ASSESSMENT REPORT

GEOCHEMISTRY REPORT

ON THE

MITZI OPTION

(Mitzi 1, Mitzi 2 Claims)
(Record Numbers 8545, 8546)

Omineca Mining Division
N.T.S. 93 N/01

Latitude: 55 degrees, 7.5 minutes N
Longitude: 124 degrees, 27.5 minutes W

Work Performed:
10 July 1989 to 13 July 1989

NORANDA EXPLORATION COMPANY, LIMITED
(no personal liability)
3A - 1750 Quinn Street
Prince George, B. C.
V2N 1X3
Phone: (604) 562-0022

REPORT BY:
CHRIS RONEY, FIELD GEOLOGIST
GORD MAXWELL, PROJECT GEOLOGIST

SEPTEMBER, 1989

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SUMMARY

The Mitzi project is situated in close proximity to several new Cu-Au prospects, including Mount Milligan, where a joint venture between Continental Gold Corp. and B.P. Resources has reportedly outlined 100 million tons of 0.25% copper and 0.035 oz/Ton gold. These Cu-Au prospects appear to be related to alkaline stock which have characteristic high magnetic signatures.

The objective of the Mitzi project is to test for a large potential Cu-Au porphyry system. The project is located on the south-east shore of Witch Lake, 180 km northwest of Prince George. Access to the property is by float plane or helicopter. Soil geochem has outlined small Au anomaly along the baseline (150 m by 1.0 km), and spotty Cu anomalies.

Additional grid work, soiling and geophysics are recommended to develop drill targets.

INTRODUCTION

PURPOSE

Mitzi aeromag signature appears to be very similar to that of Mount Milligan, both is size and intensity. Strong Cu geochem has been indicated by previous Norex work throughout the property, but soil samples have never been run for gold. The sample submitted by Mr. Haslinger, which ran 1.59% Cu and 0.144 oz/Ton Au, shows there is gold in the system. Grid work was done on the property by Noranda to test a potential Cu-Au porphyry system and develop drill targets.

LOCATION & ACCESS

The Mitzi property is located in central British Columbia (Figure 1). It lies along the south east shore of Witch Lake (Figure 2), approximately 180 km northwest of Prince George.

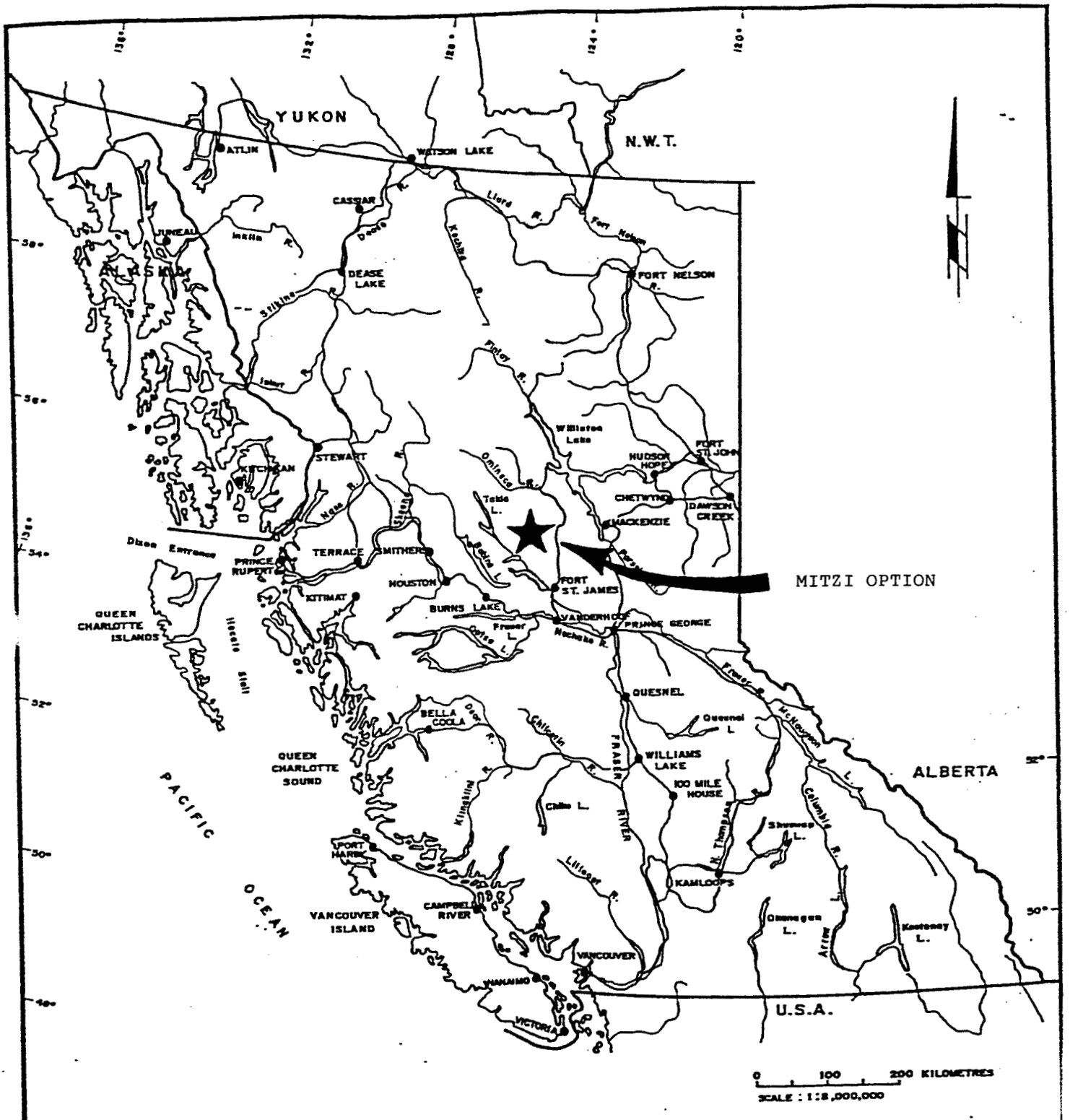
The area is characterized by low rolling glacial topography, including pine flats, outcrop ridges and low swampy valleys. Elevation ranges from 917 metres on Witch Lake to 1250 metres.

The claims are covered by mature stands of spruce, pine and balsam with undergrowth being mainly small cedar, alder and devil's club.

Access is presently by fixed wing aircraft to Witch Lake or helicopter. The Germansen road is located 10 km to the east of the property. The terrain between the property and the road is quite flat.

