GEOLOGICAL AND GEOCHEMICAL REPORT

ON THE AFI 183-296, GRAY 1-4 CLAIMS

Whitehorse Mining District, Y.T.
NTS 105D/2
(60°10'N, 134°50'W)

091853

for

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by

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March 1986

CLAIMS: AFI 183-296, Gray 1-4, inclusive
LOCATION: 38 miles (60 km) south of Whitehorse, YT
DATE: August 26 to September 15, 1985

091853

091853

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 23,300.00.

D D Emond

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

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

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

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3.	As, Sb Soil Geochemistry	"
4.	Pb, Zn Soil Geochemistry	"

Figure 1: View southeast across AFI claims.

FIGURE 2

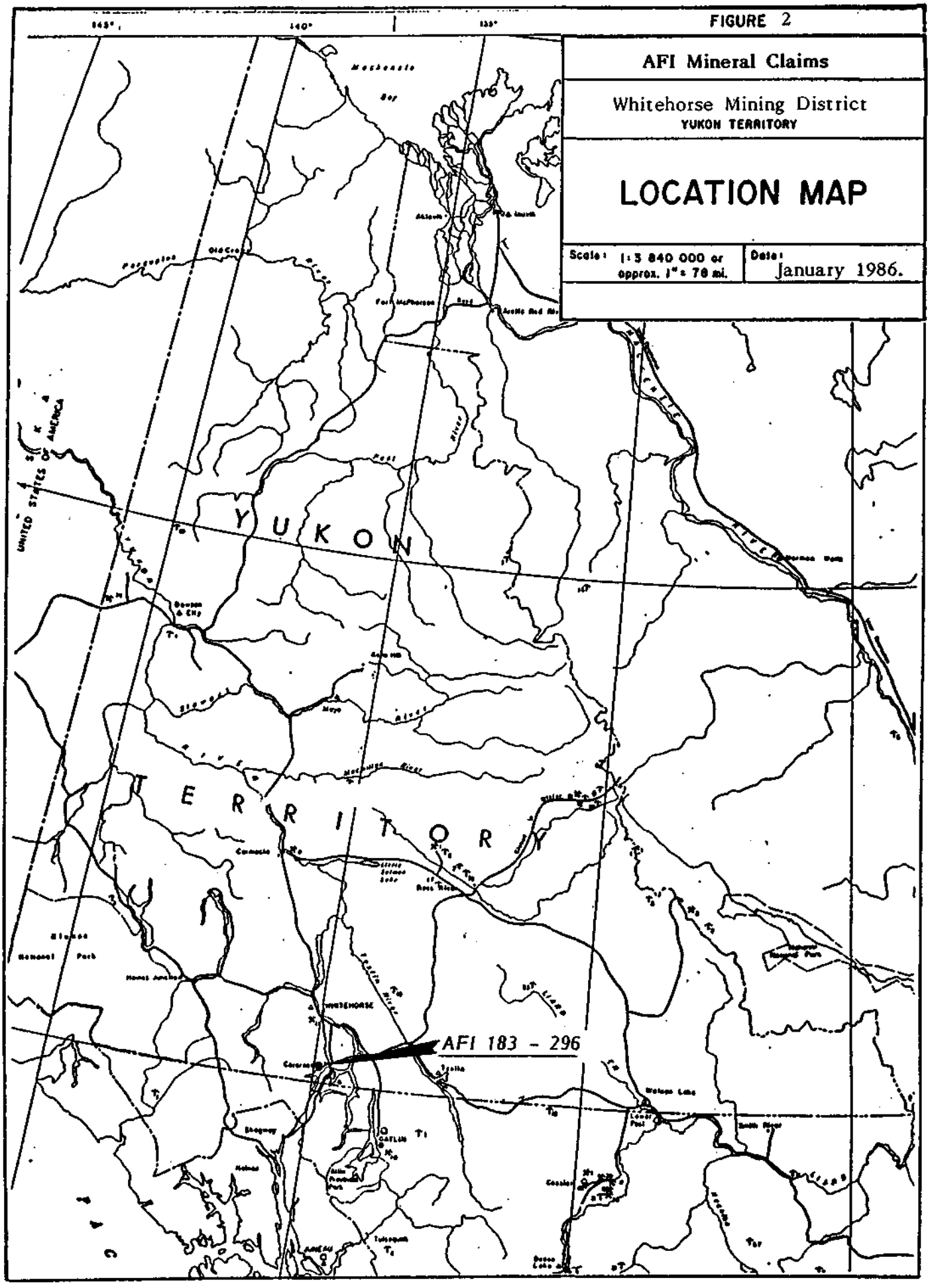
AFI Mineral Claims

Whitehorse Mining District
YUKON TERRITORY

LOCATION MAP

Scale: 1:3 840 000 or approx. 1" = 70 mi.

Date: January 1986.



SUMMARY AND CONCLUSIONS

The AFI 183-296, Gray 1-4 mineral claims are situated in the Wheaton River area, Whitehorse Mining District (NTS 105D/2), Yukon Territory. Access is by helicopter from Whitehorse, a distance of 60 kilometres, or Carcross, 6 kilometres.

Upper Triassic Lewes River group mafic volcanics, tuffs and sediments underlie the property. These rocks are intruded by Late Cretaceous-Early Tertiary granodiorite. Several small Eocene rhyolitic plugs intrude the Upper Triassic rocks.

During the 1985 field season, a program of geological mapping and detailed soil and rock sampling was conducted on the AFI claims at a total cost of $20,642.55. In addition, low level, colour air photographs were taken of the claim area.

Results of this work are encouraging and indicate that the claims are in a similar geological environment to other Au-Ag prospects in the district. Soil sampling results outline an area of anomalous arsenic geochemistry. Rock sampling indicates a strong arsenic anomaly in one area that also has relatively high gold in stream silts. In view of these results, a follow-up exploration program is recommended to further evaluate the property. The estimated cost of this proposed program is $20,000.

I N T R O D U C T I O N

This report describes the results of an evaluation of the AFI 183-296, Gray 1-4 mineral claims. The object of this work was to locate and examine mineral showings on the claims as well as to map in detail the geology of the property. Detailed soil and rock sampling was conducted as a part of the program.

LOCATION

The claims are located 60 kilometres (38 miles) south of Whitehorse in the Whitehorse Mining District, Y.T. (NTS 105D/2). Centered at latitude 60°10'N and longitude 134°50'W, the ground covers the south end of Gray Ridge. Physiographically, the property lies on predominantly grass covered alpine ground, although lower elevations are tree and brush covered. Terrain is gentle on the upland parts, but steepens

considerably toward the eastern claim boundary. Elevations range from 2200' to 6083' above sea level.

ACCESS

The property is accessible by helicopter from either Whitehorse, 60 kilometres to the north, or Carcross, 6 kilometers to the east.

PREVIOUS WORK

The area has a mineral exploration history going back to th 1900's when several claims were staked to cover copper occurrences in limestone (Cairnes, 1908). Since that time the area has received very little exploration attention.

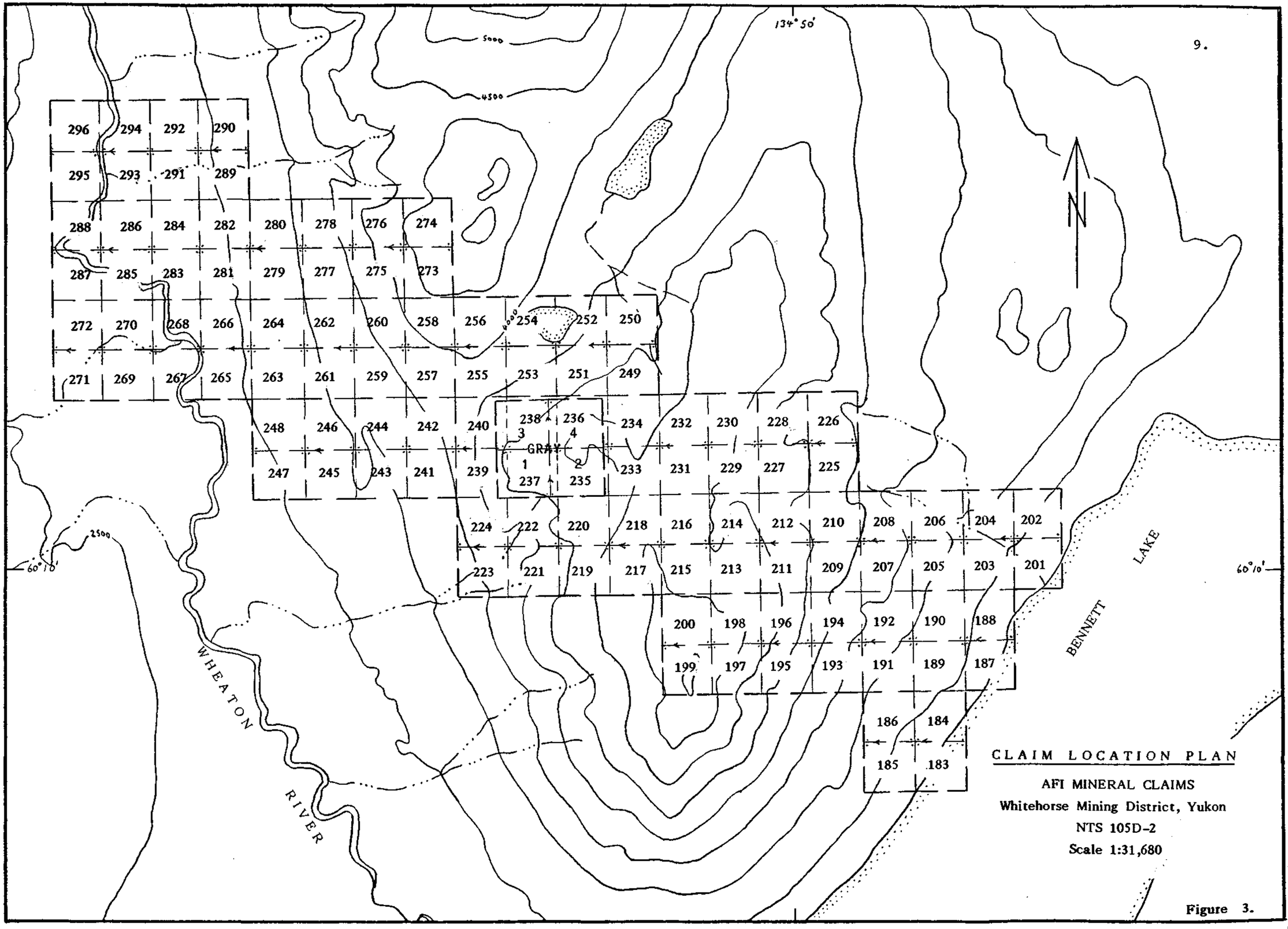
P R O P E R T Y

The AFI mineral claims (Figure 3) were acquired for Island Mining and Explorations Co. Ltd. by McCory Holdings Ltd. of Whitehorse, Y.T. in October 1984. The property, located in the Whitehorse Mining District (NTS 105 D/2), consists of a total of 114 full sized, contiguous mineral claims (Table 1), as well as the four Gray claims.

