATION PROJECT BNE/W FILE# 87-3955 PAGE# 1

SAMPLE	Au# ppb
BNP-8781	6
BNP-8782	8
BNP-8783	42
BNP-8784	1
BNP-8785	1
BNP-8786	7
BNP-8787	2
BNP-8788	3
BNP-8789	7
BNP-8790	1
BNP-8791	8
BNP-8792	10
BNP-8793	1
BNP-8794	230 - Hartworth Creek
BNP-8795	1
BNP-8796	1
BNP-87101	1
BNP-87102	6
BNP-87103	1
BNP-87104	490
BNP-87105	4
BNP-87106	7
BNP-87107	71 ?
BNP-87108	4
BNP-87109	8
BNP-87110	1
BNP-87111	7
BNP-87112	1
BNP-87113	1
BNP-87114	1
BNP-87115	1
BNP-87116	1
BNP-87117	2
BNP-87118	4
BNP-87119	26

SAMPLE	Au* ppb
BNP-87120	15
BNP-87121	1
BNP-87122	1
BNP-87123	2
BNP-87124	17
BNP-87125	1
BNP-87126	1
BNP-87127	6
BNP-87128	1
BNP-87129	1
BNP-87130	1
BNP-87131	1
BNP-87132	2
BNP-87133	1
BNP-87301	16
BNP-87302	2
BNP-87303	1
BNP-87304	6
BNP-87305	146
BNP-87306	13
BNP-87307	2
BNP-87308	1
BNP-87309	1
BNP-87310	2
BNP-87311	1
BNP-87312	1
BNP-87313	1
BNP-87314	1
BNP-87315	1
BNP-87316	1
BNP-87317	1
BNP-87318	1
BNP-87319	2
BNP-87320	2
BNP-87321	1
BNP-87322	1

SAMPLE	Au* ppb
BNF-87323	3
BNF-87324	1
BNF-87325	2
BNF-87326	1
BNF-87327	1
BNF-87328	1
BNF-87329	1
BNF-87330	2
BNF-87331	1
BNF-87332	1
BNF-87333	2
BNF-87334	2
BNF-87335	1
BNF-87336	1

APPENDIX II
GEOPHYSICAL FIELD DATA

BONAPART MAGNETIC DATA.... "A" GRID

LN	STN	CONSTANT	T.F MAG	DELTA C
.00	.00	57840.00	59005.80	.00
.00	20.00	57840.00	57682.70	-1323.10
.00	40.00	57840.00	57754.70	72.00
.00	60.00	57840.00	57418.90	-335.80
.00	80.00	57840.00	57022.00	-396.90
.00	100.00	57840.00	57201.20	179.20
.00	120.00	57840.00	57294.50	93.30
.00	140.00	57840.00	57377.10	82.60
.00	160.00	57840.00	57412.60	35.50
.00	180.00	57840.00	57476.40	63.80
.00	200.00	57840.00	57378.50	-97.90
.00	220.00	57840.00	57501.80	123.30
.00	240.00	57840.00	57446.90	-54.90
.00	260.00	57840.00	57455.00	8.10
.00	280.00	57840.00	57441.60	-13.40
.00	300.00	57840.00	57481.40	39.80
.00	320.00	57840.00	57449.70	-31.70
.00	340.00	57840.00	57422.40	-27.30
.00	360.00	57840.00	57408.70	-13.70
.00	380.00	57840.00	57444.90	36.20
.00	400.00	57840.00	57452.10	7.20
.00	420.00	57840.00	57414.70	-37.40
.00	440.00	57840.00	57502.90	88.20
.00	460.00	57840.00	57467.40	-35.50
.00	480.00	57840.00	57521.80	54.40
.00	500.00	57840.00	57478.60	-43.20
.00	520.00	57840.00	57473.30	-5.30
.00	540.00	57840.00	57416.90	-56.40
.00	560.00	57840.00	57446.80	29.90
.00	580.00	57840.00	57428.30	-18.50
.00	600.00	57840.00	57460.30	32.00
.00	620.00	57840.00	57520.70	60.40
.00	640.00	57840.00	57548.70	28.00
.00	660.00	57840.00	57599.50	50.80
.00	680.00	57840.00	57551.00	-48.50
.00	700.00	57840.00	57447.20	-103.80
.00	720.00	57840.00	57542.10	94.90
.00	740.00	57840.00	57500.10	-42.00
.00	760.00	57840.00	57555.30	55.20
.00	780.00	57840.00	57531.70	-23.60
.00	800.00	57840.00	57496.70	-35.00
50.00	.00	57840.00	57419.60	.00
50.00	20.00	57840.00	57222.50	-197.10
50.00	40.00	57840.00	57155.00	-67.50
50.00	60.00	57840.00	57125.80	-29.20
50.00	80.00	57840.00	57202.30	76.50
50.00	100.00	57840.00	57341.40	139.10
50.00	120.00	57840.00	57359.40	18.00
50.00	140.00	57840.00	57348.80	-10.60
50.00	160.00	57840.00	57406.00	57.20
50.00	180.00	57840.00	57435.80	29.80
50.00	200.00	57840.00	57441.00	5.20

50.00	220.00	57840.00	57571.90	130.90
50.00	240.00	57840.00	57434.00	-137.90
50.00	260.00	57840.00	57408.10	-25.90
50.00	280.00	57840.00	57533.60	125.50
50.00	300.00	57840.00	57538.70	5.10
50.00	320.00	57840.00	57475.80	-62.90
50.00	340.00	57840.00	57440.50	-35.30
50.00	360.00	57840.00	57446.60	6.10
50.00	380.00	57840.00	57416.20	-30.40
50.00	400.00	57840.00	57470.70	54.50
50.00	420.00	57840.00	57574.70	104.00
50.00	440.00	57840.00	57507.90	-66.80
50.00	460.00	57840.00	57525.60	17.70
50.00	480.00	57840.00	57585.00	59.40
50.00	500.00	57840.00	57605.80	20.80
50.00	520.00	57840.00	57668.80	63.00
50.00	540.00	57840.00	57507.70	-161.10
50.00	560.00	57840.00	57483.60	-24.10
50.00	580.00	57840.00	57637.60	154.00
50.00	600.00	57840.00	57452.90	-184.70
50.00	620.00	57840.00	57506.10	53.20
50.00	640.00	57840.00	57548.60	42.50
50.00	660.00	57840.00	57586.70	38.10
50.00	680.00	57840.00	57566.80	-19.90
50.00	700.00	57840.00	57583.90	17.10
50.00	720.00	57840.00	57637.80	53.90
50.00	740.00	57840.00	57530.80	-107.00
50.00	760.00	57840.00	57558.40	27.60
50.00	780.00	57840.00	57434.10	-124.30
50.00	800.00	57840.00	57449.60	15.50
100.00	.00	57840.00	57118.40	.00
100.00	20.00	57840.00	57082.40	-36.00
100.00	40.00	57840.00	57268.40	186.00
100.00	60.00	57840.00	57277.10	8.70
100.00	80.00	57840.00	57290.60	13.50
100.00	100.00	57840.00	57388.00	97.40
100.00	120.00	57840.00	57394.40	6.40
100.00	140.00	57840.00	57408.70	14.30
100.00	160.00	57840.00	57403.60	-5.10
100.00	180.00	57840.00	57412.40	8.80
100.00	200.00	57840.00	57399.20	-13.20
100.00	220.00	57840.00	57419.20	20.00
100.00	240.00	57840.00	57413.30	-5.90
100.00	260.00	57840.00	57471.20	57.90
100.00	280.00	57840.00	57558.10	86.90
100.00	300.00	57840.00	57581.40	23.30
100.00	320.00	57840.00	57520.70	-60.70
100.00	340.00	57840.00	57375.30	-145.40
100.00	360.00	57840.00	57364.60	-10.70
100.00	380.00	57840.00	57344.00	-20.60
100.00	400.00	57840.00	57474.90	130.90
100.00	420.00	57840.00	57493.80	18.90
100.00	440.00	57840.00	57547.40	53.60
100.00	460.00	57840.00	57640.70	93.30
100.00	480.00	57840.00	57575.80	-64.90

100.00	500.00	57840.00	57568.70	-7.10
100.00	520.00	57840.00	57593.40	24.70
100.00	540.00	57840.00	57528.50	-64.90
100.00	560.00	57840.00	57434.20	-94.30
100.00	580.00	57840.00	57490.10	55.90
100.00	600.00	57840.00	57575.50	85.40
100.00	620.00	57840.00	57571.00	-4.50
100.00	640.00	57840.00	57612.60	41.60
100.00	660.00	57840.00	57610.50	-2.10
100.00	680.00	57840.00	57548.10	-62.40
100.00	700.00	57840.00	57520.20	-27.90
100.00	720.00	57840.00	57710.30	190.10
100.00	740.00	57840.00	57702.30	-8.00
100.00	760.00	57840.00	57508.80	-193.50
100.00	780.00	57840.00	57527.70	18.90
100.00	800.00	57840.00	57467.20	-60.50
150.00	.00	57840.00	57254.80	.00
150.00	20.00	57840.00	57310.40	55.60
150.00	40.00	57840.00	57348.60	38.20
150.00	60.00	57840.00	57415.40	66.80
150.00	80.00	57840.00	57365.50	-49.90
150.00	100.00	57840.00	57391.60	26.10
150.00	120.00	57840.00	57409.80	18.20
150.00	140.00	57840.00	57400.40	-9.40
150.00	160.00	57840.00	57411.30	10.90
150.00	180.00	57840.00	57471.70	60.40
150.00	200.00	57840.00	57428.40	-43.30
150.00	220.00	57840.00	57410.70	-17.70
150.00	240.00	57840.00	57422.10	11.40
150.00	260.00	57840.00	57413.30	-8.80
150.00	280.00	57840.00	57377.90	-35.40
150.00	300.00	57840.00	57397.90	20.00
150.00	320.00	57840.00	57505.80	107.90
150.00	340.00	57840.00	57562.30	56.50
150.00	360.00	57840.00	57605.70	43.40
150.00	380.00	57840.00	57605.70	.00
150.00	400.00	57840.00	57600.50	-5.20
150.00	420.00	57840.00	57823.50	223.00
150.00	440.00	57840.00	57736.70	-86.80
150.00	460.00	57840.00	57594.10	-142.60
150.00	480.00	57840.00	57441.50	-152.60
150.00	500.00	57840.00	57429.20	-12.30
150.00	520.00	57840.00	57431.20	2.00
150.00	540.00	57840.00	57342.90	-88.30
150.00	560.00	57840.00	57437.00	94.10
150.00	580.00	57840.00	57531.80	94.80
150.00	600.00	57840.00	57586.40	54.60
150.00	620.00	57840.00	57561.50	-24.90
150.00	640.00	57840.00	57561.40	-.10
150.00	660.00	57840.00	57626.70	65.30
150.00	680.00	57840.00	57711.80	85.10
150.00	700.00	57840.00	57625.60	-86.20
150.00	720.00	57840.00	57527.00	-98.60
150.00	740.00	57840.00	57562.10	35.10
150.00	760.00	57840.00	57411.60	-150.50

150.00	780.00	57840.00	57642.40	230.80
150.00	800.00	57840.00	57658.10	15.70
200.00	.00	57840.00	57324.60	.00
200.00	20.00	57840.00	57343.00	18.40
200.00	40.00	57840.00	57345.20	2.20
200.00	60.00	57840.00	57364.50	19.30
200.00	80.00	57840.00	57384.10	19.60
200.00	100.00	57840.00	57390.00	5.90
200.00	120.00	57840.00	57395.10	5.10
200.00	140.00	57840.00	57403.10	8.00
200.00	160.00	57840.00	57417.60	14.50
200.00	180.00	57840.00	57445.60	28.00
200.00	200.00	57840.00	57459.60	14.00
200.00	220.00	57840.00	57409.60	-50.00
200.00	240.00	57840.00	57404.00	-5.60
200.00	260.00	57840.00	57430.40	26.40
200.00	280.00	57840.00	57426.10	-4.30
200.00	300.00	57840.00	57412.90	-13.20
200.00	320.00	57840.00	57446.70	33.80
200.00	340.00	57840.00	57609.60	162.90
200.00	360.00	57840.00	57325.00	-284.60
200.00	380.00	57840.00	57772.70	447.70
200.00	400.00	57840.00	57565.30	-207.40
200.00	420.00	57840.00	57586.20	20.90
200.00	440.00	57840.00	57516.80	-69.40
200.00	460.00	57840.00	57421.50	-95.30
200.00	480.00	57840.00	57358.20	-63.30
200.00	500.00	57840.00	57400.70	42.50
200.00	520.00	57840.00	57371.70	-29.00
200.00	540.00	57840.00	57371.70	.00
200.00	560.00	57840.00	57507.30	135.60
200.00	580.00	57840.00	57531.70	24.40
200.00	600.00	57840.00	57505.50	-26.20
200.00	620.00	57840.00	57619.00	113.50
200.00	640.00	57840.00	57680.00	61.00
200.00	660.00	57840.00	57640.60	-39.40
200.00	680.00	57840.00	57562.30	-78.30
200.00	700.00	57840.00	57589.80	27.50
200.00	720.00	57840.00	57472.70	-117.10
200.00	740.00	57840.00	57470.30	-2.40
200.00	760.00	57840.00	57631.20	160.90
200.00	780.00	57840.00	57600.70	-30.50
200.00	800.00	57840.00	57473.10	-127.60
250.00	.00	57840.00	57341.50	.00
250.00	20.00	57840.00	57370.30	28.80
250.00	40.00	57840.00	57359.30	-11.00
250.00	60.00	57840.00	57370.40	11.10
250.00	80.00	57840.00	57403.70	33.30
250.00	100.00	57840.00	57399.70	-4.00
250.00	120.00	57840.00	57370.60	-29.10
250.00	140.00	57840.00	57406.30	35.70
250.00	160.00	57840.00	57403.30	-3.00
250.00	180.00	57840.00	57404.30	1.00
250.00	200.00	57840.00	57440.90	36.60
250.00	220.00	57840.00	57440.00	-.90