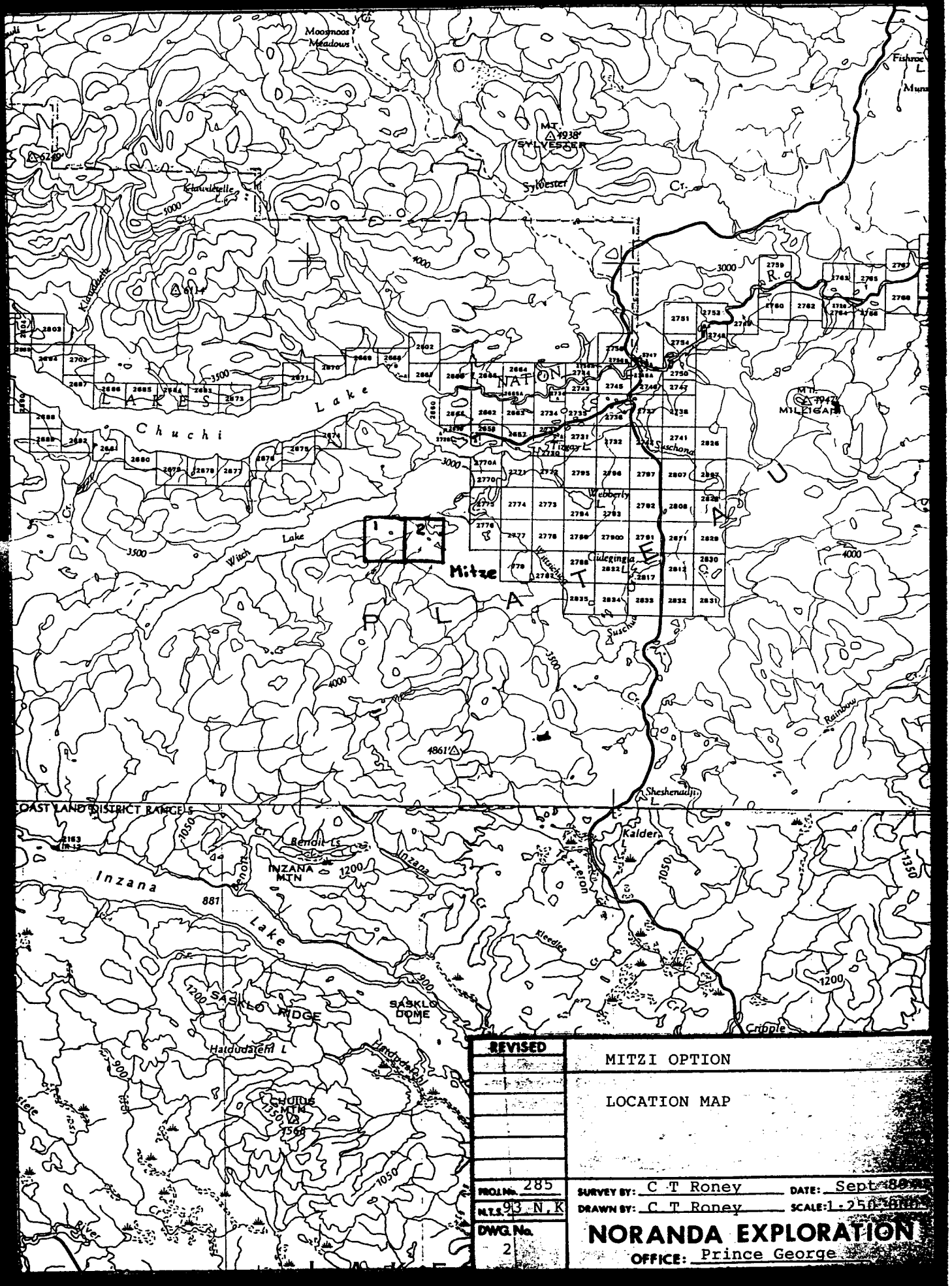
PROPERTY

The property consists of two claims listed in Table 1. Noranda Exploration holds an option to acquire the claims from the owner, Richard Haslinger, of Fort St. James. The claims are shown on Figure 3.



REVISED	MITZI OPTION
	LOCATION MAP
PROJ.No. 285	SURVEY BY: C T Toney DATE: Sept 89
N.T.S. 93 N1	DRAWN BY: S.K.B. SCALE: 1:8,000,000
DWG. No. 1	NORANDA EXPLORATION
	OFFICE: PRINCE GEORGE, B.C.

VANCAL 11927



REVISED	MITZI OPTION
	LOCATION MAP
PROJ. No. 285	SURVEY BY: C T Roney DATE: Sept '80
N.T.S. 93 N, K	DRAWN BY: C T Roney SCALE: 1:250,000
DWG. No. 2	NORANDA EXPLORATION
	OFFICE: Prince George

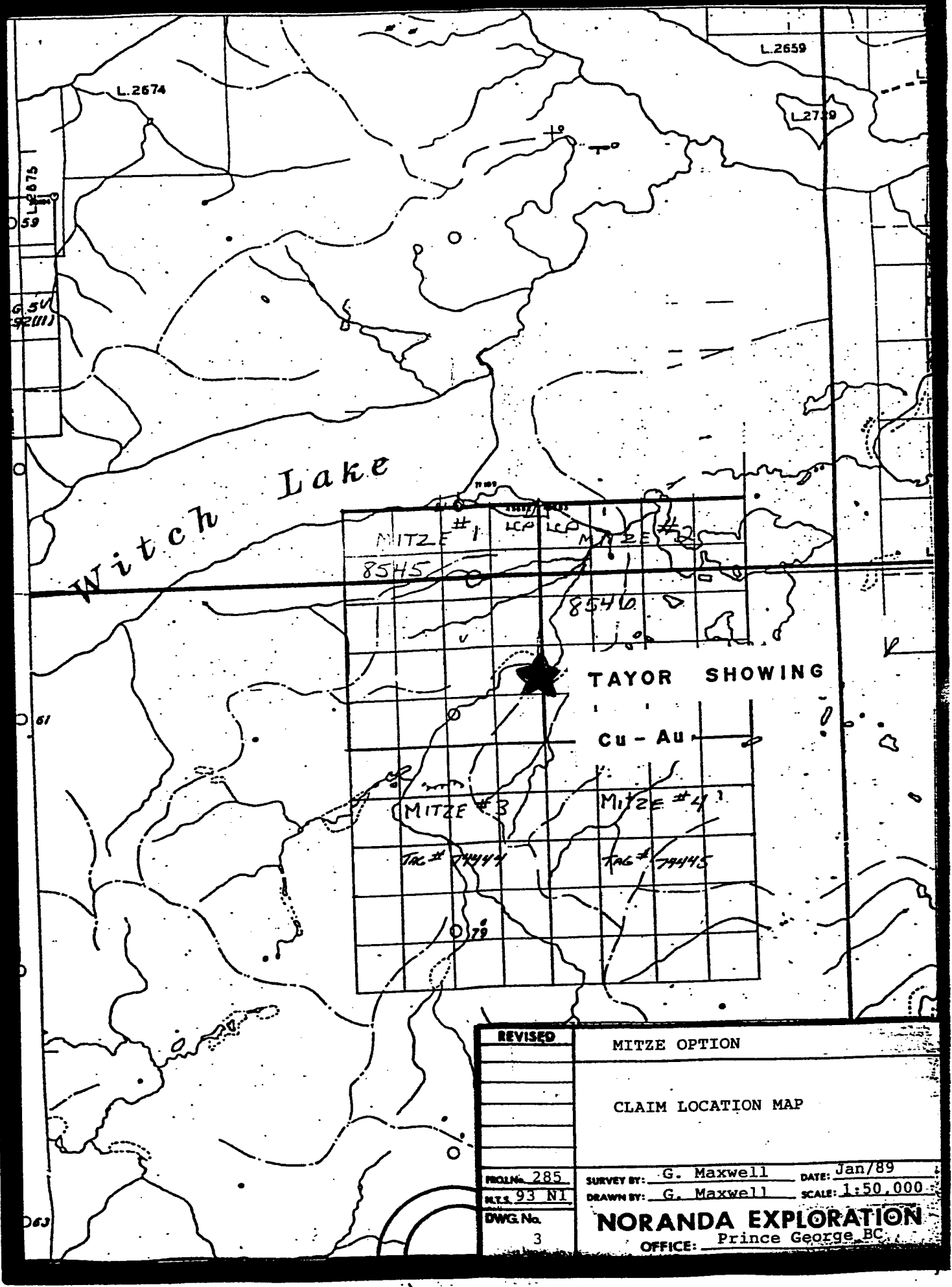

L.2659
L.2674
L.2679
L.2675
59
54
52(11)
Witch Lake
MITZE #1
LCP
LCP
MITZE #2
8545
8546
TAYOR SHOWING
Cu - Au
61
MITZE #3
MITZE #4
Tag # 794494
Tag # 794495
79
63
REVISED
MITZE OPTION
CLAIM LOCATION MAP
PROJ No. 285
DWG. No. 3
SURVEY BY: G. Maxwell
DRAWN BY: G. Maxwell
DATE: Jan/89
SCALE: 1:50,000
NORANDA EXPLORATION
OFFICE: Prince George BC

TABLE 1. List of Claims, Mitzi Property
Omineca Mining Division, N.T.S. 93 N/01W

CLAIM NAME	RECORD NO.	UNITS	RECORD DATE	OWNER
Mitzi 1	8545	20	July 15, 1988	R. Haslinger
Mitzi 2	8546	20	July 15, 1988	R. Haslinger

REGIONAL GEOLOGY

The most recent published information on the regional geology is by Paterson, I.A., 1974, G.S.C. Paper 74-1, Part B.

The Mitzi claims lie in a broad northwest package of Upper Triassic to Lower Jurassic rocks known as the Quesnel Trough. These rocks include intermediate to basic volcanics and sediments, which have been intruded by the Hogem Batholith and several small stock and dykes ranging in age from Triassic to Cretaceous.

The property is located in close proximity to the Hogem Batholith and this has probably caused major deformation in the area.

The Quesnel Trough is bound to the west by the Pinchi Fault. The fault forms a contact between the Hogem Batholith and the volcanic and sedimentary package of rocks.

LOCAL GEOLOGY

The outcrop on the property is sparse and isolated with large areas covered by overburden. The area appears to be underlain by andesite which has been intruded by several gabbro and diorite dykes.

The andesites are typically pale green, massive to porphyritic, moderately silicified. The diorite and gabbro occur in small dykes cutting the volcanics, possibly causing hornfelsing. Mineralization occurs as pyrite, chalcopyrite and pyrrhotite, disseminated and in blebs, throughout the andesite and diorite.

One main showing on the property is known as the Taylor showing (Figure 3). Values of 1.59% Cu and 0.144 oz/Ton Au have come from the showing.

PREVIOUS WORK

The main showing in Taylor Creek was first found by a local prospector named Ted Taylor in the 1960's. This showing and a large area trending to the northwest was extensively worked by Noranda Exploration from 1965 to 1968. Exploration was concentrated on looking for porphyry Cu-Mo deposits and many samples were never run for gold. The area was extensively silt sampled and recon soil lines were run along claim lines. The property was staked in 1987 by Richard Haslinger of Fort St. James.