Table 1

Claim	Grant Number	Expiry Date*
AFI 183-186	YA85835-38	October 15, 1987
AFI 187,188	YA85839,40	October 15, 1988
AFI 189-194	YA85841-46	October 15, 1987
AFI 195	YA85847	October 15, 1986
AFI 196	YA85848	October 15, 1987
AFI 197-200	YA85849-52	October 15, 1986
AFI 201-204	YA85853-56	October 15, 1988
AFI 205	YA85857	October 15, 1987
AFI 206	YA85858	October 15, 1988
AFI 207	YA85859	October 15, 1987
AFI 208	YA85860	October 15, 1988
AFI 209	YA85861	October 15, 1987
AFI 210	YA85862	October 15, 1988
AFI 211	YA85863	October 15, 1987
AFI 212	YA85864	October 15, 1988
AFI 213	YA85865	October 15, 1986
AFI 214	YA85866	October 15, 1988
AFI 215-224	YA85867-76	October 15, 1986
AFI 225-232	YA85877-84	October 15, 1991
AFI 233-296	YA85885-948	October 15, 1986
Gray 1-4	YA78743-46	November 10, 1988

* Pending acceptance of current work by Mining Recorder.



CLAIM LOCATION PLAN

AFI MINERAL CLAIMS

Whitehorse Mining District, Yukon

NTS 105D-2

Scale 1:31,680

Figure 3.

G E O L O G Y

The AFI/Gray claims are located in the northern part of the Coast Range Plutonic Complex, a tectonic element that has been a prolific gold producer in the Canadian Cordillera.

Regionally, the area is underlain by volcanics of uncertain age, Upper Triassic Lewes River group volcanics, pyroclastics and sediments and Lower Jurassic Laberge group sediments. This succession is intruded by quartz diorite of Late Cretaceous-Early Tertiary age. Several small Eocene plugs intrude the Upper Triassic succession on the property.

Geological mapping at a scale of 1:10,000 was carried out over the central part of the claim area. The distribution of lithologies (Plate 1), age and formational nomenclature was supplemented by information contained in G.S.C. Memoir 312 (Wheeler, 1961). Bedrock exposures on the claims are less than 5 percent of the surface area.

LITHOLOGIES

UPPER TRIASSIC: LEWES RIVER GROUP

Mafic Volcanics

A sequence of massive, typically structureless pyroxene porphyries underlies approximately 30 percent of the area mapped. The porphyries are dark brown weathering, dark green coloured. Rare pyroxenite lenses occur within the sequence. Fine-grained, pale green, thin-bedded tuffs are found within the volcanic succession on the east side of the map area.

Sediments

Intercalated mudstone, siltstone and fine-grained sandstones underlie the volcanic pile. In general the sequence consists of pyritic dark grey to black, thin-bedded mudstones. However, a cream to medium grey coloured, mottled, fine to medium crystalline limestone unit ranging from 1 to 10 metres in thickness occurs in the sedimentary package. Part of this sequence may belong to the Lower Jurassic Laberge Formation.

LATE CRETACEOUS - EARLY TERTIARY

Granodiorite

A stock of grey weathering, recessive to blocky, medium-grained, equigranular biotite-hornblende granodiorite underlies the eastern half of the claims. Thermal contact effects of the granodiorite on Upper Triassic sediments have produced a pyritic hornfels and medium crystalline limestone. No skarn minerals were observed in the carbonates.

EOCENE

Rhyolite

What appear to be three small plugs (or dykes?) of rhyolite intrude volcanics and sediments on the western side of the map area. The plugs range up to 10 metres in diameter. Contacts are obscured by talus. Rhyolite is orange weathering, fine-grained, leucocratic and miarolitic. Fine-grained muscovite (2%) is disseminated throughout the rhyolite. Finely disseminated pyrite (1-2%) is ubiquitous.

STRUCTURE

The sedimentary succession on the AFI dips moderately to the northeast on the west side of the property. This section may represent one limb of a northerly trending syncline with axis running through Mt. Gray. However, the eastern limb is not well documented and apparent folding on this side may be a contact effect resulting from the intrusion of the granodiorite. The granodiorite contact is a nearly linear, northwesterly trending zone that cuts through the centre of the property. A small northeasterly trending fault offsets sediments and volcanics on the west side of the property.

G E O C H E M I S T R Y

Soil sampling on the AFI claims was conducted over a total of 26.4 kilometres of grid (Plates 2 - 4) covering a portion of the property. The grid area is underlain by the contact of granodiorite and Upper Triassic limestone and sediments. Gossanous, pyritic float is located along the contact zone. The purpose of the grid was to evaluate the potential of the area for hosting gold mineralization. A total of 610 samples were collected at 50 metre intervals on picketed lines, spaced 50 metres apart. Rock and stream sampling was also undertaken (Plate 1). All samples were placed in numbered bags and shipped to Acme Analytical Laboratories Ltd. in Vancouver, B.C. There samples were dried and seived (or crushed in the case of rocks) and analysed for Au, Ag, As, Pb, Zn, and Sb as per method and extraction techniques outlined on data sheets (Appendix A).

SOILS

Where possible, soil samples were collected from the B-horizon. This horizon is moderately well developed over most of the property under a thin, but variable layer of pale grey volcanic ash. Soils in general consist of thin residual soils with some mixed glacial debris on the hills.

Probability graphs of soil data are found in Figures 4 to 6. The distributions suggest that data for Au, As, Pb represents two mixed populations. It is believed that, for each element, one of the populations is related to mineralization and is regarded as an anomalous population. In the case of Ag and Zn, there is some doubt as to whether an anomalous population exists in the sample data. An interpretation of the data in terms of background and anomalous categories is tabulated below.

Table 2

INTERPRETATION OF SOIL SAMPLE DATA

	Range	Background	Possibly Anomalous	Anomalous
Au	1-285 ppb	1- 5 ppb	6- 59 ppb	60+ ppb
Ag	0.1-1.6 ppm	0.1-0.9 ppm	1.0+ ppm	-
Pb	2- 92 ppm	2- 19 ppm	20- 39 ppm	40+ ppm
Zn	12-387 ppm	12- 99 ppm	100+ ppm	-
As	2-993 ppm	2- 19 ppm	20- 79 ppm	80+ ppm
Sb	2- 7 ppm	2- 7 ppm	- ppm	-

Results of the sampling indicate that two anomalous gold values are erratically distributed across the grid area. Silver does not appear to be anomalous (high 0.8 ppm). Arsenic forms two clusters of possibly anomalous values: one cluster in the northern part of the grid (3600 to 4000N, 1900 to 2300E) and one in the southern part (2500 to 2650N, 2050 to 2100E). However, there is no correlation between high As and high Au. Antimony is not anomalous (high 6 ppm). Anomalous values of Pb (40+ ppm) form a small grouping in the southern part of the grid. High Pb values are coincident with an area of possibly anomalous As values, Possibly anomalous zinc values (100+ ppm) are coincident with high Pb.

A single soil line (series L3-853001 to 47), run along a claim line, returned values similar to those obtained on the grid. However, a cluster of anomalous arsenic values (124 to 993 ppm) occurs across 5 samples (853016 to 19). Further work in this area is strongly recommended to determine the extent and source of these anomalies.

