

MAP NO.: ASSESSMENT REPORT X
105 D 8 PROSPECTUS
CONFIDENTIAL X
OPEN FILE

DOCUMENT NO: 092965
MINING DISTRICT: WHITEHORSE
TYPE OF WORK: prospecting
geochemistry

REPORT FILED UNDER: G A Reynolds
DATE PERFORMED: May-Nov, 1990 DATE FILED: July 5, 1991
LOCATION: LAT.: 60°29'N AREA: Marsh Lake
LONG.: 134°17'W VALUE \$: 600
CLAIM NAME & NO.: MIKE 1-6

WORK DONE BY: TOTAL ENERGOLD, INCO
WORK DONE FOR: G A REYNOLDS

DATE TO GOOD STANDING:	

REMARKS: THESE CLAIMS COVER AN AREA WITH EXPOSED QUARTZ-CARBONATE ALTERED ULTRAMAFICS ALONG A SPLY OFF THE MARSH LAKE FAULT. THE ALTERATION IS SIMILAR TO THAT FOUND ALONG AURIFEROUS VEINS IN THE CALIFORNIA MOTHERLODE DISTRICT. ANOMALOUS SOIL AND ROCK SAMPLES COULD LEAD TO MINERALIZATION SIMILAR TO THAT FOUND ON THE TOG PROPERTY NEAR SQUANGA LAKE.

000000

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 \$ 600.

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



ASSESSMENT REPORT

PROSPECTING,
GEOCHEMICAL SAMPLING

MIKE 1-6 CLAIMS
(YB27105-YB27110)

MARSH LAKE
N.T.S. 105 D-8
LATITUDE 60° 29' n
LONGITUDE 134° 17' w
WHITEHORSE MINING DISTRICT

MAY 15, 1990
TO
NOVEMBER 27, 1990

GARY G.A. REYNOLDS C.E.T.
WHITEHORSE, YUKON

JUNE 30, 1991

092965

DATE DUE

[Empty rectangular box for date entry]

TABLE OF CONTENTS

	PAGE
INTRODUCTION	1
PROPERTY	1
LOCATION AND ACCESS	1
PHYSIOGRAPHY, CLIMATE, VEGETATION	1
REGIONAL GEOLOGY	2
HISTORY	2
GEOLOGY AND EXPLORATION 1990	2
CONCLUSIONS AND RECOMMENDATIONS	3

LIST OF FIGURES

FIGURE 1	LOCATION MAP
FIGURE 2	CLAIM DISTRIBUTION
FIGURE 3	GEOLOGY
FIGURE 4	ROCK SAMPLE LOCATIONS
FIGURE 5	PHOTOS OF ROCK OUTCROP
FIGURE 6	SOIL GEOCHEMISTRY

LIST OF APPENDICES

APPENDIX I	STATEMENT OF EXPENDITURES
APPENDIX II	STATEMENT OF QUALIFICATIONS

INTRODUCTION

This report describes the Mike 1-6 claims located in the Marsh Lake area with particular reference to a preliminary exploration program of prospecting and geochemical rock and soil sampling carried out by Gary Reynolds, prospector and owner of the property, and Richard Bassnet and Rick Zuran of Total Energold Corporation.

PROPERTY

The Mike 1-6 claims were staked on January 13, 1990 and recorded on January 15, 1990. The Whitehorse Mining Recorder issued grant numbers YB 27105-YB 27110 for these 6 claims. These claims were staked in accordance with the Yukon Quartz Mining Act.

The location of the Mike claims with respect to local topography and adjacent mineral claims (now lapsed) is shown in Figure 2.

LOCATION AND ACCESS

The Mike claims are located about 60 km. south of Whitehorse on map sheet N.T.S. 105 D-8. Approximate geographical coordinates are $60^{\circ}29'$ North latitude and $134^{\circ}17'$ West longitude.

Access to the property from Whitehorse is by following the paved Alaska Highway South a distance of about 60 km. The Alaska Highway runs through the west part of the property. The property lies between the Rossbank property (15km to the North) and the Bug property (13 km to the South). The 34.5 K.V. electrical transmission line from Whitehorse to Teslin runs through the property on the south side of the Alaska Highway.

PHYSIOGRAPHY, CLIMATE, VEGETATION

The Mike claims cover ground on both sides of the Alaska Highway adjacent to Marsh Lake. The property lies at about the 2200 foot (671 metre) contour. The abundance of clay in the augered soil samples suggest that this area could be lacustrine. There are abundant bedrock exposures on the property with showings of mariposite, serpentinite, gabbro, peridotite, and andesite volcanic rocks outcropping at several locations (see figure 4).

Climatic conditions are generally similar to the Whitehorse area. the conditions of a northern interior climate prevail and is occasionally modified by the warmer, moist influence of the nearby Pacific Ocean. Temperatures range from -40°C in the winter to $+25^{\circ}\text{C}$ in the summer. Long hours of daylight prevail from May to August. At this northern latitude, the area is generally snow free from May to late October.