WORK UNDERTAKEN

Two men spent four days (10-13 July 1989) gridding and soil sampling the claims. A helicopter was used for access each day. This grid was started at the eastern corner (80,000mN, 80,000mE) and a baseline was run for 1.0 km at 270 degrees. The baseline was cut with a chainsaw. Sidelines were run at 200 metre intervals for 1.0 km south of the baseline. Sidelines were hip-chained and flagged.

176 B-horizon soil samples were collected. The soils were collected at 25 metre intervals with grub hoes from a depth of 10 to 70 cm in mineral soils below the organic rich upper horizon. Samples were dried in kraft paper bags and analyzed by ICP for 30 elements and by AA for Au at the Noranda Geochemical Laboratory (Appendix 5).

RESULTS

GEOCHEMISTRY

SOILS

One hundred seventy-six (176) B-horizon soils were collected from the Mitzi grid to the 13th of July 1989. All samples analyzed for 30 elements by ICP methods plus Au by AA (Appendix 4.)

Gold values on the grid range from 1 to 107 ppb. Values greater than 10 ppb are considered to be anomalous. Twenty-one stations were anomalous. Most anomalous values (17) seem to be located along a line at 200 metres south of the baseline for the length of the baseline (Figure 4).

Copper values on the grid range from 12 to 265 ppm. Values greater than or equal to 100 ppm are considered to be anomalous. Sixteen stations were anomalous. Seven are located in the Au anomalous zone. The rest are scattered throughout the grid (Figure 5).

Note that all work done on the grid to the north of the baseline was done after the anniversary date and will be submitted at a later date.

CONCLUSIONS

Looking at the aeromag from the area, the Mitzi mag signature appears to be very similar to the Mount Milligan in both size and intensity. Strong Cu geochem has been indicated by previous Norex work throughout the property.

From work done this year there appears to be an Au geochem anomaly 200 metres south of the baseline for the length of the baseline. As well as Cu anomalies associated with this Au anomaly and some scattered throughout the grid.

RECOMMENDATIONS

The grid should be extended to cover the entire property and soil sampled. Mapping and prospecting should be done over the entire property, and conduct a magnetometer and IP survey.

Also, stake or option more of the ground surrounding the claims.

REFERENCES

Barr, D.A., Fox, D.E., Northcote, K.E., and Preto, V.A.: 1976 The Alkaline Porphyry Deposits. A Summary in CIM Special Vol. No. 15.

Garnet, J.A.: 1978 Geology and Mineral Occurrences of the Southern Hogem Batholith.

Mining Journal, March 17, 1989.

Paterson, I.A.: 1974 G.S.C. Paper 74-1, Part B.

APPENDIX 1. LIST OF FIELD PERSONNEL, 1989 - MITZI PROPERTY

NAME/ADDRESS	POSITION	DATES WORKED ON CLAIMS	MANDAYS
Brent Case Prince George BC	Geological Assistant	10-13 July, 1989	4
Regan Chernish Edmonton, Alta	Geological Assistant	10-13 July, 1989	4
		Total Man-Days	8

APPENDIX 2. STATEMENT OF COSTS
WORK COMPLETED 10 JULY TO 13 JULY, 1989

FIELD PERSONNEL:	
8 man-days at $100	$ 800.00
CONSULTANT:	--
FOOD & ACCOMMODATION:	
8 man-days at $50	$ 400.00
MOB/DEMOB WITHIN B.C.:	--
TRUCK RENTALS:	$ 200.00
HELICOPTER SUPPORT:	
3.2 hours @ $625/hour	$2,100.00
EQUIPMENT & SUPPLIES:	
8 man-days at $20	$ 160.00
LABORATORY ANALYSIS:	
176 soil preps at $0.85	$ 150.00
176 soils-30 elements ICP geochem at $6.25	$1,100.00
and Au by AA geochem at $4.50	$ 792.00
CONTRACTORS:	--
REPORT PREPARATION:	
Author	$ 150.00
Drafting	$ 100.00
Typing	$ 50.00
TOTAL COSTS:	$6,002.00

APPENDIX III

STATEMENT OF QUALIFICATIONS

RELEVANT TRAINING:

B.Sc. (1986)	Brandon University Brandon, Manitoba Geology

RELEVANT EXPERIENCE:

1984-1986	Geological Assistant Falconbridge Ltd., Winnipeg, Man. Manitoba Energy & Mines, Winnipeg, Man.
1987	Exploration Geologist Falconbridge Ltd. Winnipeg, Man.
1987-1989	Exploration & Mine Geologist Granges Exploration Ltd. Flin Flon, Man. & Timmons, Ont.
1989 -	Exploration Geologist Noranda Exploration Company, Limited Prince George, B. C.

Chris T. Roney

Chris T. Roney
Geologist
September, 1989

APPENDIX III

STATEMENT OF QUALIFICATIONS

I, Gordon Maxwell of Prince George, Province of British Columbia, do hereby certify that:

1. I am a Geologist residing at 5905 Rideau Street, Prince George, British Columbia.

2. I am a graduate of the University of Manitoba with an Hons. B. Sc. (geology).

3. I am a member in good standing of the Canadian Institute of Mining and the Prospector's and Developer's Association.

4. I presently hold the position of Project Geologist with Noranda Exploration Company, Limited and have been in their employ since 1980.

Gordon Maxwell

G. Maxwell

APPENDIX 4

ANALYSIS REPORTS

(in chronological order)

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

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.
THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Soil -80 Mesh AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. P. Pulverized.

DATE RECEIVED: JUL 20 1989 DATE REPORT MAILED: July 26/89 SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