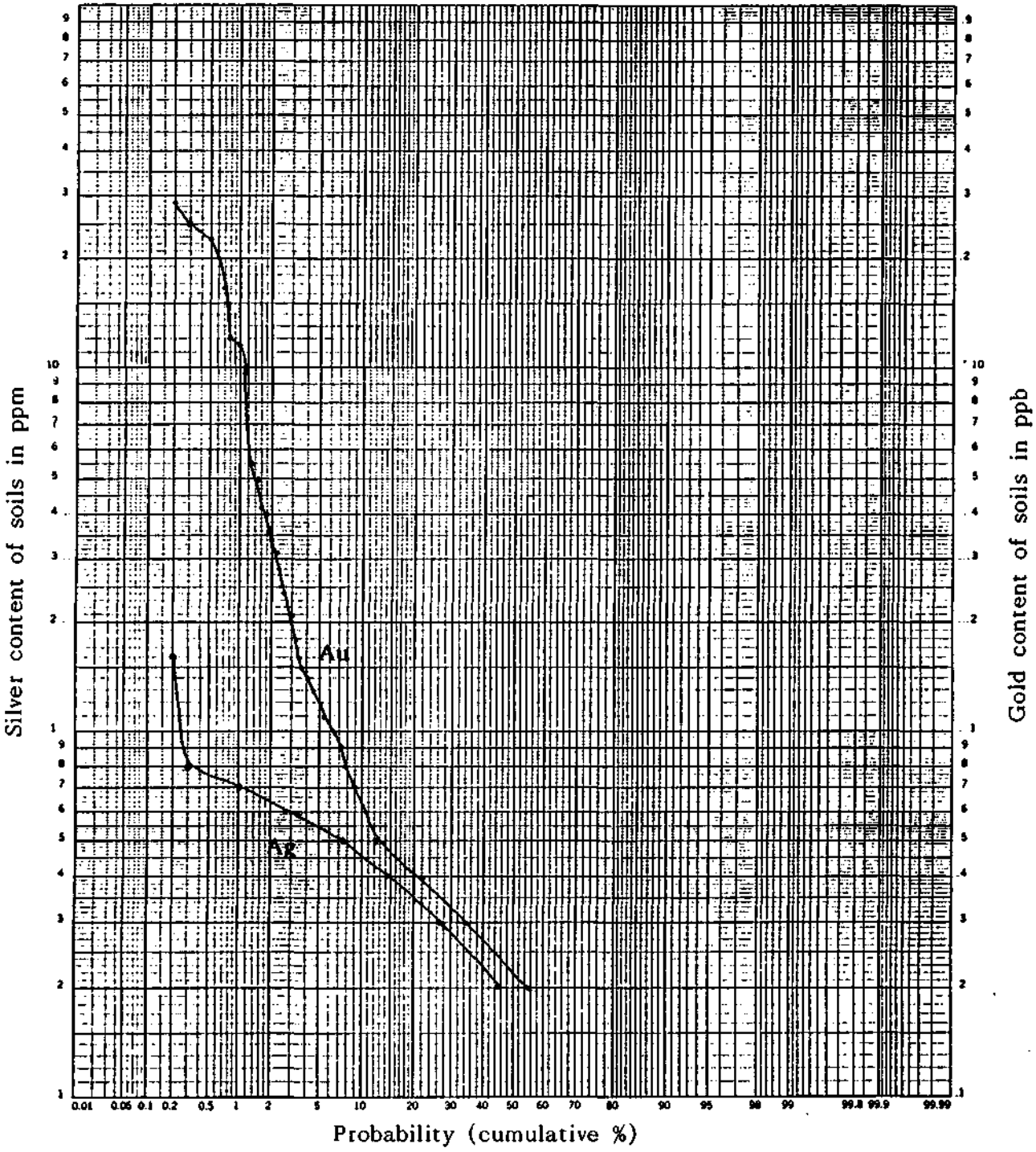


FIGURE 4

Probability Graph - Gold and Silver in Soils

AFI 183 - 296 Claims

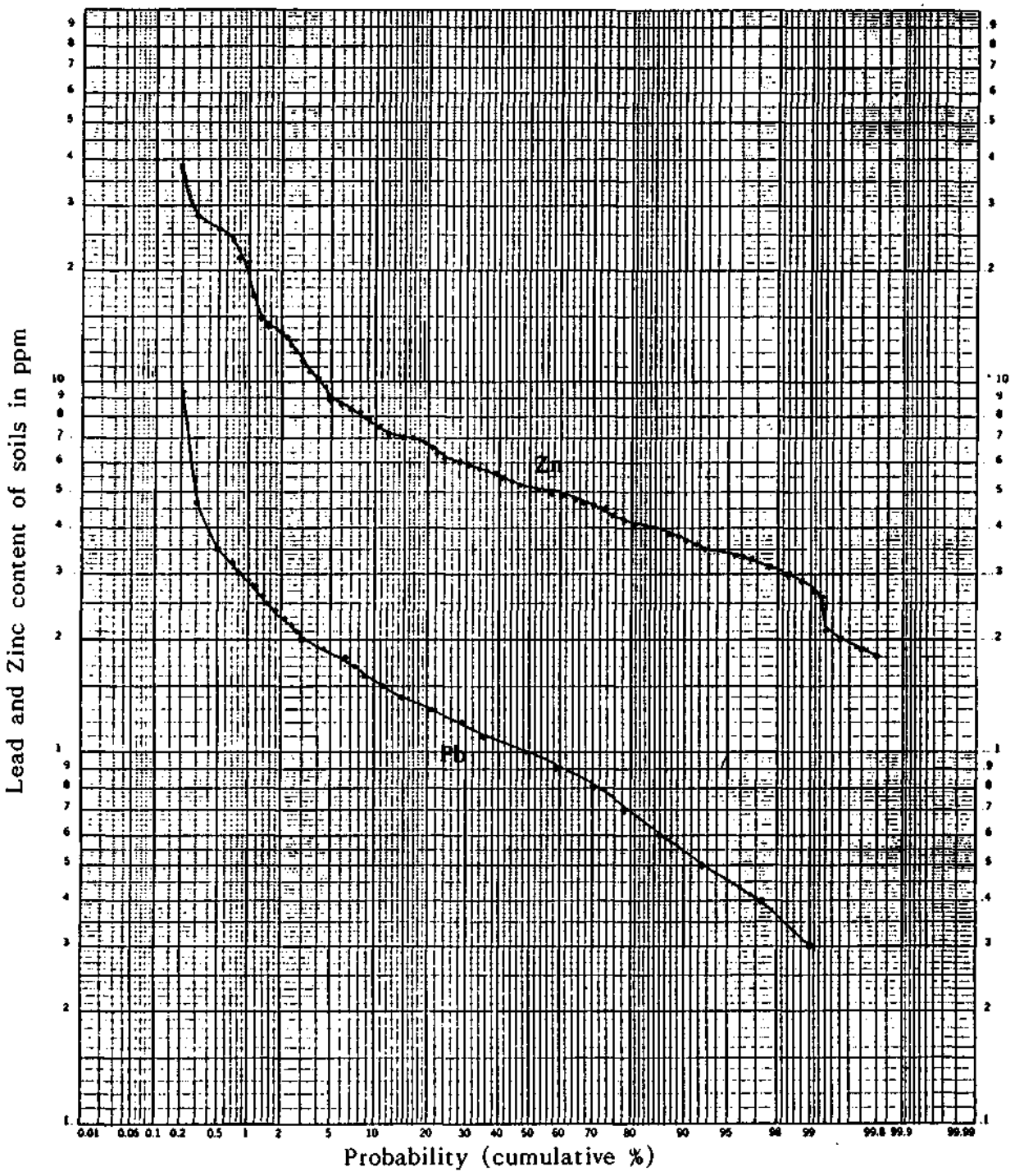


FIGURE 5

Probability Graph - Lead and Zinc in Soils

AFI 183 - 296 Claims

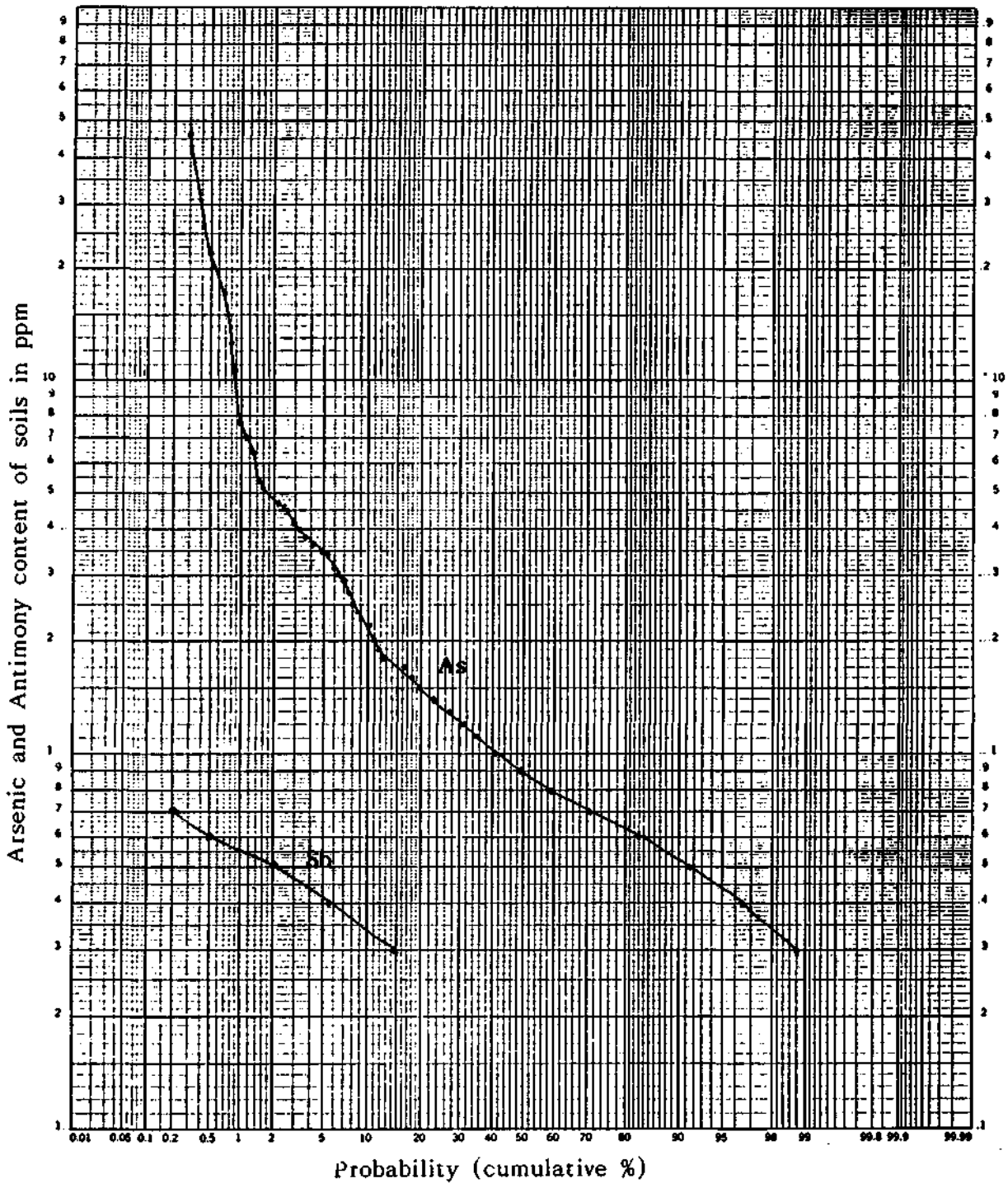


FIGURE 6

Probability Graph - Arsenic and Antimony in Soils

AFI 183 - 296 Claims

ROCKS

Samples consisted of 1 to 2 kilograms of rock chips taken across surface exposures. A total of 21 rock samples were taken for analysis of the different lithologies on the property. The highest gold value in rock is 12 ppm, silver is 0.3 ppm. These levels do not suggest that significant precious metal mineralization occurs in the rocks sampled. Levels of other metals in the rocks samples are also low, with one exception: a pyritic, altered sediment or dyke rock (sample 751092) contains significant arsenic (1965 ppm). Further prospecting and sampling in this area is warranted to determine if significant gold is associated with the high arsenic.

STREAMS

A total of 13 silt samples were collected from creeks draining the area mapped. The range of gold values is 1 to 37 ppb. The high value of 37 ppb Au is possibly anomalous. This sample is from a creek draining the area where an anomalous arsenic value occurs in altered rocks. As stated above, this area warrants further investigation.

A I R P H O T O G R A P H Y

Colour air photographs of the property were taken on September 8, 1985. Northwest Survey Corporation (Yukon) Ltd. conducted the work under contract to Thomson and Isles, engineers and surveyors of Whitehorse. East-west flight lines were flown at an altitude of 16,500 feet (A.S.L.) Camera used was an RC10, MAG2548, lens UAG 6007, F.L. 152.935 mm, PAN 525. Photograph series is NW43985 99- 104, 135-145, 177-181. Survey targets were set out at the following claim post locations:

1.	Post 1	AFI 213, 214
	Post 2	AFI 211, 212
2.	Post 1	AFI 227, 228
	Post 2	AFI 225, 226
3.	Post 1	Gray 1, 2
4.	Post 1	AFI 233, 234
	Post 2	AFI 231, 232
5.	Post 1	AFI 277, 278
	Post 2	AFI 275, 276

Air photographs were examined by the writer. Several sets of lineaments were observed to cross the property. On the west side of the claims, northerly to north-northwesterly trending linears occur on the east wall of the Wheaton River Valley. This set may reflect a fault (Wheeler, 1961). A northwesterly trending fracture set is developed in intrusive rock on the northeast side of the claims and probably is the expression of a tensional joint set. A pronounced, northeasterly trending trough containing two lakes, bisects the property. This feature may represent a fault zone (Wheeler, ibid.). However, there appears to be little offset along the zone.

Deposits of surficial material are evident along the edge of Wheaton River Valley. There, terraces of presumably lucustrine or alluvial material occur. A series of what appear to be strand lines are evident on air photos of the edge of Bennett Lake. Most of the upland surface of the central part of the property is covered by only a thin layer of till or residual soil and, as a consequence, bedrock structures, if any, are readily observable. Contrasts between different lithologies are not easily discernable in air photographs, with the exception of what appears to be a sediment/volcanic contact on the southeast part of the claim group.

R E C O M M E N D A T I O N S

A two man helicopter-supported, fly camp program of approximately 1 week's duration, consisting of follow-up sampling and prospecting of areas of anomalous arsenic in soils and rocks, is recommended for the 1986 field season. The estimated cost of such a program is $20,000.

Respectfully submitted,

AMERLIN EXPLORATION SERVICES LTD.

Carl G. Verley.

Carl G. Verley, F.G.A.C.

Vancouver, B.C.

March, 1986

R E F E R E N C E S

Cairnes, D.D. 1908: Report on a Portion of Conrad and Whitehorse Mining Districts, Yukon; Geol. Surv. Canada, Pub. 982.

Pride, M.J. and G.S. Clark, 1985: An Eocene Rb-Sr isochrone for rhyolite plugs, Skukum area, Y.T. Canadian Journal of Earth Sciences, vol.22, No. 11, pp 1747-1753.

Wheeler, J.O., 1961: Whitehorse Map-Area, Y.T., Geological Survey of Canada, Memoir 312.

