

PROPERTY FILE

94E049-07

1974 Property Report

016837

TITLE FINLAY RIVER PROPERTY (VIP Claims)

AUTHORS C.J. Hodgson & J.L. LeBel

DATE December, 1974

COMMODITY Cu (Mo, Zn)

LOCATION-Area East Stikine
-Mining Division Omineca
-Coordinates Latitude 57°10'N Longitude 126°52'W
-NTS 94 E/2W

AMAX VANCOUVER OFFICE

TABLE OF CONTENTS

SUMMARY----- 1
CONCLUSIONS AND RECOMMENDATIONS----- 2

INTRODUCTION
 General Statement----- 3
 Location and Access----- 4
 Claims----- 4

REGIONAL GEOLOGY----- 5

PROPERTY GEOLOGY----- 5

GEOCHEMISTRY----- 9

MAGNETOMETER SURVEY
 Introduction----- 11
 Instrument and Procedure----- 11
 Results and Discussion----- 12

APPENDICES

APPENDIX I - Geochemical Data
 II - Assay Data
 III - Statement of Costs

ILLUSTRATIONS

Figure 1 - Location Map -----After Page 4
 2 - Claim Map -----(1:32,640)-----After Page 4
 3 - Geology Map -----(1"=400')-----In Pocket
 4 - Magnetometer Survey -----(1"=400')-----In Pocket
 5 - Geochemical Soil Survey - (1"=400')-----In Pocket

SUMMARY

The Finlay River Property consists of 12 VIP claims located 8 miles north of Thutade Lake and 1 mile west of Finlay River in the East Stikine area of northeastern British Columbia. The claims were staked on behalf of Amax Exploration, Inc. in 1973 during the course of regional geochemical exploration in the area.

This report describes the results of 1974 work on the property which consisted of a reconnaissance evaluation between July 26 and 30, followed by geological, magnetometer and soil geochemical surveys on a 14 line mile flagged grid between September 12 and 21, 1974.

The claims are underlain by a medium grained granodiorite stock or batholith of unknown extent, within which are several meta-siltstone and marble roof pendants. Several minor chalcopyrite and sphalerite showings occur on the claims. Most are skarn type occurrences adjacent to marble lenses in the roof pendants, although two shear and gash vein showings were noted.

The magnetometer survey was effective in outlining the extent of major rock units: meta-sedimentary roof pendants characterized by low susceptibilities, granodiorite by uniform intermediate susceptibilities, and skarn areas characterized by prominent susceptibility highs within the low susceptibility meta-sediments. Four areas of skarn were indicated, the largest measuring about 1200 by 100 feet on claim VIP 11 in an area of poor outcrop. The three other anomalies are essentially single point anomalies in areas of moderately abundant outcrop and are largely explained by known showings.

Soils were sampled every 200 feet on picket lines and analyzed for Cu, Mo, Ag, Pb, Zn. Analytical results indicate an enhancement of copper, silver and zinc in soils overlying meta-sediments and an enhancement in molybdenum in soils overlying

granodiorite, particularly in the southwestern portion of the grid area. Lead shows only minor variation in abundance and tends to follow zinc.

CONCLUSIONS AND RECOMMENDATIONS

Minor chalcopyrite, sphalerite and molybdenite are associated with very local skarns in three areas on the property.

Geochemical and magnetometer surveys were effective in defining the extent of known surface mineralization on the property, but provided no significant anomalies outside these areas.

No further work on the claims is recommended.

INTRODUCTION

General Statement

This report presents the results of the work conducted on the VIP claims during July 26 to 30, 1974 and during September 12 to 21, 1974.

The VIP claims were staked on behalf of Amax Exploration, Inc. in 1973 during the course of regional exploration in the East Stikine area of northeastern British Columbia, to cover a large multi-element geochemical anomaly between Drybrough Peak and Finlay River (see 1974 Project Report by D. Allen, Project 495). cursory prospecting on the claims in 1973 failed to reveal the source of the anomaly.

In July 1974 a reconnaissance evaluation of the claims was made by Hodgson, assisted by M. Adelaar, summer assistant. A number of small, widely distributed, copper and zinc showings were found which were thought to adequately explain the regional anomalies. However, on the basis of unexpectedly high copper content of some of the soil samples and moderate silver content of some of the assay samples (up to 3 oz/ton) the reconnaissance geology was filed as assessment on the key claims and a more detailed examination was undertaken in September by Hodgson, LeBel and J. Mortensen, temporary assistant. Detailed work in September consisted of a flagged, compassed and chained grid, utilizing the lower and upper claim lines as baseline and tieline respectively, and with flagged lines 400 feet apart trending 315° and 135° on either side of the baseline. Claims covered in this manner were VIP 3, 5, 7, 9, 11, 13, and 27-38 inclusive.

Two types of deposits were considered possible targets: a high grade gold-silver vein-type deposit similar to the Chappelle deposit 12 miles to the northwest, and a small, high grade, skarn-type Cu-Zn deposit.

Location and Access

The property is located approximately eight miles north of Thutade Lake between the Finlay River and Drybrough Peak at latitude 57°10'N and longitude 126°52'W at elevations ranging from 3800 to 5000 feet. Access is by fixed-wing bush plane from bases at Smithers or Prince George to a strip at Black Lake approximately eight miles northwest of the property, then by helicopter from Black Lake.

Claims

Forty VIP claims (VIP 1-40, Record Numbers 127694-127733 respectively) were recorded on August 22, 1973 on behalf of Amax Exploration, Inc. The claims are located in the Omineca Mining Division.

The cost of a reconnaissance geological examination in July 1974 was applied as one year's assessment on the 12 following claims: VIP 5, 7, 9, 11, 29, 30-34, 36, and 38. These claims will expire on August 22, 1975.

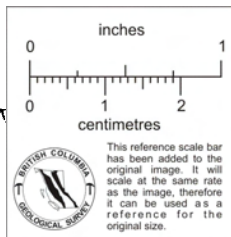


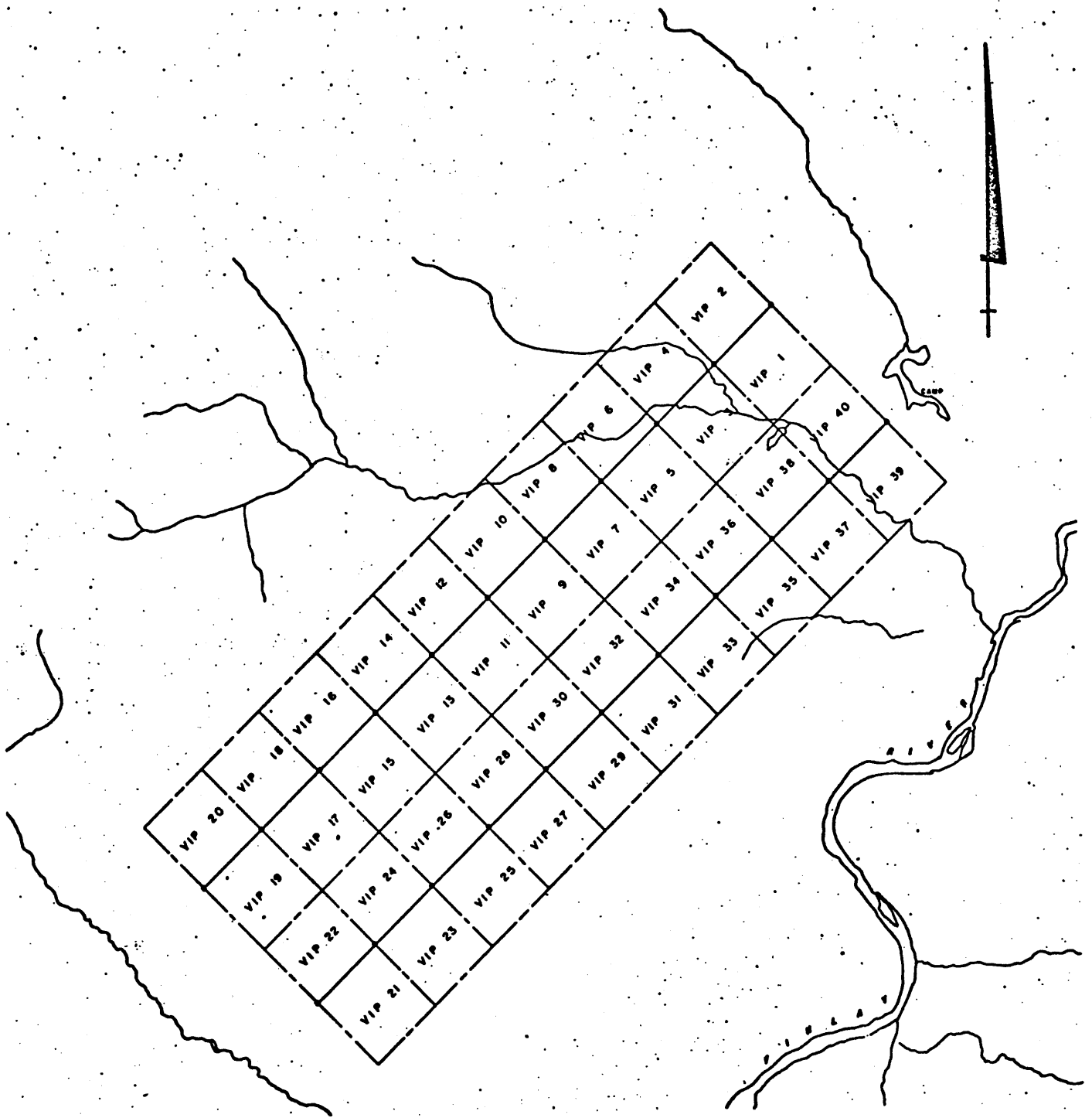
AMAX EXPLORATION, INC.
 FINLAY RIVER PROPERTY