RECEIVED AUG 01 1989

NORANDA EXPLORATION CO. LTD. PROJECT 8907-068 285 File # 89-2330 Page 1

SAMPLE#		Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
M1T21-285	79000E 80000N	1	95	9	263	.2	68	22	796	4.12	13	5	ND	1	25	1	2	2	70	.85	.150	5	42	.68	79	.11	5	1.68	.01	.10	1	11
M1T21-285	79000E 79975N	1	51	10	126	.2	31	15	519	4.09	22	5	ND	1	41	1	2	2	92	.78	.205	6	47	.72	105	.09	5	1.74	.01	.07	2	6
M1T21-285	79000E 79950N	1	51	8	97	.2	27	10	317	4.16	14	5	ND	1	23	1	2	2	93	.41	.082	7	42	.44	75	.11	5	1.38	.01	.06	1	2
M1T21-285	79000E 79925N	2	75	14	139	.3	31	25	1207	4.20	17	5	ND	1	28	1	2	2	102	.51	.057	6	44	.42	104	.12	2	1.55	.01	.04	2	4
M1T21-285	79000E 79900N P	1	109	10	87	.3	32	15	404	4.81	15	5	ND	1	21	1	2	2	110	.48	.108	8	83	1.31	97	.21	4	2.51	.02	.24	1	6
M1T21-285	79000E 79875N P	1	46	10	99	.1	45	13	247	4.32	35	5	ND	1	25	1	2	2	98	.45	.134	6	76	.82	64	.12	4	2.27	.01	.06	2	7
M1T21-285	79000E 79850N	1	53	5	62	.1	35	13	532	3.96	29	5	ND	1	29	1	3	2	97	.46	.051	5	54	.68	88	.11	3	1.88	.01	.04	1	4
M1T21-285	79000E 79825N P	1	113	12	46	.1	63	15	240	3.46	16	5	ND	1	27	1	2	2	80	.40	.037	6	65	.80	82	.13	6	2.27	.01	.04	2	5
M1T21-285	79000E 79800N P	1	256	7	49	.1	55	25	1021	12.19	20	5	ND	1	21	1	2	2	63	2.02	.153	4	40	.29	56	.10	4	1.69	.01	.05	1	12
M1T21-285	79000E 79775N P	1	43	6	68	.2	19	10	627	2.35	3	5	ND	1	28	1	2	2	47	2.23	.122	4	29	.48	64	.07	20	1.50	.01	.06	1	7
M1T21-285	79000E 79750N	2	238	10	129	.1	106	40	727	6.62	24	5	ND	1	20	1	2	2	109	.79	.082	6	64	.76	67	.12	8	2.65	.01	.09	2	9
M1T21-285	79000E 79725N	1	265	7	92	.2	106	35	1079	5.24	6	5	ND	1	57	1	2	2	104	1.45	.186	10	73	1.87	70	.22	6	2.92	.07	.66	1	6
M1T21-285	79000E 79700N P	1	41	9	154	.2	43	17	328	4.19	13	5	ND	1	19	1	2	2	76	.49	.184	7	50	.60	55	.10	7	1.98	.01	.08	1	(107)
M1T21-285	79000E 79675N	1	43	8	63	.2	30	11	1280	2.97	13	5	ND	1	27	1	2	2	74	.81	.087	5	46	.41	84	.10	14	1.18	.01	.13	1	8
M1T21-285	79000E 79650N	1	100	6	63	.2	53	16	421	3.50	27	5	ND	1	28	1	3	2	78	.81	.069	4	57	.72	80	.13	8	2.21	.02	.13	1	9
M1T21-285	79000E 79625N P	1	78	18	72	.1	52	18	333	3.78	21	5	ND	1	30	1	3	2	87	.55	.056	5	59	.78	94	.15	7	2.31	.01	.09	2	1
M1T21-285	79000E 79600N	1	92	7	66	.2	49	23	885	3.92	17	5	ND	1	27	1	2	2	81	.63	.077	5	58	.57	83	.12	6	1.85	.01	.10	1	9
M1T21-285	79000E 79575N	1	55	6	78	.2	28	15	1183	2.98	9	5	ND	1	45	1	2	2	63	1.05	.101	5	40	.35	150	.10	3	1.29	.01	.07	1	6
M1T21-285	79000E 79525N	1	83	11	88	.5	34	11	673	2.69	9	5	ND	1	82	1	2	2	64	2.10	.127	11	48	.67	136	.05	15	2.07	.02	.04	2	6
M1T21-285	79000E 79500N	2	63	12	101	.2	37	14	650	5.35	21	5	ND	2	35	1	2	4	92	.63	.162	9	48	.98	112	.10	6	2.35	.02	.11	1	6
M1T21-285	79000E 79475N P	1	50	15	109	.4	16	9	406	3.59	10	5	ND	1	46	1	4	2	81	1.31	.084	8	36	.34	82	.07	3	1.51	.01	.05	1	5
M1T21-285	79000E 79425N	2	32	13	101	.3	21	7	211	3.80	10	5	ND	1	28	1	2	2	86	.34	.141	7	43	.46	84	.09	2	1.86	.01	.05	1	10
M1T21-285	79000E 79400N P	1	62	7	70	.2	32	9	233	2.69	6	5	ND	1	36	1	3	2	60	.60	.044	7	43	.63	69	.09	5	1.92	.01	.04	1	7
M1T21-285	79000E 79375N	1	48	12	77	.1	33	13	348	4.90	12	5	ND	1	48	1	2	2	124	.44	.123	6	64	.81	100	.13	7	1.98	.01	.07	1	4
M1T21-285	79000E 79350N P	12	65	13	93	.2	81	40	1317	7.81	12	5	ND	2	13	1	3	2	144	.34	.152	3	225	1.18	71	.28	5	1.16	.02	.05	2	2
M1T21-285	79000E 79325N	1	34	7	105	.1	27	20	600	4.82	12	5	ND	1	21	1	2	2	111	.41	.339	5	54	.48	82	.08	6	2.38	.01	.04	1	5
M1T21-285	79000E 79300N P	2	67	6	63	.5	28	8	505	2.48	7	5	ND	1	42	1	3	3	61	1.19	.060	5	54	.37	109	.11	4	.94	.01	.11	1	1
M1T21-285	79000E 79275N	2	128	12	111	.8	64	22	3058	3.02	3	5	ND	1	53	1	2	4	69	1.64	.084	9	86	1.22	110	.11	6	1.76	.01	.13	1	2
M1T21-285	79000E 79250N	1	55	8	87	.4	68	15	538	3.32	2	5	ND	1	44	1	2	2	87	1.17	.071	4	129	1.51	129	.20	6	1.76	.01	.16	1	1
M1T21-285	79000E 79225N	1	81	12	85	.4	36	15	1737	2.38	7	5	ND	1	55	1	2	3	58	1.91	.058	6	59	.63	93	.12	6	1.16	.01	.10	1	8
M1T21-285	79000E 79200N	1	28	13	88	.3	26	14	932	3.47	11	5	ND	1	37	1	2	2	77	.74	.090	6	51	.55	110	.11	2	1.28	.01	.10	1	2
M1T21-285	79000E 79175N P	3	132	7	69	.7	26	8	1469	1.47	4	5	ND	1	87	1	4	2	42	3.78	.106	7	33	.40	66	.03	7	.90	.01	.06	1	5
M1T21-285	79000E 79125N	1	32	11	72	.1	23	12	641	3.54	5	5	ND	1	26	1	3	2	91	.54	.158	6	46	.55	90	.08	2	1.91	.01	.06	2	6
M1T21-285	79000E 79100N	1	22	8	62	.2	17	8	362	3.04	7	5	ND	1	22	1	3	2	80	.39	.060	5	36	.38	63	.09	2	1.21	.01	.08	1	4
M1T21-285	79000E 79075N P	1	21	12	57	.3	23	8	193	2.72	3	5	ND	1	21	1	2	2	74	.39	.088	6	43	.47	52	.11	3	1.25	.01	.08	1	4
M1T21-285	79000E 79050N P	1	63	8	53	.3	41	15	251	3.24	12	5	ND	2	26	1	3	2	76	.38	.101	8	54	.81	89	.11	2	2.31	.01	.05	1	1
STD C/AU-S		17	62	39	132	7.1	71	31	1041	4.11	40	18	7	37	49	19	15	20	58	.52	.093	38	56	.91	174	.07	34	2.00	.06	.14	12	48