250.00	240.00	57840.00	57423.60	-16.40
250.00	260.00	57840.00	57425.30	1.70
250.00	280.00	57840.00	57427.90	2.60
250.00	300.00	57840.00	57457.30	29.40
250.00	320.00	57840.00	57476.70	19.40
250.00	340.00	57840.00	57435.50	-41.20
250.00	360.00	57840.00	57422.90	-12.60
250.00	380.00	57840.00	57380.50	-42.40
250.00	400.00	57840.00	57429.90	49.40
250.00	420.00	57840.00	57371.00	-58.90
250.00	440.00	57840.00	57391.30	20.30
250.00	460.00	57840.00	57356.30	-35.00
250.00	480.00	57840.00	57354.00	-2.30
250.00	500.00	57840.00	57403.00	49.00
250.00	520.00	57840.00	57393.10	-9.90
250.00	540.00	57840.00	57489.50	96.40
250.00	560.00	57840.00	57536.70	47.20
250.00	580.00	57840.00	57545.70	9.00
250.00	600.00	57840.00	57626.80	81.10
250.00	620.00	57840.00	57591.20	-35.60
250.00	640.00	57840.00	57525.80	-65.40
250.00	660.00	57840.00	57657.60	131.80
250.00	680.00	57840.00	57384.40	-273.20
250.00	700.00	57840.00	57455.60	71.20
250.00	720.00	57840.00	57662.10	206.50
250.00	740.00	57840.00	57550.80	-111.30
250.00	760.00	57840.00	57452.20	-98.60
250.00	780.00	57840.00	57410.10	-42.10
250.00	800.00	57840.00	57402.00	-8.10
500.00	400.00	57840.00	57428.70	.00
500.00	420.00	57840.00	57403.40	-25.30
500.00	440.00	57840.00	57401.40	-2.00
500.00	460.00	57840.00	57377.40	-24.00
500.00	480.00	57840.00	57469.20	91.80
500.00	500.00	57840.00	57433.90	-35.30
500.00	520.00	57840.00	57434.70	.80
500.00	540.00	57840.00	57620.00	185.30
500.00	560.00	57840.00	57345.30	-274.70
500.00	580.00	57840.00	57561.30	216.00
500.00	600.00	57840.00	57585.00	23.70
500.00	620.00	57840.00	57511.20	-73.80
500.00	640.00	57840.00	57473.50	-37.70
500.00	660.00	57840.00	57477.40	3.90
500.00	680.00	57840.00	57465.00	-12.40
500.00	700.00	57840.00	57434.90	-30.10
500.00	720.00	57840.00	57404.40	-30.50
500.00	740.00	57840.00	57434.30	29.90
500.00	760.00	57840.00	57601.40	167.10
500.00	780.00	57840.00	57679.90	78.50
500.00	800.00	57840.00	57509.80	-170.10
550.00	340.00	57840.00	57421.30	.00
550.00	360.00	57840.00	57409.30	-12.00
550.00	380.00	57840.00	57424.10	14.80
550.00	400.00	57840.00	57376.50	-47.60
550.00	420.00	57840.00	57413.50	37.00

550.00	440.00	57840.00	57397.80	-15.70
550.00	460.00	57840.00	57506.80	109.00
550.00	480.00	57840.00	57501.20	-5.60
550.00	500.00	57840.00	57480.70	-20.50
550.00	520.00	57840.00	57436.10	-44.60
550.00	540.00	57840.00	57474.20	38.10
550.00	560.00	57840.00	57352.90	-121.30
550.00	580.00	57840.00	57313.40	-39.50
550.00	600.00	57840.00	57434.10	120.70
550.00	620.00	57840.00	57428.20	-5.90
550.00	640.00	57840.00	57377.40	-50.80
550.00	660.00	57840.00	57351.80	-25.60
550.00	680.00	57840.00	57466.10	114.30
550.00	700.00	57840.00	57415.10	-51.00
550.00	720.00	57840.00	57519.70	104.60
550.00	740.00	57840.00	57408.10	-111.60
550.00	760.00	57840.00	57317.10	-91.00
550.00	780.00	57840.00	57389.00	71.90
550.00	800.00	57840.00	57510.50	121.50
600.00	.00	57840.00	57398.40	.00
600.00	20.00	57840.00	57276.50	-121.90
600.00	40.00	57840.00	57315.00	38.50
600.00	60.00	57840.00	57325.10	10.10
600.00	80.00	57840.00	57322.40	-2.70
600.00	100.00	57840.00	57323.40	1.00
600.00	120.00	57840.00	57319.60	-3.80
600.00	140.00	57840.00	57326.50	6.90
600.00	160.00	57840.00	57352.40	25.90
600.00	180.00	57840.00	57347.40	-5.00
600.00	200.00	57840.00	57414.90	67.50
600.00	220.00	57840.00	57375.00	-39.90
600.00	240.00	57840.00	57388.40	13.40
600.00	260.00	57840.00	57411.60	23.20
600.00	280.00	57840.00	57307.60	-104.00
600.00	300.00	57840.00	57426.20	118.60
600.00	320.00	57840.00	57386.10	-40.10
600.00	340.00	57840.00	57463.20	77.10
600.00	360.00	57840.00	57401.40	-61.80
600.00	380.00	57840.00	57428.80	27.40
600.00	400.00	57840.00	57392.60	-36.20
600.00	420.00	57840.00	57391.80	-.80
600.00	440.00	57840.00	57452.20	60.40
600.00	460.00	57840.00	57444.90	-7.30
600.00	480.00	57840.00	57546.60	101.70
600.00	500.00	57840.00	57548.80	2.20
600.00	520.00	57840.00	57302.20	-246.60
600.00	540.00	57840.00	57481.10	178.90
600.00	560.00	57840.00	57510.20	29.10
600.00	580.00	57840.00	57377.20	-133.00
600.00	600.00	57840.00	57452.70	75.50
600.00	620.00	57840.00	57386.30	-66.40
600.00	640.00	57840.00	57418.50	32.20
600.00	660.00	57840.00	57412.80	-5.70
600.00	680.00	57840.00	57380.10	-32.70
600.00	700.00	57840.00	57501.50	121.40

600.00	720.00	57840.00	57476.60	-24.90
600.00	740.00	57840.00	57365.70	-110.90
600.00	760.00	57840.00	57411.60	45.90
600.00	780.00	57840.00	57311.10	-100.50
600.00	800.00	57840.00	57347.00	35.90
650.00	.00	57840.00	57247.10	.00
650.00	20.00	57840.00	57380.50	133.40
650.00	40.00	57840.00	57136.00	-244.50
650.00	60.00	57840.00	57222.30	86.30
650.00	80.00	57840.00	57318.80	96.50
650.00	100.00	57840.00	57349.40	30.60
650.00	120.00	57840.00	57247.20	-102.20
650.00	140.00	57840.00	57288.60	41.40
650.00	160.00	57840.00	57398.10	109.50
650.00	180.00	57840.00	57524.50	126.40
650.00	200.00	57840.00	57358.90	-165.60
650.00	220.00	57840.00	57379.30	20.40
650.00	240.00	57840.00	57423.70	44.40
650.00	260.00	57840.00	57414.30	-9.40
650.00	280.00	57840.00	57390.30	-24.00
650.00	300.00	57840.00	57360.10	-30.20
650.00	320.00	57840.00	57423.00	62.90
650.00	340.00	57840.00	57420.20	-2.80
650.00	360.00	57840.00	57409.10	-11.10
650.00	380.00	57840.00	57428.50	19.40
650.00	400.00	57840.00	57381.60	-46.90
650.00	420.00	57840.00	57361.50	-20.10
650.00	440.00	57840.00	57451.10	89.60
650.00	460.00	57840.00	57378.00	-73.10
650.00	480.00	57840.00	57546.20	168.20
650.00	500.00	57840.00	57416.80	-129.40
650.00	520.00	57840.00	57434.10	17.30
650.00	540.00	57840.00	57329.70	-104.40
650.00	560.00	57840.00	57407.90	78.20
650.00	580.00	57840.00	57398.20	-9.70
650.00	600.00	57840.00	57547.90	149.70
650.00	620.00	57840.00	57480.80	-67.10
650.00	640.00	57840.00	57513.40	32.60
650.00	660.00	57840.00	57469.00	-44.40
650.00	680.00	57840.00	57377.90	-91.10
650.00	700.00	57840.00	57380.70	2.80
650.00	720.00	57840.00	57561.00	180.30
650.00	740.00	57840.00	57564.40	3.40
650.00	760.00	57840.00	57545.70	-18.70
650.00	780.00	57840.00	57457.90	-87.80
650.00	800.00	57840.00	57492.50	34.60
700.00	.00	57840.00	57127.20	.00
700.00	20.00	57840.00	57130.20	3.00
700.00	40.00	57840.00	57151.90	21.70
700.00	60.00	57840.00	57218.70	66.80
700.00	80.00	57840.00	56902.20	-316.50
700.00	100.00	57840.00	57227.00	324.80
700.00	120.00	57840.00	57358.50	131.50
700.00	140.00	57840.00	57295.00	-63.50
700.00	160.00	57840.00	57298.10	3.10

700.00	180.00	57840.00	57329.80	31.70
700.00	200.00	57840.00	57375.70	45.90
700.00	220.00	57840.00	57387.80	12.10
700.00	240.00	57840.00	57404.60	16.80
700.00	260.00	57840.00	57328.70	-75.90
700.00	280.00	57840.00	57420.10	91.40
700.00	300.00	57840.00	57554.00	133.90
700.00	320.00	57840.00	57366.30	-187.70
700.00	340.00	57840.00	57393.30	27.00
700.00	360.00	57840.00	57413.80	20.50
700.00	380.00	57840.00	57427.20	13.40
700.00	400.00	57840.00	57346.20	-81.00
700.00	420.00	57840.00	57419.50	73.30
700.00	440.00	57840.00	57397.00	-22.50
700.00	460.00	57840.00	57380.30	-16.70
700.00	480.00	57840.00	57428.00	47.70
700.00	500.00	57840.00	57339.70	-88.30
700.00	520.00	57840.00	57455.30	115.60
700.00	540.00	57840.00	57326.30	-129.00
700.00	560.00	57840.00	57458.10	131.80
700.00	580.00	57840.00	57370.20	-87.90
700.00	600.00	57840.00	57135.90	-234.30
700.00	620.00	57840.00	57498.80	362.90
700.00	640.00	57840.00	57386.40	-112.40
700.00	660.00	57840.00	57387.60	1.20
700.00	680.00	57840.00	57363.50	-24.10
700.00	700.00	57840.00	57421.80	58.30
700.00	720.00	57840.00	57541.70	119.90
700.00	740.00	57840.00	57671.50	129.80
700.00	760.00	57840.00	57371.10	-300.40
700.00	780.00	57840.00	57380.30	9.20
700.00	800.00	57840.00	57493.10	112.80
750.00	.00	57840.00	56991.10	.00
750.00	20.00	57840.00	57005.90	14.80
750.00	40.00	57840.00	57138.20	132.30
750.00	60.00	57840.00	57182.70	44.50
750.00	80.00	57840.00	57257.40	74.70
750.00	100.00	57840.00	57297.30	39.90
750.00	120.00	57840.00	57315.40	18.10
750.00	140.00	57840.00	57292.80	-22.60
750.00	160.00	57840.00	57456.70	163.90
750.00	180.00	57840.00	57319.60	-137.10
750.00	200.00	57840.00	57368.90	49.30
750.00	220.00	57840.00	57335.90	-33.00
750.00	240.00	57840.00	57353.90	18.00
750.00	260.00	57840.00	57352.60	-1.30
750.00	280.00	57840.00	57334.20	-18.40
750.00	300.00	57840.00	57467.30	133.10
750.00	320.00	57840.00	57355.10	-112.20
750.00	340.00	57840.00	57379.40	24.30
750.00	360.00	57840.00	57383.40	4.00
750.00	380.00	57840.00	57342.60	-40.80
750.00	400.00	57840.00	57388.50	45.90
750.00	420.00	57840.00	57463.00	74.50
750.00	440.00	57840.00	57448.70	-14.30

750.00	460.00	57840.00	57467.30	18.60
750.00	480.00	57840.00	57526.40	59.10
750.00	500.00	57840.00	57477.20	-49.20
750.00	520.00	57840.00	57428.20	-49.00
750.00	540.00	57840.00	57365.00	-63.20
750.00	560.00	57840.00	57450.30	85.30
750.00	580.00	57840.00	57461.10	10.80
750.00	600.00	57840.00	57440.10	-21.00
750.00	620.00	57840.00	57395.90	-44.20
750.00	640.00	57840.00	57331.30	-64.60
750.00	660.00	57840.00	57415.90	84.60
750.00	680.00	57840.00	57499.20	83.30
750.00	700.00	57840.00	57292.40	-206.80
750.00	720.00	57840.00	57405.90	113.50
750.00	740.00	57840.00	57459.10	53.20
750.00	760.00	57840.00	57423.90	-35.20
750.00	780.00	57840.00	57448.50	24.60
750.00	800.00	57840.00	57241.10	-207.40
400.00	.00	57840.00	57330.10	.00
400.00	20.00	57840.00	57340.00	9.90
400.00	40.00	57840.00	57333.40	-6.60
400.00	60.00	57840.00	57355.50	22.10
400.00	80.00	57840.00	57383.50	28.00
400.00	100.00	57840.00	57435.60	52.10
400.00	120.00	57840.00	57391.20	-44.40
400.00	140.00	57840.00	57384.50	-6.70
400.00	160.00	57840.00	57396.60	12.10
400.00	180.00	57840.00	57378.10	-18.50
400.00	200.00	57840.00	57395.30	17.20
400.00	220.00	57840.00	57368.10	-27.20
400.00	240.00	57840.00	57366.70	-1.40
400.00	260.00	57840.00	57449.50	82.80
400.00	280.00	57840.00	57463.70	14.20
400.00	300.00	57840.00	57428.40	-35.30
400.00	320.00	57840.00	57493.70	65.30
400.00	340.00	57840.00	57481.00	-12.70
400.00	360.00	57840.00	57434.30	-46.70
400.00	380.00	57840.00	57462.90	29.60
400.00	400.00	57840.00	57441.10	-21.80
400.00	420.00	57840.00	57391.60	-49.50
400.00	440.00	57840.00	57380.70	-10.90
400.00	460.00	57840.00	57362.80	-17.90
400.00	480.00	57840.00	57394.70	31.90
400.00	500.00	57840.00	57393.80	-.90
400.00	520.00	57840.00	57493.10	99.30
400.00	540.00	57840.00	57529.50	36.40
400.00	560.00	57840.00	57443.30	-86.20
400.00	580.00	57840.00	57395.10	-48.20
400.00	600.00	57840.00	57344.10	-51.00
400.00	620.00	57840.00	57432.40	88.30
400.00	640.00	57840.00	57496.80	64.40
400.00	660.00	57840.00	57525.20	28.40
400.00	680.00	57840.00	57460.10	-65.10
400.00	700.00	57840.00	57476.90	16.80
400.00	720.00	57840.00	57441.90	-35.00