Omineca M.D. - B. C.

LOCATION

Scale 1:250,000

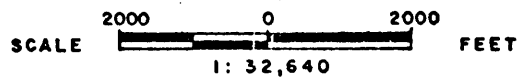
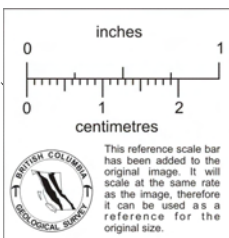




AMAX EXPLORATION, INC.

FINLAY RIVER PROPERTY
 Omineca M.D. - B.C.

CLAIM MAP



REGIONAL GEOLOGY

The only information available on regional geology is provided in a map and an accompanying brief report by Carter (B.C. Department of Mines Annual Report, 1973 page 63 and 64). According to Carter's map the VIP claims lie near the western margin of a northwesterly trending belt of Takla rocks about 20 miles wide. The Takla belt is bordered on the east by Cambrian and earlier metamorphic and sedimentary rocks, and is overlain to the west by flat lying Upper Cretaceous to Early Tertiary Sustut Group conglomerates and sandstone. The Takla belt is intruded by a number of Omineca granodiorite stocks, and is overlain in part by Jurassic and younger Toadogone dacite and latite porphyries.

The nearest indicated intrusion to the VIP claims is a four square mile stock in the Drybrough Peak area northwest of the claims. This is undoubtedly an extension of the intrusion underlying the property, which, judging from its coarse grained texture, may be of considerable extent, perhaps connecting with a similar intrusion in the Black Lake area.

Roof pendants on the property are highly recrystallized and are either Upper Triassic (Takla) or Paleozoic in age.

PROPERTY GEOLOGY

Outcrop is reasonably abundant throughout most of the property and consists of three main rock types: meta-siltstone, coarse grained marble and granodiorite-quartz monzonite. The meta-sediments occur in three fault-segmented lenses (roof pendants?) traceable along strike in a northeasterly direction for a distance of at least two miles. The lenses range between 400 and 1500 feet wide and each consists of a central keel of marble surrounded by fine grained, micaceous meta-siltstone. Chloritic meta-andesite forms a 200-foot wide lens in meta-siltstone which crosses the baseline 12E. Minor quartzite occurs at 60E, 30N and 68E, 7N.

Bedding attitudes are generally northeast with moderate to steep northwesterly dips.

Uniform, homogeneous, hornblende biotite granodiorite and/or quartz monzonite underlies most of the claims. It is for the most part medium to coarse grained with an anhedral interlocking texture, although towards the contacts it is finer grained with subporphyritic plagioclase. Locally brick orange hematite(?) becomes very prominent on joints; this type of alteration becomes pervasive in places, particularly in the vicinity of late monzonite porphyry dykes.

Two monzonite porphyry dykes were noted on the property. These trend northwesterly with vertical dips and range from 50 to 300 feet in width. At the margins they consist of plagioclase phenocrysts in a very fine grained, grey-green matrix, and grade into subporphyritic pink monzonite or syenite in the center of the dykes. These may be feeders to Toodoggone volcanic flows in the vicinity. Rare lamprophyre dykes cut granodiorite on claims VIP 4 and 31.

Mineral showings on the property fall into three categories: skarn within or adjacent to marble lenses, shear veins and gash veins. These are enumerated below (refer to Figure 3 for locations).

1. Skarns in the vicinity of 20E 0-5N: a number of minor sphalerite and chalcopyrite skarns within and adjacent to marble. H 134 dark green boulder on the baseline with actinolite, chlorite, garnet and minor chalcopyrite and magnetite. Assay No. 52034. H 135 disseminated sphalerite, specularite and pyrite over ten square feet in marble. Assay No. 52032. H 213 minor disseminated specularite and traces of malachite, chalcopyrite in sericite-chlorite-talc altered limestone conglomerate. No assay sample taken. H 214 coarse grained marble with chlorite specularite

disseminated sphalerite over ten square feet. Assay H 214. H 215 rusty boulder apparently in place with chalcopyrite and sphalerite. No assay sample taken. H 224 five foot-wide garnet skarn band traceable for 15 feet adjacent to marble. The zone contains chalcopyrite, magnetite and specularite over a width of one foot. Assay H 224.

2. Skarns in the vicinity of 56E, 21N.

H 145 a five square foot outcrop of massive garnet skarn with disseminated chalcopyrite and pyrite (estimated 0.1% Cu). The garnet skarn continues for another 50 feet down the slope. A rock chip geochem sample 4VAT386 of the best material ran 1550 ppm Cu, 38 ppm Mo, and 2.6 ppm Ag. H 218 diopside garnet skarn with minor disseminated molybdenite. No assay sample taken. H 219 banded magnetite, feldspar skarn peppered with finely disseminated pyrite and chalcopyrite over ten square feet (estimated 0.1% Cu). Assay No. H 219. H 220 boulders of outcrop 20 feet northeast of H 219. Diopside-garnet skarn with finely disseminated chalcopyrite (estimated 0.5% Cu). No assay taken. H 221 boulder (more or less in situ) with massive magnetite and minor malachite. No assay sample taken. H 223 garnet-diopside-epidote bands to 24 inches are numerous in the marble. One at 60E on the tieline carries abundant chalcopyrite over two inch width. No assay sample taken.

3. Skarns at 67E, 7N: traces of malachite are associated with garnet-epidote altered siltstone lenses in marble.

4. A shear vein in granodiorite at 16E, 16S. The vein is up to 25 feet wide, trending southeast and traceable on strike for about 100 feet. At the southeast end of the outcrop malachite occurs over a width of 20-25 feet, but the most intense

chalcopyrite-magnetite mineralization and sericite-chlorite alteration are restricted to a 2 to 4 foot width in the center of the zone. Adjacent malachite is more in the nature of joint coatings. Assay No. 52033 - grabs of best looking mineralization. Assay No. 225 - chip across 15 feet at south end of outcrop.

5. Gash veins in meta-siltstone adjacent to creek on VIP 3 claim. Coarse chalcopyrite-pyrite veins up to one inch wide in chloritized meta-siltstone talus blocks adjacent to the granodiorite contact. Assay No. 52035.

GEOCHEMISTRY

Soil samples were collected at 200 foot intervals on picket lines and at an average depth of about eight inches. Silt samples were collected from all streams crossing picket lines. Altogether, 364 samples were collected and submitted for analysis for Cu, Mo, Ag, Pb, and Zn at Rossbacher Laboratories, Burnaby.

All five elements occur in anomalous amounts on the property and their distribution patterns are instructive. Copper shows a strong affinity for areas underlain by meta-sediments, the largest and strongest copper anomaly being associated with the southern meta-sedimentary lens. These anomalies are interpreted to be derived from cupriferous skarns. The source of the stream sediment anomaly on line 4E on the south side of the baseline is unknown. It may be related to a weaker copper soil anomaly upslope between lines 8E and 12E in poorly exposed areas presumably underlain by granodiorite.