APPENDIX A

ANALYTICAL DATA

A S S A Y A N D A N A L Y T I C A L D A T A

ROCK SAMPLE DESCRIPTIONS

Sample	Description
751082	Chips across small (10 m diam.) rhyolite plug. - sericitic, pyritic
751084	Chips across 3 metre face of dark grey, pyritic mudstone.
751085	Chips across 1 metre face of mudstone as 751084.
751086	as 751084
751087	Chips across 2 metre outcropping of rhyolite.
751088	Chips across 2 metre outcrop of wallrock to rhyolite in 751087
751089	Chips across 3 metre exposure of rusty weathering, dark grey mudstone.
751090	Chips across 3 metre outcrop of rhyolite.
751091	Chips across 40 cm thick, siliceous section in middle of limestone bed, pyrite.
751092	Chips across 1 metre exposure of rusty weathering, light to medium grey, mottled, pyritic rock (dyke or altered sediment?)

Sample	Description
751117	Chips across 2 metre face of limestone. Contains some rusty weathering, siliceous bands.
751122	Chips across 1 metre face of rusty weathering mudstone.
751123	as 751122
751124	as 751122
751125	as 751122
751126	Chips of rusty, bleached mudstone and sandstone.
751127	as 751126
752130	Chips of limestone with calcite stringers.
752131	Chips from float boulder of pyrite siliceous mudstone.
751133	Chips across 4 metre face of limestone breccia (collapse breccia).
752134	Chips of rusty sandstone or quarzite rubble from 3 metre square area.

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

DATE RECEIVED: SEPT 10 1985

DATE REPORT MAILED: Sept. 14/85

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
SAMPLE TYPE: SILTS -80 MESH P2-ROCKS AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: V. Saundry. DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

ISLAND MINING PROJECT - AFI FILE # 85-2302 PAGE 1

SAMPLE#	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
755079	3	42	.2	7	2	3
755080	12	82	.3	15	2	7
755081	9	97	.2	24	2	1
755083	9	93	.1	87	2	3
755093	36	92	.4	163	6	37
755094	13	65	.1	93	3	8
755118	9	77	.1	9	2	3
755119	8	71	.2	9	2	2
755120	7	45	.2	11	2	2
755121	6	51	.1	9	2	2
755128	31	82	.3	121	5	8
755129	32	73	.3	99	8	10
755132	4	52	.2	12	2	3
STD C/AU-0.5	40	137	7.1	40	15	480

SAMPLE#	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
751082	19	4	.1	51	2	3
751084	24	147	.3	26	2	10
751085	22	16	.1	32	2	8
751086	17	29	.1	99	2	11
751087	11	5	.1	40	2	2
751088	17	113	.1	4	2	12
751089	15	113	.2	8	2	10
751090	14	6	.2	36	2	2
751091	13	39	.1	16	2	4
751092	26	55	.1	1965	2	3
751117	19	15	.1	22	2	2
751122	12	5	.2	23	2	4
751123	25	35	.1	171	13	8
751124	13	24	.1	35	3	7
751125	15	40	.2	57	4	7
751126	12	35	.1	90	2	3
751127	12	168	.1	59	3	4
752130	2	5	.2	4	2	1
752131	13	38	.1	6	2	2
751133	4	9	.1	9	2	1
752134	10	35	.1	17	2	1
STD C/AU-0.5	37	132	6.9	37	15	505

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

DATE RECEIVED: SEPT 26 1985

DATE REPORT MAILED: Oct.2/85..

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN.FE.CA.P.CR.MG.BA.TI.B.AL.NA.K.W.SI.ZR.CE.SN.Y.NB AND TA. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: SOILS -80 MESH AU* ANALYSIS BY AA FROM 10 GRAM SAMPLE.

ASSAYER: D. Toye DEAN TOYE OR TOM SAUNDRY. CERTIFIED B.C. ASSAYER

ISLAND MINING PROJECT - AFI FILE # 85-2538

SAMPLE#	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
4200N 1700E	8	29	.3	7	4	3
4200N 1750E	6	47	.1	10	3	2
4200N 1800E	4	48	.1	7	3	6
4200N 1850E	6	41	.1	10	2	1
4200N 1900E	5	40	.3	9	2	4
4200N 1950E	5	46	.1	11	2	2
4200N 2000E	12	46	.2	7	2	6
4200N 2050E	9	45	.1	10	2	285
4200N 2100E	9	45	.2	9	2	14
4200N 2150E	10	41	.2	9	3	2
4200N 2200E	15	61	.1	11	2	2
4200N 2250E	12	52	.2	13	3	3
4200N 2300E	10	62	.2	12	2	3
4150N 1700E	7	38	.1	5	2	1
4150N 1750E	8	42	.1	10	2	50
4150N 1800E	10	37	.2	8	2	1
4150N 1850E	6	56	.1	11	2	2
4150N 1900E	12	51	.1	10	2	1
4150N 1950E	10	50	.1	12	2	1
4150N 2000E	12	46	.2	8	2	3
4150N 2050E	6	43	.1	7	2	1
4150N 2100E	5	49	.1	8	2	2
4150N 2150E	4	31	.1	5	2	3
4150N 2200E	11	47	.1	12	2	1
4150N 2250E	7	46	.1	13	2	6
4150N 2300E	10	85	.1	12	2	4
4100N 1700E	9	43	.1	9	2	2
4100N 1750E	5	43	.1	7	3	1
4100N 1800E	8	46	.4	7	2	3
4100N 1850E	8	58	.1	7	2	28
4100N 1900E	8	53	.1	16	2	2
4100N 1950E	8	46	.2	7	2	3
4100N 2000E	5	39	.1	5	2	15
4100N 2050E	12	55	.1	10	2	6
4100N 2100E	8	37	.2	6	2	3
4100N 2150E	8	40	.2	5	2	4
STD C/AU-0.5	40	135	7.1	38	15	515

SAMPLE#	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
4100N 2200E	13	50	.1	12	2	14
4100N 2250E	3	48	.1	12	2	21
4100N 2300E	16	84	.2	11	4	3
4050N 1700E	5	39	.2	4	2	2
4050N 1750E	5	43	.2	8	2	1
4050N 1800E	11	52	.1	5	2	1
4050N 1850E	6	45	.3	10	2	2
4050N 1900E	18	77	.4	44	5	1
4050N 1950E	19	80	.6	41	2	1
4050N 2000E	13	51	.3	14	2	1
4050N 2050E	7	43	.4	10	2	1
4050N 2100E	12	53	.3	14	2	1
4050N 2150E	5	39	.2	8	2	1
4050N 2200E	7	43	.2	9	2	1
4050N 2250E	24	88	.2	17	2	1
4050N 2300E	19	126	.3	14	2	1
4000N 1700E	4	36	.2	2	2	1
4000N 1750E	4	31	.1	7	2	2
4000N 1800E	4	41	.1	6	2	1
4000N 1850E	6	45	.2	8	2	9
4000N 1900E	15	76	.4	32	4	1
4000N 1950E	16	81	.4	34	2	1
4000N 2000E	14	56	.2	15	2	1
4000N 2050E	6	41	.4	18	2	1
4000N 2100E	5	37	.1	3	2	2
4000N 2150E	2	48	.1	11	2	6
4000N 2200E	6	101	.1	15	2	2
4000N 2250E	9	61	.2	9	2	1
4000N 2300E	16	79	.3	12	2	1
3950N 1700E	10	44	.3	8	3	1
3950N 1750E	8	44	.2	6	2	1
3950N 1800E	14	48	.4	19	2	2
3950N 1850E	10	50	.2	8	2	1
3950N 1900E	9	52	.2	13	2	3
3950N 1950E	12	67	.1	30	2	1
3950N 2000E	6	58	.3	18	2	3
STD C/AU-0.5	41	139	7.2	37	15	490

SAMPLE#	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
3950N 2050E	6	37	.3	6	2	3
3950N 2100E	7	48	.1	6	2	4
3950N 2150E	8	57	.3	9	5	1
3950N 2200E	5	65	.2	14	3	1
3950N 2250E	6	61	.1	12	2	1
3950N 2300E	5	20	.3	2	2	1
3900N 1700E	9	45	.3	5	3	1
3900N 1750E	5	36	.5	6	4	1
3900N 1800E	19	47	.7	19	5	1
3900N 1850E	5	55	.2	14	2	1
3900N 1900E	6	59	.1	12	2	2
3900N 1950E	9	82	.3	47	2	1
3900N 2000E	4	54	.1	15	2	1
3900N 2050E	4	32	.1	6	3	1
3900N 2100E	10	47	.1	14	2	2
3900N 2150E	11	53	.2	14	2	6
3900N 2200E	9	72	.2	11	2	2
3900N 2250E	9	58	.2	6	2	1
3900N 2300E	10	72	.1	8	2	2
3850N 1700E	6	56	.3	3	2	1
3850N 1750E	4	40	.1	5	2	1
3850N 1800E	6	49	.1	8	2	3
3850N 1850E	4	28	.3	5	2	1
3850N 1900E	6	88	.3	23	2	1
3850N 1950E	7	73	.3	31	2	1
3850N 2000E	9	72	.1	16	2	18
3850N 2050E	6	47	.2	17	2	1
3850N 2100E	7	45	.1	20	2	2
3850N 2150E	9	48	.2	16	2	1
3850N 2200E	14	52	.1	11	2	24
3850N 2250E	9	51	.1	5	2	1
3850N 2300E	14	71	.2	10	2	1
3800N 1700E	3	54	.1	2	2	1
3800N 1750E	5	45	.2	4	2	1
3800N 1800E	8	50	.1	5	2	1
3800N 1850E	8	68	.3	39	2	1
STD C/AU-0.5	41	135	7.1	38	15	495

SAMPLE#	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
3800N 1900E	14	74	.3	40	3	3
3800N 1950E	15	74	.5	26	2	1
3800N 2000E	13	49	.4	11	2	1
3800N 2050E	18	63	.4	16	2	1
3800N 2100E	16	59	.4	38	3	1
3800N 2150E	12	34	.4	9	2	1
3800N 2200E	14	59	.4	27	2	2
3800N 2250E	15	46	.2	11	2	1
3800N 2300E	13	58	.4	19	2	1
3750N 1700E	8	68	.3	4	2	1
3750N 1750E	3	61	.5	12	3	1
3750N 1800E	16	47	.1	10	3	2
3750N 1850E	19	58	.6	12	2	1
3750N 1900E	13	81	.2	26	2	1
3750N 1950E	15	65	.2	9	2	1
3750N 2000E	4	54	.4	17	2	1
3750N 2050E	10	49	.3	22	2	2
3750N 2100E	15	76	.2	28	2	1
3750N 2150E	14	78	.4	46	2	1
3750N 2200E	7	65	.4	11	2	1
3750N 2250E	13	85	.4	24	2	2
3750N 2300E	9	70	.1	22	2	3
3700N 1700E	4	62	.6	2	2	1
3700N 1750E	2	52	.3	7	2	1
3700N 1800E	5	43	.5	7	2	1
3700N 1850E	9	50	.5	5	2	2
3700N 1900E	9	31	.5	3	2	1
3700N 2000E	13	54	.5	22	2	4
3700N 2050E	11	47	.3	13	2	2
3700N 2100E	9	75	.4	35	2	3
3700N 2150E	5	84	.4	21	3	2
3700N 2200E	19	79	.5	19	2	1
3700N 2250E	11	61	.3	14	2	1
3700N 2300E	8	55	.5	8	2	2
3650N 1700E	8	35	.4	6	2	1
3650N 1750E	8	50	.3	6	3	2
STD C/AU-0.5	39	133	7.1	41	15	510