31/July P6

Copy to Gord

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	AU* PPB
M1T21-285 79000E 79025N	1	12	4	58	.1	20	7	176	2.60	2	5	ND	1	29	1	3	2	72	.45	.073	7	87	.45	48	.13	3	1.23	.01	.10	2	6
M1T21-285 79000E 79000N	1	27	11	88	.3	44	11	320	3.84	12	5	ND	2	35	1	4	2	84	.57	.220	6	74	.94	78	.14	5	2.12	.02	.10	1	2
M1T21-285 79200E 80000N	1	31	8	92	.3	29	11	633	4.05	16	5	ND	1	30	1	3	2	89	.46	.158	8	43	.60	111	.10	7	1.76	.01	.09	1	2
M1T21-285 79200E 79975N P	1	30	7	50	.4	18	9	224	3.31	11	5	ND	2	29	1	2	2	86	.48	.038	9	39	.45	53	.13	7	1.65	.01	.04	1	3
M1T21-285 79200E 79950N	1	44	9	51	.4	38	15	375	3.76	22	5	ND	2	25	1	3	2	88	.47	.195	6	54	.67	77	.10	14	2.02	.01	.05	1	6
M1T21-285 79200E 79925N P	1	93	2	99	.4	30	15	359	4.46	12	5	ND	1	26	1	2	2	95	.44	.146	7	58	.67	65	.11	7	2.10	.01	.07	1	4
M1T21-285 79200E 79900N P	1	56	3	70	.2	33	15	391	4.16	10	5	ND	2	24	1	3	2	93	.44	.108	10	55	.53	60	.12	6	1.94	.01	.05	2	12
M1T21-285 79200E 79875N	1	70	9	73	.3	40	16	502	4.69	15	5	ND	1	27	1	2	2	104	.57	.142	7	61	.73	94	.12	11	2.03	.01	.07	2	2
M1T21-285 79200E 79850N	1	24	5	57	.3	20	10	238	3.66	10	5	ND	2	19	1	2	2	92	.32	.041	8	49	.38	58	.12	8	1.43	.01	.04	1	13
M1T21-285 79200E 79825N	1	12	8	46	.2	11	7	301	2.69	7	5	ND	1	25	1	2	3	72	.42	.066	7	38	.31	75	.11	3	1.18	.01	.06	1	1
M1T21-285 79200E 79800N	1	41	17	86	.2	33	16	306	4.73	20	5	ND	2	26	1	3	2	101	.39	.229	7	61	.73	81	.11	3	2.28	.01	.05	1	3
M1T21-285 79200E 79775N	1	23	9	50	.3	21	19	198	3.51	12	5	ND	1	24	1	2	2	95	.45	.086	7	47	.46	63	.11	8	1.67	.01	.09	1	225
M1T21-285 79200E 79750N	1	62	4	52	.3	40	13	315	3.48	14	5	ND	2	36	1	2	2	85	.61	.072	8	62	.85	78	.15	8	1.88	.02	.16	2	6
M1T21-285 79200E 79725N	1	69	6	71	.2	44	18	320	4.00	19	5	ND	2	30	1	2	2	85	.62	.127	6	64	.85	79	.14	7	2.42	.01	.17	1	624
M1T21-285 79200E 79700N	1	41	3	50	.1	31	13	284	3.15	7	5	ND	1	34	1	2	3	73	.59	.104	7	56	.68	73	.12	7	1.71	.01	.11	1	2
M1T21-285 79200E 79675N	1	46	6	62	.2	34	14	311	3.49	13	5	ND	1	31	1	2	2	89	.58	.116	6	57	.69	81	.11	4	1.96	.01	.10	1	4
M1T21-285 79200E 79650N	1	61	2	71	.2	39	15	372	3.56	12	5	ND	1	30	1	3	2	84	.49	.094	7	59	.74	90	.12	13	2.18	.02	.09	1	3
M1T21-285 79200E 79500N	2	109	13	77	.4	40	17	524	3.96	16	5	ND	1	35	1	2	2	95	.46	.065	11	65	.73	108	.10	7	2.62	.01	.06	1	4
M1T21-285 79200E 79475N	1	45	8	92	.3	42	14	439	4.25	9	5	ND	1	42	1	2	2	104	.45	.119	7	91	.93	104	.11	6	2.00	.01	.07	1	3
M1T21-285 79200E 79400N	1	69	30	150	.4	53	22	672	5.58	22	5	ND	1	126	1	2	2	128	.80	.250	6	124	1.33	187	.09	7	3.15	.01	.17	1	1
M1T21-285 79200E 79375N	3	169	7	72	.6	47	14	788	3.35	5	5	ND	1	51	1	2	4	85	.90	.071	11	70	.63	79	.08	8	2.17	.01	.06	1	7
M1T21-285 79200E 79350N	1	32	9	60	.3	33	11	292	4.23	12	5	ND	1	27	1	2	2	109	.47	.151	6	68	.77	78	.13	5	1.73	.01	.09	1	2
M1T21-285 79200E 79325N	1	26	6	52	.3	19	8	283	3.47	10	5	ND	1	26	1	2	2	99	.40	.127	6	47	.44	68	.11	2	1.23	.01	.07	1	4
M1T21-285 79200E 79300N	1	30	5	67	.2	59	15	425	3.80	4	5	ND	1	40	1	2	2	92	.83	.122	6	108	1.50	85	.15	12	1.83	.01	.11	1	2
M1T21-285 79200E 79275N	1	27	8	71	.2	44	13	484	3.07	6	5	ND	1	29	1	2	2	79	.55	.097	6	73	.94	96	.17	4	1.54	.01	.12	1	7
M1T21-285 79200E 79250N	1	42	8	69	.6	34	13	686	3.39	8	5	ND	1	32	1	2	2	89	.49	.216	6	56	.74	116	.10	7	1.84	.01	.07	1	3
M1T21-285 79200E 79225N	1	32	10	71	.2	22	11	434	4.16	9	5	ND	1	24	1	2	2	92	.35	.166	6	49	.56	68	.08	4	1.93	.01	.04	1	1
M1T21-285 79200E 79200N	1	30	10	54	.3	21	10	252	3.13	7	5	ND	1	21	1	2	4	74	.31	.079	7	41	.49	66	.09	6	1.82	.01	.05	1	1
M1T21-285 79200E 79175N	1	50	7	70	.2	47	16	430	4.43	16	5	ND	1	34	1	2	2	98	.48	.172	7	68	.74	79	.10	10	2.24	.01	.06	1	3
M1T21-285 79200E 79150N	1	30	11	113	.2	42	15	291	3.57	9	5	ND	1	25	1	2	2	81	.43	.115	6	59	.71	67	.13	5	2.17	.01	.06	1	3
M1T21-285 79200E 79125N P	1	27	12	56	.3	33	9	238	2.94	2	5	ND	1	32	1	2	3	73	.51	.116	5	58	.70	69	.12	5	1.61	.01	.08	1	5
M1T21-285 79200E 79100N P	1	45	9	73	.3	39	13	255	3.58	7	5	ND	2	22	1	2	2	79	.35	.134	7	54	.71	85	.11	6	2.11	.01	.06	1	1
M1T21-285 79200E 79075N	1	44	10	63	.2	45	13	260	3.56	9	5	ND	1	35	1	2	2	84	.44	.113	6	67	.89	97	.11	6	2.05	.01	.08	1	1
M1T21-285 79200E 79050N P	1	26	9	82	.1	25	11	288	3.86	6	5	ND	1	24	1	2	2	94	.33	.156	6	46	.50	83	.09	4	1.80	.01	.05	1	1
M1T21-285 79200E 79025N	2	125	15	101	.3	74	14	456	3.29	11	5	ND	2	21	1	2	3	86	.31	.036	8	51	.51	79	.11	12	2.37	.01	.04	1	1
M1T21-285 79200E 79000N	1	44	6	50	.3	46	12	215	3.38	7	5	ND	2	25	1	2	2	77	.29	.071	6	58	.82	64	.12	4	2.24	.01	.05	1	2
STD C/AU-S	18	64	43	131	6.7	72	31	965	4.06	40	17	7	37	49	18	17	18	58	.51	.091	38	53	.90	182	.07	32	2.04	.06	.13	12	49

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	AU* PPB
M1T21-285 7940CE 80600N	1	30	5	62	.2	19	11	330	2.92	9	5	ND	1	22	1	2	3	70	.49	.067	5	42	.44	77	.10	5	1.48	.01	.06	1	2
M1T21-285 7940OE 73975N	1	35	6	76	.2	31	12	369	3.15	11	5	ND	1	27	1	2	2	78	.52	.106	5	48	.59	73	.11	6	1.76	.01	.07	3	3
M1T21-285 7940OE 79950N	1	27	11	94	.4	19	12	665	3.13	11	5	ND	1	23	1	2	2	90	.50	.064	5	46	.42	86	.12	5	1.35	.01	.06	1	1
M1T21-285 7940OE 79925N	2	38	12	48	.2	19	7	159	2.43	5	5	ND	1	33	1	2	2	71	.72	.026	7	43	.41	81	.10	4	1.64	.01	.05	2	5
M1T21-285 7940OE 79900N	1	21	10	66	.2	21	11	330	3.40	5	5	ND	1	22	1	2	2	82	.45	.108	6	48	.43	77	.10	6	1.47	.01	.06	1	5785
M1T21-285 7940OE 79875N	1	19	9	58	.3	24	9	180	2.77	10	5	ND	1	20	1	2	4	66	.37	.075	5	43	.41	49	.10	3	1.40	.01	.07	2	3
M1T21-285 7940OE 79850N	1	51	9	89	.3	41	19	790	3.71	14	5	ND	1	29	1	3	2	91	.58	.128	6	63	.75	110	.13	8	2.17	.01	.15	2	1
M1T21-285 7940OE 79825N	1	47	17	88	.3	39	16	420	3.82	14	5	ND	2	38	1	2	2	94	.73	.157	6	67	.85	89	.13	6	2.35	.01	.15	1	11
M1T21-285 7940OE 79800N P	1	69	8	48	.3	38	16	542	3.31	15	5	ND	2	69	1	2	2	83	1.11	.093	8	63	1.00	90	.15	8	2.07	.03	.21	1	4
M1T21-285 7940OE 79775N	1	83	9	52	.3	48	14	459	3.40	16	5	ND	2	58	1	2	2	85	.78	.075	10	79	1.06	83	.13	3	1.98	.02	.14	2	15
M1T21-285 7940OE 79750N	1	46	24	131	.2	30	14	1050	4.51	10	5	ND	1	45	1	2	2	96	.68	.205	6	73	.88	160	.12	4	1.91	.02	.12	1	1
M1T21-285 7940OE 79725N	1	29	11	86	.3	26	10	703	3.16	5	5	ND	1	33	1	2	2	76	.36	.105	6	59	.53	98	.10	3	1.67	.01	.06	2	2
M1T21-285 7940OE 79700N P	1	73	9	137	.5	42	19	1022	4.40	12	5	ND	1	31	1	2	2	97	.70	.121	6	66	.92	96	.13	5	2.85	.02	.11	1	1
M1T21-285 7940OE 79675N P	1	53	11	99	.5	30	14	1563	3.30	3	5	ND	1	30	1	2	2	76	.58	.106	8	51	.65	134	.10	3	1.90	.02	.08	1	2
M1T21-285 7940OE 79650N	1	68	4	63	.3	32	10	657	2.93	9	5	ND	1	55	1	2	2	69	1.15	.087	9	52	.76	104	.07	6	1.75	.01	.05	1	1
M1T21-285 7940OE 79600N	1	46	10	66	.3	28	10	794	2.87	6	5	ND	1	43	1	3	2	73	.78	.070	9	49	.67	105	.08	6	1.50	.01	.05	1	1
M1T21-285 7940OE 79575N	1	65	11	60	.4	19	7	280	2.54	7	5	ND	1	35	1	2	2	69	.50	.045	8	41	.40	94	.07	6	1.37	.01	.05	1	1
M1T21-285 7940OE 79525N	1	57	5	60	.2	30	9	428	2.70	6	5	ND	1	46	1	3	2	64	.91	.066	9	47	.65	92	.07	4	1.61	.01	.04	1	4
M1T21-285 7940OE 79425N	3	41	8	87	.3	29	10	280	4.07	9	5	ND	1	22	1	5	2	93	.36	.175	6	54	.67	56	.07	3	1.87	.01	.04	2	1
M1T21-285 7940OE 79375N	1	28	4	89	.2	22	10	619	3.31	10	5	ND	1	32	1	2	2	87	.49	.051	6	49	.49	152	.11	7	1.84	.01	.05	1	1
M1T21-285 7940OE 79350N	1	39	10	54	.3	30	10	198	3.96	11	5	ND	1	35	1	3	2	101	.49	.056	5	58	.59	68	.11	3	1.65	.01	.05	1	7
M1T21-285 7940OE 79325N	1	24	11	49	.3	11	5	158	2.78	4	5	ND	1	23	1	2	2	87	.33	.048	6	34	.21	66	.09	4	1.07	.01	.03	1	6
M1T21-285 7940OE 79300N	1	25	7	82	.3	21	12	378	3.90	7	5	ND	1	36	1	5	3	86	.51	.197	6	46	.54	66	.09	7	1.76	.01	.07	2	1
M1T21-285 7940OE 79275N P	1	39	7	75	.3	31	13	323	3.80	10	5	ND	1	28	1	2	2	85	.44	.120	7	50	.59	75	.10	5	2.01	.01	.06	1	1
M1T21-285 7940OE 79250N	2	31	7	75	.4	22	10	1030	3.00	5	5	ND	1	37	1	2	2	73	.63	.061	8	36	.54	107	.10	8	1.53	.01	.07	1	1
M1T21-285 7940OE 79200N	2	34	11	70	.5	24	9	750	2.90	4	5	ND	1	48	1	3	2	70	.75	.052	7	41	.44	125	.09	2	1.19	.01	.10	1	1
M1T21-285 7940OE 79175N	4	65	7	80	.5	33	15	2815	3.27	6	5	ND	1	61	1	2	4	83	.94	.053	8	46	.75	122	.10	2	2.11	.01	.07	1	1
M1T21-285 7940OE 79150N	1	20	2	82	.3	19	9	651	2.69	2	5	ND	1	35	1	2	2	62	.46	.115	6	38	.36	86	.08	2	1.19	.01	.06	1	1
M1T21-285 7940OE 79075N	2	38	10	70	.3	26	10	350	3.24	11	5	ND	1	35	1	2	2	78	.71	.064	6	45	.57	62	.09	3	1.57	.01	.05	1	1
M1T21-285 7940OE 79025N	3	35	15	65	.4	11	5	189	3.29	25	5	ND	1	41	1	3	2	103	.41	.049	7	32	.25	71	.09	2	1.24	.01	.06	1	1
M1T21-285 7940OE 79000N P	2	27	14	74	.5	15	8	359	3.35	23	5	ND	1	41	1	2	2	108	.62	.046	5	33	.48	78	.12	2	1.36	.02	.11	1	1
M1T21-285 7960OE 79975N	1	46	11	73	.3	34	13	523	3.61	17	5	ND	1	44	1	3	2	94	.53	.064	6	53	.70	106	.11	2	1.93	.01	.10	1	4
M1T21-285 7960OE 79950N P	1	23	9	56	.3	25	10	248	3.45	5	5	ND	1	19	1	2	2	90	.35	.054	5	47	.45	60	.12	6	1.75	.01	.05	1	1
M1T21-285 7960OE 79925N P	1	98	16	79	.2	46	17	363	4.27	29	5	ND	1	34	1	2	2	101	.68	.146	6	65	.95	84	.14	9	2.93	.02	.13	1	6
M1T21-285 7960OE 79900N	1	46	13	92	.2	28	15	743	4.71	18	5	ND	1	45	1	2	2	105	.65	.189	6	49	.79	110	.07	6	2.37	.01	.07	1	3
M1T21-285 7960OE 79875N P	1	45	12	76	.2	25	11	350	3.09	11	5	ND	1	39	1	3	2	88	.79	.143	7	55	.68	86	.10	5	1.97	.01	.08	1	1
STD C/AU-S	18	61	42	132	6.7	68	30	1041	4.11	43	22	7	37	48	18	15	21	58	.51	.090	38	56	.92	179	.07	36	2.01	.06	.13	11	49