Molybdenum is highest in soils overlying granodiorite most notably at the southwest end of the grid area where a very broad anomaly occurs with up to 42 ppm Mo. This would suggest regional elevated molybdenum background in the granodiorite rather than a specific molybdenite concentration. No molybdenite was noted by me in granodiorite though MacQuarrie (1973 Stikine Report by D. Allen) noted molybdenite in aplite dykes on VIP 3 claim. A singleton high molybdenum silt at 56E, 16N may be related to molybdenum skarn noted at 52E, 23N.

Zinc follows copper in showing a strong preference for soils overlying meta-sediments. The largest anomalies are associated with the southern and northern meta-sedimentary lenses. As with copper, a silt anomaly on line 4E south of the baseline is unexplained and a zinc soil anomaly upslope from the stream covers an area presumably underlain by granodiorite.

Silver follows zinc but is less widely distributed. Lead

is generally pretty flat throughout the grid area. Only rare samples exceed 100 ppm Pb and these are in associated with high Zn.

In summary there are no significant unexplained anomalies, with the possible exception of a copper-zinc-silver stream sediment anomaly on VIP 27. The silt is essentially all granodiorite and overlies water-saturated muskeg. The source of the anomaly may be granodiorite upslope on claim VIP 13 or possibly another meta-sedimentary lens further upslope off the grid area on VIP 14.

MAGNETOMETER SURVEY

Introduction

During the period September 12 to 21, 1974, approximately 14 miles of ground magnetometer survey were completed on the Finlay River Property. Previous work had outlined significant multi-element geochemical anomalies and zones of mineralized skarns. The present survey was conceived to delineate additional zones of magnetite-rich skarn in areas of poor exposure.

Instrument and Procedure

The magnetometer employed was a model G-816 manufactured by Geometrics, 914 Industrial Avenue, Palo Alto, California. The instrument operates on the principle of nuclear magnetic resonance and measures the total intensity of earth's magnetic field.

The survey was conducted along topofil chained and flagged lines spaced at 400 foot intervals. Readings were taken every 100 feet.

Station 40E on the base line was selected as the datum point for the survey. The base line was surveyed in both directions from this point to establish reference stations for the remainder of the survey. The survey was levelled by "looping" between the reference stations and assuming that any differences in the values noted upon reoccupation were due to a combination of daily level changes and diurnal variations in the earth's field.

The sensor was carried in the back pack configuration. In this mode individual readings are accurate to ± 5 gammas. Significant magnetic activity was noted at various times during the survey.

However, traverse times between base stations were of sufficiently short duration that diurnal variations were adequately monitored and subsequently removed from the survey. Consequently, overall accuracy is believed to be better than ± 20 gammas.

Results and Discussion

The isomagnetic contour map (Figure 4) displays three distinct patterns: areas of less than 1000 gammas, extensive regions of 1000 - 2500 gammas, and patches of greater than 2500 gammas. The first pattern dominates the western side of the grid with a broad wedge-shaped distribution and two elongate patterns trending 045° between lines 48E - 64E and 60E - 80E. The second pattern covers the intervening areas of the grid and the third appears locally confined within the areas of less than 1000 gamma amplitude.

In terms of susceptibility these areas reflect changes from low to intermediate to high and correspond to the local lithologies; sedimentary rocks, intrusive rocks, and magnetite-rich skarns, respectively. The correlation between magnetics and geology is, in fact, impressive. Four areas of potential skarn are indicated: 21-24E, 2-3N; 19-31E, 7-13N, 56E, 22N; and 72E, 8N. Of these the first and third coincide with areas of mapped skarn showings, the second anomaly, the largest but generally weak, is in an area of no outcrop and the fourth coincides with an outcrop in which no skarn was noted.

Two major faults can be inferred from the data. One, which is colinear with the southern segment of line 36E, has brought a sedimentary wedge into contact with granodiorite. The other crosses the baseline at 56E with a north-south trend and offsets two areas of magnetic low which are remarkably similar in detail; i.e. high susceptibility core with flanking lows.

C. J. Hodgson

J. L. LeBel

APPENDIX I - GEOCHEMICAL DATA

AMAX EXPLORATION INC. ANALYTICAL REPORT

BURNABY LABORATORY - 2225 SPRINGER AVE. - BURNABY 2, B.C.

DATE Sept. 26, 74
 PROJECT 2056
 REQUESTED BY C. Hodgson

TYPE SAMPLES Soil
 LOCATION 656-E
 DISPOSITION OF REJECTS _____

No.	Sample	pH	Mo ✓	Cu ✓	Ni			As ✓	Zn ✓	Pb ✓		No.
01	4 VLS 1		22	22				.2	160	20		01
02	2		8	12				.2	46	16		02
03	3		20	34				.4	56	20		03
04	4		18	26				.4	68	18		04
05	5		24	96				.6	114	24		05
06	6		22	156				.4	74	24		06
07	7		16	14				.2	64	20		07
08	8		10	284				1.4	316	28		08
09	9		6	54				.2	76	24		09
10	10		6	46				.2	118	20		10
11	11		1	64				.2	96	20		11
12	12		2	60				.2	64	20		12
13	13		2	104				.4	80	20		13
14	14		16	164				1.2	156	22		14
15	15		8	88				1.0	132	16		15
16	16		8	58				.4	104	16		16
17	17		8	100				.6	100	30		17
3	18		26	44				.4	430	26		18
19	19		24	56				.2	410	28		19
20	20		26	284				.8	346	88		20
21	21		34	124				.4	252	30		21
22	22		12	126				.2	76	24		22
23	23		26	28				.2	70	20		23
24	24		20	88				.2	180	26		24
25	25		24	36				.2	200	24		25
26	26		16	50				.2	250	20		26
27	27		20	38				.2	100	24		27
28	28		12	76				4.0	940	52		28
29	29		6	48				.2	62	26		29
30	30		6	284				.6	92	28		30
31	31		14	88				.4	62	24		31
32	32		12	366				.4	182	36		32
33	33		10	68				.2	124	20		33
34	34		8	50				.2	120	22		34
35	35		16	106				.2	64	26		35
36	36		12	68				.2	70	20		36
37	37		8	16				.2	56	16		37
38	38		42	344				.4	94	26		38
9	39		20	230				.4	60	26		39
40	G 21		14	2400				1.2	184	62		40

COMMENT:

DATE SAMPLES RECEIVED _____
 DATE REPORTS MAILED _____
 ANALYST _____

Carl # 4126

(2)

AMAX EXPLORATION INC. ANALYTICAL REPORT

BURNABY LABORATORY - 2225 SPRINGER AVE. - BURNABY 2, B.C.

DATE Sept. 26, 74 TYPE SAMPLES Soil
 SUBJECT _____ LOCATION _____
 REQUESTED BY C. HODGSON DISPOSITION OF REJECTS _____

No.	Sample	pH	Mo	Cu	Ni			Ag	Zn	Pb		No.
01	4 VLS 40		30	42				.4	56	24		01
02	41		16	120				.2	92	32		02
03	42		6	98				.2	76	20		03
04	43		10	250				.4	84	20		04
05	44		18	14				.6	212	40		05
06	45		10	130				.4	500	36		06
07	46		18	24				.2	136	20		07
08	47		6	22				.4	160	32		08
09	48		8	200				.6	720	56		09
10	49		10	30				.2	56	16		10
11	50		12	220			.6	80	16			11
12	51		12	40			.4	52	16			12
13	52		6	42			.4	76	20			13
14	53		6	70			.6	224	20			14
15	54		16	62			.8	660	30			15
16	55		8	148			.6	112	20			16
17	56		2	112			.6	126	24			17
18	57		4	144			.8	400	34			18
19	58		6	68			1.0	80	26			19
20	59		6	74			.6	40	20			20
21	60		38	112			.6	44	16			21
22	61		18	136			.4	132	20			22
23	62		36	28			.2	46	16			23
24	63		6	404			1.6	660	24			24
25	64		24	1680			3.2	1120	212			25
26	65		4	540			.4	116	30			26
27	66		4	360			.2	136	18			27
28	67		4	620			.2	306	40			28
29	68		6	120			.6	1180	38			29
30	69		2	264			.4	1860	280			30
31	70		10	44			.2	96	16			31
32	71		4	128			.2	64	12			32
33	72		6	168			.2	280	26			33
34	73		8	28			.2	156	26			34
35	74		4	96			.2	80	8			35
36	75		4	16			.2	52	16			36
37	76		6	152			.4	116	20			37
38	77		2	16			.4	62	18			38
39	78		12	162			.4	108	30			39
40	G 22		52	252			.6	128	130			40

COMMENT:

DATE SAMPLES RECEIVED _____
 DATE REPORTS MAILED _____
 ANALYST _____

AMAX EXPLORATION INC. ANALYTICAL REPORT

BURNABY LABORATORY - 2225 SPRINGER AVE. - BURNABY 2, B.C.