400.00	740.00	57840.00	57646.30	204.40
400.00	760.00	57840.00	57471.00	-175.30
400.00	780.00	57840.00	57652.60	181.60
400.00	800.00	57840.00	57644.10	-8.50
450.00	.00	57840.00	57362.00	.00
450.00	20.00	57840.00	57326.40	-35.60
450.00	40.00	57840.00	57365.40	39.00
450.00	60.00	57840.00	57326.70	-38.70
450.00	80.00	57840.00	57328.20	1.50
450.00	100.00	57840.00	57306.50	-21.70
450.00	120.00	57840.00	57099.90	-206.60
450.00	140.00	57840.00	57359.40	259.50
450.00	160.00	57840.00	57348.70	-10.70
450.00	180.00	57840.00	57360.10	11.40
450.00	200.00	57840.00	57229.60	-130.50
450.00	220.00	57840.00	57380.20	150.60
450.00	240.00	57840.00	57310.00	-70.20
450.00	260.00	57840.00	57394.10	84.10
450.00	280.00	57840.00	57493.80	99.70
450.00	300.00	57840.00	57317.30	-176.50
450.00	320.00	57840.00	57406.20	88.90
450.00	340.00	57840.00	57225.00	-181.20
450.00	360.00	57840.00	57394.80	169.80
450.00	380.00	57840.00	57440.20	45.40
450.00	400.00	57840.00	57389.40	-50.80
450.00	420.00	57840.00	57420.60	31.20
450.00	440.00	57840.00	57405.50	-15.10
450.00	460.00	57840.00	57443.30	37.80
450.00	480.00	57840.00	57425.00	-18.30
450.00	500.00	57840.00	57437.30	12.30
450.00	520.00	57840.00	57422.30	-15.00
450.00	540.00	57840.00	57484.70	62.40
450.00	560.00	57840.00	57388.40	-96.30
450.00	580.00	57840.00	57576.30	187.90
450.00	600.00	57840.00	57459.30	-117.00
450.00	620.00	57840.00	57510.20	50.90
450.00	640.00	57840.00	57462.60	-47.60
450.00	660.00	57840.00	57475.70	13.10
450.00	680.00	57840.00	57440.70	-35.00
450.00	700.00	57840.00	57446.50	5.80
450.00	720.00	57840.00	57509.00	62.50
450.00	740.00	57840.00	57458.70	-50.30
450.00	760.00	57840.00	57426.10	-32.60
450.00	780.00	57840.00	57538.50	112.40
450.00	800.00	57840.00	57430.50	-108.00
500.00	.00	57840.00	57305.80	.00
500.00	20.00	57840.00	57407.10	101.30
500.00	40.00	57840.00	57208.90	-198.20
500.00	60.00	57840.00	57392.40	183.50
500.00	80.00	57840.00	57420.40	28.00
500.00	100.00	57840.00	57356.20	-64.20
500.00	120.00	57840.00	57348.00	-8.20
500.00	140.00	57840.00	57373.20	25.20
500.00	160.00	57840.00	57381.40	8.20
500.00	180.00	57840.00	57324.40	-57.00

500.00	200.00	57840.00	57425.00	100.60
500.00	220.00	57840.00	57391.40	-33.60
500.00	240.00	57840.00	57395.50	4.10
500.00	260.00	57840.00	57392.90	-2.60
500.00	280.00	57840.00	57360.60	-32.30
500.00	300.00	57840.00	57350.20	-10.40
500.00	320.00	57840.00	57431.80	81.60
500.00	340.00	57840.00	57401.60	-30.20
500.00	360.00	57840.00	57399.20	-2.40
500.00	380.00	57840.00	57453.50	54.30
550.00	.00	57840.00	57354.80	.00
550.00	20.00	57840.00	57347.50	-7.30
550.00	40.00	57840.00	57292.40	-55.10
550.00	60.00	57840.00	57343.40	51.00
550.00	80.00	57840.00	57327.90	-15.50
550.00	100.00	57840.00	57325.30	-2.60
550.00	120.00	57840.00	57339.80	14.50
550.00	140.00	57840.00	57368.10	28.30
550.00	160.00	57840.00	57389.40	21.30
550.00	180.00	57840.00	57390.70	1.30
550.00	200.00	57840.00	57423.80	33.10
550.00	220.00	57840.00	57380.40	-43.40
550.00	240.00	57840.00	57445.40	65.00
550.00	260.00	57840.00	57345.80	-99.60
550.00	280.00	57840.00	57388.20	42.40
550.00	300.00	57840.00	57423.70	35.50
550.00	320.00	57840.00	57428.50	4.80
550.00	340.00	57840.00	57424.60	-3.90
550.00	360.00	57840.00	57409.20	-15.40
550.00	380.00	57840.00	57426.30	17.10
300.00	.00	57840.00	57327.50	.00
300.00	20.00	57840.00	57367.50	40.00
300.00	40.00	57840.00	57368.20	.70
300.00	60.00	57840.00	57363.30	-4.90
300.00	80.00	57840.00	57374.10	10.80
300.00	100.00	57840.00	57415.10	41.00
300.00	120.00	57840.00	57400.30	-14.80
300.00	140.00	57840.00	57405.90	5.60
300.00	160.00	57840.00	57432.80	26.90
300.00	180.00	57840.00	57408.00	-24.80
300.00	200.00	57840.00	57418.40	10.40
300.00	220.00	57840.00	57440.60	22.20
300.00	240.00	57840.00	57405.50	-35.10
300.00	260.00	57840.00	57382.70	-22.80
300.00	280.00	57840.00	57446.60	63.90
300.00	300.00	57840.00	57199.70	-246.90
300.00	320.00	57840.00	57599.80	400.10
300.00	340.00	57840.00	57396.50	-203.30
300.00	360.00	57840.00	57396.90	.40
300.00	380.00	57840.00	57469.40	72.50
300.00	400.00	57840.00	57421.90	-47.50
300.00	420.00	57840.00	57367.20	-54.70
300.00	440.00	57840.00	57417.40	50.20
300.00	460.00	57840.00	57501.30	83.90
300.00	480.00	57840.00	57596.40	95.10

300.00	500.00	57840.00	57689.90	93.50
300.00	520.00	57840.00	57409.50	-280.40
300.00	540.00	57840.00	57594.10	184.60
300.00	560.00	57840.00	57589.80	-4.30
300.00	580.00	57840.00	57522.80	-67.00
300.00	600.00	57840.00	57557.20	34.40
300.00	620.00	57840.00	57452.60	-104.60
300.00	640.00	57840.00	57383.80	-68.80
300.00	660.00	57840.00	57348.40	-35.40
300.00	680.00	57840.00	57424.50	76.10
300.00	700.00	57840.00	57415.00	-9.50
300.00	720.00	57840.00	57461.30	46.30
300.00	740.00	57840.00	57477.00	15.70
300.00	760.00	57840.00	57407.30	-69.70
300.00	780.00	57840.00	57395.20	-12.10
300.00	800.00	57840.00	57495.20	100.00
350.00	.00	57840.00	57326.10	.00
350.00	20.00	57840.00	57331.40	5.30
350.00	40.00	57840.00	57410.60	79.20
350.00	60.00	57840.00	57349.10	-61.50
350.00	80.00	57840.00	57324.30	-24.80
350.00	100.00	57840.00	57384.50	60.20
350.00	120.00	57840.00	57391.00	6.50
350.00	140.00	57840.00	57411.00	20.00
350.00	160.00	57840.00	57372.30	-38.70
350.00	180.00	57840.00	57368.70	-3.60
350.00	200.00	57840.00	57411.60	42.90
350.00	220.00	57840.00	57368.70	-42.90
350.00	240.00	57840.00	57351.80	-16.90
350.00	260.00	57840.00	57350.00	-1.80
350.00	280.00	57840.00	57385.50	35.50
350.00	300.00	57840.00	57419.70	34.20
350.00	320.00	57840.00	57371.60	-48.10
350.00	340.00	57840.00	57466.70	95.10
350.00	360.00	57840.00	57409.00	-57.70
350.00	380.00	57840.00	57458.20	49.20
350.00	400.00	57840.00	57439.00	-19.20
350.00	420.00	57840.00	57475.20	36.20
350.00	440.00	57840.00	57478.00	2.80
350.00	460.00	57840.00	57397.80	-80.20
350.00	480.00	57840.00	57474.20	76.40
350.00	500.00	57840.00	57513.50	39.30
350.00	520.00	57840.00	57505.20	-8.30
350.00	540.00	57840.00	57542.00	36.80
350.00	560.00	57840.00	57407.80	-134.20
350.00	580.00	57840.00	57400.20	-7.60
350.00	600.00	57840.00	57478.20	78.00
350.00	620.00	57840.00	57456.70	-21.50
350.00	640.00	57840.00	57375.30	-81.40
350.00	660.00	57840.00	57930.20	554.90
350.00	680.00	57840.00	57497.40	-432.80
350.00	700.00	57840.00	57359.00	-138.40
350.00	720.00	57840.00	57356.90	-2.10
350.00	740.00	57840.00	57397.90	41.00
350.00	760.00	57840.00	57467.20	69.30

350.00	780.00	57840.00	57505.80	38.60
350.00	800.00	57840.00	57685.40	179.60

BONAPART MAGNETOMETER DATA ...GRID "B"

LINE	STN	CONSTANT	T.F MAG	DELTA C
300.00	.00	57840.00	57715.30	.00
300.00	20.00	57840.00	57740.10	24.80
300.00	40.00	57840.00	57774.50	34.40
300.00	60.00	57840.00	57777.70	3.20
300.00	80.00	57840.00	57733.10	-44.60
300.00	100.00	57840.00	57696.30	-36.80
300.00	120.00	57840.00	57703.70	7.40
300.00	140.00	57840.00	57656.00	-47.70
300.00	160.00	57840.00	57587.00	-69.00
300.00	180.00	57840.00	57650.00	63.00
300.00	200.00	57840.00	57643.80	-6.20
300.00	220.00	57840.00	57675.80	32.00
300.00	240.00	57840.00	57670.70	-5.10
300.00	260.00	57840.00	57755.70	85.00
300.00	280.00	57840.00	57695.40	-60.30
300.00	300.00	57840.00	57750.40	55.00
300.00	320.00	57840.00	57707.20	-43.20
300.00	340.00	57840.00	57688.10	-19.10
300.00	360.00	57840.00	57773.10	85.00
300.00	380.00	57840.00	57742.90	-30.20
300.00	400.00	57840.00	57778.00	35.10
300.00	420.00	57840.00	57747.80	-30.20
300.00	440.00	57840.00	57721.20	-26.60
300.00	460.00	57840.00	57713.90	-7.30
300.00	480.00	57840.00	57741.90	28.00
300.00	500.00	57840.00	57702.00	-39.90
300.00	520.00	57840.00	57681.00	-21.00
300.00	540.00	57840.00	57715.90	34.90
300.00	560.00	57840.00	57676.50	-39.40
300.00	580.00	57840.00	57618.00	-58.50
300.00	600.00	57840.00	57651.10	33.10
300.00	620.00	57840.00	57760.80	109.70
300.00	640.00	57840.00	57660.20	-100.60
300.00	660.00	57840.00	57654.90	-5.30
300.00	680.00	57840.00	57683.50	28.60
300.00	700.00	57840.00	57763.60	80.10
300.00	720.00	57840.00	57760.60	-3.00
300.00	740.00	57840.00	57866.80	106.20
300.00	760.00	57840.00	57900.00	33.20
300.00	780.00	57840.00	57867.00	-33.00
300.00	800.00	57840.00	57822.90	-44.10
350.00	.00	57840.00	57764.80	.00
350.00	20.00	57840.00	57792.70	27.90
350.00	40.00	57840.00	57722.80	-69.90
350.00	60.00	57840.00	57684.00	-38.80
350.00	80.00	57840.00	57791.00	107.00
350.00	100.00	57840.00	57758.80	-32.20
350.00	120.00	57840.00	57816.70	57.90

350.00	140.00	57840.00	57823.10	6.40
350.00	160.00	57840.00	57764.00	-59.10
350.00	180.00	57840.00	57815.30	51.30
350.00	200.00	57840.00	57621.50	-193.80
350.00	220.00	57840.00	57690.30	68.80
350.00	240.00	57840.00	57707.50	17.20
350.00	260.00	57840.00	57813.00	105.50
400.00	.00	57840.00	57759.80	.00
400.00	20.00	57840.00	57706.30	-53.50
400.00	40.00	57840.00	57795.80	89.50
400.00	60.00	57840.00	57744.00	-51.80
400.00	80.00	57840.00	57704.40	-39.60
400.00	100.00	57840.00	57848.30	143.90
400.00	120.00	57840.00	57841.30	-7.00
400.00	140.00	57840.00	57682.20	-159.10
400.00	160.00	57840.00	57818.20	136.00
400.00	180.00	57840.00	57779.10	-39.10
400.00	200.00	57840.00	57774.50	-4.60
400.00	220.00	57840.00	57711.90	-62.60
400.00	240.00	57840.00	57789.00	77.10
.00	.00	57840.00	57711.30	.00
.00	20.00	57840.00	57672.00	-39.30
.00	40.00	57840.00	57750.60	78.60
.00	60.00	57840.00	57747.20	-3.40
.00	80.00	57840.00	57741.90	-5.30
.00	100.00	57840.00	57766.60	24.70
.00	120.00	57840.00	57747.70	-18.90
.00	140.00	57840.00	57745.70	-2.00
.00	160.00	57840.00	57788.50	42.80
.00	180.00	57840.00	57821.80	33.30
.00	200.00	57840.00	57762.90	-58.90
.00	220.00	57840.00	57771.20	8.30
.00	240.00	57840.00	57794.80	23.60
.00	260.00	57840.00	57817.70	22.90
.00	280.00	57840.00	57898.10	80.40
.00	300.00	57840.00	57849.10	-49.00
.00	320.00	57840.00	57800.20	-48.90
.00	340.00	57840.00	57829.70	29.50
.00	360.00	57840.00	57760.10	-69.60
.00	380.00	57840.00	57789.30	29.20
.00	400.00	57840.00	57769.20	-20.10
.00	420.00	57840.00	57765.40	-3.80
.00	440.00	57840.00	57723.00	-42.40
.00	460.00	57840.00	57746.60	23.60
.00	480.00	57840.00	57731.20	-15.40
.00	500.00	57840.00	57750.00	18.80
.00	520.00	57840.00	57691.60	-58.40
.00	540.00	57840.00	57751.50	59.90
.00	560.00	57840.00	57684.60	-66.90
.00	580.00	57840.00	57514.00	-170.60
.00	600.00	57840.00	57705.80	191.80
.00	620.00	57840.00	57563.30	-142.50
.00	640.00	57840.00	57787.40	224.10
.00	660.00	57840.00	57816.90	29.50
.00	680.00	57840.00	57714.90	-102.00

.00	700.00	57840.00	57913.80	198.90
.00	720.00	57840.00	57792.40	-121.40
.00	740.00	57840.00	57907.80	115.40
.00	760.00	57840.00	58019.10	111.30
.00	780.00	57840.00	57827.00	-192.10
.00	800.00	57840.00	57731.40	-95.60
.00	820.00	57840.00	57708.30	-23.10
.00	840.00	57840.00	57636.50	-71.80
.00	860.00	57840.00	57638.60	2.10
.00	880.00	57840.00	57670.00	31.40
.00	900.00	57840.00	57760.10	90.10
50.00	.00	57840.00	57643.30	.00
50.00	20.00	57840.00	57667.60	24.30
50.00	40.00	57840.00	57701.30	33.70
50.00	60.00	57840.00	57754.20	52.90
50.00	80.00	57840.00	57706.70	-47.50
50.00	100.00	57840.00	57792.10	85.40
50.00	120.00	57840.00	57796.10	4.00
50.00	140.00	57840.00	57734.50	-61.60
50.00	160.00	57840.00	57768.20	33.70
50.00	180.00	57840.00	57807.20	39.00
50.00	200.00	57840.00	57872.80	65.60
50.00	220.00	57840.00	57749.10	-123.70
50.00	240.00	57840.00	57765.00	15.90
50.00	260.00	57840.00	57773.40	8.40
50.00	280.00	57840.00	57756.60	-16.80
50.00	300.00	57840.00	57805.80	49.20
50.00	320.00	57840.00	57763.30	-42.50
50.00	340.00	57840.00	57787.90	24.60
50.00	360.00	57840.00	57725.80	-62.10
50.00	380.00	57840.00	57812.40	86.60
50.00	400.00	57840.00	57709.50	-102.90
50.00	420.00	57840.00	57740.00	30.50
50.00	440.00	57840.00	57757.20	17.20
50.00	460.00	57840.00	57731.00	-26.20
50.00	480.00	57840.00	57661.60	-69.40
50.00	500.00	57840.00	57718.00	56.40
50.00	520.00	57840.00	57720.60	2.60
50.00	540.00	57840.00	57721.80	1.20
50.00	560.00	57840.00	57714.10	-7.70
50.00	580.00	57840.00	57720.40	6.30
50.00	600.00	57840.00	57735.10	14.70
50.00	620.00	57840.00	57746.70	11.60
50.00	640.00	57840.00	57815.20	68.50
50.00	660.00	57840.00	57777.90	-37.30
50.00	680.00	57840.00	57792.70	14.80
50.00	700.00	57840.00	57922.10	129.40
50.00	720.00	57840.00	57986.60	64.50
50.00	740.00	57840.00	57870.70	-115.90
50.00	760.00	57840.00	57793.50	-77.20
50.00	780.00	57840.00	57868.90	75.40
50.00	800.00	57840.00	57717.10	-151.80
50.00	820.00	57840.00	57746.00	28.90
50.00	840.00	57840.00	57740.20	-5.80
50.00	860.00	57840.00	57627.80	-112.40