The tree cover in the area is spruce and poplar with Alders in the low wet sections of the property.

REGIONAL GEOLOGY

The geology of the north side of Marsh Lake consists of permian volcanics with small granitic intrusive stocks and peridotite, serpentinite, and listwaenites in the form of mariposite with quartz carbonate alteration. The mariposite outcrops at many locations and a mariposite boulder train is present.

The area has most recently been mapped by the Geological Survey of Canada in Memoir 312 (J.O. Wheeler, 1961) and a reinterpretation published as open file EGS 1979-6 by G. W. Morrison of the Department of Indian Affairs and Northern Development. A major fault appears to run under most of Marsh Lake and a series of what appear to be grabbens are situated on or close to the north shore of Marsh Lake.

HISTORY

The earliest evidence of exploration and mining in the Marsh Lake area pre-dates the Klondike Gold Rush by a few years. Timbers from an adit on Bob Coffey's "Rossbank Property" have been dated from 1895. The Bug property of "Dunvegan Resources" was drilled about 20 years ago with good gold values being obtained (up to .14 O.P.T.). High values of the gold indicator elements tungsten (to 7%) and arsenic were also obtained from drill core from the Bug property.

In 1988 Bill LeBarge, a geologist with the Department of Indian Affairs and Northern Development, discovered the "Diamond Zone" during a recognizance mapping project carried out between the Rossbank property and the Bug property. In late 1988 the Diamond Zone was staked by Mr. Drew McDonald and the claims lapsed in late 1989. I staked the Mike 1-6 claims on January 13, 1990 covering the known showings and recorded the claims on January 15, 1990. The Mike claims have not been drilled or extensively explored as they cover a series of newly discovered mineral showings.

GEOLOGY AND EXPLORATION 1990

An examination of the Mike claims was conducted by myself, Bill LeBarge and Dennis Oulette of DIAND, Inco & Avrum Geological Consultants (Wim Groeneweg and Al Doherty, Roger Holstein) and Total Energold (Richard Basnett, Rick Zuran). John Kowalchuk of Placer Dome also made a brief visit to the property.

I carried out a prospecting program on the property and discovered an outcrop of gabbro on the east, an outcrop of quartzite on the northwest, an outcrop of jasperoid rocks again on the northwest part of the claim group and another gabbro outcrop on top of the prominent elevated andesite feature on the north central part of the property. See Figure 4 re locations.

The oldest rock unit on the Mike Claims is an older andesite volcanic (greenstone). This rock unit has apparently been intruded by a listwaenite (mariposite) with quartz carbonate alteration, the gabbro

units, and quartzite jasperoid, peridotite and serpentinite. In addition, a fine grained volcanic rock containing pyrite is present on the southeast part of the property.

Geology of the claims and the location of various rock units are shown on Figures 3 and 4. Outcrops of quartz-carbonate ~~viewing~~ associated with listwaenites appear at several locations adjacent to the elevated andesite feature of the property. Should these outcrops join up under the talus slope (as I believe they do) this would indicate a structure ~~of~~ in the order of 3500" (1067 m) and likely much longer. (There are mariposite boulders both north and south of the property.)

Seven samples of rock outcrop and one piece of buried rock float were collected and analyzed for gold and silver as well as pathfinder elements by Bondar-Clegg and Co. Ltd. (Vancouver). Analysis for Gold, Silver and other elements is as stated on Bondar-Clegg reference data preceding assay results. Gold and Silver assays include:

Gold up to 87P.P.B. and silver exceeding 1.5 ounces per ton have been obtained from this property. The gold assay (87 P.P.B.) confirms an earlier assay by DIAND which contained 137 P.P.B. The silver assay (exceeding 1.5 O.P.T.) represents a significant geochemical anomaly.

Fourteen augered soil samples were collected by Rick Zuran of Total Energold Corp on November 7, 1990. The results of these assays include high values of the gold pathfinder elements arsenic (860 P.P.M.) and stibnite (80 P.P.M.) at the same location (sample MK-004) gold assayed 46 P.P.B. In addition, one sample assayed 555 P.P.M. zinc. These soil samples have outlined an area where further work should be done.

CONCLUSIONS AND RECOMMENDATIONS

Only preliminary exploration has so far been conducted on the Mike claims however several significant target areas are indicated.

Geological units, contacts and structures on or close to the property are known to be associated with precious metal mineralization elsewhere in the district. These are the andesite - listwaenite contact, quartz carbonate ^{viewing} coming off the contact at near right angles and a gabbro outcrop and several quartz ^{views} that outcrop on the property.

The preliminary results obtained to date are encouraging and additional exploration of the Mike claims is warranted. More "grass roots" prospecting should be carried out on the property and in the area north and south of the claim group. A program of soil sampling along the contact of the andesite - listwaenite structure should be carried out to identify precious metal mineralization along this structure. Soil samples should be analyzed for gold and silver and arsenic, mercury, antimony and lead.