DATE Sept. 26, 74 TYPE SAMPLES Soil
 PROJECT _____ LOCATION _____
 REQUESTED BY C Hodgson DISPOSITION OF REJECTS _____

No.	Sample	pH	Mo ✓	Cu ✓	Ni				Ag	Zn	Pb		No.
01	4VLS 79		8	248					.2	184	38		01
02	80		12	80					.2	56	20		02
03	81		12	30					.2	50	20		03
04	82		8	324					.2	120	24		04
05	83		10	28					.2	24	6		05
06	84		6	354					.6	70	26		06
07	85		8	120					.2	76	22		07
08	86		10	34					.2	44	18		08
09	87		12	30					.2	42	16		09
10	88		8	24					.2	64	16		10
11	89		6	246					.4	108	22		11
12	90		6	70					.2	50	16		12
13	91		8	24					.2	66	20		13
14	92		10	116					.4	76	20		14
15	93		12	192					.4	264	24		15
16	94		10	480					.2	206	26		16
17	95		12	154					.4	114	30		17
18	96		8	32					.2	60	20		18
19	97		6	60					.2	84	36		19
20	98		6	116					.2	110	20		20
21	99		10	520					.6	112	44		21
22	100		6	34					.2	70	20		22
23	101		4	98					.2	64	20		23
24	102		6	70					.2	76	18		24
25	103		6	46					.2	68	20		25
26	104		2	324					.4	60	30		26
27	105		8	328					.2	88	30		27
28	106		4	20					.2	60	20		28
29	107		4	26					.2	70	20		29
30	108		8	114					.2	50	20		30
31	109		6	40					.2	72	20		31
32	110		4	46					.2	100	20		32
33	111		16	14					.2	40	16		33
34	112		10	24	160				.2	80	24		34
35	113		6	24					.2	104	26		35
36	114		16	88					.2	96	30		36
37	115		10	52					.2	76	20		37
38	116		14	184					1.0	68	24		38
39	117		10	328					.2	26	20		39
40	G 26		6	28					.2	38	26		40

COMMENT: _____

DATE SAMPLES RECEIVED _____
 DATE REPORTS MAILED _____
 ANALYST _____

Cont. #4126

4

AMAX EXPLORATION INC. ANALYTICAL REPORT

BURNABY LABORATORY - 2225 SPRINGER AVE. - BURNABY 2, B.C.

DATE Sept 26, 74

TYPE SAMPLES Soils

ECT _____

LOCATION _____

REQUESTED BY C. HODGSON

DISPOSITION OF REJECTS _____

No.	Sample	pH	Mo ✓	Cu ✓	Ni			Ag ✓	Zn ✓	Pb ✓		No.
01	4VLS 118		6	124				.2	96	20		01
02	119		8	38				.2	58	20		02
03	120		6	36				.2	80	26		03
04	121		12	16				.2	82	20		04
05	122		16	100				.4	96	112		05
06	123		6	48				.2	94	20		06
07	124		8	72				.2	82	26		07
08	125		8	38				.2	110	20		08
09	126		6	16				.2	38	16		09
10	127		8	12				.2	66	20		10
11	128		14	16				.2	104	36		11
12	129		8	12				.2	108	32		12
13	130		16	24				.2	96	26		13
14	131		8	6				.2	42	20		14
15	132		6	28				.2	56	24		15
16	133		4	28				.2	40	16		16
	134		4	64				.2	84	34		17
18	135		4	22				.6	106	81		18
19	136		2	46				.2	82	16		19
20	137		6	86				.2	76	16		20
21	138		12	92				.2	96	20		21
22	139		10	164				.2	80	36		22
23	140		6	32				.2	64	20		23
24	141		6	18				.2	40	16		24
25	142		6	28				.2	52	16		25
26	143		16	170				.8	256	52		26
27	144		6	178				.6	76	28		27
28	145		4	24				.4	88	16		28
29	146		6	16				.4	32	12		29
30	147		4	56				.2	66	16		30
31	148		12	96				.2	86	36		31
32	149		12	12				.2	80	24		32
33	150		10	228				.4	80	22		33
34	151		20	130				.8	292	50		34
35	152		4	16				.2	56	20		35
36	153		6	34				.2	92	40		36
37	154		22	154				.2	560	24		37
	155		6	36				.2	144	20		38
	156		4	62				.4	160	26		39
40	G 27		26	240				1.2	720	7400		40

COMMENT:

DATE SAMPLES RECEIVED _____

DATE REPORTS MAILED _____

ANALYST _____

Carl #4126

(5)

AMAX EXPLORATION INC. ANALYTICAL REPORT

BURNABY LABORATORY - 2225 SPRINGER AVE. - BURNABY 2, B.C.

DATE Sept. 26, 74 TYPE SAMPLES SOILS

PROJECT _____ LOCATION _____

REQUESTED BY C HODGSON DISPOSITION OF REJECTS _____

No.	Sample	pH	Mo	Cu	Ni	Ag	Zn	Pb	No.
01	4VLS 157		4	32		.2	84	20	01
02	158		6	340		1.0	84	36	02
03	159		6	80		.2	98	24	03
04	160		6	26		.2	60	16	04
05	161		6	120		.2	100	28	05
06	162		2	4		.2	34	4	06
07	163		4	32		.2	148	20	07
08	164		2	30		.2	62	16	08
09	L 165		6	620		.4	160	24	09
10	S 166		4	34		.4	88	20	10
11	167		6	32		.2	76	12	11
12	168		8	36		.2	72	26	12
13	169		6	20		.2	40	14	13
14	170		26	14		.2	106	24	14
15	171		14	16		.2	120	20	15
16	172		2	32		.6	56	20	16
17	173		10	136		.2	58	26	17
18	174		4	172		.2	50	20	18
19	175		6	164		.2	164	26	19
20	176		12	76		.2	72	24	20
21	177		12	30		.2	56	26	21
22	178		14	16		.2	72	30	22
23	179		8	166		.2	68	20	23
24	180		2	20		.2	70	16	24
25	181		10	26		.2	64	20	25
26	182		26	1400		.4	122	12	26
27	183		4	520		.2	168	34	27
28	184		2	24		.2	64	20	28
29	185		8	48		.2	140	20	29
30	186		4	18		.2	184	50	30
31	187		10	62		.2	128	20	31
32	188		6	156		.6	620	140	32
33	189		10	76		.4	770	30	33
34	190		2	28		.2	96	20	34
35	191		2	100		.4	272	68	35
36	192		6	42		.4	86	20	36
37	193		2	24		.2	72	16	37
38	194		6	52		.2	56	20	38
39	195		8	122		.2	144	20	39
40	R 21		10	960		1.2	184	64	40

COMMENT:

DATE SAMPLES RECEIVED _____

DATE REPORTS MAILED _____

ANALYST _____

AMAX EXPLORATION INC. ANALYTICAL REPORT

BURNABY LABORATORY - 2225 SPRINGER AVE. - BURNABY 2, B.C.