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
M1T21-285 79600E 79850N	1	48	6	55	.2	31	11	322	3.94	14	5	ND	1	30	1	2	2	101	.42	.091	6	55	.67	70	.12	6	2.00	.01	.05	2	8
M1T21-285 79600E 79825N	1	46	2	59	.1	29	11	346	3.87	12	5	ND	1	38	1	4	2	104	.53	.088	6	58	.71	90	.14	6	1.95	.01	.09	1	4
M1T21-285 79600E 79800N	1	43	10	56	.3	38	14	386	3.87	10	5	ND	1	25	1	3	2	98	.39	.061	6	59	.59	84	.11	2	1.99	.01	.04	1	3
M1T21-285 79600E 79775N	1	24	6	56	.2	26	10	223	3.55	8	5	ND	1	23	1	2	3	93	.40	.113	6	54	.51	86	.10	5	1.90	.01	.04	1	2
M1T21-285 79600E 79750N	1	56	2	54	.3	38	14	261	3.75	7	5	ND	2	24	1	2	3	90	.36	.107	7	52	.66	101	.10	8	2.30	.01	.04	1	7
M1T21-285 79600E 79725N	1	44	7	59	.1	44	16	423	3.82	8	5	ND	1	25	1	3	2	93	.38	.129	7	56	.68	111	.10	7	2.51	.01	.04	2	15
M1T21-285 79600E 79700N	1	31	2	66	.1	31	11	236	4.02	6	5	ND	1	21	1	2	2	101	.36	.202	6	56	.57	69	.09	7	2.01	.01	.04	1	13
M1T21-285 79600E 79675N	1	29	4	52	.1	20	10	215	3.76	10	5	ND	1	23	1	3	2	96	.39	.170	6	52	.49	73	.10	2	1.76	.01	.04	1	3
M1T21-285 79600E 79650N	1	34	2	102	.1	24	12	290	3.68	12	5	ND	1	22	1	2	2	87	.40	.201	7	54	.63	94	.05	4	1.96	.01	.04	2	3
M1T21-285 79600E 79625N	1	29	2	67	.1	26	9	228	2.93	7	5	ND	1	23	1	2	2	72	.38	.062	6	53	.58	73	.10	6	1.91	.01	.04	1	3
M1T21-285 79600E 79550N	2	36	3	55	.3	18	6	214	2.47	5	5	ND	1	37	1	2	2	74	.60	.037	7	39	.29	85	.08	9	1.27	.01	.03	1	3
M1T21-285 79600E 79525N	2	26	7	50	.1	22	7	201	3.19	6	5	ND	1	29	1	2	2	94	.37	.025	7	50	.38	94	.12	14	1.31	.01	.03	1	1
M1T21-285 79600E 79400N	1	21	5	47	.1	16	6	169	2.45	4	5	ND	1	24	1	3	2	76	.33	.027	7	49	.35	60	.14	4	1.09	.01	.04	2	4
M1T21-285 79600E 79375N	1	22	2	77	.1	17	8	219	3.28	12	5	ND	1	26	1	2	2	102	.41	.075	7	43	.44	72	.13	8	1.23	.01	.06	1	3
M1T21-285 79600E 79350N	1	22	3	56	.1	18	6	148	2.39	5	5	ND	1	24	1	2	2	96	.38	.023	6	44	.44	64	.12	6	1.46	.01	.05	1	2
M1T21-285 79600E 79250N	2	37	2	61	.1	29	11	311	3.53	12	5	ND	1	36	1	2	2	82	.62	.054	6	55	.74	69	.11	5	1.74	.01	.07	1	3
M1T21-285 79600E 79225N	3	47	8	74	.2	26	11	225	4.40	19	5	ND	1	44	1	2	2	113	.84	.046	7	59	.50	84	.13	4	1.65	.01	.08	1	4
M1T21-285 79600E 79025N	1	(114)	2	76	.2	41	16	443	3.77	16	5	ND	1	79	1	2	2	92	.69	.077	9	56	.98	105	.12	6	2.40	.02	.12	2	4
M1T21-285 79800E 80000N	1	53	6	45	.1	32	11	217	3.18	11	5	ND	1	26	1	2	2	82	.37	.071	7	47	.62	102	.12	6	2.05	.01	.04	2	4
M1T21-285 79800E 79950N	2	24	9	87	.1	13	6	272	3.31	15	5	ND	1	43	1	2	2	82	.38	.132	8	35	.36	87	.09	5	1.27	.01	.09	1	2
M1T21-285 79800E 79925N	1	71	2	49	.1	33	13	311	3.09	16	5	ND	1	29	1	2	2	81	.51	.074	6	47	.68	89	.11	5	1.78	.01	.05	1	9
M1T21-285 79800E 79875N	1	54	5	75	.1	24	11	352	4.05	12	5	ND	1	34	1	2	2	105	.37	.102	7	52	.55	79	.10	5	1.86	.01	.07	1	4
M1T21-285 79800E 79850N	1	55	12	101	.2	41	15	481	4.90	15	5	ND	1	37	1	2	2	115	.43	.151	7	72	.89	114	.12	5	2.69	.01	.07	2	2
M1T21-285 79800E 79825N	1	84	7	115	.2	71	19	363	5.08	15	5	ND	1	67	1	2	2	115	.47	.181	5	108	1.38	167	.12	7	3.30	.01	.11	1	2
M1T21-285 79800E 79800N	1	37	14	102	.2	34	13	402	3.60	8	5	ND	1	45	1	2	2	91	.52	.066	6	62	.61	103	.11	5	1.94	.01	.10	1	1
M1T21-285 79800E 79775N	1	57	8	76	.1	30	14	1061	3.19	10	5	ND	1	43	1	2	2	76	.91	.083	9	50	.82	120	.10	7	1.85	.02	.08	1	8
M1T21-285 79800E 79750N	1	50	11	66	.1	37	14	301	3.25	12	5	ND	1	23	1	3	2	79	.45	.131	7	51	.71	99	.10	10	1.82	.01	.05	1	4
M1T21-285 79800E 79725N	1	40	7	68	.1	34	12	267	3.97	10	5	ND	1	25	1	2	3	96	.40	.079	6	57	.66	92	.12	8	2.15	.01	.04	1	543
M1T21-285 79800E 79700N	1	23	7	42	.1	17	6	143	2.27	6	5	ND	1	24	1	2	2	74	.34	.020	6	37	.42	92	.10	5	1.43	.01	.03	1	5
M1T21-285 79800E 79625N	1	31	5	55	.1	15	6	181	2.72	5	5	ND	1	36	1	2	2	77	.56	.030	7	41	.35	67	.10	7	1.37	.01	.03	1	6
M1T21-285 79800E 79600N	1	51	4	64	.4	32	11	275	3.61	7	5	ND	1	24	1	2	2	86	.40	.102	7	53	.69	99	.11	6	2.00	.01	.04	1	6
M1T21-285 79800E 79575N	1	33	5	53	.1	22	7	175	2.44	5	5	ND	1	28	1	2	3	70	.43	.026	6	44	.43	80	.10	11	1.49	.01	.03	1	8
M1T21-285 79800E 79425N	1	23	5	118	.1	26	14	388	4.60	7	5	ND	2	18	1	3	2	101	.28	.202	8	55	.71	82	.11	3	1.82	.01	.07	1	2
M1T21-285 79800E 79400N	1	43	2	58	.1	36	12	257	3.45	12	5	ND	2	24	1	2	3	82	.39	.073	7	54	.63	87	.12	6	2.28	.01	.04	2	4
M1T21-285 79800E 79300N	1	30	7	91	.2	17	10	459	4.14	9	5	ND	1	33	1	2	2	110	.50	.063	6	44	.40	93	.11	3	1.45	.01	.09	1	2
M1T21-285 79800E 79200N	2	25	7	54	.2	6	4	99	2.03	4	5	ND	1	32	1	2	2	69	.58	.026	6	29	.17	58	.09	3	.85	.01	.03	1	1
STD C/AU-S	17	61	41	132	7.1	67	31	1043	4.01	42	19	7	36	49	18	14	22	58	.51	.089	38	56	.90	175	.07	32	1.92	.06	.14	12	53