Trenching (by backhoe) should be done adjacent to soil sample SI MK 004 and rock float sample R2 MK 015 to expose this area for channel sampling. It appears that there is a quartz vein coming off the andesite-listwaenite structure at right angles and trenching should readily expose it.

BEAUFORT SEA

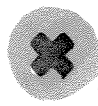
FIGURE 1

• Tuktoyaktuk



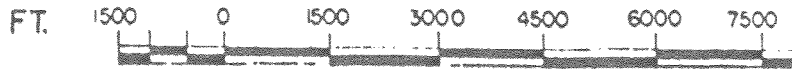
LOCATION MAP

SCALE: 1" = 90 miles

 PROPERTY LOCATION
MARSH LAKE AREA



SCALE: 1/2 MILE TO 1 INCH



ISSUED UNDER THE AUTHORITY OF THE MINISTER OF NORTHERN AFFAIRS AND NATIONAL RESOURCES

FIGURE 2

330°

- 21 JUNE 89
- 15 MAY 89
- 23 MAR 89
- 19 JAN. 89
- 03 JAN 88
- 23 NOV 88
- 24 OCT 88
- 22 JUNE 88 L
- 20 JUNE 88 L
- 24 MAY 88
- 8 APRIL 88
- 5 MARCH 88
- 1 MARCH 88
- 5 NOV 87
- 7 OCT 87 L
- 9 SEPT 87