50.00	880.00	57840.00	57685.10	57.30
50.00	900.00	57840.00	57679.80	-5.30
50.00	900.00	57840.00	57627.40	-52.40
100.00	.00	57840.00	57626.80	.00
100.00	20.00	57840.00	57636.80	10.00
100.00	40.00	57840.00	57655.00	18.20
100.00	60.00	57840.00	57817.20	162.20
100.00	80.00	57840.00	57533.20	-284.00
100.00	100.00	57840.00	57687.10	153.90
100.00	120.00	57840.00	57685.90	-1.20
100.00	140.00	57840.00	57756.10	70.20
100.00	160.00	57840.00	57763.60	7.50
100.00	180.00	57840.00	57627.60	-136.00
100.00	200.00	57840.00	57775.50	147.90
100.00	220.00	57840.00	57710.50	-65.00
100.00	240.00	57840.00	57763.20	52.70
100.00	260.00	57840.00	57800.60	37.40
100.00	280.00	57840.00	57768.90	-31.70
100.00	300.00	57840.00	57754.00	-14.90
100.00	320.00	57840.00	57770.50	16.50
100.00	340.00	57840.00	57787.10	16.60
100.00	360.00	57840.00	57714.40	-72.70
100.00	380.00	57840.00	57676.40	-38.00
100.00	400.00	57840.00	57997.00	320.60
100.00	420.00	57840.00	57665.40	-331.60
100.00	440.00	57840.00	57816.10	150.70
100.00	460.00	57840.00	57772.80	-43.30
100.00	480.00	57840.00	57705.50	-67.30
100.00	500.00	57840.00	57736.20	30.70
100.00	520.00	57840.00	57818.80	82.60
100.00	540.00	57840.00	57747.60	-71.20
100.00	560.00	57840.00	57665.80	-81.80
100.00	580.00	57840.00	57622.60	-43.20
100.00	600.00	57840.00	57590.80	-31.80
100.00	620.00	57840.00	57630.40	39.60
100.00	640.00	57840.00	57663.60	33.20
100.00	660.00	57840.00	57959.40	295.80
100.00	680.00	57840.00	57830.60	-128.80
100.00	700.00	57840.00	57816.30	-14.30
100.00	720.00	57840.00	57678.40	-137.90
100.00	740.00	57840.00	57658.50	-19.90
100.00	760.00	57840.00	57684.10	25.60
100.00	780.00	57840.00	57620.00	-64.10
100.00	800.00	57840.00	57704.80	84.80
100.00	820.00	57840.00	57742.80	38.00
100.00	840.00	57840.00	57717.50	-25.30
100.00	860.00	57840.00	57787.20	69.70
100.00	880.00	57840.00	57686.20	-101.00
100.00	900.00	57840.00	57845.80	159.60
150.00	.00	57840.00	57728.10	.00
150.00	20.00	57840.00	57703.50	-24.60
150.00	40.00	57840.00	57722.50	19.00
150.00	60.00	57840.00	57758.90	36.40
150.00	80.00	57840.00	57764.30	5.40
150.00	100.00	57840.00	57820.80	56.50

150.00	120.00	57840.00	57792.50	-28.30
150.00	140.00	57840.00	57775.30	-17.20
150.00	160.00	57840.00	57926.60	151.30
150.00	180.00	57840.00	57821.40	-105.20
150.00	200.00	57840.00	57799.30	-22.10
150.00	220.00	57840.00	57747.90	-51.40
150.00	240.00	57840.00	57672.00	-75.90
150.00	260.00	57840.00	57733.00	61.00
150.00	280.00	57840.00	57755.00	22.00
150.00	300.00	57840.00	57745.60	-9.40
150.00	320.00	57840.00	57685.60	-60.00
150.00	340.00	57840.00	57735.00	49.40
150.00	360.00	57840.00	57730.40	-4.60
150.00	380.00	57840.00	57724.20	-6.20
150.00	400.00	57840.00	57719.50	-4.70
150.00	420.00	57840.00	57686.30	-33.20
150.00	440.00	57840.00	57770.30	84.00
150.00	460.00	57840.00	57769.20	-1.10
150.00	480.00	57840.00	57738.40	-30.80
150.00	500.00	57840.00	57712.50	-25.90
150.00	520.00	57840.00	57689.40	-23.10
150.00	540.00	57840.00	57684.70	-4.70
150.00	560.00	57840.00	57680.70	-4.00
150.00	580.00	57840.00	57683.90	3.20
150.00	600.00	57840.00	57750.20	66.30
150.00	620.00	57840.00	57862.00	111.80
150.00	640.00	57840.00	57649.60	-212.40
150.00	660.00	57840.00	57552.40	-97.20
150.00	680.00	57840.00	57727.10	174.70
150.00	700.00	57840.00	57669.60	-57.50
150.00	720.00	57840.00	57780.10	110.50
150.00	740.00	57840.00	57715.90	-64.20
150.00	760.00	57840.00	57711.30	-4.60
150.00	780.00	57840.00	57670.60	-40.70
150.00	800.00	57840.00	57668.00	-2.60
150.00	820.00	57840.00	57899.30	231.30
150.00	840.00	57840.00	57924.30	25.00
150.00	860.00	57840.00	57983.60	59.30
150.00	880.00	57840.00	57993.00	9.40
150.00	900.00	57840.00	57876.60	-116.40
200.00	.00	57840.00	57756.20	.00
200.00	20.00	57840.00	57683.70	-72.50
200.00	40.00	57840.00	57719.90	36.20
200.00	60.00	57840.00	57728.00	8.10
200.00	80.00	57840.00	57699.90	-28.10
200.00	100.00	57840.00	57712.90	13.00
200.00	120.00	57840.00	57755.20	42.30
200.00	140.00	57840.00	57726.10	-29.10
200.00	160.00	57840.00	57877.00	150.90
200.00	180.00	57840.00	57635.40	-241.60
200.00	200.00	57840.00	57987.00	351.60
200.00	220.00	57840.00	57631.50	-355.50
200.00	240.00	57840.00	57436.90	-194.60
200.00	260.00	57840.00	57562.60	145.70
200.00	280.00	57840.00	57767.90	185.30

200.00	300.00	57840.00	57716.10	-51.80
200.00	320.00	57840.00	57787.50	71.40
200.00	340.00	57840.00	57812.00	24.50
200.00	360.00	57840.00	57768.50	-43.50
200.00	380.00	57840.00	57704.90	-63.60
200.00	400.00	57840.00	57729.70	24.80
200.00	420.00	57840.00	57720.40	-9.30
200.00	440.00	57840.00	57704.10	-16.30
200.00	460.00	57840.00	57737.30	33.20
200.00	480.00	57840.00	57774.70	37.40
200.00	500.00	57840.00	57719.20	-55.50
200.00	520.00	57840.00	57751.00	31.80
200.00	540.00	57840.00	57706.00	-45.00
200.00	560.00	57840.00	57703.50	-2.50
200.00	580.00	57840.00	57741.30	37.80
200.00	600.00	57840.00	57750.50	9.20
200.00	620.00	57840.00	57770.60	20.10
200.00	640.00	57840.00	57677.10	-93.50
200.00	660.00	57840.00	57713.00	35.90
200.00	680.00	57840.00	57724.10	11.10
200.00	700.00	57840.00	57646.50	-77.60
200.00	720.00	57840.00	57703.90	57.40
200.00	740.00	57840.00	57692.10	-11.80
200.00	760.00	57840.00	57677.10	-15.00
200.00	780.00	57840.00	57738.90	61.80
200.00	800.00	57840.00	57706.00	-32.90
200.00	820.00	57840.00	57806.50	100.50
200.00	840.00	57840.00	58013.10	206.60
200.00	860.00	57840.00	57904.20	-108.90
200.00	880.00	57840.00	57835.20	-69.00
200.00	900.00	57840.00	57824.50	-10.70
.00	-400.00	57840.00	57593.90	.00
.00	-380.00	57840.00	57587.90	-6.00
.00	-360.00	57840.00	57587.40	-.50
.00	-340.00	57840.00	57583.50	-3.90
.00	-320.00	57840.00	57683.50	100.00
.00	-300.00	57840.00	57642.10	-41.40
.00	-280.00	57840.00	57693.40	51.30
.00	-260.00	57840.00	57653.80	-39.60
.00	-240.00	57840.00	57597.10	-56.70
.00	-220.00	57840.00	57779.30	182.20
.00	-200.00	57840.00	57692.60	-86.70
.00	-180.00	57840.00	57746.90	54.30
.00	-160.00	57840.00	57889.80	142.90
.00	-140.00	57840.00	57844.40	-45.40
.00	-120.00	57840.00	57728.10	-116.30
.00	-100.00	57840.00	57875.70	147.60
.00	-80.00	57840.00	57738.90	-136.80
.00	-60.00	57840.00	57784.50	45.60
.00	-40.00	57840.00	57699.60	-84.90
.00	-20.00	57840.00	58025.40	325.80
50.00	-400.00	57840.00	57554.60	.00
50.00	-380.00	57840.00	57574.40	19.80
50.00	-360.00	57840.00	57630.70	56.30
50.00	-340.00	57840.00	57595.20	-35.50

50.00	-320.00	57840.00	57619.00	23.80
50.00	-300.00	57840.00	57672.00	53.00
50.00	-280.00	57840.00	57715.10	43.10
50.00	-260.00	57840.00	57603.70	-111.40
50.00	-240.00	57840.00	57569.90	-33.80
50.00	-220.00	57840.00	57922.70	352.80
50.00	-200.00	57840.00	57881.90	-40.80
50.00	-180.00	57840.00	57761.20	-120.70
50.00	-160.00	57840.00	57729.10	-32.10
50.00	-140.00	57840.00	57759.00	29.90
50.00	-120.00	57840.00	57794.90	35.90
50.00	-100.00	57840.00	57841.00	46.10
50.00	-80.00	57840.00	57793.70	-47.30
50.00	-60.00	57840.00	57838.30	44.60
50.00	-40.00	57840.00	57771.60	-66.70
50.00	-20.00	57840.00	57712.80	-58.80
100.00	-400.00	57840.00	57518.80	.00
100.00	-380.00	57840.00	57592.60	73.80
100.00	-360.00	57840.00	57565.00	-27.60
100.00	-340.00	57840.00	57679.80	114.80
100.00	-320.00	57840.00	57661.70	-18.10
100.00	-300.00	57840.00	57605.30	-56.40
100.00	-280.00	57840.00	57740.70	135.40
100.00	-260.00	57840.00	57746.10	5.40
100.00	-240.00	57840.00	57592.40	-153.70
100.00	-220.00	57840.00	57702.70	110.30
100.00	-200.00	57840.00	57697.50	-5.20
100.00	-180.00	57840.00	57729.60	32.10
100.00	-160.00	57840.00	57777.20	47.60
100.00	-140.00	57840.00	57719.50	-57.70
100.00	-120.00	57840.00	57838.20	118.70
100.00	-100.00	57840.00	57833.30	-4.90
100.00	-80.00	57840.00	57865.30	32.00
100.00	-60.00	57840.00	57812.40	-52.90
100.00	-40.00	57840.00	57820.90	8.50
100.00	-20.00	57840.00	57797.10	-23.80
150.00	-400.00	57840.00	57434.20	.00
150.00	-380.00	57840.00	57609.30	175.10
150.00	-360.00	57840.00	57611.60	2.30
150.00	-340.00	57840.00	57657.70	46.10
150.00	-320.00	57840.00	57630.00	-27.70
150.00	-300.00	57840.00	57743.00	113.00
150.00	-280.00	57840.00	57573.00	-170.00
150.00	-260.00	57840.00	57612.40	39.40
150.00	-240.00	57840.00	57585.20	-27.20
150.00	-220.00	57840.00	57624.00	38.80
150.00	-200.00	57840.00	57656.00	32.00
150.00	-180.00	57840.00	57865.20	209.20
150.00	-160.00	57840.00	57845.50	-19.70
150.00	-140.00	57840.00	57653.90	-191.60
150.00	-120.00	57840.00	57845.10	191.20
150.00	-100.00	57840.00	57810.20	-34.90
150.00	-80.00	57840.00	57762.50	-47.70
150.00	-60.00	57840.00	57764.80	2.30
150.00	-40.00	57840.00	57806.20	41.40

150.00	-20.00	57840.00	57832.90	26.70
200.00	-400.00	57840.00	57581.20	.00
200.00	-380.00	57840.00	57581.00	19.80
200.00	-360.00	57840.00	57732.30	151.30
200.00	-340.00	57840.00	57519.30	-213.00
200.00	-320.00	57840.00	57581.80	62.50
200.00	-300.00	57840.00	57586.60	4.80
200.00	-280.00	57840.00	57658.00	71.40
200.00	-260.00	57840.00	57590.30	-67.70
200.00	-240.00	57840.00	57563.70	-26.60
200.00	-220.00	57840.00	57667.10	103.40
200.00	-200.00	57840.00	57721.20	54.10
200.00	-180.00	57840.00	57757.70	36.50
200.00	-160.00	57840.00	57804.30	46.60
200.00	-140.00	57840.00	57756.90	-47.40
200.00	-120.00	57840.00	57751.10	-5.80
200.00	-100.00	57840.00	57796.30	45.20
200.00	-80.00	57840.00	57734.80	-61.50
200.00	-60.00	57840.00	57393.70	-341.10
200.00	-40.00	57840.00	57829.70	436.00
200.00	-20.00	57840.00	57716.10	-113.60
250.00	-500.00	57840.00	57393.40	.00
250.00	-480.00	57840.00	57484.50	91.10
250.00	-460.00	57840.00	57531.60	47.10
250.00	-440.00	57840.00	57562.20	30.60
250.00	-420.00	57840.00	57606.80	44.60
250.00	-400.00	57840.00	57584.90	-21.90
250.00	-380.00	57840.00	57757.40	172.50
250.00	-360.00	57840.00	57569.50	-137.90
250.00	-340.00	57840.00	57633.50	64.00
250.00	-320.00	57840.00	57621.60	-11.90
250.00	-300.00	57840.00	57706.00	84.40
250.00	-280.00	57840.00	57509.60	-196.40
250.00	-260.00	57840.00	57558.40	48.80
250.00	-240.00	57840.00	57662.90	104.50
250.00	-220.00	57840.00	56759.00	-903.90
250.00	-200.00	57840.00	57647.80	888.80
250.00	-180.00	57840.00	57772.60	124.80
250.00	-160.00	57840.00	57724.80	-47.80
250.00	-140.00	57840.00	57713.40	-11.40
250.00	-120.00	57840.00	57837.70	124.30
250.00	-100.00	57840.00	57663.90	-173.80
250.00	-80.00	57840.00	57707.70	43.80
250.00	-60.00	57840.00	57751.00	43.30
250.00	-40.00	57840.00	57639.60	-111.40
250.00	-20.00	57840.00	57770.50	130.90
250.00	.00	57840.00	57828.80	58.30
250.00	20.00	57840.00	57769.40	-59.40
250.00	40.00	57840.00	57741.50	-27.90
250.00	60.00	57840.00	57707.60	-33.90
250.00	80.00	57840.00	57629.00	-78.60
250.00	100.00	57840.00	57666.20	37.20
250.00	120.00	57840.00	57811.60	145.40
250.00	140.00	57840.00	57638.60	-173.00
250.00	160.00	57840.00	57741.90	103.30