SAMPLE#	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
3650N 1800E	6	46	.1	7	4	1
3650N 1850E	12	61	.1	9	2	3
3650N 1900E	18	50	.1	10	5	5
3650N 1950E	10	30	.2	7	3	1
3650N 2000E	9	42	.1	4	2	3
3650N 2050E	12	64	.1	20	2	4
3650N 2100E	4	36	.1	4	2	1
3650N 2150E	11	72	.1	15	2	4
3650N 2200E	12	71	.1	16	2	3
3650N 2250E	7	47	.1	2	3	1
3650N 2300E	10	63	.2	35	2	7
3600N 1700E	5	35	.1	4	3	1
3600N 1750E	3	43	.2	3	2	1
3600N 1800E	4	38	.1	7	3	2
3600N 1850E	7	50	.1	5	2	3
3600N 1900E	4	57	.3	5	3	2
3600N 1950E	18	73	.2	17	2	1
3600N 2000E	5	63	.1	18	2	13
3600N 2050E	5	40	.1	5	2	2
3600N 2100E	4	53	.1	3	2	2
3600N 2150E	13	62	.2	28	2	3
3600N 2200E	9	69	.1	18	2	1
3600N 2250E	10	71	.1	22	2	3
3600N 2300E	14	101	.1	35	2	1
3550N 1700E	7	36	.1	3	2	1
3550N 1750E	5	34	.1	5	2	1
3550N 1800E	9	35	.2	2	2	2
3550N 1850E	7	40	.2	2	2	1
3550N 1900E	10	33	.1	2	2	1
3550N 1950E	8	56	.1	10	2	4
3550N 2000E	7	48	.3	8	2	2
3550N 2050E	9	44	.2	10	2	2
3550N 2100E	12	49	.1	13	2	1
3550N 2150E	10	56	.3	13	2	1
3550N 2200E	9	69	.3	18	2	2
3550N 2250E	15	86	.1	12	4	3
3550N 2300E	18	84	.1	24	2	24
STD C/AU-0.5	38	135	7.0	40	15	520

SAMPLE#	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
3500N 1700E	3	31	.4	4	2	1
3500N 1750E	2	33	.2	4	2	1
3500N 1800E	5	32	.2	6	2	2
3500N 1850E	8	39	.3	7	2	1
3500N 1900E	4	39	.1	5	3	1
3500N 1950E	7	45	.1	6	2	1
3500N 2000E	10	45	.1	6	2	1
3500N 2050E	4	50	.2	7	2	1
3500N 2100E	9	70	.2	20	2	1
3500N 2150E	13	50	.4	14	2	8
3500N 2200E	12	75	.5	14	2	1
3500N 2250E	13	80	.3	35	2	2
3500N 2300E	9	55	.2	25	2	1
3450N 1700E	7	55	.1	7	3	1
3450N 1750E	12	67	.3	11	2	1
3450N 1800E	4	34	.5	6	2	4
3450N 1850E	6	56	.2	6	2	12
3450N 1900E	8	47	.3	7	2	4
3450N 1950E	9	62	.7	14	2	2
3450N 2000E	6	44	.3	6	2	1
3450N 2050E	10	42	.3	4	3	4
3450N 2100E	8	46	.3	7	2	2
3450N 2150E	8	38	.4	4	2	1
3450N 2200E	10	60	.4	14	2	2
3450N 2250E	12	85	.2	17	2	4
3450N 2300E	7	34	.4	8	2	2
3400N 1700E	10	50	.4	6	2	8
3400N 1750E	5	51	.3	4	2	1
3400N 1800E	6	41	.3	6	2	4
3400N 1850E	11	38	.2	9	2	1
3400N 1900E	11	53	.3	7	2	2
3400N 1950E	11	47	.5	10	2	1
3400N 2000E	11	48	.6	12	2	1
3400N 2050E	13	55	.4	15	2	2
3400N 2100E	12	51	.6	12	2	1
3400N 2150E	9	37	.5	7	2	1
STD C/AU-0.5	39	137	7.0	39	15	510

SAMPLE#	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
3400N 2200E	12	80	.2	16	2	2
3400N 2250E	8	65	.3	13	2	6
3400N 2300E	10	71	.1	22	2	4
3350N 1700E	4	50	.1	8	3	2
3350N 1750E	8	56	.4	8	2	1
3350N 1800E	8	51	.1	7	2	1
3350N 1850E	9	46	.3	8	2	2
3350N 1900E	10	48	.1	6	2	1
3350N 1950E	10	48	.1	18	2	1
3350N 2000E	8	40	.1	8	2	4
3350N 2050E	11	56	.4	10	2	1
3350N 2100E	9	57	.1	14	3	1
3350N 2150E	13	57	.5	24	2	1
3350N 2200E	9	56	.1	10	2	1
3350N 2250E	13	62	.2	14	2	2
3350N 2300E	10	64	.1	17	3	3
3300N 1700E	7	39	.2	4	2	115
3300N 1750E	8	36	.1	6	2	1
3300N 1800E	8	42	.1	5	2	10
3300N 1850E	7	44	.1	3	2	1
3300N 1900E	18	18	.2	5	2	1
3300N 1950E	8	42	.1	7	2	1
3300N 2000E	9	48	.1	9	2	1
3300N 2050E	10	37	.1	9	3	3
3300N 2100E	13	59	.2	9	2	2
3300N 2150E	16	69	.2	13	2	1
3300N 2200E	10	51	.2	10	2	2
3300N 2250E	19	52	.2	15	2	1
3300N 2300E	15	73	.2	12	2	3
3250N 1700E	10	53	.1	8	2	1
3250N 1750E	10	41	.1	5	2	1
3250N 1800E	11	57	.1	6	2	2
3250N 1850E	11	42	.1	6	2	1
3250N 1900E	10	37	.1	6	2	1
3250N 1950E	15	48	.1	7	2	3
3250N 2000E	11	54	.1	9	3	1
STD C/AU-0.5	40	137	7.0	39	15	495

SAMPLE#	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
3250N 2050E	11	41	.1	9	2	3
3250N 2100E	13	74	.4	14	3	1
3250N 2150E	9	36	.1	8	2	3
3250N 2200E	12	47	.1	11	2	2
3250N 2250E	9	39	.1	8	2	5
3250N 2300E	8	35	.3	8	2	2
3200N 1700E	13	47	.1	7	6	2
3200N 1750E	7	55	.1	8	4	1
3200N 1800E	5	34	.1	4	2	6
3200N 1850E	12	39	.1	4	5	3
3200N 1900E	12	55	.1	7	2	2
3200N 1950E	4	42	.1	7	4	2
3200N 2100E	10	60	.2	5	4	1
3200N 2150E	12	34	.1	6	2	1
3200N 2200E	9	34	.1	8	2	4
3200N 2250E	10	39	.1	5	2	1
3200N 2300E	8	35	.1	7	2	4
3150N 1700E	12	60	.2	7	2	2
3150N 1750E	12	50	.2	7	2	3
3150N 1800E	8	44	.1	7	2	2
3150N 1850E	7	51	.1	7	2	3
3150N 1900E	5	43	.1	7	2	2
3150N 1950E	9	43	.1	8	2	2
3150N 2000E	14	43	.1	6	2	5
3150N 2050E	12	34	.2	6	2	9
3150N 2100E	8	42	.1	6	2	2
3150N 2150E	8	40	.1	8	2	2
3150N 2200E	10	43	.1	7	2	2
3150N 2250E	9	37	.1	7	2	7
3150N 2300E	10	48	.1	6	2	1
3100N 1700E	15	60	.1	12	2	1
3100N 1750E	8	64	.1	4	2	2
3100N 1800E	12	48	.1	4	2	1
3100N 1850E	14	53	.1	3	2	2
3100N 1900E	11	39	.1	8	2	1
3100N 1950E	13	43	.1	6	2	42
STD C/AU-0.5	39	132	7.2	38	15	485

SAMPLE#	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
3100N 2000E	8	28	.1	6	2	3
3100N 2050E	7	27	.1	5	2	1
3100N 2100E	9	43	.1	10	2	1
3100N 2150E	5	12	.1	3	2	1
3100N 2200E	9	45	.1	7	2	2
3100N 2250E	8	40	.1	9	3	4
3100N 2300E	12	44	.3	6	2	12
3050N 1700E	10	62	.1	6	2	1
3050N 1750E	9	54	.1	6	2	2
3050N 1800E	12	49	.1	7	2	1
3050N 1850E	12	47	.1	10	2	2
3050N 1900E	8	41	.1	7	2	1
3050N 1950E	9	44	.1	7	2	2
3050N 2000E	14	55	.1	8	2	1
3050N 2050E	13	56	.2	9	2	3
3050N 2100E	7	32	.1	4	2	1
3050N 2150E	6	36	.1	7	2	1
3050N 2200E	5	33	.1	8	2	2
3050N 2250E	16	48	.1	6	2	18
3050N 2300E	9	35	.2	9	2	12
3000N 1700E	13	51	.1	6	2	2
3000N 1750E	8	49	.1	5	2	1
3000N 1800E	11	53	.1	7	2	1
3000N 1850E	7	44	.1	8	2	3
3000N 1900E	14	47	.1	4	2	1
3000N 1950E	8	38	.1	4	2	2
3000N 2000E	10	44	.1	7	4	1
3000N 2050E	9	36	.1	7	2	1
3000N 2100E	10	39	.1	7	2	1
3000N 2150E	6	37	.1	7	2	1
3000N 2200E	11	70	.1	8	2	2
3000N 2250E	14	65	.1	9	2	2
3000N 2300E	6	46	.1	2	2	1
2950N 1700E	10	44	.1	5	2	21
2950N 1750E	7	27	.2	6	2	1
2950N 1800E	8	46	.1	5	2	2
STD C/AU-0.5	41	137	7.1	38	15	500

SAMPLE#	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
2950N 1850E	7	49	.1	8	.2	7
2950N 1900E	9	48	.1	6	2	2
2950N 1950E	10	47	.2	5	2	1
2950N 2000E	9	45	.1	5	2	1
2950N 2050E	13	60	.4	12	2	1
2950N 2100E	5	39	.1	6	2	1
2950N 2150E	10	44	.1	8	2	1
2950N 2200E	13	43	.1	9	2	3
2950N 2250E	10	65	.2	12	2	3
2950N 2300E	7	40	.2	6	2	1
2900N 1700E	12	71	.2	9	2	1
2900N 1750E	10	74	.3	6	2	1
2900N 1800E	7	51	.1	5	2	2
2900N 1850E	11	55	.1	8	2	1
2900N 1900E	12	50	.1	9	2	2
2900N 1950E	8	45	.1	4	2	1
2900N 2000E	6	37	.4	5	2	1
2900N 2050E	10	47	.1	14	2	12
2900N 2100E	22	124	.3	19	2	4
2900N 2150E	9	72	.1	7	2	3
2900N 2200E	9	49	.2	6	2	1
2900N 2250E	12	47	.3	10	3	1
2900N 2300E	9	36	.1	4	2	1
2850N 1700E	9	50	.1	7	2	1
2850N 1750E	7	43	.1	3	2	2
2850N 1800E	7	50	.3	7	2	1
2850N 1850E	6	54	.3	7	2	2
2850N 1900E	11	67	.1	9	2	1
2850N 1950E	4	50	.1	8	4	3
2850N 2000E	3	55	.1	9	2	1
2850N 2050E	6	58	.2	13	2	1
2850N 2100E	13	41	.1	6	2	1
2850N 2150E	9	70	.1	9	3	1
2850N 2200E	12	50	.1	10	2	1
2850N 2250E	10	58	.1	8	3	1
2850N 2300E	4	45	.1	7	2	1
STD C/AU-0.5	40	136	7.1	38	16	505