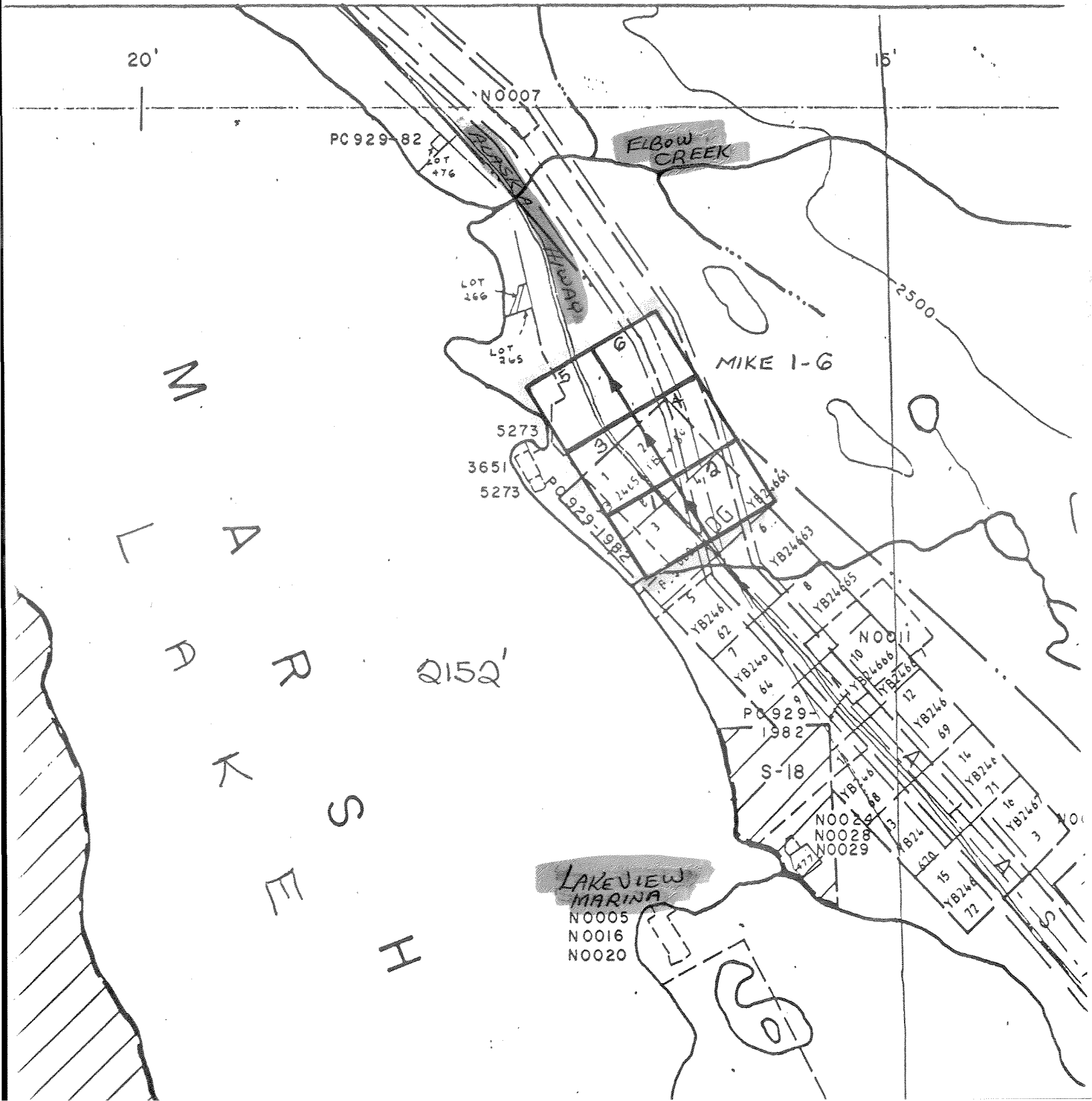


FIGURE 3 A

LEGEND

Pv	Permian? Intermediate pyroclastic volcanics
Pvl	Permian? Intermediate pyroclastic volcanics and minor limestone
Pvc	Permian? Intermediate flows and pyroclastic volcanics, interbedded with thinly bedded chert
Pub	Permian? peridotite and serpentinite
Plw	Listwaenite (quartz-carbonate alteration)
Trv	Triassic (Lewes River Group) clastics and tuffaceous equivalents
Jss	Jurassic (Laberge Group) sandstones, siltstones and conglomerates
Kgn	Cretaceous? granite

d ——— d

Dyke

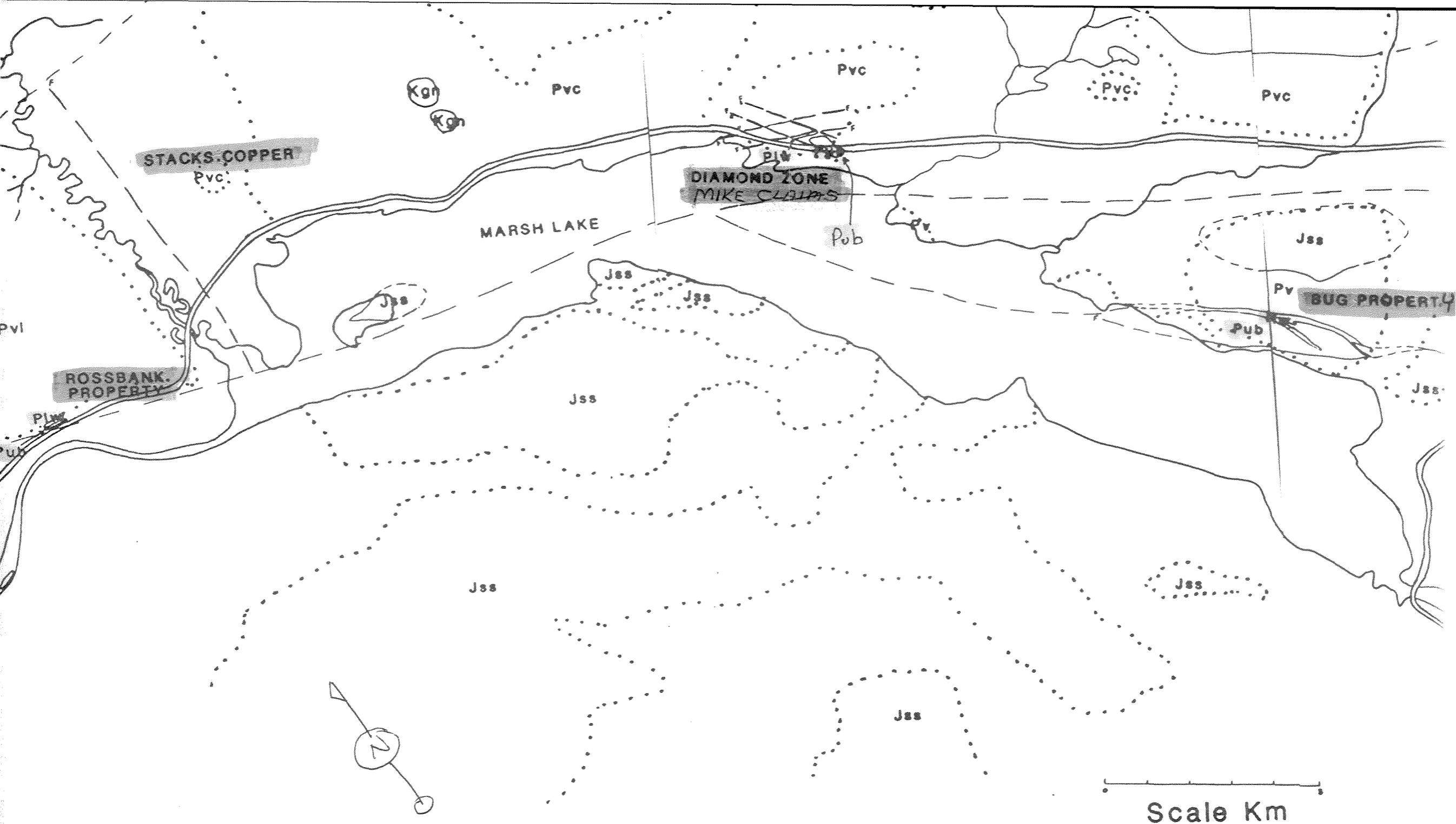


FIGURE 3B



APPENDIX I

STATEMENT OF EXPENDITURES

PROSPECTING, GEOCHEMICAL SAMPLING

PERIOD: MAY 15, 1990 TO NOVEMBER 27, 1990

GEOCHEMICAL ANALYSIS:

14 Soil Samples (Au, Ag, Cu, Zn As, Sb)	\$ 228.20
8 Rock Samples (Gold and IG package)	102.78

TRANSPORTATION:

Truck 6 days @ \$50./day	300.00
Gas	90.00
Vehicle Rental (Total Energold)	100.00
Fuel	50.00
Vehicle Rental (Inco, Aurum)	50.00
Fuel	20.00

PERSONNEL:

Prospector:	Gary Reynolds	6 days @ \$150/day	900.00
Geologists:	Wim Groenwege	1 day @ \$300/day	300.00
	Al Doherty	1 day @ \$200/day	200.00
	Roger Holstein	1 day @ \$200/day	200.00
	Richard Basnett	1 day @ \$300/day	300.00
	Rick Zuran	2 days @ \$200/day	400.00

MISCELLANEOUS:

Report preparation and typing	120.00
Food, Equipment	<u>50.00</u>

TOTAL COSTS:	<u>\$3,410.98</u>
--------------	-------------------

APPENDIX II

STATEMENT OF QUALIFICATIONS

I, Gary G. A. Reynolds, of the City of Whitehorse in the Yukon Territory hereby certify:

That I have taken the Yukon Chamber of Mines sponsored Basic Prospecting Course in Whitehorse in 1968, and the Advanced Prospecting Courses in Whitehorse in 1983, 1988 and 1991;

That I have been engaged in prospecting and mineral exploration on a part-time basis for twenty-one years in the Yukon Territory.

Signed at Whitehorse, Yukon Territory, this 30th day of June, 1991.

A handwritten signature in cursive script that reads "Gary Reynolds." The signature is written in dark ink and is positioned above the printed name.

Gary G. A. Reynolds, C.E.T.

RICK ZIRAN, FIELD NOTES FOR THE MIKE CLAIMS
Nov. 7, 1990

November 7th

~~*****~~
~~*****~~

Blizzard, white out conditions.

- Rented a Ford TOPAZ to take me to the Mike Claims / bad snow conditions

Alaskan Hwy: 142° Az.

Trail to 1416 cm post: 80m 150° Az. [st. pt.]

st. pt. # 1 leg @ 061° Az along trail for: 50m

* leg 2 @ 004° Az " " " 22m

* leg 3 @ 031° Az " " " 106m

↳ (old campsite @ 18m on leg.)

↳ (o/c @ 140m past trail oriented: 128° for

25m either way) forms a cliff

↳ @ 106 hit junction of 2 trails.

At starts here bearing 145°

① 1428 m 'S I hit trail again and decide to deviate from 139° Az and go along trail

- sampling severely hampered by blizzard / perm. post

- not too happy w samples particularly MK-009

to 014; they are mostly clay and could be lacustrine.

T-on trail

clay-ash-silt-sand-gravel
Scale of 0

Sample #	Station	Depth (m)	c-a-s-i-s-g	Comment
MK-001	BL 0100	0.70	5-0-5-0-0	11. grey Dr. Dr. @ trail junction.
MK-002	BL 0125S	0.15	2-0-3-3-2	@ 25m 319° Az from 001 on trail; pale rusty.
MK-003	BL 0150S	0.25	2-2-2-2-2	319° Az from 002 on trail
MK-004	BL 0175S	0.40	2-1-2-2-3	" " 003; 1428 m NNE Post
MK-005	BL 1100S	0.25	2-1-3-1-3	" " 004
MK-006	1150S	0.35	2-0-2-2-4	trail 5m due NNE 162° Az for 1128S on trail again.
MK-007	2100S	poor sample 0.10	2-1-3-1-0 3-03	from MK-006 to 1150 hrs. 177° then goes 153° to MK-007 on trail
MK-008	2150S	poor sample 0.10	1-0-1-1-7	from MK-007 to 2116 @ 153° then 090° Az to 2136, then 157° to MK-008 (2150).
MK-009	3100S	0.90	8-0-2-0-0	- hit subvolc chip volc rock. 157° from MK-008 to MK-009
MK-010	3150S	0.75	9-0-1-0-0	119° Az from MK-009 to 3145S, then 148° Az to MK-010 (3150S)
MK-011	4100S	0.70	9-0-1-0-0	112° from MK-010 to 3155S then 143° Az to MK-011
MK-012	4150S	0.80	9-0-1-0-0	138° Az from MK-011 to 4130S, then 130° Az to MK-012 (4100S)
MK-013	5100S	0.35	3-0-3-3-1	135° Az from MK-012 to 4175S then 084° to MK-013 (500S) @ 114° Az from MK-013
MK-014	5150	0.50	7-2-2-0-1	to 5120S, then 098° Az to 5130S + intersect of cut line ("PIPE CORRIDOR") which is @ 167° Az; last sample (MK-014) taken @ 120° Az from int. of pipe line to 5150S