DATE Sept. 26, 1974 TYPE SAMPLES Soils
 PROJECT _____ LOCATION _____
 REQUESTED BY C. Hodgson DISPOSITION OF REJECTS _____

No.	Sample	pH	Mo	Cu	Ni				Ag	Zn	Pb		No.
01	4VLS 196		10	106					.2	106	20		01
02	197		6	1240					.2	158	44		02
03	198		6	20					.2	88	20		03
04	199		6	30					2.4	392	40		04
05	200		4	1600					.4	1100	20		05
06	201		2	112					.4	116	20		06
07	202		10	40					.2	148	24		07
08	203		4	40					.2	140	30		08
09	204		4	40					4	68	20		09
10	205		4	60					.2	74	20		10
11	206		6	140					2.2	350	64		11
12	207		6	20					.4	390	26		12
13	208		6	20					.4	332	60		13
14	209		10	24					.4	158	20		14
15	210		4	20					.2	108	16		15
16	211		12	36					.2	96	20		16
17	212		4	26					.2	114	20		17
	213		2	28					.2	116	20		18
19	214		4	36					.4	124	18		19
20	215		4	20					.2	72	16		20
21	216		2	42					.2	52	12		21
22	217		2	20					.2	82	16		22
23	218		2	28					.2	92	16		23
24	219		2	24					.2	76	16		24
25	220		2	36					.2	108	16		25
26	221		4	18					.2	170	20		26
27	222		6	20					.2	120	20		27
28	223		2	12					.2	68	16		28
29	224		4	28					.4	136	20		29
30	225		12	20					.8	480	42		30
31	226		2	24					.4	144	24		31
32	227		8	228					.4	400	20		32
33	228		4	36					.2	86	20		33
34	229		6	132					.4	294	56		34
35	230		6	88					.6	124	24		35
36	231		4	24					.2	64	16		36
37	232		4	12					.2	84	20		37
38	233		28	64					.2	260	24		38
	234		14	46					.2	102	20		39
40	G 22		52	272					.6	136	120		40

COMMENT:

DATE SAMPLES RECEIVED _____
 DATE REPORTS MAILED _____
 ANALYST _____

AMAX EXPLORATION INC. ANALYTICAL REPORT

BURNABY LABORATORY - 2225 SPRINGER AVE. - BURNABY 2, B.C.

DATE Sept 26, 74 TYPE SAMPLES SOILS
 PROJECT _____ LOCATION _____
 TESTED BY C. HODGSON DISPOSITION OF REJECTS _____

No.	Sample	pH	Mo	Cu	Ni				Ag	Zn	Pb		No.
01	HVLS 235		14	22					.4	60	12		01
02	236		10	32					.4	80	20		02
03	237		14	28					.4	100	26		03
04	238		32	20					.4	156	20		04
05	239		16	124					.6	86	16		05
06	L 240		6	340					1.0	88	16		06
07	241		14	440					1.0	304	32		07
08	242		12	600					1.2	520	58		08
09	S 243		20	1400					4.2	520	52		09
10	L 244		12	680					2.0	800	36		10
11	245		14	384					1.2	680	34		11
12	246		10	400					1.8	460	40		12
13	S 247		28	24					.2	152	26		13
14	248		4	78					.4	76	16		14
15	249		12	72					.2	80	16		15
16	250		48	136					.4	130	26		16
17	251		22	264					.4	96	20		17
	252		22	296					.4	156	22		18
19	253		18	70					1.0	74	20		19
20	254		6	14					1.8	144	30		20
21	255		8	224					.4	116	24		21
22	256		8	400					.4	112	30		22
23	257		6	280					.4	86	20		23
24	258		12	560					.4	154	28		24
25	259		16	1280					2.0	194	42		25
26	260		12	980					.2	990	40		26
27	261		10	152					.2	104	32		27
28	262		4	32					.2	42	14		28
29	263		10	100					.4	430	30		29
30	264		6	24					.4	72	20		30
31	265		10	378					1.0	174	36		31
32	266		4	68					.4	130	18		32
33	267		4	190					.4	126	20		33
34	268		8	128					.6	220	52		34
35	269		8	200					.6	330	52		35
36	270		6	540					.4	116	40		36
37	271		4	480					.4	76	20		37
38	272		2	116					.2	680	20	Zn	38
39	273		2	380					1.0	220	42	7500	39
40	G-26		6	26					.2	44	24		40

COMMENT: _____

DATE SAMPLES RECEIVED _____
 DATE REPORTS MAILED _____
 ANALYST _____

Cont. # 4126

(8)

AMAX EXPLORATION INC. ANALYTICAL REPORT

BURNABY LABORATORY - 2225 SPRINGER AVE. - BURNABY 2, B.C.

DATE Sept. 26, 74

TYPE SAMPLES Soils

JECT _____

LOCATION _____

REQUESTED BY C. Hodgson

DISPOSITION OF REJECTS _____

No.	Sample	pH	Mo	Cu	Ni				Ag	Zn	Pb		No.
01	4VLS 274		6	96					.4	88	20		01
02	275		2	84					.4	116	20		02
03	276		4	24					.6	164	28		03
04	277		4	32					.4	176	24		04
05	278		2	22					.4	304	40		05
06	279		2	14					.4	184	24		06
07	280		6	116					.4	146	20		07
08	281		6	16					.6	78	16		08
09	282		4	48					.2	50	16		09
10	283		2	20					.4	84	18		10
11	284		2	8					.2	58	12		11
12	285		4	12					.4	140	16		12
13	286		4	600					1.0	1120	60		13
14	287		4	220					1.8	560	22		14
15	288		2	12					.2	74	14		15
16	289		2	14					.2	76	16		16
17	290		2	132					.6	104	30		17
18	291		4	32					.6	78	34		18
19	292		12	128					.2	76	18		19
20	293		4	20					.2	298	30		20
21	294		2	100					.2	132	26		21
22	295		4	28					.4	108	20		22
23	296		4	36					.6	136	20		23
24	297		2	856					.4	148	20		24
25	298		2	86					.2	240	26		25
26	299		6	14					.4	108	16		26
27	300		4	176					2.0	266	40		27
28	301		4	16					.4	108	20		28
29	302		8	244					1.8	660 200	1150		29
30	303		4	32					.4	660	140		30
31	304		4	12					.2	212	14		31
32	305		22	224					1.0	96	114		32
33	306		2	16					.6	108	20		33
34	307		8	76					.6	1450	68		34
35	308		4	14					.6	172	22		35
36	309		4	22					.4	284	36		36
37	310		2	36					.4	86	20		37
38	311		2	38					1.6	280	32		38
39	312		10	380					.6	148	24		39
40	G27		24	250					1.6	720	7400		40

COMMENT:

DATE SAMPLES RECEIVED _____

DATE REPORTS MAILED _____

ANALYST _____

AMAX EXPLORATION INC. ANALYTICAL REPORT

BURNABY LABORATORY - 2225 SPRINGER AVE. - BURNABY 2, B.C.

DATE Sept. 26, 74 TYPE SAMPLES Soils
 PROJECT _____ LOCATION _____
 TESTED BY C. HODGSON DISPOSITION OF REJECTS _____

No.	Sample	pH	Mo	Cu	Ni				Ag	Zn	Pb		No.
01	L 313		4	32					.2	210	12		01
02	314		14	42					.4	134	28		02
03	315		12	20					.4	196	20		03
04	316		2	16					.4	90	16		04
05	317		6	40					.4	80	20		05
06	318		2	48					.4	108	20		06
07	319		4	18					.8	64	20		07
08	320		6	42					.4	84	20		08
09	321		6	280					1.0	88	52		09
10	322		4	77					.4	112	16		10
11	323		16	1600					1.4	108	36		11
12	324		10	16					.4	64	20		12
13	325		8	8					.4	96	20		13
14	326		6	44					.4	200	24		14
15	L 327		4	136					.8	60	16		15
16	S 328		2	16					.2	86	20		16
17	329		2	18					.2	46	20		17
18	330		2	14					.2	16	16		18
19	331		2	6					.2	48	14		19
20	332		2	2					.2	22	10		20
21	333		6	206					.4	284	26		21
22	334		18	32					.4	156	26		22
23	335		4	58					.4	224	22		23
24	336		6	138					.6	248	44		24
25	337		4	28					.4	82	24		25
26	338		2	14					.2	150	16		26
27	339		2	840					1.2	1540	56		27
28	340		2	22					.4	190	20		28
29	341		2	22					.6	386	16		29
30	342		2	24					.4	324	36		30
31	343		2	24					1.4	140	26		31
32	344		6	12					.4	80	20		32
33	345		6	20					.8	116	20		33
34	346		4	32					.4	560	20		34
35	347		4	180					1.0	360	32		35
36	348		2	16					.2	64	12		36
37	349		2	24					.2	106	20		37
38	T 350		2	156					.2	56	20		38
39	S 351		2	104					.2	230	24		39
40	G 21		12	980					1.0	176	52		40

COMMENT:

DATE SAMPLES RECEIVED _____
 DATE REPORTS MAILED _____
 ANALYST _____

Cont. #1126

FINLAY RIVER GRID

(6)

AMAX EXPLORATION INC. ANALYTICAL REPORT

BURNABY LABORATORY - 2225 SPRINGER AVE. - BURNABY 2, B.C.