NORANDA EXPLORATION CO. LTD. PROJECT [illegible]7-068 285 FILE # 89-2330 Pag[illegible]

SAMPLE#		Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	AU* PPB
M1T21-285	89600E 80000N	1	18	9	71	.2	15	7	170	3.22	6	5	ND	1	17	1	2	2	80	.25	.088	5	42	.32	49	.03	2	1.40	.01	.04	1	2
M1T21-285	89600E 79975N	1	45	12	93	.2	28	11	299	4.32	15	5	ND	1	27	1	2	2	96	.46	.075	5	56	.71	54	.10	6	2.27	.01	.06	1	5
M1T21-285	89600E 79950N	1	21	8	73	.3	19	8	263	2.86	9	5	ND	1	19	1	2	2	70	.36	.113	5	42	.37	54	.09	3	1.36	.01	.06	1	3
M1T21-285	89600E 79925N	1	33	9	53	.2	25	9	277	3.07	6	5	ND	1	26	1	2	2	77	.59	.056	5	42	.45	72	.08	2	1.66	.01	.07	1	3
M1T21-285	89600E 79900N	1	16	16	59	.2	14	7	299	2.50	4	5	ND	1	20	1	2	2	62	.47	.067	5	34	.33	70	.10	4	1.21	.01	.05	1	1
M1T21-285	89600E 79875N	1	46	10	55	.2	22	9	236	3.49	9	5	ND	1	19	1	2	2	97	.45	.119	5	68	.75	88	.13	2	1.91	.01	.10	1	4
M1T21-285	89600E 79850N	1	37	12	53	.1	33	11	240	3.05	6	5	ND	1	24	1	2	2	75	.47	.065	5	52	.63	61	.12	3	1.76	.01	.08	1	3
M1T21-285	89600E 79825N	1	40	11	80	.3	33	13	304	3.52	21	5	ND	1	22	1	2	2	74	.42	.185	5	55	.62	83	.10	5	2.16	.01	.08	1	38
M1T21-285	89600E 79800N P	1	102	8	61	.1	40	16	668	4.19	9	5	ND	1	42	1	2	2	96	1.01	.102	7	66	1.35	90	.13	4	2.16	.03	.10	1	157
M1T21-285	89600E 79775N	1	89	5	163	.1	39	17	625	3.65	13	5	ND	1	29	1	3	2	84	.57	.094	9	64	.94	93	.12	5	2.00	.01	.09	1	5
M1T21-285	89600E 79750N P	1	44	8	91	.6	28	12	1579	3.30	11	5	ND	1	32	1	2	3	81	.55	.121	5	55	.76	171	.10	3	1.50	.02	.06	1	5
M1T21-285	89600E 79725N	2	39	10	59	.4	22	8	556	3.22	8	5	ND	1	22	1	2	2	79	.31	.121	4	43	.51	127	.08	3	1.31	.01	.04	1	12
M1T21-285	89600E 79700N	1	16	7	56	.1	17	9	305	3.19	5	5	ND	1	19	1	3	2	77	.32	.110	5	40	.36	82	.08	3	1.34	.01	.03	1	3
M1T21-285	89600E 79675N	2	22	9	46	.2	18	8	384	2.84	10	5	ND	1	20	1	3	2	78	.26	.071	4	42	.29	98	.09	3	.94	.01	.02	1	3
M1T21-285	89600E 79650N	1	15	9	43	.1	16	6	161	2.62	10	5	ND	1	17	1	2	3	65	.27	.084	5	36	.31	56	.08	2	1.23	.01	.03	2	1
M1T21-285	89600E 79625N	1	29	3	48	.1	20	8	369	3.23	13	5	ND	1	21	1	2	3	99	.29	.080	4	42	.41	83	.10	3	1.20	.01	.04	1	8
M1T21-285	89600E 79600N	1	45	14	85	.2	45	9	251	3.13	26	5	ND	1	36	1	2	3	81	.53	.060	5	69	.95	95	.13	3	1.73	.01	.05	2	12
M1T21-285	89600E 79450N P	1	62	13	60	.3	30	12	439	3.64	11	5	ND	1	23	1	3	3	88	.39	.097	6	52	.66	83	.09	4	1.86	.01	.04	1	6
M1T21-285	89600E 79425N	1	18	10	67	.2	14	6	470	2.70	13	5	ND	1	20	1	2	3	75	.30	.062	4	32	.24	101	.10	7	.98	.01	.03	1	10
M1T21-285	89600E 79400N	1	62	9	69	.2	38	15	442	3.69	12	5	ND	1	30	1	2	2	97	.40	.089	5	47	.81	109	.11	2	2.41	.01	.05	1	13
M1T21-285	89600E 79375N P	1	27	9	91	.2	16	11	489	3.73	12	5	ND	1	29	1	2	2	105	.64	.086	5	38	.66	88	.15	6	1.23	.02	.10	1	1
M1T21-285	89600E 79300N P	1	39	8	77	.4	14	7	547	2.62	7	5	ND	1	45	1	3	3	77	.90	.040	4	27	.39	215	.13	3	1.04	.02	.09	1	1
M1T21-285	89600E 79275N P	1	56	4	65	.2	23	12	423	3.30	12	5	ND	1	36	1	2	2	94	.58	.065	6	39	.89	92	.13	3	2.48	.02	.07	1	6
M1T21-285	89600E 79250N P	1	54	13	70	.2	29	15	590	3.77	8	5	ND	1	44	1	2	3	88	.95	.074	6	41	1.09	92	.13	5	2.30	.02	.10	1	2
M1T21-285	89600E 79225N P	1	29	8	66	.3	12	6	304	2.00	6	5	ND	1	38	1	3	2	56	.81	.037	4	24	.29	121	.06	4	.30	.01	.06	1	3
M1T21-285	89600E 79200N P	1	35	15	113	.2	24	12	418	3.57	11	5	ND	1	39	1	3	2	91	.83	.077	5	43	.90	93	.14	4	1.75	.02	.11	1	4
M1T21-285	89600E 79175N	1	29	15	114	.3	22	12	1040	4.31	24	5	ND	1	37	1	2	3	105	.47	.104	4	49	.54	133	.09	5	1.65	.01	.08	1	4
M1T21-285	89600E 79125N	1	29	14	184	.2	21	14	1101	4.53	25	5	ND	1	40	1	2	2	101	.67	.138	4	40	.55	122	.08	2	1.82	.01	.07	1	1
M1T21-285	89600E 79100N	1	238	17	318	.6	85	26	4123	5.20	21	5	ND	1	96	3	2	2	116	1.75	.095	4	145	2.10	172	.14	2	2.86	.01	.15	1	4
M1T21-285	89600E 79075N	1	1237	14	178	.5	97	21	737	5.09	31	5	ND	1	109	1	2	2	121	1.68	.058	4	160	2.47	98	.15	2	3.07	.01	.17	1	1
M1T21-285	89600E 79050N P	3	1103	35	119	.3	34	13	397	5.24	49	5	ND	1	68	2	6	2	146	1.12	.048	4	63	.21	97	.21	4	1.22	.02	.11	1	1
M1T21-285	89600E 79025N	2	72	17	178	.3	25	14	583	6.55	45	5	ND	1	55	1	5	2	153	.67	.076	4	77	.51	108	.10	3	1.77	.01	.08	1	3
STD C/AU-S		18	62	38	132	6.5	70	31	1028	4.09	41	18	6	37	48	18	15	23	58	.52	.091	38	56	.93	185	.07	34	2.02	.06	.14	12	51