REPORT: V90-36141.0 (COMPLETE)

REFERENCE INFO:

CLIENT: GARY REYNOLDS

SUBMITTED BY: UNKNOWN

PROJECT: NONE GIVEN

DATE PRINTED: 16-JUL-90

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au 20g Gold 20 grams	4	1 PPB	Fire-Assay	Fire Assay - DCP
2	Au Gold - Fire Assay	1	1 PPB	Fire-Assay	DC Plasma Emission
3	Pt Platinum	1	5 PPB	Fire-Assay	DC Plasma Emission
4	Pd Palladium	1	1 PPB	Fire-Assay	DC Plasma Emission
5	Cu Copper	1	1 PPM	HNO3-HCl Hot Extr.	Atomic Absorption
6	Ni Nickel	1	2 PPM	HNO3-HCl Hot Extr.	Atomic Absorption
7	Co Cobalt	1	1 PPM	HNO3-HCl Hot Extr.	Atomic Absorption
8	Cr Chromium (Acid Sol.)	1	2 PPM	HNO3-HCl Hot Extr.	Atomic Absorption
9	Ag Silver	4	0.1 PPM	HNO3-HCl Hot Extr.	Atomic Absorption

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK OR BED ROCK	5	2 -150	5	CRUSH,PULVERIZE -150	1