DATE Sept 26, 74

TYPE SAMPLES Soils

PROJECT _____

LOCATION _____

REQUESTED BY C. HODGSON

DISPOSITION OF REJECTS _____

No.	Sample	pH	B ✓	Cu✓	Ni	Mo	Ag✓	Zn✓	Pb✓	No.
01	4VLS 352		10	48		4	0.2	120	36	01
02	353		6	50		10	0.4	60	34	02
03	354		6	42		6	0.4	208	30	03
04	355		4	96		6	0.6	84	30	04
05	356		6	34		4	0.2	104	32	05
06	357		20	24		6	0.2	164	24	06
07	358		14	36		20	0.2	196	30	07
08	359		10	48		14	0.2	800	24	08
09	360		8	28		10	0.4	132	28	09
10	361		8	24		8	0.2	100	30	10
11	362		4	20		6	0.2	86	28	11
12	363		6	18		4	0.2	66	24	12
13	364		1	42		6	0.2	56	22	13
14										14
15										15
16										16
17										17
18										18
19										19
20										20
21										21
22										22
23										23
24										24
25										25
26										26
27										27
28										28
29										29
30										30
31										31
32										32
33										33
34										34
35										35
36										36
37										37
38										38
39										39
40										40

COMMENT:

DATE SAMPLES RECEIVED _____

DATE REPORTS MAILED _____

ANALYST _____

APPENDIX II - ASSAY DATA

Cert. # 34 & 4126
Order # 2002 & 2056

ASSAY RESULTS

Analyses By: _____

PROJECT
or
PROPERTY VIP CLAIMS

TYPE
of
SAMPLE ROCK

Date: August and
September 1974

Sample No.	Total		Total		oz/t		Description
	Cu	Zn	Pb	Ag	Au		
1. 52032	.14	9.70	.02	.39	.003	Grab of over 10 square feet	
2. 33	.59	-	-	2.71	-	Grab of best looking material from shear vein	
3. 34	.33	-	-	.09	-	Grab of mineralized skarn boulder	
4. 35	.62	-	-	.61	-	Grab of mineralized talus blocks	
5.							
6. H 214	-	.01	7.0	.03	.001	Grab of best mineralization exposed in 5x10' outcrop	
7. H 219	.15	-	-	.16	-	Chip over 3'x3' outcrop	
8. H 224	.46	-	.37	.77	.004	Grab over 10 square feet area	
9. H 225	.12	-	-	.14	.001	Chip across 15'	
10.							
11.							
12.							
13.							
14.							
15.							
16.							
17.							
18.							
19.							
20.							

REMARKS

Unless otherwise instructed the following will occur:

- 1) All pulps will be kept.
- 2) All drill core rejects will be kept.
- 3) All surface sample rejects will be thrown out.

APPENDIX III - STATEMENT OF COSTS

Administrative Expenses

8601 Salaries Permanent	
C.J. Hodgson 15 days @ \$90/day	\$1,350
J.L. LeBel 10 days @ \$55/day	550
8602 Salaries Temporary	
J. Mortensen 10 days @ \$22/day	220
M. Adelaar 5 days @ \$24/day	120
8610 Fringe (10% of above)	34
8620 Telephone and Telegraph	<u>63</u>
	\$2,337

Field Expenses

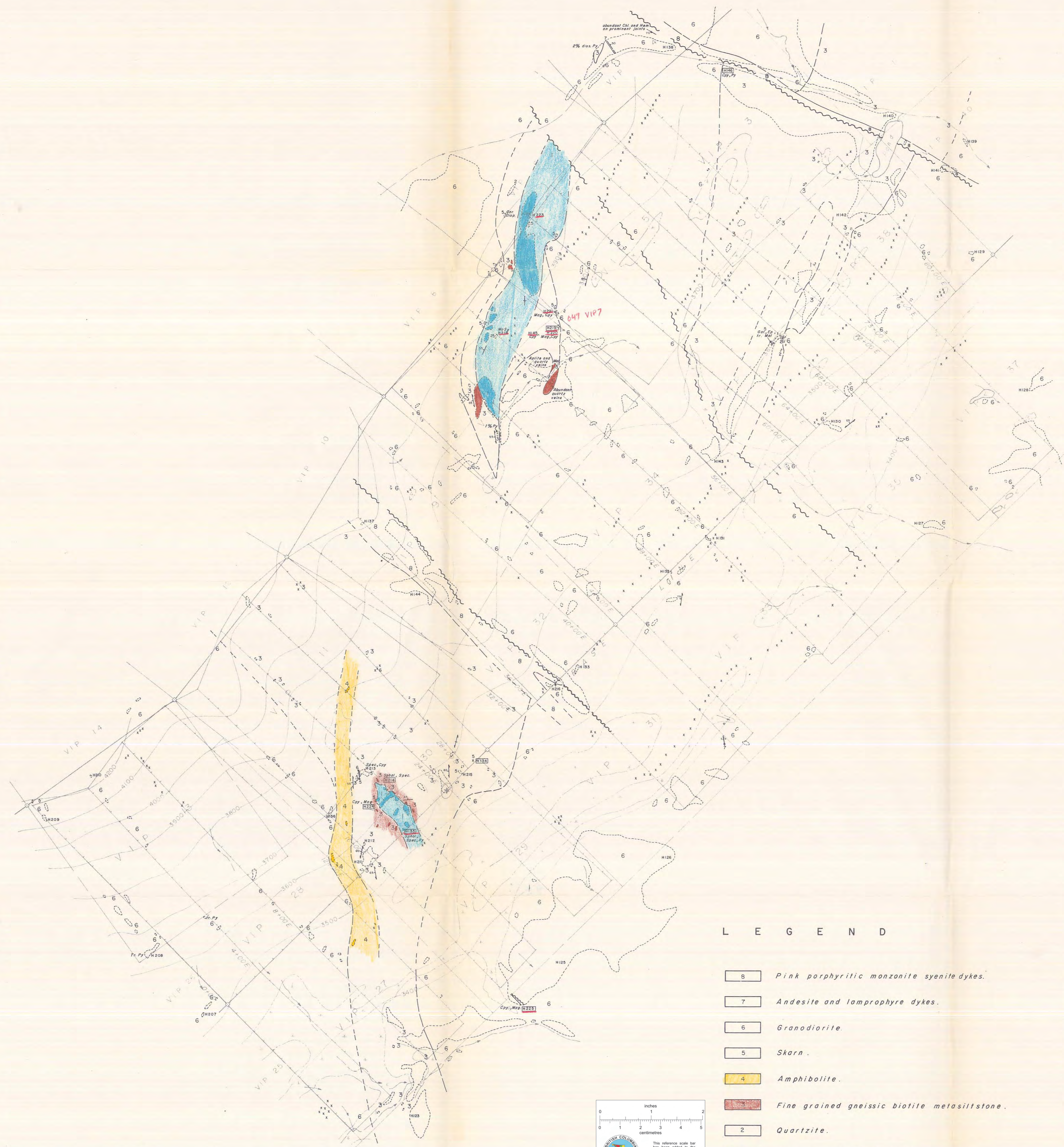
8680 Shipping Expense	\$ 10
8683 Contractors, non-technical (aircraft charter)	132
8689 Materials and Supplies	88
8690 Operation and maintenance of equipment	151
8691 Assay Expense	100
8692 Camp Accommodation and Board	400
8694 Project Travel	2,140
8695 Misc. Permit Payments (rental fees)	<u>166</u>
	\$3,187
	<u> </u>
Grand Total	\$5,524

=====

Figure 3

4

5



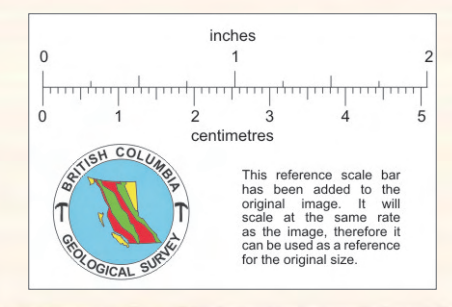
S Y M B O L S

- Boulder.
- Boulder terrace (lacustrine?).
- Outcrop.
- Geological contact (defined, approximate, assumed).
- Fault.
- Mineralized shear vein.
- Bedding.
- Foliation, gneissic foliation.
- Hand specimen referred to in notes.
- Hand specimen referred to in notes and assayed.
- Claim post, claim location line.
- Claim boundary.
- Barometer land form contour.
- Stream.
- Swamp, swamp boundary.