250.00	180.00	57840.00	57863.50	123.60
250.00	200.00	57840.00	57773.00	-92.50
250.00	220.00	57840.00	57593.40	-179.60
250.00	240.00	57840.00	57742.00	148.60
250.00	260.00	57840.00	57749.00	7.00
250.00	280.00	57840.00	57783.50	34.50
250.00	300.00	57840.00	57792.10	8.60
250.00	320.00	57840.00	57797.30	5.20
250.00	340.00	57840.00	57802.20	4.90
250.00	360.00	57840.00	57732.90	-69.30
250.00	380.00	57840.00	57796.70	63.80
250.00	400.00	57840.00	57741.40	-55.30
250.00	420.00	57840.00	57707.80	-33.60
250.00	440.00	57840.00	57705.80	-2.00
250.00	460.00	57840.00	57735.30	29.50
250.00	480.00	57840.00	57706.30	-29.00
250.00	500.00	57840.00	57809.50	103.20
250.00	520.00	57840.00	57729.00	-80.50
250.00	540.00	57840.00	57756.30	27.30
250.00	560.00	57840.00	57780.80	24.50
250.00	580.00	57840.00	57715.40	-65.40
250.00	600.00	57840.00	57721.70	6.30
250.00	620.00	57840.00	57849.20	127.50
250.00	640.00	57840.00	57769.40	-79.80
250.00	660.00	57840.00	57705.80	-63.60
250.00	680.00	57840.00	57700.10	-5.70
250.00	700.00	57840.00	57731.00	30.90
250.00	720.00	57840.00	57760.00	29.00
250.00	740.00	57840.00	57863.10	103.10
250.00	760.00	57840.00	57898.80	35.70
250.00	780.00	57840.00	57863.40	-35.40
250.00	800.00	57840.00	57829.50	-33.90
300.00	-500.00	57840.00	57524.00	.00
300.00	-480.00	57840.00	57571.50	47.50
300.00	-460.00	57840.00	57555.20	-16.30
300.00	-440.00	57840.00	57587.30	32.10
300.00	-420.00	57840.00	57665.00	77.70
300.00	-400.00	57840.00	57720.60	55.60
300.00	-380.00	57840.00	57683.30	-37.30
300.00	-360.00	57840.00	57590.50	-92.80
300.00	-340.00	57840.00	57596.30	5.80
300.00	-320.00	57840.00	57670.50	74.20
300.00	-300.00	57840.00	57649.40	-21.10
300.00	-280.00	57840.00	57700.80	51.40
300.00	-260.00	57840.00	57637.70	-63.10
300.00	-240.00	57840.00	57660.90	23.20
300.00	-220.00	57840.00	57793.60	132.70
300.00	-200.00	57840.00	57701.60	-92.00
300.00	-180.00	57840.00	57700.30	-1.30
300.00	-160.00	57840.00	57736.40	36.10
300.00	-140.00	57840.00	57797.20	60.80
300.00	-120.00	57840.00	57857.60	60.40
300.00	-100.00	57840.00	57863.20	5.60
300.00	-80.00	57840.00	57887.50	24.30
300.00	-60.00	57840.00	57831.60	-55.90

300.00	-40.00	57840.00	57752.50	-79.10
300.00	-20.00	57840.00	57740.00	-12.50
300.00	.00	57840.00	57714.00	-26.00
350.00	-500.00	57840.00	57553.60	.00
350.00	-480.00	57840.00	57576.60	23.00
350.00	-460.00	57840.00	57672.70	96.10
350.00	-440.00	57840.00	57739.30	66.60
350.00	-420.00	57840.00	57689.70	-49.60
350.00	-400.00	57840.00	57586.30	-103.40
350.00	-380.00	57840.00	57715.70	129.40
350.00	-360.00	57840.00	57596.70	-119.00
350.00	-340.00	57840.00	57635.70	39.00
350.00	-320.00	57840.00	57634.70	-1.00
350.00	-300.00	57840.00	57737.50	102.80
350.00	-280.00	57840.00	57650.90	-86.60
350.00	-260.00	57840.00	57655.10	4.20
350.00	-240.00	57840.00	57632.90	-22.20
350.00	-220.00	57840.00	57538.00	-94.90
350.00	-200.00	57840.00	57646.10	108.10
350.00	-180.00	57840.00	57719.00	72.90
350.00	-160.00	57840.00	57635.60	-83.40
350.00	-140.00	57840.00	57795.90	160.30
350.00	-120.00	57840.00	57838.10	42.20
350.00	-100.00	57840.00	57903.30	65.20
350.00	-80.00	57840.00	57857.10	-46.20
350.00	-60.00	57840.00	57803.90	-53.20
350.00	-40.00	57840.00	57814.90	11.00
350.00	-20.00	57840.00	57821.40	6.50
350.00	.00	57840.00	57784.50	-36.90
400.00	-500.00	57840.00	57558.80	.00
400.00	-480.00	57840.00	57550.80	-8.00
400.00	-460.00	57840.00	57575.70	24.90
400.00	-440.00	57840.00	57538.70	13.00
400.00	-420.00	57840.00	57586.60	-2.10
400.00	-400.00	57840.00	57581.10	-5.50
400.00	-380.00	57840.00	57582.30	1.20
400.00	-360.00	57840.00	57590.00	7.70
400.00	-340.00	57840.00	57600.50	10.50
400.00	-320.00	57840.00	57551.90	-48.60
400.00	-300.00	57840.00	57643.80	91.90
400.00	-280.00	57840.00	57579.00	-64.80
400.00	-260.00	57840.00	57716.40	137.40
400.00	-240.00	57840.00	57631.70	-84.70
400.00	-220.00	57840.00	57602.70	-29.00
400.00	-200.00	57840.00	57679.40	76.70
400.00	-180.00	57840.00	57661.30	-18.10
400.00	-160.00	57840.00	57649.00	-12.30
400.00	-140.00	57840.00	57705.60	56.60
400.00	-120.00	57840.00	57837.40	131.80
400.00	-100.00	57840.00	58024.60	187.20
400.00	-80.00	57840.00	57783.90	-240.70
400.00	-60.00	57840.00	57766.10	-17.80
400.00	-40.00	57840.00	57756.70	-9.40
400.00	-20.00	57840.00	57746.50	-10.20

BONAPART VLF DATA ...GRID "A"

LINE	STN	FFSTN	TILT	QUAD	F.F.
0	0	30	2	-8	-6
0	20	50	0	-15	-15
0	40	70	2	-16	-15
0	60	90	6	-26	-2
0	80	110	11	-42	14
0	100	130	12	-36	15
0	120	150	7	-21	5
0	140	170	2	-18	-1
0	160	190	2	-10	1
0	180	210	2	-1	11
0	200	230	3	8	14
0	220	250	0	5	0
0	240	270	-6	-4	-6
0	260	290	-5	-2	-1
0	280	310	-1	8	-3
0	300	330	-4	-2	-3
0	320	350	-1	-8	-3
0	340	370	-1	-6	-11
0	360	390	-1	0	-10
0	380	410	2	3	2
0	400	430	7	8	15
0	420	450	4	6	18
0	440	470	3	-1	2
0	460	490	-7	-12	-6
0	480	510	-4	-3	0
0	500	530	-2	6	-2
0	520	550	-3	7	-1
0	540	570	-3	13	0
0	560	590	0	17	-11
0	580	610	-5	15	-8
0	600	630	2	23	7
0	620	650	4	25	15
0	640	670	1	16	16
0	660	690	-2	2	8
0	680	710	-8	-2	1
0	700	730	-9	9	1
0	720	750	-9	22	-2
0	740	770	-9	27	-8
0	760	790	-10	13	
0	780	810	-6	14	
0	800	830	-5	10	
50	0	30	-15	-3	23
50	20	50	-15	1	51
50	40	70	-14	14	5
50	60	90	-39	10	-51
50	80	110	-41	5	-38
50	100	130	-17	6	-18
50	120	150	-12	7	-23
50	140	170	-8	3	-27

50	160	190	-3	4	-20
50	180	210	6	4	-6
50	200	230	10	4	7
50	220	250	13	4	14
50	240	270	9	1	20
50	260	290	7	-2	21
50	280	310	1	-5	12
50	300	330	-5	-5	-4
50	320	350	-8	-5	-21
50	340	370	-8	-5	-29
50	360	390	-1	-2	-26
50	380	410	6	3	-2
50	400	430	14	7	24
50	420	450	17	7	18
50	440	470	5	3	8
50	460	490	2	1	11
50	480	510	2	-1	5
50	500	530	-3	-3	-6
50	520	550	-4	-6	-12
50	540	570	-2	-6	-22
50	560	590	1	-9	-32
50	580	610	5	-10	-18
50	600	630	16	-4	13
50	620	650	22	-2	29
50	640	670	17	0	15
50	660	690	8	1	-8
50	680	710	2	0	-9
50	700	730	8	-1	-2
50	720	750	10	-3	-11
50	740	770	9	-5	-12
50	760	790	11	-7	
50	780	810	19	-5	
50	800	830	13	-4	
100	0	30	-9	1	36
100	20	50	-2	5	40
100	40	70	-14	6	-5
100	60	90	-33	3	-20
100	80	110	-23	3	-14
100	100	130	-19	3	-16
100	120	150	-17	1	-16
100	140	170	-11	0	-19
100	160	190	-9	0	-20
100	180	210	-3	-2	-12
100	200	230	2	0	-4
100	220	250	6	1	-2
100	240	270	5	-1	8
100	260	290	7	-1	26
100	280	310	6	-3	28
100	300	330	-2	-3	4
100	320	350	-11	-5	-24
100	340	370	-13	-9	-33
100	360	390	-4	-5	-25
100	380	410	4	-2	-4
100	400	430	12	4	14
100	420	450	13	3	14

100	440	470	7	3	6
100	460	490	4	1	5
100	480	510	2	0	10
100	500	530	3	-2	3
100	520	550	-2	-4	-14
100	540	570	-3	-7	-22
100	560	590	1	-7	-20
100	580	610	8	-6	-14
100	600	630	12	-6	0
100	620	650	17	-4	14
100	640	670	17	-1	11
100	660	690	12	-1	0
100	680	710	8	0	-1
100	700	730	10	0	2
100	720	750	10	-3	-7
100	740	770	9	-4	-12
100	760	790	9	-5	
100	780	810	17	-5	
100	800	830	13	-3	
150	0	30	-12	2	30
150	20	50	6	5	58
150	40	70	-12	6	25
150	60	90	-24	5	-30
150	80	110	-40	4	-36
150	100	130	-21	6	-13
150	120	150	-13	5	-7
150	140	170	-12	3	-6
150	160	190	-9	-1	-10
150	180	210	-9	-3	-17
150	200	230	-6	-4	-17
150	220	250	-2	-4	-9
150	240	270	4	-4	0
150	260	290	5	-3	7
150	280	310	6	-3	7
150	300	330	3	-2	-3
150	320	350	1	0	-15
150	340	370	1	-1	-12
150	360	390	6	1	5
150	380	410	11	-1	13
150	400	430	8	0	12
150	420	450	4	0	8
150	440	470	2	-1	0
150	460	490	-2	-1	-4
150	480	510	0	-2	-8
150	500	530	0	-4	-18
150	520	550	2	-6	-24
150	540	570	6	-7	-11
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150	600	630	13	-7	5
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150	660	690	9	-1	-3
150	680	710	6	-1	-8
150	700	730	8	1	-16

150	720	750	10	1	-23
150	740	770	12	-1	-7
150	760	790	22	-1	
150	780	810	23	-1	
150	800	830	18	-2	
200	0	30	-6	5	16
200	20	50	-5	5	29
200	40	70	-10	7	19
200	60	90	-17	7	-13
200	80	110	-27	2	-18
200	100	130	-19	5	-5
200	120	150	-12	6	-13
200	140	170	-16	1	-22
200	160	190	-10	-2	-26
200	180	210	-5	-2	-30
200	200	230	1	-2	-21
200	220	250	10	1	4
200	240	270	16	3	17
200	260	290	16	-1	14
200	280	310	6	-4	8
200	300	330	9	-2	-16
200	320	350	-1	-1	-27
200	340	370	8	3	-4
200	360	390	16	5	16
200	380	410	18	2	17
200	400	430	10	-3	2
200	420	450	8	-4	-20
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200	460	490	13	-6	-3
200	480	510	18	-3	11
200	500	530	19	-5	11
200	520	550	15	-3	1
200	540	570	11	-1	-2
200	560	590	12	-2	5
200	580	610	13	-3	9
200	600	630	12	-4	1
200	620	650	8	-5	-13
200	640	670	8	-5	-23
200	660	690	11	-3	-17
200	680	710	18	0	3
200	700	730	24	3	20
200	720	750	22	1	23
200	740	770	17	-3	9
200	760	790	9	-3	
200	780	810	7	-6	
200	800	830	10	-6	
250	0	30	-9	1	-4
250	20	50	-6	4	6
250	40	70	-3	4	4
250	60	90	-8	3	-1
250	80	110	-7	3	-5
250	100	130	-8	3	-7
250	120	150	-6	3	-7
250	140	170	-4	1	-10
250	160	190	-3	-2	-17

250	180	210	0	-4	-18
250	200	230	3	-4	-3
250	220	250	11	-1	11
250	240	270	10	-2	16
250	260	290	7	-3	11
250	280	310	3	-2	-3
250	300	330	-2	0	-11
250	320	350	1	-1	-15
250	340	370	3	-1	-16
250	360	390	7	1	-12
250	380	410	12	1	-9
250	400	430	14	-1	11
250	420	450	17	-2	28
250	440	470	18	-3	13
250	460	490	2	-5	-1
250	480	510	5	-4	-12
250	500	530	2	-5	-18
250	520	550	6	-6	-7
250	540	570	13	-3	0
250	560	590	13	-5	0
250	580	610	13	-7	2
250	600	630	13	-8	4
250	620	650	13	-7	3
250	640	670	11	-7	-1
250	660	690	11	-6	-2
250	680	710	10	-4	5
250	700	730	13	-1	3
250	720	750	10	3	-4
250	740	770	8	5	1
250	760	790	12	2	
250	780	810	10	-4	
250	800	830	9	-10	
300	0	30	-7	3	-14
300	20	50	0	3	5
300	40	70	3	6	31
300	60	90	4	4	26
300	80	110	-6	5	-12
300	100	130	-18	-3	-27
300	120	150	-10	3	-16
300	140	170	-2	3	-9
300	160	190	1	1	-8
300	180	210	3	0	-7
300	200	230	5	-2	-3
300	220	250	7	-2	6
300	240	270	8	-2	17
300	260	290	7	0	17
300	280	310	2	0	2
300	300	330	-4	1	-10
300	320	350	-4	-1	-12
300	340	370	0	1	-15
300	360	390	2	-1	-21
300	380	410	6	0	-22
300	400	430	11	0	-18
300	420	450	18	0	-19
300	440	470	21	-3	-7