REPORT COPIES TO: MR. G. REYNOLDS

INVOICE TO: MR. G. REYNOLDS

NOV. 7th Field Day
1990

MIKE CLAIMS



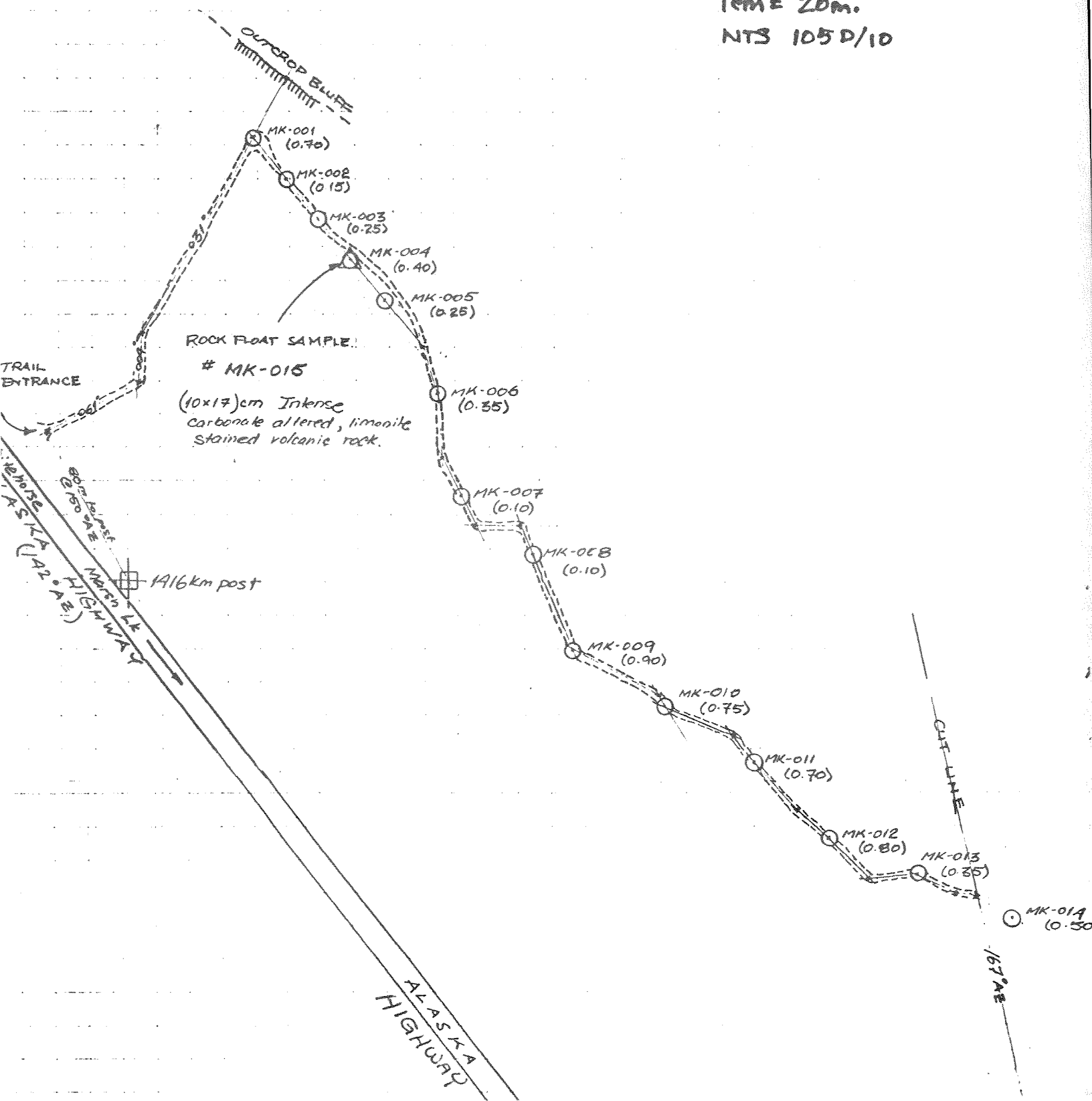
FIGURE 6

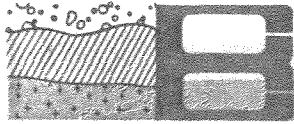
▲ ROCK FLOAT SAMPLE

○ SOIL AUGER SAMPLE
(DEPTH IN METERS)

1cm = 20m

NTS 105 D/10





REPORT: V90-36141.0

DATE PRINTED: 16-JUL-90

PROJECT: NONE GIVEN

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au 20g PPB	Au PPB	Pt PPB	Pd PPB	Cu PPM	Ni PPM	Co PPM	Cr PPM	Ag PPM	
A1 R2 1			4	10	4	75	55	23	147		GABBRO ROCK
A2 R2 2		86								1.7	QTZ CALCITE
R2 3		8								0.5	QTZ
R2 4		10								3.5	QTZ
R2 5		3								<0.1	QTZ



REPORT: V90-36167.0 (COMPLETE)

REFERENCE INFO:

CLIENT: MR. GARY REYNOLDS

SUBMITTED BY: UNKNOWN

PROJECT: NONE GIVEN

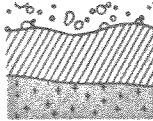
DATE PRINTED: 10-AUG-90

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au 10g Gold - Fire Assay	2	5 PPB	Fire-Assay	Fire Assay AA
2	Ag Silver	2	0.2 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
3	Cu Copper	2	1 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
4	Pb Lead	2	2 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
5	Zn Zinc	2	1 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
6	Mo Molybdenum	2	1 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
7	Ni Nickel	2	1 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
8	Co Cobalt	2	1 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
9	Bi Bismuth	2	5 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
10	As Arsenic	2	5 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
11	Sb Antimony	2	5 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
12	Hg Mercury	2	0.010 PPM	HNO3-HCl-SnSO4	Cold Vapour AA
13	Fe Iron	2	0.01 PCT	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
14	Mn Manganese	2	0.01 PCT	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
15	Ba Barium	2	20 PPM		X-Ray Fluorescence
16	Cr Chromium	2	1 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
17	W Tungsten	2	10 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK OR BED ROCK	2	2 -150	2	CRUSH,PULVERIZE -150	2

REPORT COPIES TO: MR. GARY REYNOLDS

INVOICE TO: MR. GARY REYNOLDS



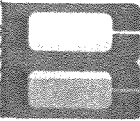
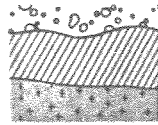
REPORT: V90-36167.0

DATE PRINTED: 10-AUG-90

PROJECT: NONE GIVEN

PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Au 10g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Bi PPM	As PPM	Sb PPM
A3	R2 MARIPOSITE	87	6.0	12	1669	35	<1	773	43	7	545	85
A4	R2 QUARTZ	27	2.3	12	674	37	<1	27	4	<5	127	11



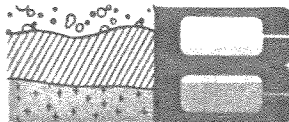
REPORT: V90-36167.0

DATE PRINTED: 10-AUG-90

PROJECT: NONE GIVEN

PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	Hg PPM	Fe PCT	Mn PCT	Ba PPM	Cr PPM	W PPM
A3 R2 MARIPOSITE		1.289	3.19	0.08	<20	198	<10
A4 R2 QUARTZ		0.057	0.94	0.03	3100	153	<10



REPORT: V90-36337.0 (PARTIAL)

REFERENCE INFO:

CLIENT: MR. GARY REYNOLDS
PROJECT: NONE GIVEN

SUBMITTED BY: G. REYNOLDS
DATE PRINTED: 3-DEC-90

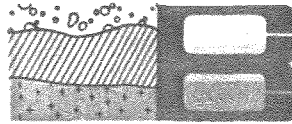
ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	Au 10g Gold - Fire Assay	3	5 PPB	Fire-Assay	Fire Assay AA
2	Ag Silver	3	0.2 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
3	Cu Copper	3	1 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
4	Pb Lead	3	2 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
5	Zn Zinc	3	1 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
6	Mo Molybdenum	3	1 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
7	Ni Nickel	3	1 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
8	Co Cobalt	3	1 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
9	Bi Bismuth	3	5 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
10	As Arsenic	3	5 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
11	Sb Antimony	3	5 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
12	Fe Iron	3	0.01 PCT	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
13	Mn Manganese	3	0.01 PCT	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
14	Ba Barium	3	20 PPM		X-Ray Fluorescence
15	Cr Chromium	3	1 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma
16	W Tungsten	3	10 PPM	HNO3-HCl Hot Extr.	Ind. Coupled Plasma