- Diop* Diopside
- Hem* Hematite
- Py* Pyrite
- Cpy* Chalcopyrite
- Mal* Malachite
- Sphal* Sphalerite
- Mag* Magnetite
- Ep* Epidote
- Gor* Garnet
- Spec* Specularite
- Chl* Chlorite

L E G E N D

- Pink porphyritic monzonite syenite dykes.
- Andesite and lamprophyre dykes.
- Granodiorite.
- Skarn.
- Amphibolite.
- Fine grained gneissic biotite metasilstone.
- Quartzite.
- Coarsely crystalline marble.



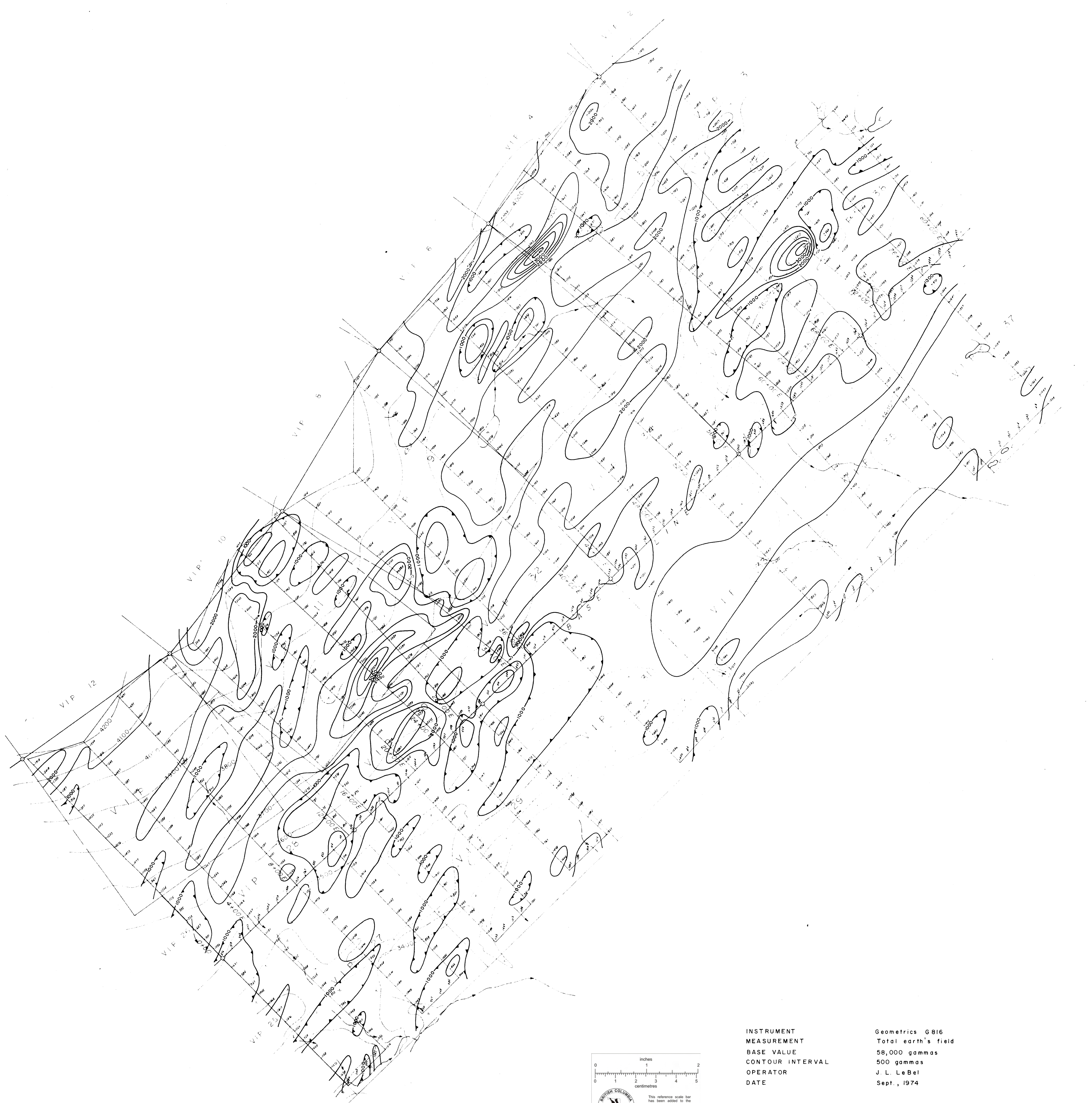
AMAX EXPLORATION INC.
FINLAY RIVER PROPERTY
 OMINECA MINING DIVISION — BRITISH COLUMBIA

GEOLOGICAL MAP

SCALE 400 0 400 FEET
 1 : 4,800

DATE RECEIVED	DATE PRINTED	Drawn by: H.C.P.	FIG. 3
		Date	
		NTS File	
		95 E 2	

To accompany "1974 GEOLOGICAL, GEOCHEMICAL AND GEO-PHYSICAL REPORT" by C.J. Hodgson and J.L. LeBel.