SAMPLE#	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
2800N 1700E	11	59	.1	16	2	2
2800N 1750E	9	41	.1	6	3	2
2800N 1800E	10	48	.1	7	2	8
2800N 1850E	12	50	.1	8	2	4
2800N 1900E	10	43	.3	8	2	3
2800N 1950E	8	47	.1	9	3	13
2800N 2000E	10	64	.1	15	2	3
2800N 2050E	15	87	.3	11	2	1
2800N 2100E	8	52	.1	7	3	2
2800N 2150E	6	52	.2	6	2	1
2800N 2200E	12	66	.2	12	2	2
2800N 2250E	14	54	.4	8	2	2
2800N 2300E	10	49	.1	8	2	1
2750N 1700E	8	59	.1	9	4	4
2750N 1750E	6	54	.1	10	2	4
2750N 1800E	9	43	.1	6	2	1
2750N 1850E	7	53	.1	7	2	8
2750N 1950E	12	96	.1	17	2	3
2750N 2000E	9	61	.1	10	2	2
2750N 2050E	8	63	.2	14	2	1
2750N 2100E	10	43	.1	7	2	1
2750N 2150E	10	52	.5	13	2	1
2750N 2200E	11	52	.1	10	3	3
2750N 2250E	12	63	.2	9	2	4
2750N 2300E	11	42	.1	8	2	5
2700N 1700E	8	60	.1	8	2	4
2700N 1750E	7	56	.1	8	2	10
2700N 1800E	10	54	.1	6	2	4
2700N 1850E	14	58	.3	11	3	9
2700N 1900E	13	68	.1	9	3	5
2700N 1950E	10	53	.1	10	2	8
2700N 2000E	10	71	.1	8	2	4
2700N 2050E	12	36	.1	8	2	1
2700N 2100E	10	55	.1	10	2	2
2700N 2150E	13	67	.2	12	2	1
2700N 2200E	16	90	.3	8	2	1
STD C/AU-0.5	40	136	7.1	39	15	510

SAMPLE#	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
2700N 2250E	11	70	.3	5	2	120
2700N 2300E	6	37	.1	10	4	4
2650N 1700E	10	56	.1	5	2	1
2650N 1750E	6	51	.1	5	2	3
2650N 1800E	8	49	.1	4	2	4
2650N 1850E	9	53	.1	9	2	3
2650N 1900E	7	48	.2	7	2	2
2650N 1950E	6	53	.2	12	2	4
2650N 2000E	9	56	.1	12	2	3
2650N 2050E	23	91	.1	27	3	2
2650N 2100E	7	49	.1	16	2	1
2650N 2150E	9	52	.1	9	2	1
2650N 2200E	12	45	.2	6	2	2
2650N 2250E	6	57	.1	5	2	1
2650N 2300E	9	42	.1	8	2	55
2600N 1700E	11	70	.1	6	2	6
2600N 1750E	14	65	.1	5	2	5
2600N 1800E	10	59	.1	5	2	6
2600N 1850E	9	56	.1	7	2	4
2600N 1900E	6	57	.1	6	2	3
2600N 1950E	13	51	.1	6	2	95
2600N 2000E	16	62	.2	17	2	3
2600N 2050E	19	78	.1	47	2	5
2600N 2100E	14	80	.1	29	2	7
2600N 2150E	13	74	.1	8	2	3
2600N 2200E	8	38	.1	4	2	2
2600N 2250E	10	44	.1	7	2	1
2600N 2300E	10	64	.2	8	2	4
2550N 1700E	12	60	.1	6	2	1
2550N 1750E	12	70	.3	7	2	250
2550N 1800E	4	60	.2	6	2	3
2550N 1850E	12	48	.1	7	2	1
2550N 1900E	12	48	.1	8	2	1
2550N 1950E	11	60	.2	13	2	5
2550N 2000E	12	48	.3	8	2	4
2550N 2050E	35	109	.3	54	6	5
STD C/AU-0.5	39	136	7.4	38	15	505

SAMPLE#	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
2550N 2100E	32	108	.1	51	2	5
2550N 2150E	13	88	.1	11	5	2
2550N 2200E	19	74	.1	13	2	1
2550N 2250E	8	59	.1	7	4	3
2550N 2300E	14	74	.3	10	2	1
2500N 1750E	15	81	.1	7	2	3
2500N 1800E	6	63	.1	7	2	4
2500N 1850E	6	57	.1	7	4	7
2500N 1900E	12	66	.1	8	2	31
2500N 1950E	10	55	.1	13	2	1
2500N 2000E	9	56	.1	12	2	7
2500N 2050E	47	65	.1	40	2	2
2500N 2100E	13	42	.1	7	2	1
2500N 2150E	10	53	.1	12	2	3
2500N 2200E	7	49	.1	11	2	1
2500N 2250E	25	137	.5	43	3	4
2500N 2300E	30	172	.6	32	2	2
2450N 1700E	18	117	.4	22	2	3
2450N 1750E	9	60	.3	7	4	3
2450N 1800E	8	62	.2	5	2	1
2450N 1850E	8	61	.2	5	2	2
2450N 1900E	6	55	.1	5	2	1
2450N 1950E	11	71	.1	18	2	2
2450N 2000E	7	61	.1	17	2	1
2450N 2050E	6	54	.3	16	2	4
2450N 2100E	7	41	.1	12	2	5
2450N 2150E	13	61	.1	10	3	1
2450N 2200E	17	103	.1	15	2	3
2450N 2250E	14	68	.2	11	2	1
2450N 2300E	21	133	.1	23	2	2
2400N 1700E	29	108	.1	10	2	4
2400N 1750E	5	49	.2	5	2	7
2400N 1800E	5	54	.1	8	2	2
2400N 1850E	7	72	.1	7	2	1
2400N 1900E	7	69	.1	6	2	3
2400N 1950E	7	58	.1	8	2	2
STD C/AU-0.5	40	137	7.1	40	15	500

SAMPLE#	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
2400N 2000E	15	98	.1	14	2	2
2400N 2050E	11	56	.1	25	2	40
2400N 2100E	8	48	.2	13	2	5
2400N 2150E	8	52	.2	9	2	6
2400N 2200E	9	52	.1	9	2	3
2400N 2250E	12	75	.2	8	2	2
2400N 2300E	4	63	.1	10	2	165
2350N 1700E	8	51	.1	6	2	34
2350N 1750E	10	52	.3	7	2	6
2350N 1800E	6	49	.1	5	2	4
2350N 1850E	7	60	.2	6	2	5
2350N 1900E	11	73	.1	5	2	2
2350N 1950E	12	57	.1	17	2	1
2350N 2000E	8	61	.1	20	2	4
2350N 2050E	7	66	.1	11	2	7
2350N 2100E	8	59	.2	13	2	2
2350N 2150E	8	54	.1	11	2	2
2350N 2200E	7	62	.1	7	2	1
2350N 2250E	8	50	.2	7	2	2
2350N 2300E	8	42	.1	4	2	1
2300N 1700E	11	53	.1	7	2	11
2300N 1750E	2	52	.2	6	2	3
2300N 1800E	7	53	.1	10	2	1
2300N 1850E	6	59	.2	7	3	1
2300N 1900E	11	39	.1	7	2	1
2300N 1950E	8	35	.1	11	2	1
2300N 2000E	4	52	.1	8	2	2
2300N 2050E	11	52	.1	14	2	2
2300N 2100E	4	46	.1	12	2	3
2300N 2150E	10	68	.1	4	2	4
2300N 2200E	5	58	.1	5	2	1
2300N 2250E	3	19	.1	2	2	1
2300N 2300E	7	48	.1	10	2	1
2250N 1700E	7	57	.2	6	2	3
2250N 1750E	5	51	.1	4	2	1
2250N 1800E	11	58	.1	9	2	14
STD C/AU-0.5	41	130	7.1	38	15	510

SAMPLE#	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
2250N 1850E	10	68	.3	19	3	4
2250N 1900E	6	39	.2	14	3	3
2250N 1950E	3	44	.6	6	2	1
2250N 2000E	9	43	.3	7	2	2
2250N 2050E	10	60	.5	5	2	8
2250N 2150E	10	44	.4	6	2	2
2250N 2200E	10	52	.1	7	2	1
2250N 2250E	11	45	.1	6	2	2
2250N 2300E	10	57	.1	9	2	2
2200N 1700E	9	66	.2	12	2	4
2200N 1750E	5	68	.5	15	2	3
2200N 1800E	7	58	.5	9	4	3
2200N 1850E	7	66	.1	14	2	1
2200N 1900E	5	48	.1	20	3	2
2200N 1950E	5	69	.5	13	2	3
2200N 2000E	6	65	.5	10	4	1
2200N 2050E	8	55	.4	6	2	2
2200N 2100E	9	60	.2	5	2	3
2200N 2150E	4	52	.3	9	4	1
2200N 2200E	4	41	.1	6	2	2
2200N 2250E	7	51	.1	5	2	1
2200N 2300E	9	69	.3	2	2	1
2150N 1700E	6	57	.5	16	4	3
2150N 1750E	5	62	.2	14	2	2
2150N 1800E	2	55	.2	20	2	8
2150N 1850E	5	51	.1	19	2	3
2150N 1900E	5	51	.4	18	2	4
2150N 1950E	5	52	.5	18	2	5
2150N 2000E	12	30	.6	18	2	1
2150N 2050E	12	113	.8	11	2	6
2150N 2100E	13	61	.5	9	2	1
2150N 2150E	12	70	.7	13	2	1
2150N 2200E	6	50	.7	8	2	1
2150N 2250E	10	45	.3	5	2	2
2150N 2300E	8	47	.6	6	3	3
STD C/AU-0.5	40	134	7.2	39	16	520

SAMPLE#	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
2100N 1750E	10	55	.1	12	2	7
2100N 1800E	13	42	.2	8	4	16
2100N 1850E	11	45	.1	8	2	5
2100N 1900E	18	43	.1	20	5	1
2100N 1950E	6	82	.2	10	5	4
2100N 2000E	10	82	.1	4	2	5
2100N 2050E	9	37	.1	19	2	2
2100N 2100E	10	51	.1	9	2	1
2100N 2150E	11	31	.1	7	2	8
2100N 2200E	13	51	.1	9	2	7
2100N 2250E	10	48	.1	6	2	2
2100N 2300E	11	49	.1	4	2	6
2050N 1750E	9	36	.3	5	2	1
2050N 1800E	7	39	.1	6	3	1
2050N 1850E	13	45	.1	28	2	2
2050N 1900E	5	28	.2	3	2	1
2050N 1950E	3	45	.1	5	4	2
2050N 2050E	6	47	.4	5	2	1
2050N 2100E	6	37	.1	4	2	3
2050N 2150E	8	53	.1	9	2	6
2050N 2200E	4	39	.1	5	2	4
2050N 2250E	10	61	.2	9	2	5
2050N 2300E	10	44	.1	9	2	3
STD C/AU-0.5	38	134	7.1	40	15	495