RESULTS TO FOLLOW FOR: Hg

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
R ROCK OR BED ROCK	3	2 -150	3	CRUSH, PULVERIZE -150	3

REPORT COPIES TO: MR. GARY REYNOLDS

INVOICE TO: MR. GARY REYNOLDS



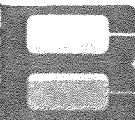
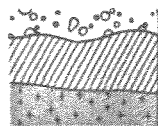
REPORT: V90-36337.0

DATE PRINTED: 3-DEC-90

PROJECT: NONE GIVEN

PAGE 1A

SAMPLE NUMBER	ELEMENT UNITS	Au 10g PPB	Ag PPM	Cu PPM	Pb PPM	Zn PPM	Mo PPM	Ni PPM	Co PPM	Bi PPM	As PPM	Sb PPM
A7	R2 BULL QTZ #1	8	1.8	13	113	51	<1	20	6	<5	24	9
A6	R2 HIWAY QTZ #2	12	2.9	29	188	137	<1	59	18	<5	82	13
A5	R2 HIWAY CU #3	<5	1.3	58	62	136	1	109	35	<5	20	<5



REPORT: V90-36337.0

DATE PRINTED: 3-DEC-90

PROJECT: NONE GIVEN

PAGE 1B

SAMPLE NUMBER	ELEMENT UNITS	Fe PCT	Mn PCT	Ba PPM	Cr PPM	W PPM
A7	R2 BULL QTZ #1	1.29	0.05	500	165	<10
AG	R2 HIWAY QTZ #2	3.90	0.12	2900	126	<10
A5	R2 HIWAY CU #3	7.50	0.12	1100	188	<10

REPORT: V80-36333 0 (COMPLETE)

REFERENCE INFO:

SUBMITTED BY: R. ZURAN
DATE PRINTED: 27-NOV-80

CLIENT: TOTAL ENERGOLE CORPORATION
PROJECT: 21123

ORDER	ELEMENT	NUMBER OF ANALYSES	LOWER DETECTION LIMIT	EXTRACTION	METHOD
1	AU 30g Gold 30 grams	15	5 PPB	Fire-Assay	Fire Assay AA
2	Ag Silver	15	0.1 PPM	HNO3-HCl Hot Extr	Atomic Absorption
3	Cu Copper	15	1 PPM	HNO3-HCl Hot Extr	Atomic Absorption
4	Zn Zinc	15	1 PPM	HNO3-HCl Hot Extr	Atomic Absorption
5	As Arsenic	15	1.0 PPM	Not applicable	Inst. Neutron Activ
6	Sb Antimony	15	0.2 PPM	Not applicable	Inst. Neutron Activ

SAMPLE TYPES	NUMBER	SIZE FRACTIONS	NUMBER	SAMPLE PREPARATIONS	NUMBER
1 SOILS	14	1 -80	14	DRY SIEVE -80	14
2 ROCK OR BED ROCK	1	2 -150	1	CRUSH PULVERIZE -150	1

REPORT COPIES TO: MR. RICK ZURAN
MR. PATRICK JAMET

INVOICE TO: MR. RICK ZURAN

SAMPLE NUMBER	ELEMENT UNITS	AV 30g PPB	AG PPM	CU PPM	Zn PPM	AS PPM	SS PPM
S1 MK-001		13	0.4	29	49	12.0	1.5
S1 MK-002		6	0.2	54	114	28.0	3.6
S1 MK-003		12	0.2	69	82	31.0	5.1
S1 MK-004		46	0.2	66	82	860.0	80.0
S1 MK-005		5	<0.1	31	81	35.0	4.6
S1 MK-006		5	<0.1	14	40	24.0	2.3
S1 MK-007		12	0.3	85	535	18.0	1.0
S1 MK-008		37	0.1	49	55	89.0	7.1
S1 MK-009		10	0.2	27	45	9.0	1.7
S1 MK-010		15	0.4	30	55	7.0	1.0
S1 MK-011		14	0.2	29	54	10.0	1.6
S1 MK-012		12	0.2	31	61	7.5	1.3
S1 MK-013		10	0.3	41	102	6.5	1.2
S1 MK-014		8	0.3	28	56	8.6	1.2
R2 MK-015		17	150.0	23	172	926.0	205.0

AUGER - SOILS

ROCK (~~GRAV~~/FLOAT)

926-