300	460	490	26	-5	20
300	480	510	32	-3	29
300	500	530	22	-3	19
300	520	550	16	-1	7
300	540	570	9	1	8
300	560	590	10	2	12
300	580	610	8	1	9
300	600	630	3	1	3
300	620	650	3	-1	-19
300	640	670	-1	-5	-32
300	660	690	4	-6	-14
300	680	710	17	3	10
300	700	730	18	3	20
300	720	750	17	0	6
300	740	770	8	-7	-11
300	760	790	7	-8	
300	780	810	12	-3	
300	800	830	14	-3	
350	0	30	-5	2	-6
350	20	50	-2	5	16
350	40	70	4	7	26
350	60	90	-5	3	12
350	80	110	-9	5	-19
350	100	130	-18	-1	-24
350	120	150	-8	3	-8
350	140	170	0	4	-10
350	160	190	-2	-1	-11
350	180	210	2	-1	-3
350	200	230	6	-1	-7
350	220	250	5	0	-2
350	240	270	6	2	20
350	260	290	12	2	19
350	280	310	1	1	0
350	300	330	-3	3	-8
350	320	350	-3	4	-7
350	340	370	1	3	-12
350	360	390	1	0	-22
350	380	410	4	1	-21
350	400	430	10	1	-14
350	420	450	17	1	-14
350	440	470	18	-4	-18
350	460	490	23	-5	-11
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350	680	710	6	-3	-11
350	700	730	13	0	11
350	720	750	17	2	16

350	740	770	13	1	0
350	760	790	6	-5	
350	780	810	8	-2	
350	800	830	11	-2	
400	0	30	-12	7	-3
400	20	50	-10	5	3
400	40	70	-9	1	11
400	60	90	-10	3	12
400	80	110	-12	4	-4
400	100	130	-18	-1	-16
400	120	150	-16	3	-9
400	140	170	-10	3	-6
400	160	190	-8	-1	-17
400	180	210	-9	-3	-23
400	200	230	-3	-2	-21
400	220	250	3	-3	-6
400	240	270	8	3	23
400	260	290	13	3	33
400	280	310	4	2	17
400	300	330	-6	1	0
400	320	350	-10	3	-11
400	340	370	-9	3	-22
400	360	390	-7	2	-24
400	380	410	-1	1	-10
400	400	430	7	3	-3
400	420	450	9	-1	-18
400	440	470	7	-4	-33
400	460	490	12	-6	-21
400	480	510	22	-3	16
400	500	530	30	-3	41
400	520	550	25	-5	27
400	540	570	11	-5	2
400	560	590	3	0	6
400	580	610	6	4	24
400	600	630	6	3	23
400	620	650	-3	-1	2
400	640	670	-9	-6	-22
400	660	690	-11	-9	-29
400	680	710	-3	-7	-14
400	700	730	5	-3	3
400	720	750	10	0	3
400	740	770	6	-1	0
400	760	790	6	0	
400	780	810	7	0	
400	800	830	5	1	
450	0	30	-14	7	-5
450	20	50	-18	1	-5
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450	60	90	-12	1	8
450	80	110	-16	1	8
450	100	130	-14	1	-6
450	120	150	-22	-1	-12
450	140	170	-16	3	-10
450	160	190	-14	3	-10
450	180	210	-12	-1	-8

450	200	230	-5	-1	-11
450	220	250	-8	-4	-13
450	240	270	-4	-3	-2
450	260	290	-1	2	12
450	280	310	2	3	4
450	300	330	-5	1	-18
450	320	350	-6	3	-22
450	340	370	-1	5	-11
450	360	390	8	9	-8
450	380	410	7	4	-11
450	400	430	11	5	-11
450	420	450	12	4	-6
450	440	470	17	3	-10
450	460	490	17	2	-11
450	480	510	18	-2	4
450	500	530	26	-4	15
450	520	550	20	-6	21
450	540	570	20	-6	7
450	560	590	11	-5	-5
450	580	610	8	-1	10
450	600	630	16	1	15
450	620	650	8	1	16
450	640	670	6	-1	17
450	660	690	3	-6	-1
450	680	710	-5	-11	-14
450	700	730	-3	-11	-8
450	720	750	2	-5	0
450	740	770	4	0	1
450	760	790	3	0	
450	780	810	3	2	
450	800	830	3	3	
500	0	30	-16	2	-7
500	20	50	-23	-2	-17
500	40	70	-19	-1	-7
500	60	90	-13	3	1
500	80	110	-12	3	4
500	100	130	-13	-3	2
500	120	150	-13	-1	-10
500	140	170	-16	-3	-14
500	160	190	-12	-1	-7
500	180	210	-7	2	0
500	200	230	-7	-2	5
500	220	250	-5	-1	3
500	240	270	-9	-3	-13
500	260	290	-8	-4	-33
500	280	310	-9	-1	-12
500	300	330	5	6	17
500	320	350	11	9	1
500	340	370	-3	0	-11
500	360	390	2	3	-2
500	380	410	5	2	-4
500	400	430	5	2	-16
500	420	450	4	1	-26
500	440	470	10	0	-22
500	460	490	15	2	-3

500	480	510	25	3	7
500	500	530	22	-1	14
500	520	550	21	-3	27
500	540	570	19	-4	19
500	560	590	10	-5	-2
500	580	610	3	-3	-5
500	600	630	7	0	-3
500	620	650	8	-2	-8
500	640	670	7	-5	2
500	660	690	11	-6	17
500	680	710	12	-9	11
500	700	730	4	-9	-1
500	720	750	2	-7	-1
500	740	770	3	-2	8
500	760	790	4	1	
500	780	810	2	3	
500	800	830	-3	3	
550	0	30	-17	-1	-9
550	20	50	-18	-1	-2
550	40	70	-12	3	-4
550	60	90	-14	1	-12
550	80	110	-14	-2	-5
550	100	130	-8	-1	9
550	120	150	-8	-2	13
550	140	170	-9	-3	2
550	160	190	-16	-6	-12
550	180	210	-14	-5	-22
550	200	230	-13	-5	-21
550	220	250	-5	-3	-5
550	240	270	0	-1	4
550	260	290	3	0	-14
550	280	310	-3	-1	-23
550	300	330	2	3	6
550	320	350	12	10	20
550	340	370	10	5	-3
550	360	390	-2	-2	-5
550	380	410	4	1	9
550	400	430	7	2	-8
550	420	450	0	-3	-30
550	440	470	2	-5	-33
550	460	490	13	1	-21
550	480	510	19	1	8
550	500	530	29	5	27
550	520	550	24	1	23
550	540	570	16	1	6
550	560	590	10	5	-10
550	580	610	7	1	-7
550	600	630	13	7	-13
550	620	650	14	3	-27
550	640	670	13	-2	-5
550	660	690	27	4	35
550	680	710	27	0	44
550	700	730	18	-5	12
550	720	750	1	-5	-13
550	740	770	0	-1	-6

550	760	790	7	5	
550	780	810	7	3	
550	800	830	6	4	
600	0	30	-17	3	-8
600	20	50	-23	1	-17
600	40	70	-19	4	-9
600	60	90	-13	4	-7
600	80	110	-12	2	-9
600	100	130	-11	0	-2
600	120	150	-7	1	6
600	140	170	-7	-1	9
600	160	190	-9	-2	11
600	180	210	-11	-1	4
600	200	230	-14	-3	-17
600	220	250	-17	-8	-31
600	240	270	-12	-7	-18
600	260	290	-2	-1	2
600	280	310	4	-2	-2
600	300	330	0	0	-21
600	320	350	0	-1	-25
600	340	370	6	5	-7
600	360	390	15	13	7
600	380	410	16	6	3
600	400	430	12	1	1
600	420	450	12	1	2
600	440	470	13	1	-3
600	460	490	10	1	-3
600	480	510	12	3	6
600	500	530	13	4	12
600	520	550	13	4	5
600	540	570	7	4	-7
600	560	590	7	2	-10
600	580	610	8	2	1
600	600	630	13	3	1
600	620	650	12	-1	-23
600	640	670	8	-4	-35
600	660	690	16	-2	-3
600	680	710	27	2	42
600	700	730	32	1	35
600	720	750	14	-5	1
600	740	770	3	-5	-6
600	760	790	8	-1	
600	780	810	8	-1	
600	800	830	9	1	
650	0	30	-14	4	6
650	20	50	-22	3	-17
650	40	70	-26	3	-15
650	60	90	-16	3	-12
650	80	110	-15	5	-9
650	100	130	-12	4	4
650	120	150	-7	5	10
650	140	170	-11	-2	5
650	160	190	-12	-3	-4
650	180	210	-16	-5	0
650	200	230	-12	-4	-1

650	220	250	-12	-2	-24
650	240	270	-16	-7	-26
650	260	290	-7	-3	-1
650	280	310	3	1	6
650	300	330	0	0	-9
650	320	350	-3	0	-21
650	340	370	0	2	-22
650	360	390	6	3	-13
650	380	410	12	3	-3
650	400	430	16	4	2
650	420	450	15	2	5
650	440	470	16	2	13
650	460	490	13	2	23
650	480	510	13	1	13
650	500	530	3	-1	-6
650	520	550	0	1	-13
650	540	570	3	4	-15
650	560	590	6	4	-9
650	580	610	10	5	5
650	600	630	14	6	4
650	620	650	11	3	-13
650	640	670	8	-3	-30
650	660	690	13	-5	-33
650	680	710	19	-1	5
650	700	730	32	2	48
650	720	750	33	1	36
650	740	770	13	-3	4
650	760	790	4	-5	
650	780	810	6	-3	
650	800	830	7	-3	

APPENDIX III
COST STATEMENT

STATEMENT OF QUALIFICATIONS

I John A. McClintock, do hereby certify:

- 1) That I am a consulting geologist with offices at 32841 Ashley Way, Abbotsford, B.C.
- 2) That I am a graduate of the University of British Columbia, B.Sc. Geology 1973, and have practiced my profession with various mining and/or exploration companies and as an independent geological consultant since graduation.
- 3) That I am a Professional Engineer registered with Association of Professional Engineers in the Province of British Columbia.
- 4) That I am author of this report that is based on geological mapping, geochemical sampling, and geophysical surveying conducted on the Bonaparte property during the period August 24th, 1987 to November 24, 1987.

Dated at Vancouver, British Columbia
this ____ day of _____, 1988

signature on file

John A. McClintock, B.Sc., P.Eng.

COST STATEMENT
BNW
APRIL 1 TO DECEMBER 31, 1987

Fees	3,092.00
Temporary Staff	26,814.50
Air fares - scheduled	911.02
Rental vehicles - casual	3,202.74
Fuels & lubricants - vehicles	1,082.10
Charter helicopter	276.00
Taxis, parking, fares	253.05
Meal, accommodation	12.55
Freight	244.39
Term charter aircraft	50.00
M.O. equipment charges - field	1,492.00
Equipment rentals	1,807.32
Groceries, kitchen supplies	655.40
Food, accommodation - in field	4,325.79
General supplies	683.06
Analyses	11,135.07
Claim-record & renew fees	351.67
Telephone/telex/telegrams	182.16
Courier/postage/air express	265.44
Drafting	591.25
Reprographics in-house	37.92
Reprographics	144.16
Photocopies in-house	78.36
Maps/reports/pub. purchsd.	35.56
Computer services	30.00
Rept. prep./word processing	258.75
Entertainment	37.79
Disbursement O/R	2,627.66
	<hr/>
	60,677.71
	<hr/> <hr/>

COST STATEMENT
BNW
APRIL 1 TO DECEMBER 31, 1987

FEES

<u>NAME</u>	<u>HOURS</u>	<u>RATE</u>	<u>TOTAL</u>
A.W. Gourlay	25.50	64.00	\$ 1,632.00
R.V. Longe	18.00	80.00	1,440.00
G.R. Peatfield	0.25	80.00	20.00
			<u>\$ 3,092.00</u>

TEMPORARY STAFF

<u>NAME</u>	<u>DY/HR</u>	<u>RATE</u>	<u>TOTAL</u>
L. Allen	4.0 days	185.00	\$ 740.00
K. Bilquist	4.0 days	135.00	540.00
R. Bilquist	4.0 days	185.00	740.00
M. Kilby	7.0 days	185.00	1,295.00
A. Lankester	15.0 days	120.00	1,800.00
M. Lefevbre	19.5 days	135.00	2,632.50
J. McClintock	14.0 days	485.00	6,790.00
	12.0 hours	80.00	960.00
B. McGuigan	6.0 days	135.00	810.00
W. McLean	1.0 hour	16.00	16.00
K. Miller	13.5 days	185.00	2,497.50
D. O'Brien	16.0 days	135.00	2,160.00
J. Parker	5.5 days	135.00	742.50
J. Porter	9.0 days	135.00	1,215.00
C. Russell	15.0 hours	24.00	360.00
	34.0 hours	32.00	1,088.00
C. Stanford	4.0 days	435.00	1,740.00
K. Stobbart	2.0 hours	24.00	48.00
G. Vernon	2.0 days	135.00	270.00
Z. Zuk	2.0 days	185.00	370.00
			<u>\$ 26,814.50</u>

APPENDIX IV
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I John A. McClintock, do hereby certify:

- 1) That I am a consulting geologist with offices at 32841 Ashley Way, Abbotsford, B.C.
- 2) That I am a graduate of the University of British Columbia, B.Sc. Geology 1973, and have practiced my profession with various mining and/or exploration companies and as an independent geological consultant since graduation.
- 3) That I am a Professional Engineer registered with Association of Professional Engineers in the Province of British Columbia.
- 4) That I am author of this report that is based on geological mapping, geochemical sampling, and geophysical surveying conducted on the Bonaparte property during the period August 24th, 1987 to November 24, 1987.

Dated at Vancouver, British Columbia
this ____ day of _____, 1988

signature on file

John A. McClintock, B.Sc., P.Eng.

APPENDIX V
STATEMENTS OF EXPLORATION AND DEVELOPMENT



NOV 13 1987

MINERAL ACT

STATEMENT OF EXPLORATION AND DEVELOPMENT

Charles M. Russell

MineQuest Exploration Associates Ltd.

500-164 Water Street

500-164 Water Street

Vancouver, B.C.

Vancouver, B.C.