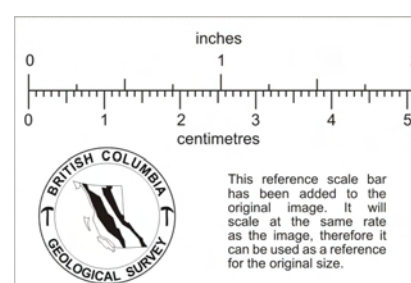


L E G E N D

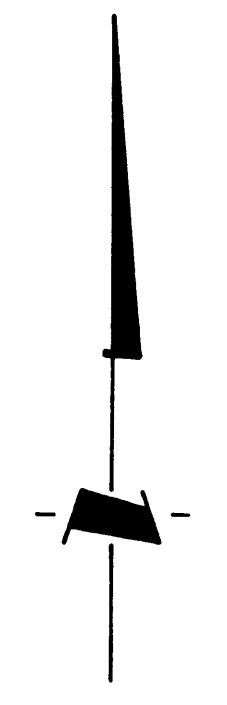
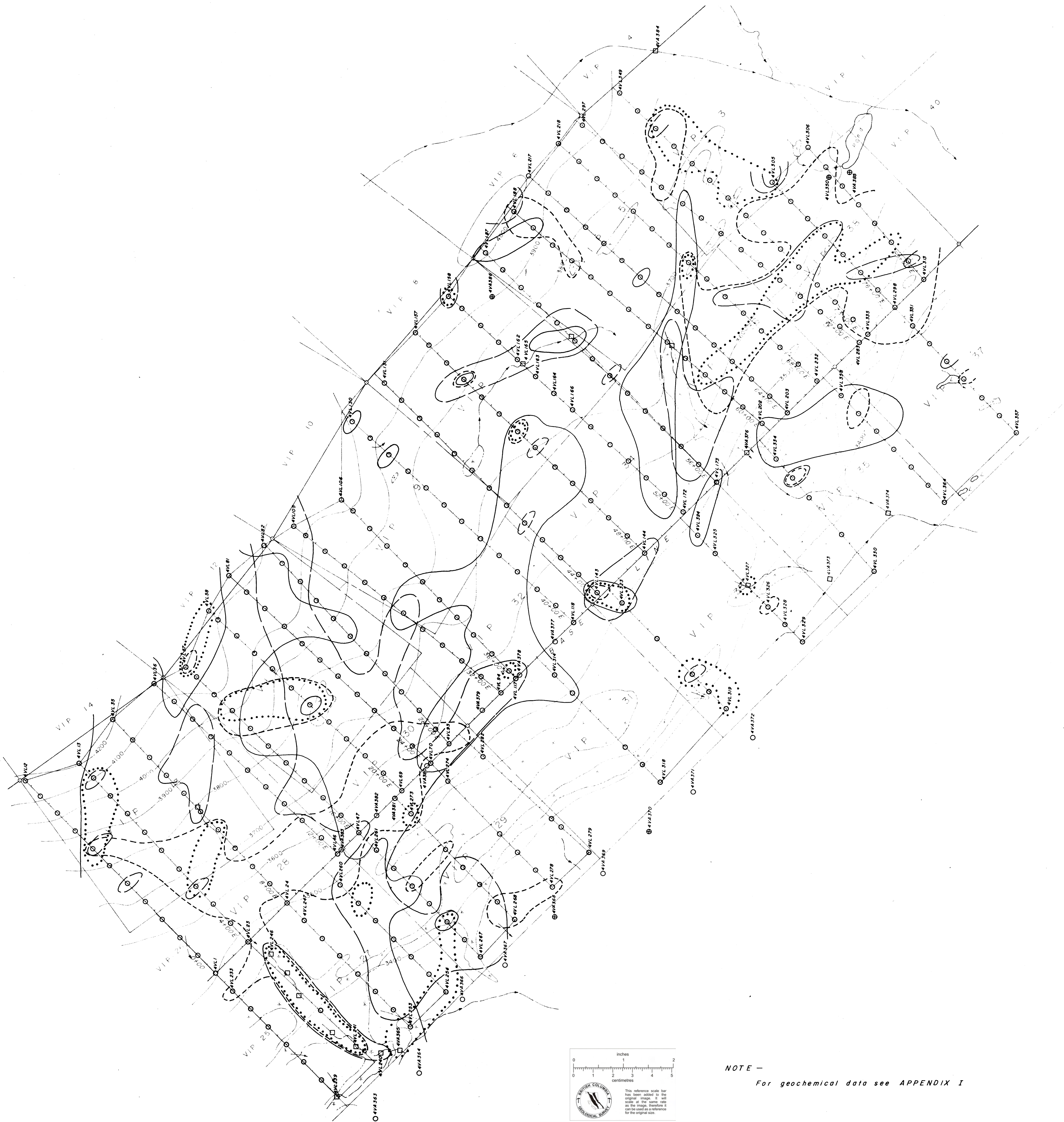
- Claim post, claim location line.
- Claim boundary.
- Barometer land form contour.
- Stream.
- Swamp, swamp boundary
- Magnetometer survey readings in gammas.
- Isomagnetic contour
- Magnetic low.

INSTRUMENT
MEASUREMENT
BASE VALUE
CONTOUR INTERVAL
OPERATOR
DATE

Geometrics G816
Total earth's field
58,000 gammas
500 gammas
J. L. LeBel
Sept., 1974

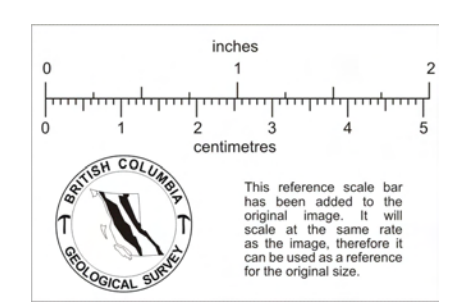


AMAX EXPLORATION INC.			
FINLAY RIVER PROPERTY			
OMINECA MINING DIVISION — BRITISH COLUMBIA			
MAGNETOMETER SURVEY			
SCALE		FEET	
400		400	
1 : 4,800			
DATE REVISED	DATE PRINTED	Drawn by: H.C.P. Date NTS File 94 E 2	FIG. 4
To accompany "1974 GEOLOGICAL, GEOCHEMICAL AND GEO-PHYSICAL REPORT" by: C.J. Hodgson and J.L. LeBel.			



L E G E N D

- Claim post, claim location line.
- Claim boundary.
- Baltometer land form contour.
- Stream.
- Swamp, swamp boundary.
- Soil sample site, sample number.
- Silt sample site, sample number.
- Rock chip sample site, sample number.
- Limit of ≥ 10 p.p.m. Mo
- Limit of ≥ 150 p.p.m. Cu
- Limit of ≥ 200 p.p.m. Zn
- Limit of ≥ 0.8 p.p.m. Ag



NOTE -
For geochemical data see APPENDIX I

AMAX EXPLORATION INC.			
FINLAY RIVER PROPERTY			
OMINECA MINING DIVISION — BRITISH COLUMBIA			
GEOCHEMICAL SURVEY			
SCALE $\frac{1}{4800}$ FEET			
DATE REVISION	DATE PRINTED	Drawn by HCP	FIG. 5
		Date	
		NTS File 94 E 2	
To accompany "1974 GEOLOGICAL, GEOCHEMICAL AND GEO-PHYSICAL REPORT" by: C.J.Hodgson and J.L.LeBel.			

VIP 5, 7, 9, 11, 29-34, 36, 38

94 E/2W

OMINECA MINING DIVISION

owned; Amax Exploration, Inc.

forfeited August 22, 1975.

September 5, 1975

Amax Exploration Inc.
#601 - 535 Thurlow St.
Vancouver 5, B.C.

Dear Sirs:

Re: VIP 5, 7, 9, 11, 29-34, 36,
and 38 mineral claims
Omineca Mining Division

Thank you for the information dated August 25, 1975,
submitted pursuant to Section 52 of the Mineral Act with
respect to the above noted mineral claims.

Yours very truly,

R. Rutherford
Deputy Chief Gold Commissioner

bmh

AMAX EXPLORATION, INC.

A SUBSIDIARY OF AMERICAN METAL CLIMAX, INC.

PHONE (AREA CODE 604) 683-0474

#601-535 THURLOW STREET
VANCOUVER 5, BRITISH COLUMBIA

FORFEITURE OF MINERAL CLAIMS

DETAILS OF EXPLORATION AND DEVELOPMENT WORK ON FORFEITED MINERAL CLAIMS

(Subsection 2(b) of Section 52 of the B.C. Mineral Act)

TO: B.C. MINISTER OF MINES

NAMES OF CLAIMS FORFEITED, RECORD NUMBERS AND EXPIRY DATES

VIP 5	127698	VIP 29-34 incl.	127722-127727 incl.
VIP 7	127700	VIP 36	127729
VIP 9	127702	VIP 38	127731
VIP 11	127704		

August 22, 1975

LOCATION OF CLAIMS: 2 miles SE Drybrough Peak

MINING DIVISION: OMINECA

EXPLORATION & DEVELOPMENT WORK ON FORFEITED MINERAL CLAIMS -

Geological Survey - C.J. Hodgson, September 23, 1974 - Assessment Report filed.

Geological, Geochemical, Geophysical Report - C.J. Hodgson, J.L. LeBel
December, 1974. (Copy enclosed)

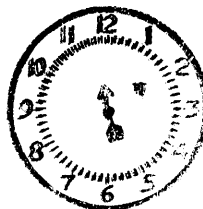
✓ 683-0474

TOTAL COST OF EXPLORATION WORK: \$7,950.90

Signature: H.W. Sellmer

H.W. Sellmer

SEP 4 '75 PM



DEPT. OF MINES
AND PETROLEUM RESOURCES

AMAX EXPLORATION, INC.

Date: August 25, 1975

9990

3233

AMAX EXPLORATION, INC.

A SUBSIDIARY OF AMERICAN METAL CLIMAX, INC.

PHONE (AREA CODE 604) 683-0474

#601-535 THURLOW STREET
VANCOUVER 5, BRITISH COLUMBIA

V6E 3L6

September 16, 1975

Mr. J.A. Garnett,
B.C. Department of Mines &
Petroleum Resources,
Geological Division,
Victoria, B.C.

JAG

Dear Jack:

Re: Report on VIP Claims

Pursuant to our telephone conversation, enclosed please find a copy of the missing report. Although we have a letter from Rutherford thanking us for the data, it does not make specific mention of the report.

In our conversation you seemed to imply that this data pursuant to Section 52 of the Mineral Act should be sent somewhere other than to the Minister. Please inform us of the correct address if this is true.

Sincerely,

Chief Gold Commissioner

AMAX EXPLORATION, INC.

H.W. Sellmer

H.W. Sellmer
Regional Manager - Western
Canada

HWS/b
Enclosure