SAMPLE#	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
L3-853001	8	35	.1	5	2	4
L3-853002	9	49	.1	8	2	1
L3-853003	10	36	.2	13	2	1
L3-853004	9	41	.1	13	2	1
L3-853005	14	51	.1	23	2	1
L3-853006	10	50	.1	37	2	1
L3-853007	14	64	.1	45	2	2
L3-853008	13	35	.4	32	4	1
L3-853009	17	58	.2	39	5	3
L3-853010	17	61	.1	36	2	2
L3-853011	14	64	.4	64	2	1
L3-853012	9	55	.6	70	2	1
L3-853013	22	105	.4	77	2	1
L3-853014	2	70	.2	27	3	2
L3-853015	13	55	.5	171	2	1
L3-853016	8	30	.4	993	7	6
L3-853017	18	69	.1	221	2	2
L3-853018	19	214	.6	453	2	1
L3-853019	19	257	.3	124	2	1
L3-853020	9	88	.2	8	2	1
L3-853021	7	39	.2	13	2	1
L3-853022	21	147	.4	14	2	1
L3-853023	3	21	.2	6	2	1
L3-853024	13	50	.1	9	2	1
L3-853025	11	38	.2	21	2	1
L3-853026	11	51	.3	9	2	1
L3-853027	17	49	.2	13	3	225
L3-853028	24	118	.1	9	2	1
L3-853029	11	88	.3	10	2	1
L3-853030	10	50	.1	4	2	1
L3-853031	20	64	.3	31	2	1
L3-853032	92	89	1.6	35	2	6
L3-853033	18	137	.1	8	2	1
L3-853034	28	35	.1	14	2	1
L3-853035	10	71	.1	47	2	1
L3-853036	10	74	.4	8	2	2
STD C/AU-0.5	40	134	7.2	39	16	500

SAMPLE#	Pb PPM	Zn PPM	Ag PPM	As PPM	Sb PPM	Au* PPB
L3-853037	23	280	.5	6	2	3
L3-853038	26	211	.5	22	2	2
L3-853039	18	76	.2	28	3	2
L3-853040	18	60	.2	11	2	1
L3-853041	18	387	.3	21	2	1
L3-853042	15	149	.5	14	3	1
L3-853043	11	147	.4	7	2	1
L3-853044	3	247	.1	5	2	1
L3-853045	13	84	.1	8	3	2
L3-853046	6	32	.1	6	2	1
L3-853047	15	50	.1	6	3	3

APPENDIX B

STATUTORY DECLARATION

STATUTORY DECLARATION

CANADA)
)
)
TO WIT-)

In the matter of a geological and geochemical report on behalf of Island Mining and Explorations Co. Ltd.

I, Carl G. Verley, agent for Amerlin Exploration Services Ltd. of 422-470 Granville Street, Vancouver. B.C. V6C 1V5

do solemnly declare - that geological mapping and geochemical sampling were conducted on the AFI 183 to 266, 273 to 282, 289, 290 mineral claims, Whitehorse Mining District, Yukon, during the period August 26 to September 15, 1985. Expenditures for this work include:

Salaries, management fees, consulting		$3.000.00
Helicopter support		5.766.75
Assay and analytical		5.025.19
Grid preparation. sampling and surveying		5.750.00
Lodging		41.90
Freight		278.40
Fuel		43.45
Telephone		6.86
Report preparartion: drafting		600.00
photocopying		30.00
word processing		100.00
	TOTAL	$20.642.55

And I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath and by virtue of The Canada Evidence Act.

Declared before me at VANCOUVER)
)
in the Province of B.C. this)
)
21st day of October 1985)

Carl G. Verley

M. Windy Lee

A Notary Public for B.C.

APPENDIX C

PERSONNEL

P E R S O N N E L

Mr. C. G. Verley 301 - 1867 West 3rd Avenue Vancouver, B.C. V6J 1K9	Geologist
Mr. Morley Barker 5 Teak Avenue Whitehorse, Y.T. Y1A 4W5	Surveyor
Mr. Mike Woods 5 Teak Avenue Whitehorse, Y.T. Y1A 4W5	Field Assistant
Mr. Tony Mrozinski 5 Teak Avenue Whitehorse, Y.T. Y1A 4W5	Field Assistant
Mr. Andre Jobin 5 Teak Avenue Whitehorse, Y.T. Y1A 4W5	Field Assistant
Mr. Jacques Jobin 5 Teak Avenue Whitehorse, Y.T. Y1A 4W5	Field Assistant
Mr. Michel Langlois 5 Teak Avenue Whitehorse, Y.T. Y1A 4W5	Field Assistant

APPENDIX D

WRITER'S CERTIFICATE

AMERLIN EXPLORATION SERVICES LTD.

422-470 Granville Street, Vancouver, B.C., Canada V6C 1V5 Phone (604) 689-1966

WRITER'S CERTIFICATE

I, Carl G. Verley of Vancouver, British Columbia hereby certify that:

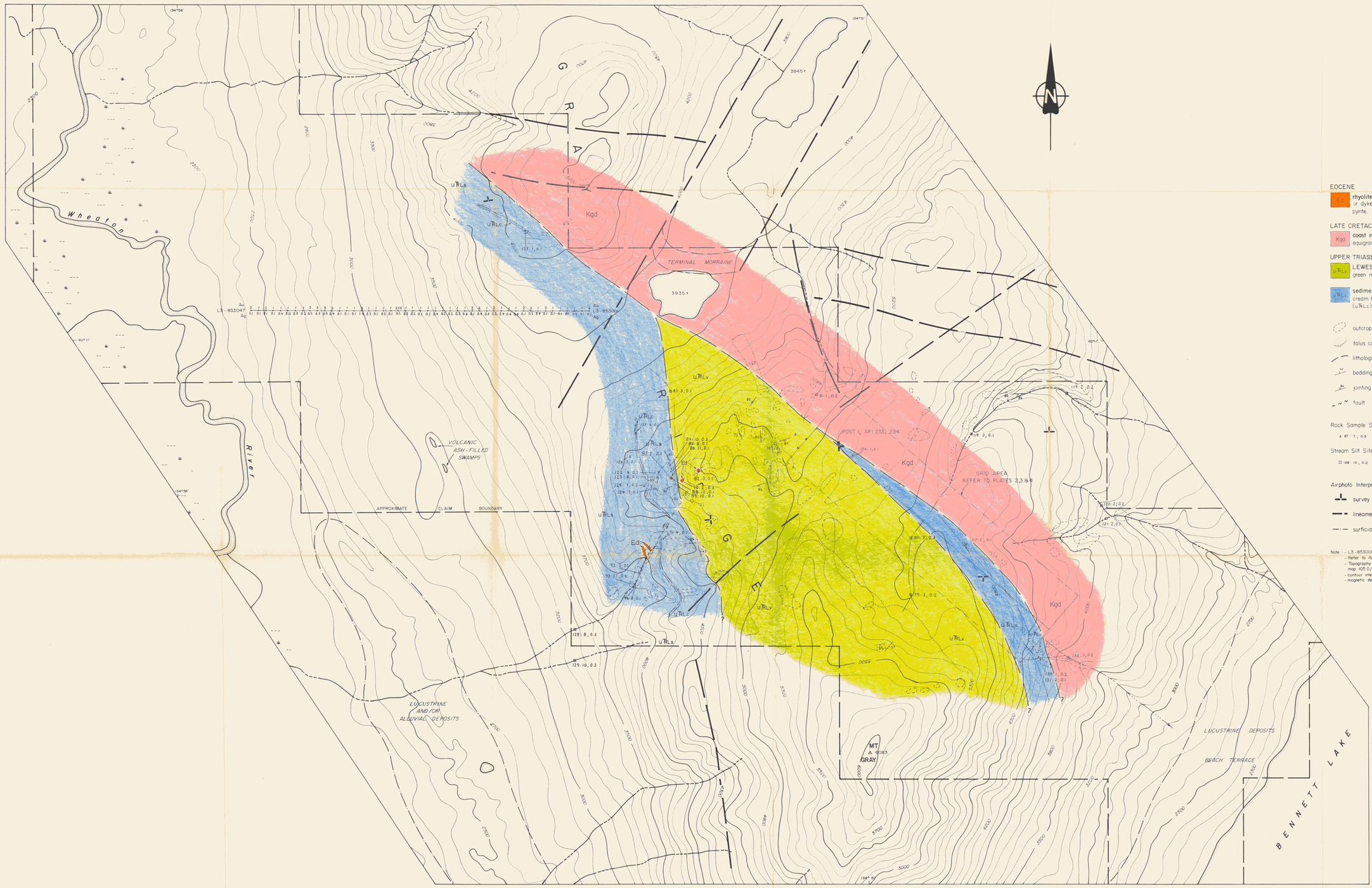
1. I am a geologist residing at 301 - 1867 West 3rd Avenue, Vancouver, B.C. and principal of Amerlin Exploration Services Ltd. 422 - 470 Granville Street, Vancouver, B.C. V6C 1V5.
2. I am a graduate of the University of British Columbia, B.Sc., in 1974. and have practised my profession since that time.
3. I am a Fellow of the Geological Association of Canada.
4. I am the author of this report which is based on work conducted by me on the AFI 183 to 296 mineral claims during the period August 26 to September 15, 1985.

Amerlin Exploration Services Ltd.

Carl G. Verley.

Carl G. Verley, F.G.A.C.

December 12, 1895.
Vancouver, B.C.



LEGEND

EOCENE

Ed — **rhyolite** - orange weathering, fine grained, leucocratic and miarolitic plugs or dykes. Contain muscovite and 1-2% disseminated fine-grained pyrite.

LATE CRETACEOUS - EARLY TERTIARY

Kgd — **coast intrusions** - granodiorite - grey weathering, recessive to blocky, equigranular biotite - hornblende bearing.

UPPER TRIASSIC

uTRLv — **LEWES RIVER GROUP** - mafic volcanics - dark brown weathering, dark green massive pyroxene porphyry flows.

uTRLs — **sediments** - rusty weathering, pyritic, thin-bedded fine clastics and cream to medium grey, mottled fine to medium crystalline limestone (uTRLc).

- outcrop distribution
- talus cover
- lithologic contact
- bedding
- jointing
- fault

Rock Sample Site :

x 87: 7; 0.3 — sample number : gold in ppb ; silver in ppm

Stream Silt Site :

□ 128: 10; 0.2 — sample number : gold in ppb ; silver in ppm

Airphoto Interpretation

- survey target
- lineament
- surficial deposits

Note :
- L3-853001 to 853047 are soil samples
- Refer to Appendix A for As, Sb, Pb and Zn values.
- Topography from Dept. of Energy, Mines and Resources : 1:50,000 scale map 105 D/2
- contour interval : 100 feet
- magnetic declination : 30°E (1985)

ISLAND MINING & EXPLORATION CO. LTD.