V6B 1B5 (604) 669-2251

V6B 1B5 (604) 669-2251

(Postal Code) (Telephone Number)

(Postal Code) (Telephone Number)

Valid subsisting F.M.C. No. 298028

Valid subsisting F.M.C. No. 296272

STATE THAT

1. I have done, or caused to be done, work on the Bob 231, Bob 232, Bob 233, Bob 234

Claim(s)

Record No.(s) 6919, 6920, 6921, 6922

Situate at 30km North of Kamloops in the Kamloops Mining Division,

to the value of at least \$ 6,989 4,700 cont. dollars. Work was done from the 1st day of January 19 87 to the 13th day of November 19 87

2. The following work was done in the 12 months in which such work is required to be done:

(COMPLETE APPROPRIATE SECTION(S) A, B, C, D, FOLLOWING)

A. PHYSICAL

(Trenches, open cuts, adits, pits, shafts, reclamation, and construction of roads and trails)

(Give details as required by section 13 of regulations.)

COST

TOTAL PHYSICAL

I wish to apply \$ of physical work to the claims listed below.

(State number of years to be applied to each claim, its month of record, and identify each claim by name and record no.)

B. PROSPECTING

(Details in report submitted as per section 9 of regulations.)
(The itemized cost statement must be part of the report.)

COST

I wish to apply \$ of this prospecting work to the claims listed below.

(State number of years to be applied to each claim, its month of record, and identify each claim by name and record no.)

(For C and D sections, please turn over.)

C. DRILLING

(Details in report submitted as per section B of regulations.)
(The itemized cost statement must be part of the report.)

COST

D. GEOLOGICAL, GEOPHYSICAL, GEOCHEMICAL

(Details in report submitted as per section B, 6, or 7 of regulations.)
(The itemized cost statement must be part of the report.)
(State type of work in space below.)

Airborne Geophysical Survey *

\$ 13,524 9200 *cost.*

* Report submitted 11 July 1987.

\$ 13,524 9200 *cost.*

TOTAL OF C AND D

Was the Operator (provided the financing)?

Name Inter-Pacific Resource Corp.

Address 500-164 Water Street

Vancouver, B.C., V6B 1B5

Portable Assessment Credits (PAC) Withdrawal Request

Amount to be withdrawn from owner(s) or operator(s) account(s):

AMOUNT

Name of Owner

(May be no more than 30 per cent of value of the approved work submitted as assessment work in C and (or) D.)

1.
2.
3.
4.

TOTAL WITHDRAWAL

0

TOTAL OF C AND (OR) D PLUS PAC WITHDRAWAL

\$ 13,524 9200 *cost.*

I wish to apply \$ 9,200 of this work to the claims listed below.

(State number of years to be applied to each claim, its month of record, and identify each claim by name and record no.)

Claim	Record #	Month Due	Units	Work Applied*	Excess Work*	Years Earned
✓ Stob 1	6880	December	15	<i>Cost 2,285 1500</i>	705	1 *WORK DONE ON ALL CLAIMS
✓ Stob 2	6881	December	12	<i>Cost 1,764 1200</i>	564	1
✓ Stob 3	6882	December	16	<i>Cost 2,352 1600</i>	752	1
✓ Stob 4	6883	December	20	<i>Cost 2,940 2000</i>	940	1
✓ Bob 151	6878	December	20	<i>Cost 2,940 2000</i>	940	1
✓ Bob 152	6879	December	09	<i>Cost 1,323 900</i>	423	1

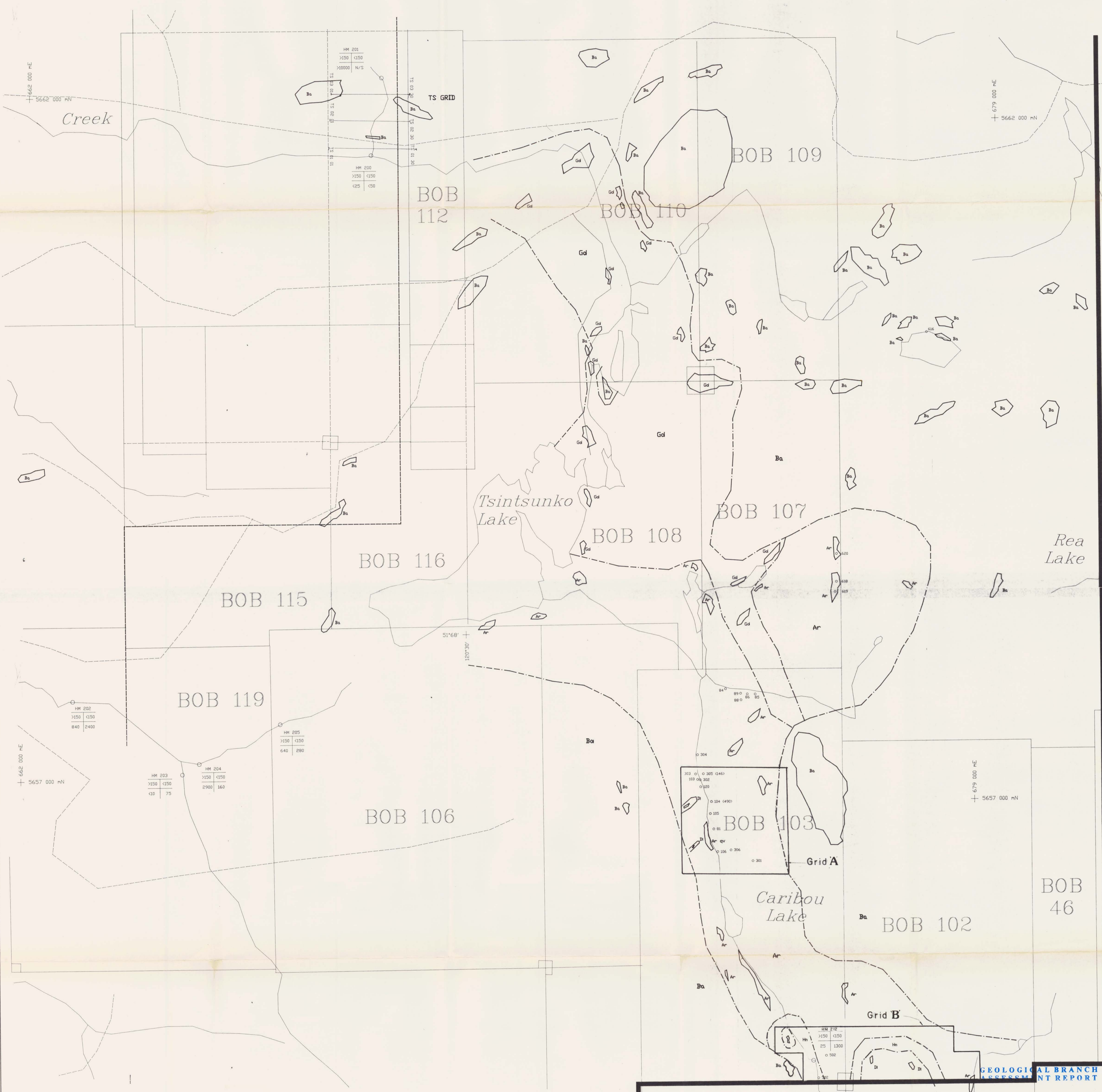
Value of work to be credited to portable assessment credit (PAC) account(s).

(May only be credited from the approved value of C and (or) D not applied to claims.)

Name	AMOUNT
In owner(s) name.	1.
	2.
	3.
In operator(s) name (party providing the financing).	1. Inter-Pacific Resource Corp. <i>\$ 4,324 Cost.</i>
	2.
	3.

Charles Russell

(Signature of Applicant)



LEGEND

- Ba - Basalt
- Gd - Granodiorite
- Di - Diorite
- Hn - Hornfels
- Ar - Phyllitic Argillite

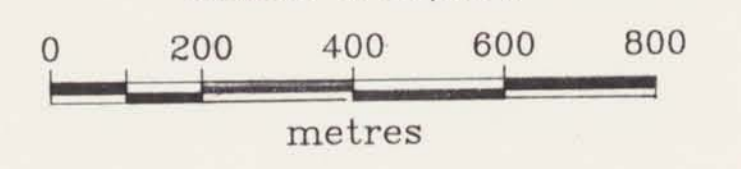
HM 203 Heavy Mineral Sample
 >150 <150 - Gold in ppb +150 and -150 fraction
 <10 75

- Geologic contact
- ◡ Outcrop

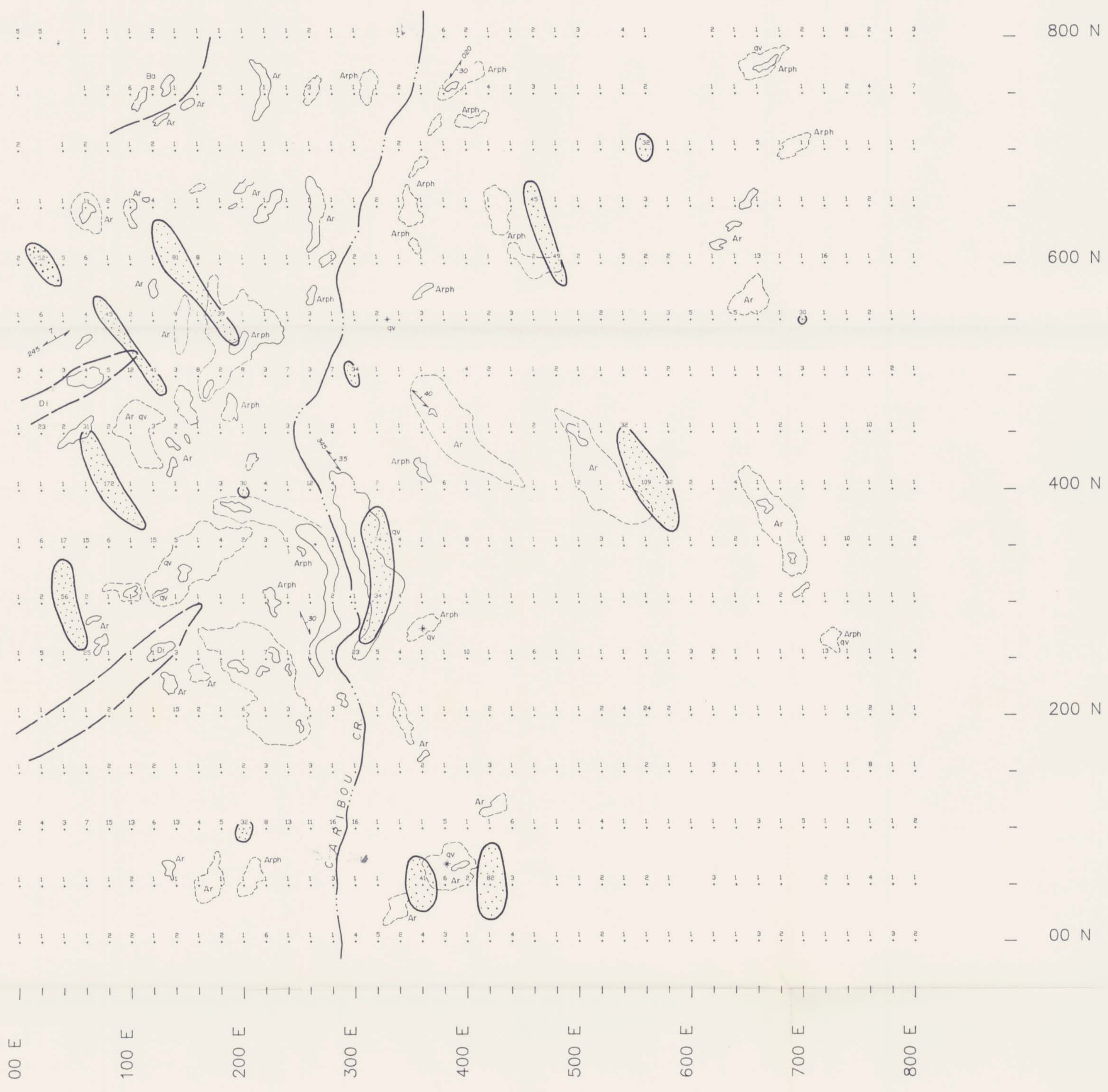
○ 500 Rock Sample Location and Sample Number
 (138) - all sample numbers prefixed by BP 87
 - gold (ppb) where >100ppb

GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,086
PART 1 OF 3
Scale 1:10,000



INTER-PACIFIC RESOURCE CORP.					
BONAPARTE - WEST					
CARIBOU LAKE AREA					
GEOLOGY and GEOCHEMISTRY					
Originator	Drawn	Date	PLAN No.	FIGURE	
Original	JAM	Geo-Comp	Jan '88	1182	4
Revision				N.T.S.	
Revision				921/P	
MINEQUEST EXPLORATION ASSOCIATES LTD.					



LEGEND

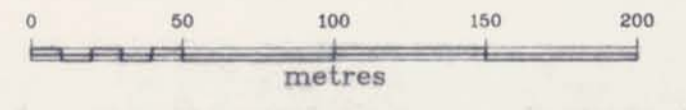
- Ba — Basalt
- Di — Diorite porphyry
- Ar — Argillite, minor siltstone
- Arph — Phyllitic argillite
- + qv — Quartz float
- foliation / cleavage, strike and dip
- Geological contact
- Outcrop
- Sub-outcrop, rubble
- Anomalous ≥ 30 ppb

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

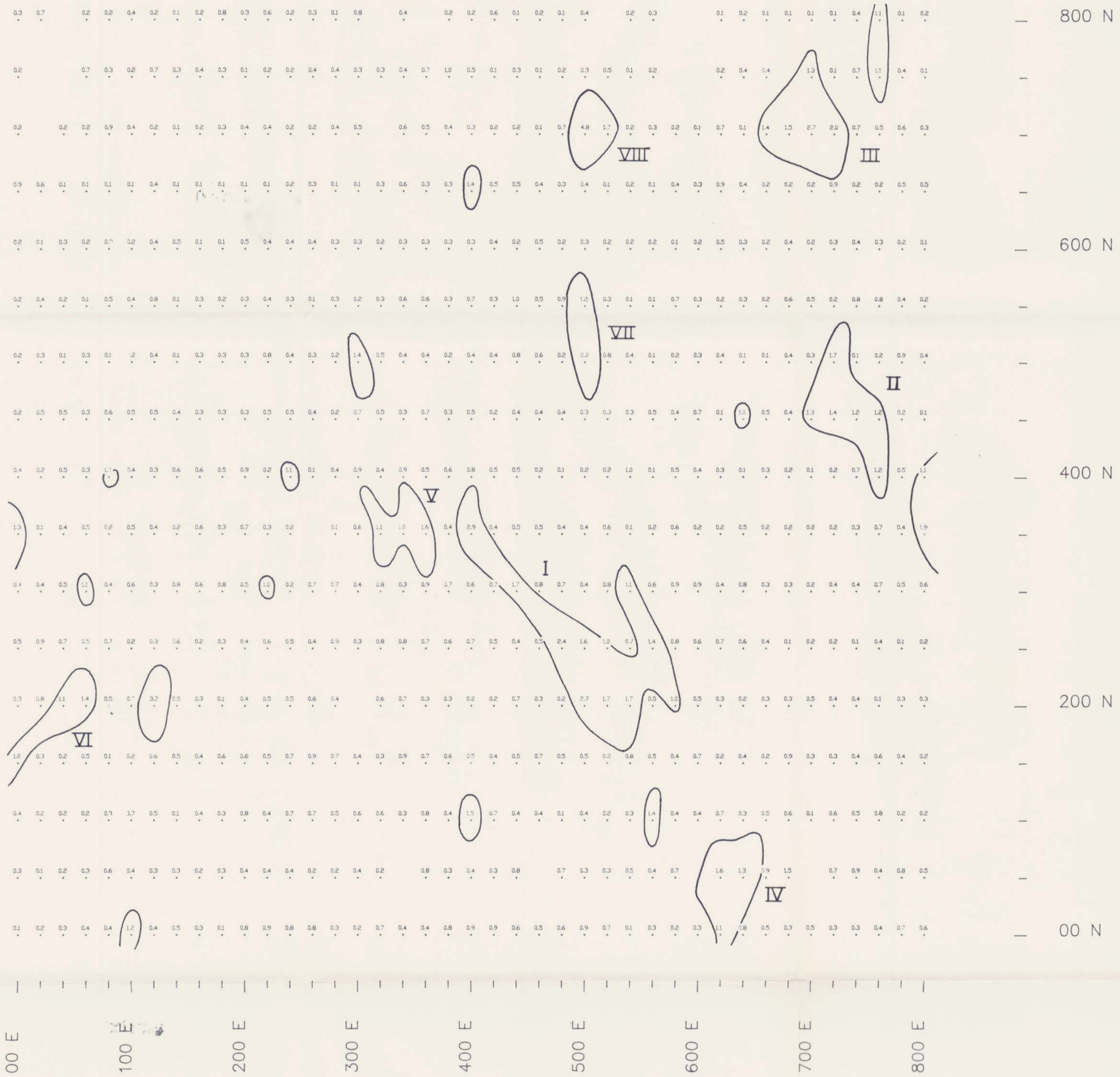
17,086

PART 1 OF 3

SCALE 1:2500



INTER-PACIFIC RESOURCE CORP. AND GALLANT GOLD MINES LTD.				
BONAPARTE WEST — GRID A				
GEOLOGY and SOIL GEOCHEMISTRY GOLD				
	Originator	Drawn	Date	PLAN No.
Original		Geo-Comp	OCT '87	1183
Revision				N.T.S.
Revision				921/P
				FIGURE 5
MINEQUEST EXPLORATION ASSOCIATES LTD.				