APPENDIX 5.

ANALYTICAL METHOD

DESCRIPTIONS FOR GEOCHEMICAL ASSESSMENT REPORTS

The methods listed are presently applies to analyse geological materials by the Noranda Geochemical Laboratory at Vancouver. (March, 1984).

Preparation of Samples

Sediments and soils are dried at approximately 80°C and sieved with a 80 mesh nylon screen. The -80 mesh (0.18 mm) fraction is used for analysis.

Rock specimens are pulverized to -120 mesh (0.13 mm). Heavy mineral fractions (panned samples) are analysed in its entirety, when it is to be determined for gold without further sample preparation. See addendum.

Analysis of Samples

Decomposition of a 0.200 g sample is done with concentrated perchloric and nitric acid (3:1), digested for 5 hours at reflux temperature. Pulps of rock or core are weighed out at 0.2 g or less depending on the matrix of the rock, and twice as much acid is used for decomposition than that is used for silt or soil.

The concentrations of Ag, Cd, Co, Cu, Fe, Mn, Mo, Ni, Pb, V and Zn (all from the group A elements of the fee schedule) can be determined directly from the digest (dissolution) with an atomic absorption spectrometer (AA). A Varian-Techtron Model AA-5 or Model AA-475 is used to measure elemental concentrations.

Elements Requiring Specific Decomposition Method

Antimony - Sb: 0.2 g sample is attached with 3.3 mL of 6% tartaric acid, 1.5 mL conc. hydrochloric acid and 0.5 mL of conc. nitric acid, then heated in a water bath for 3 hours at 95°C. Sb is determined directly from the acid solution with an AA-475 equipped with electrodeless discharge lamp (EDL).

Arsenic - As: 0.2 - 0.4 g sample is digested with 1.5 mL of 70% perchloric acid and 0.5 mL of conc. nitric acid. A Varian AA-475 equipped with an As-EDL measures the arsenic concentration of the digest.

Barium - Ba: 0.1 g sample is decomposed with conc. perchloric, nitric and hydrofluoric acid. Atomic absorption using a nitrous oxide-acetylene flame determines Ba from the aqueous solution.

Bismuth - Bi: 0.2 g - 0.3 g is digested with 2.0 mL of perchloric 70% and 1.0 mL of conc. nitric acid. Bismuth is determined directly from the digest into the flame of the AA instrument c/w EDL.

Gold - Au: 10.0 g sample (Pan-concentrates see below) is digested with aqua regia (1 part nitric and 3 parts hydrochloric acid). Gold is extracted with Methyl iso-Butyl ketone (MIBK) from the aqueous solution. Gold is determined from the MIBK solution with flame AA.

Magnesium - Mg: 0.05 g - 0.10 g sample is digested with 4 mL perchloric/nitric acid (3:1). An aliquot is taken to reduce the concentration to within the range of atomic absorption. The AA-475 with a nitrous oxide flame determines Mg from the aqueous solution.

Tungsten - W: 1.0 g sample sintered with a carbonate flux and thereafter leached with water. The leachate is treated with potassium thiocyanate. The yellow tungsten thiocyanate is extracted into tri-n-butyl phosphate. This permits colourimetric comparison with standards to measure tungsten concentration.

Uranium - U: An aliquot, taken from a perchloric-nitric (3:1) decomposition, usually from the multi-element digestion, is diluted with water and a phosphate buffer. This solution is exposed to laser light, and the luminescence of the uranyl ion is quantitatively measured on the UA-3 (Scintrex).

LOWEST VALUES REPORTED IN PPM

Ag - 0.2	Mn - 20	Zn - 1	Au - 0.1 (10 ppb)
Cd - 0.2	Mo - 1	Sb - 1	W - 2
Co - 1	Ni - 1	As - 1	U - 0.1
Cu - 1	Pb - 1	Ba - 10	
Fe - 100	V - 10	Bi - 1	

WITCH LAKE

WS6

WS5

WS4

WS2

MITZE 1

MITZE 2

MITZE 3

MITZE 4

81600N
81400N
81200N
81000N
80800N
80600N
80400N
80200N
80000N BASELINE 90°
79800N
79600N
79400N
79200N
79000N

75800E 76000E 76200E 76400E 76600E 76800E 77000E 77200E 77400E 77600E 77800E 78000E 78200E 78400E 78600E 78800E 79000E 79200E 79400E 79600E 79800E 80000E

4,197,000 m N

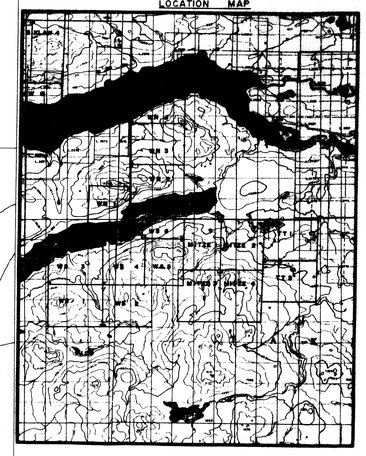
55° 07'

1000

1250

LCP

LOCATION MAP



SCALE 1 : 100,000

LEGEND

30 Soil Geochem Survey Au(ppb)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

19,184

Map Sheet Index

2 | 1

SCALE 1 : 5,000

REVISED	MITZE OPTION
	SOIL GEOCHEM SURVEY Au(ppb)
PROJ. No. 285	SURVEY BY: B.C., K.C. DATE: June, 1989
N.T.S. 93N/1.	DRAWN BY: S.K.B. SCALE: 1:5,000
DWG. No. FIG. 4	NORANDA EXPLORATION
	OFFICE: PRINCE GEORGE, B.C.

WITCH LAKE

WS6

WS5

WS4

WS2

MITZE 1

MITZE 2

MITZE 3

MITZE 4

81600N
81400N
81200N
81000N
80800N
80600N
80400N
80200N
80000N BASELINE 90°
79800N
79600N
79400N
79200N
79000N

79800E
79600E
79400E
79200E
79000E
78800E
78600E
78400E
78200E
78000E
77800E
77600E
77400E
77200E
77000E
76800E
76600E
76400E
76200E
76000E
75800E

1000
1250

L.C.P.

6,107,000 mN

LOCATION MAP

SCALE 1 : 100,000

LEGEND

44 Soil Geochem Survey Cu (ppm)

GEOLOGICAL BRANCH
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Map Sheet Index

2	1

0 100 200 300 400 500m
SCALE 1 : 5,000

REVISED	MITZE OPTION
	SOIL GEOCHEM SURVEY
	Cu (ppm)
PROJ. No. 285	SURVEY BY: B.C., R.C. DATE: June, 1989
N.T.S. 93 N/1	DRAWN BY: S.K.B. SCALE: 1 : 5,000
DWG. No. FIG. 5	NORANDA EXPLORATION
	OFFICE PRINCE GEORGE, B.C.