AIRPHOTO INTERPRETATION, GEOLOGY, Au, Ag ROCK & STREAM GEOCHEMISTRY

AFI 183 - 296 MINERAL CLAIMS

CARCROSS MAP SHEET, 105 D/2
WHITEHORSE MINING DISTRICT, YUKON TERRITORY

SCALE 1:10,000

100m 0 100 200 300 400 500 600 700 m

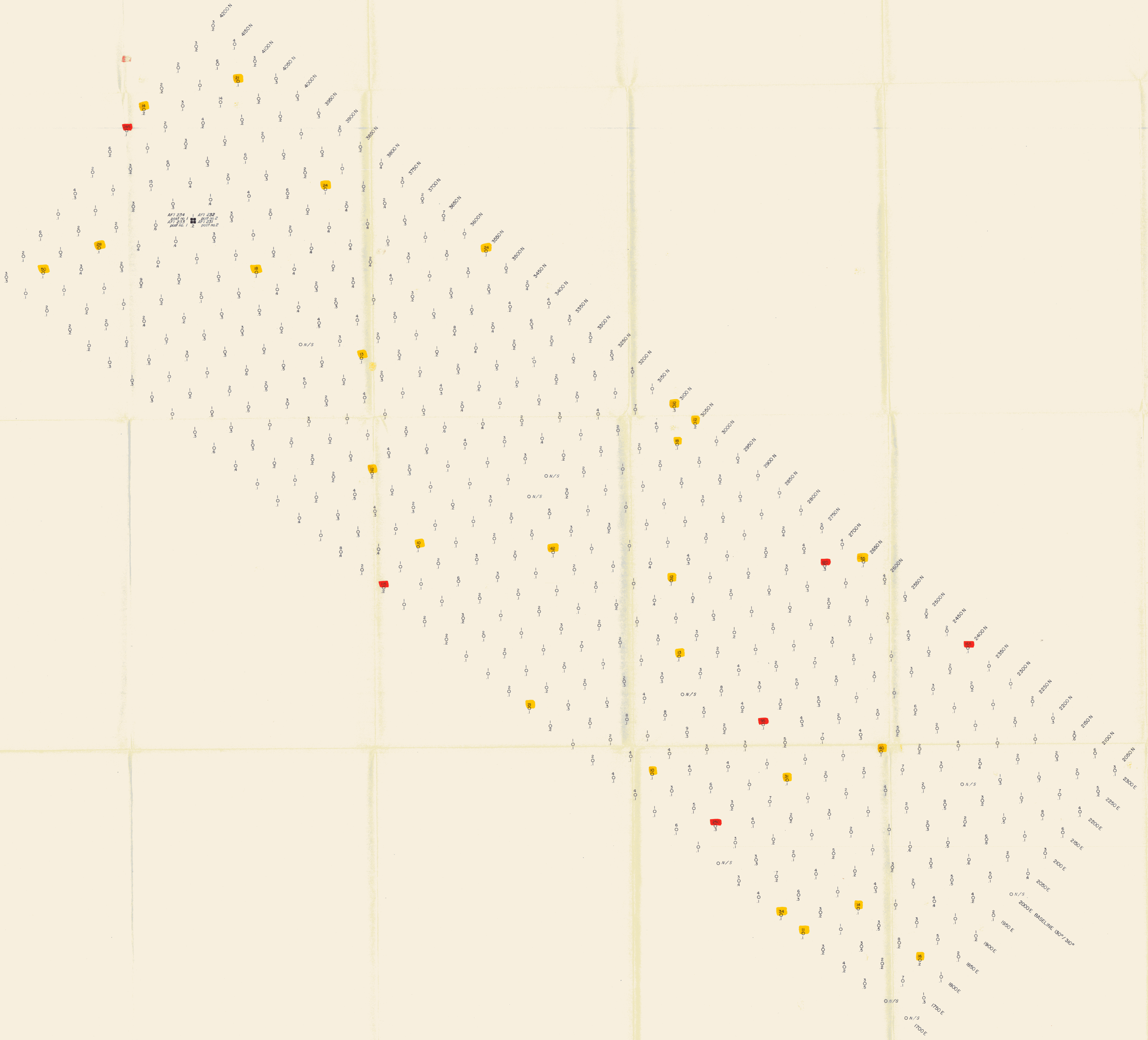
by

AMERLIN EXPLORATION SERVICES LTD.
422 - 470 Granville Street, Vancouver, B.C. V6C 1V5

JANUARY, 1986

091853

PLATE I



EXPLANATION

Au / Ag — Soil Sample Site : gold in ppb and silver in ppm

	Range*	Background	Possibly Anomalous	Anomalous
Au	1 - 285	1 - 9	10 - 59	60 +
Ag	0.1 - 1.6	0.1 - 0.9	1.0 +	-

Note : - Refer to Plate I for location of grid area with respect to topography and geology.
*Includes data from L3-853001 - L3-853047 refer to Plate I and Appendix A

ISLAND MINING & EXPLORATION CO. LTD.

Au, Ag SOIL GEOCHEMISTRY

AFI 183 - 296 MINERAL CLAIMS

CARCROSS MAP SHEET, 105 D/2
WHITEHORSE MINING DISTRICT, YUKON TERRITORY

SCALE 1:2,500

50m 0 50 100 200m

by

AMERLIN EXPLORATION SERVICES LTD.
422 - 470 Granville Street, Vancouver, B.C. V6C 1V5

091853

NOVEMBER, 1985

PLATE 2

AFI 234 post no. 1 / AFI 233 post no. 1

AFI 232 post no. 2 / AFI 231 post no. 2

N/S

2000E BASELINE 130°/310°

EXPLANATION

As / Sb — Soil Sample Site : arsenic and antimony in ppm

	Range*	Background	Possibly Anomalous	Anomalous
As	2 - 993	2 - 19	20 - 79	80 +
Sb	2 - 7	2 - 7	–	–

Note : - Refer to Plate I for location of grid area with respect to topography and geology.

*Includes data from L3 - 853001 - L3 - 853047 refer to Plate I and Appendix A

ISLAND MINING & EXPLORATION CO. LTD.

As, Sb SOIL GEOCHEMISTRY

AFI 183 - 296 MINERAL CLAIMS

CARCROSS MAP SHEET, 105 D/2
WHITEHORSE MINING DISTRICT, YUKON TERRITORY

SCALE 1:2,500

50m 0 50 100 200m

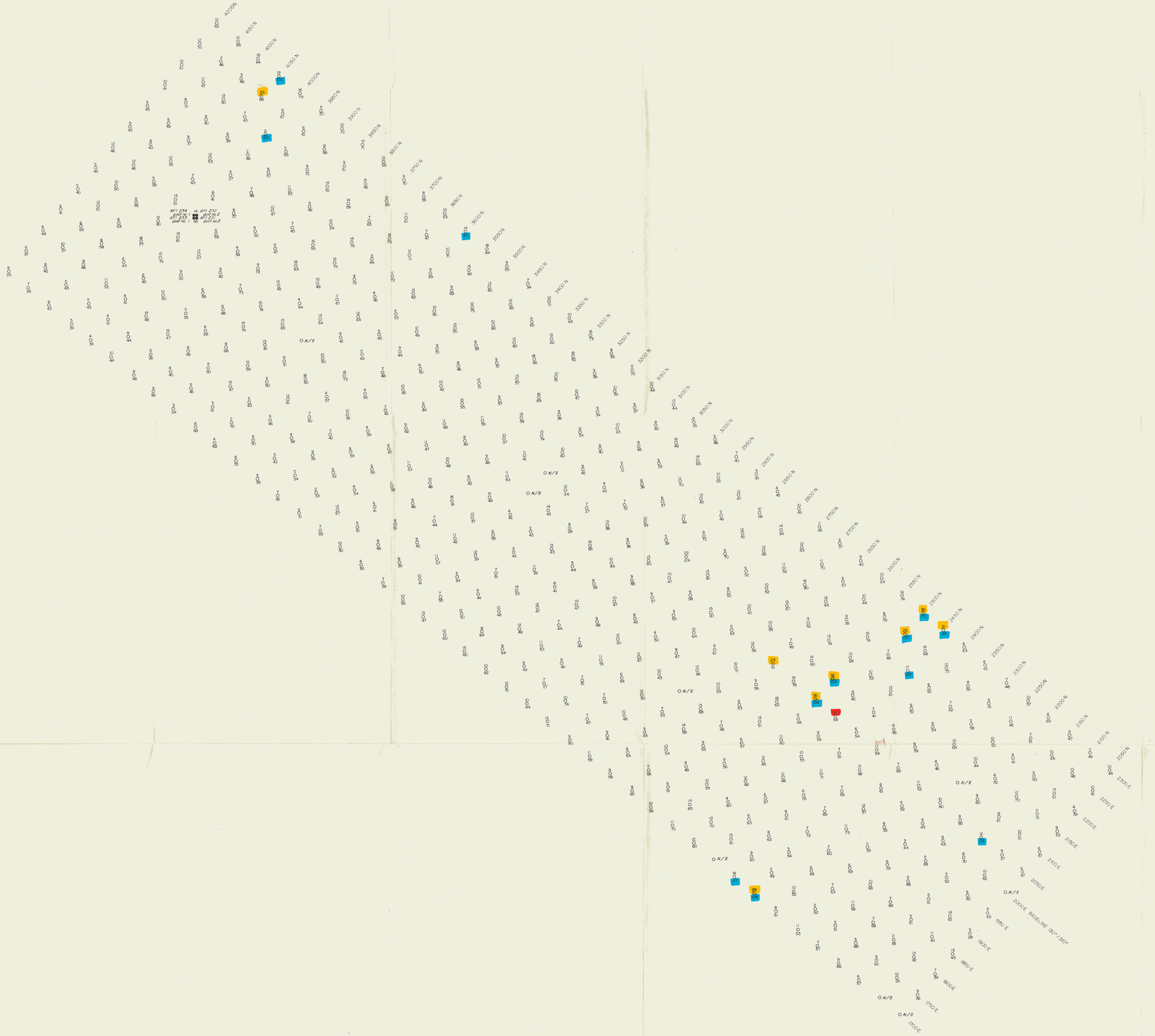
by

AMERLIN EXPLORATION SERVICES LTD.
422 - 470 Granville Street, Vancouver, B.C. V6C 1V5

NOVEMBER, 1985

091853

PLATE 3



EXPLANATION

Soil Sample Site · lead and zinc in ppm

	Range*	Background	Possibly Anomalous	Anomalous
Pb	2 - 92	2 - 19	20 - 39	40 +
Zn	12 - 387	12 - 99	100+	–

Note : - Refer to Plate I for location of grid area with respect to topography and geology.
*Includes data from L3 - 853001 - L3 - 853047 refer to Plate I and Appendix A

ISLAND MINING & EXPLORATION CO. LTD.

Pb, Zn SOIL GEOCHEMISTRY

AFI 183 - 296 MINERAL CLAIMS

CARCROSS MAP SHEET, 105 D/2
WHITEHORSE MINING DISTRICT, YUKON TERRITORY

SCALE 1:2,500

50m 0 50 100 200m

by

AMERLIN EXPLORATION SERVICES LTD.
422 - 470 Granville Street, Vancouver, B.C. V6C 1V5

NOVEMBER, 1985

091853

PLATE 4