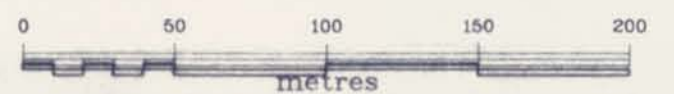


Silver contoured at 1.0 ppm

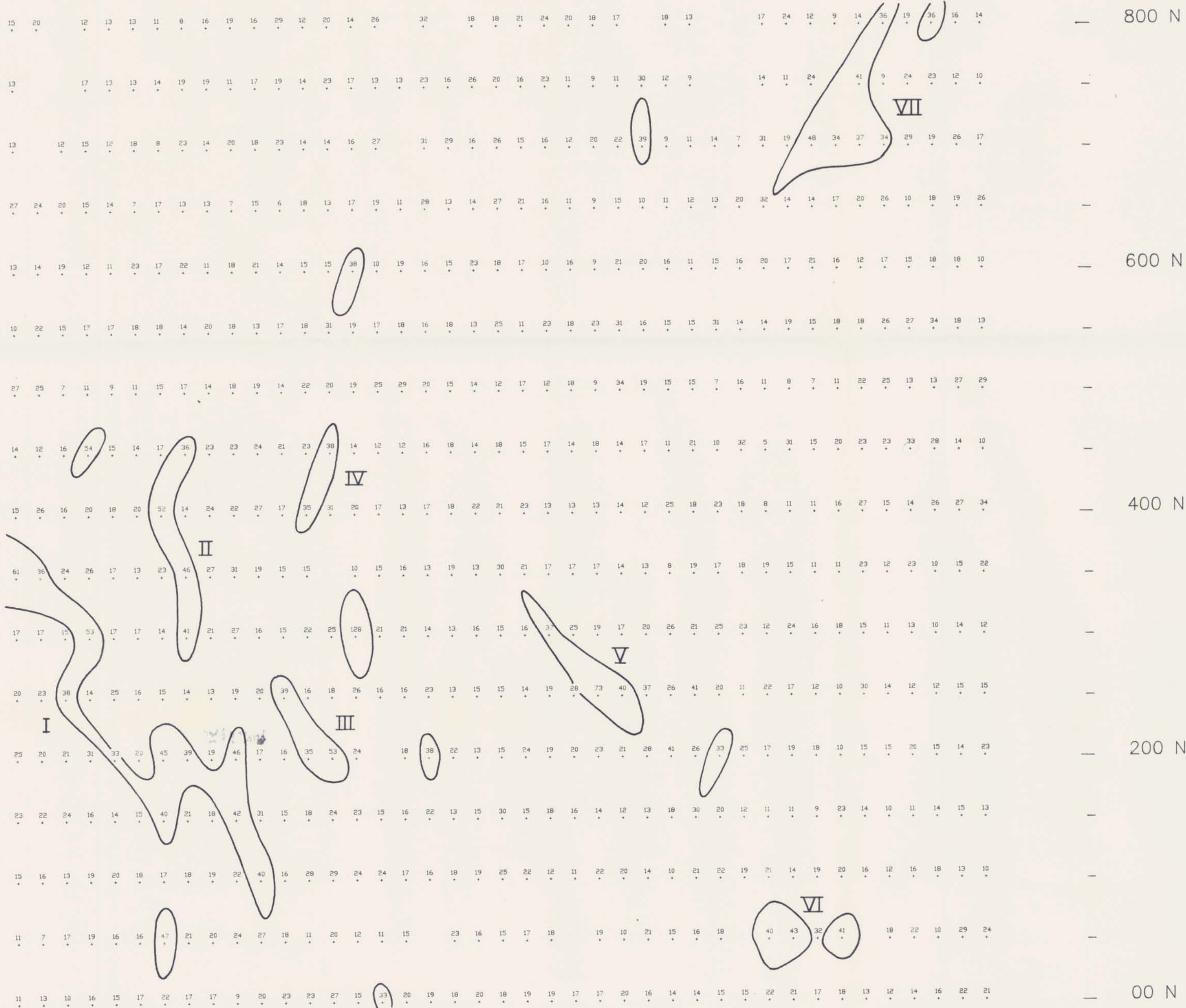
GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,086
PART 1 OF 3

SCALE 1:2500



INTER-PACIFIC RESOURCE CORP. AND GALLANT GOLD MINES LTD.				
BONAPARTE WEST - GRID A				
SOIL GEOCHEMISTRY SILVER				
	Originator	Drawn	Date	PLAN No.
Original		Geo-Comp	OCT '87	1184
Revision				N.T.S.
Revision				921/P
				FIGURE
				6
MINEQUEST EXPLORATION ASSOCIATES LTD.				

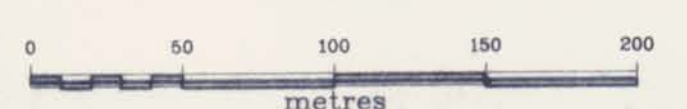


GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,086

PART 1 OF 3

SCALE 1:2500



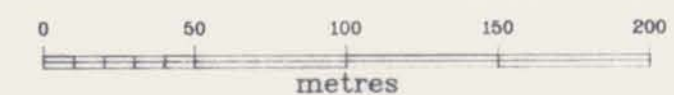
 Anomalous ≥ 33 ppm Cu

INTER-PACIFIC RESOURCE CORP. AND GALLANT GOLD MINES LTD.					
BONAPARTE WEST - GRID A					
SOIL GEOCHEMISTRY COPPER					
	Originator	Drawn	Date	PLAN No.	FIGURE
Original		Geo-Comp	OCT '87	1185	7
Revision				N.T.S.	
Revision				921/P	
MINEQUEST EXPLORATION ASSOCIATES LTD.					



GEOLOGICAL BRANCH
ASSESSMENT REPORT

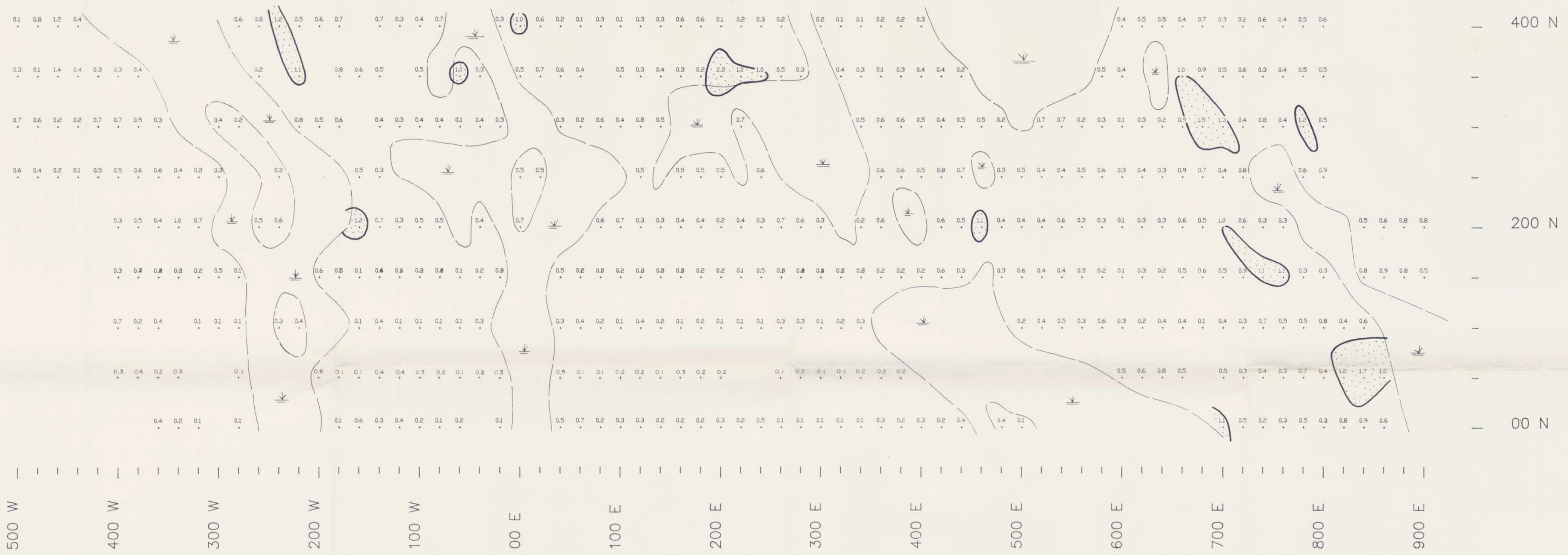
17,086
PART 10F3
SCALE 1:2500



 Swamp or marsh

 Anomalous Gold ≥ 30 ppb

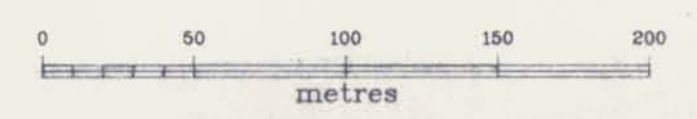
INTER-PACIFIC RESOURCE CORP. AND GALLANT GOLD MINES LTD.					
BONAPARTE WEST - GRID B					
SOIL GEOCHEMISTRY GOLD					
	Originator	Drawn	Date	PLAN No.	FIGURE
Original		Geo-Comp	OCT. '87	1186	8
Revision				N.T.S.	
Revision				921/P	
MINEQUEST EXPLORATION ASSOCIATES LTD.					





GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,086
PART 1 OF 3

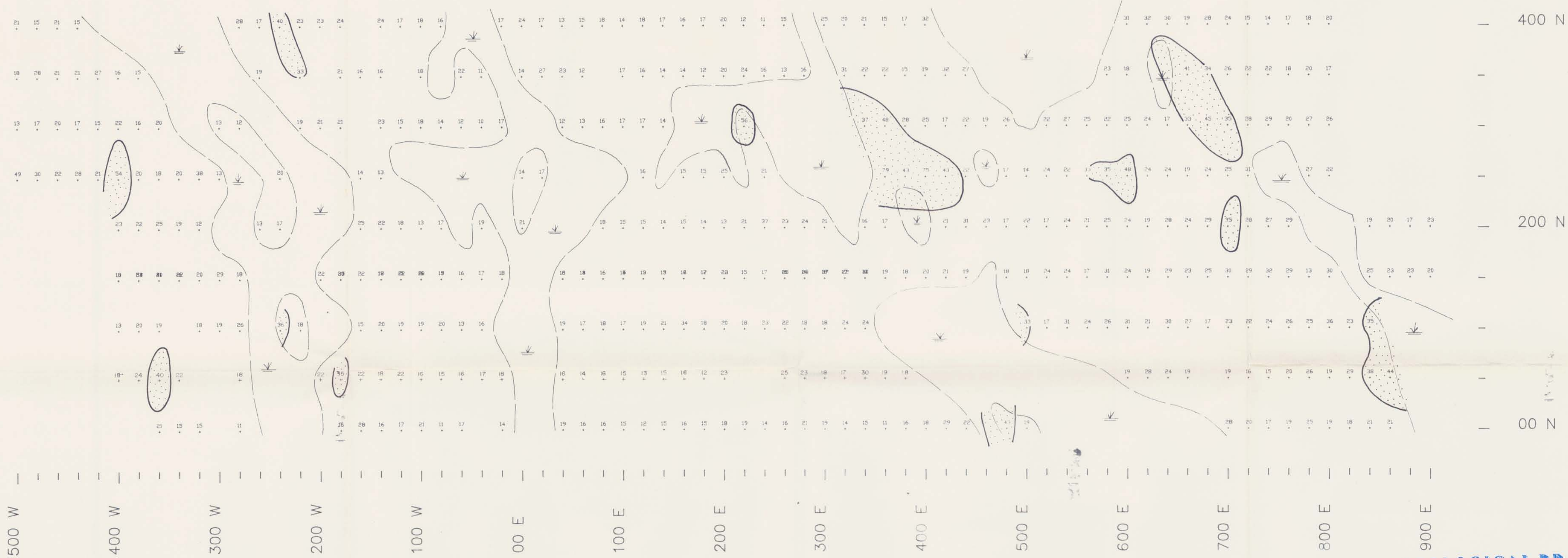
SCALE 1:2500



-  Swamp or marsh
-  Anomalous Silver ≥ 1.0 ppm

INTER-PACIFIC RESOURCE CORP. AND GALLANT GOLD MINES LTD.				
BONAPARTE WEST - GRID B				
SOIL GEOCHEMISTRY SILVER				
	Originator	Drawn	Date	PLAN No.
Original		Geo-Comp	OCT '87	1187
Revision				N.T.S.
Revision				921/P
MINEQUEST EXPLORATION ASSOCIATES LTD.				

9





GEOLOGICAL BRANCH
ASSESSMENT REPORT

17,086

PART 10F3

SCALE 1:2500



-  Swamp or marsh
-  Anomalous Copper ≥ 33 ppm

INTER-PACIFIC RESOURCE CORP. AND GALLANT GOLD MINES LTD.				
BONAPARTE, WEST -- GRID B				
SOIL GEOCHEMISTRY COPPER				
	Originator	Drawn	Date	PLAN No.
Original		Geo-Comp	OCT. '87	1188
Revision				N.T.S.
Revision				921/P
10				
MINEQUEST EXPLORATION ASSOCIATES LTD.				