

ARIS SUMMARY SHEET

District Geologist, Prince George

Off Confidential: 89.04.22

ASSESSMENT REPORT 17442

MINING DIVISION: Omineca

PROPERTY: Dolly  
LOCATION: LAT 56 18 43 LONG 125 24 38  
UTM 10 6243196 350883  
NTS 094C06W

CLAIM(S): Dolly 1-2  
OPERATOR(S): Skylark Res.  
AUTHOR(S): McAtee, C.L.  
REPORT YEAR: 1988, 35 Pages

GEOLOGICAL  
SUMMARY:

The claims are underlain by greenstone, dark green tuffs, argillite, phyllite and graphitic schist. Quartz-carbonate veins, veinlets and stringers are associated with strong northwest trending shear zones.

WORK

DONE: Geological, Geochemical  
GEOL 416.0 ha  
ROCK 19 sample(s) ;ME  
SILT 4 sample(s) ;ME  
SOIL 125 sample(s) ;ME  
MINFILE: 094C 015,094C 041,094C 042

LOG NO: 0603	RD.
ACTION:	
FILE NO:	

GEOLOGICAL REPORT

ON THE

[REDACTED], DOLLY 1 & 2, [REDACTED]  
[REDACTED] CLAIMS

FILMED

Aiken Lake Area  
Omineca Mining Division, British Columbia

[REDACTED]  
94C/6W  
[REDACTED]

Latitude 56°12'15" to 56°21'34"  
Longitude 125°19'30" to 125°42'31"

For

OPERATOR:

Skylark Resources Ltd.  
#902 - 837 West Hastings Street  
Vancouver, B.C.  
V6C 1B6

OWNER:

John M. Mirko  
Vancouver, B.C.  
By

Christopher L. McAtee, B.Sc., M.Sc.

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

17,442

April, 1988

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APPENDIX 4	Assay Results - Dolly 1 and 2 Claims

## Location, Access, and Physiography

The Ice, Matel, Black Gold, and Dolly 1 and 2 claims are located 315 to 345 kms. northwest of Prince George, B.C. from 56 12'15" to 56 21'34" North latitude, and from 125 19'30" to 125 42'31" West longitude (Figure 1).

Although the Black Gold, Matel, Dolly 1 and 2, and Ice claims are located 2.5, 22, 5, and 16 kms. from the Omineca road respectively, access was by helicopter from the Moose Valley airstrip, 65 kms. northwest of Aiken Lake.

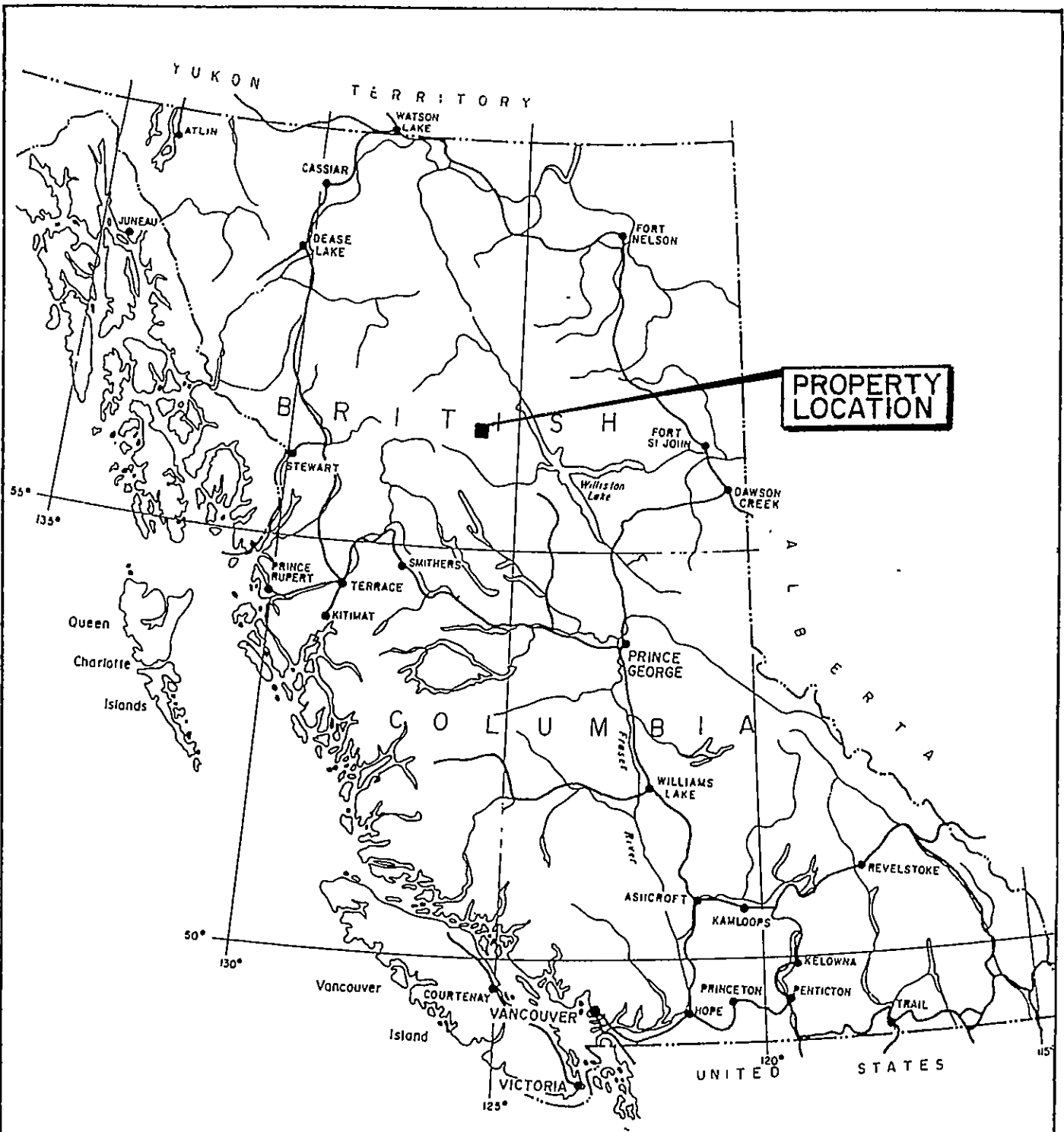
The Ice, Matel, Black Gold, and Dolly 1 and 2 claims lie within the Omineca Mountains of the Central Plateau and Mountain area of the Canadian Cordillera. The area is rugged with relief of 600 to 1040 metres and elevations from 940 to 2341 metres above sea level.

The Dolly 1 and 2 claims lie in the gentle valley of the Tutizika River, which cuts a 20 metre deep canyon through the bedrock (Figure 2).

The Ice claim, which lies near the headwaters of Dortatelle Creek in the Sustut-Skeena River system, is in extremely rugged terrain of 1600 to 2341 metres above sea level (Figure 3).

The Matel claim lies at the headwaters of Etschitka and Matetlo Creeks which are tributaries of the Tutizika River. Part of a 1/2 km square glacier lies in the northwest corner of the claim (Figure 4).

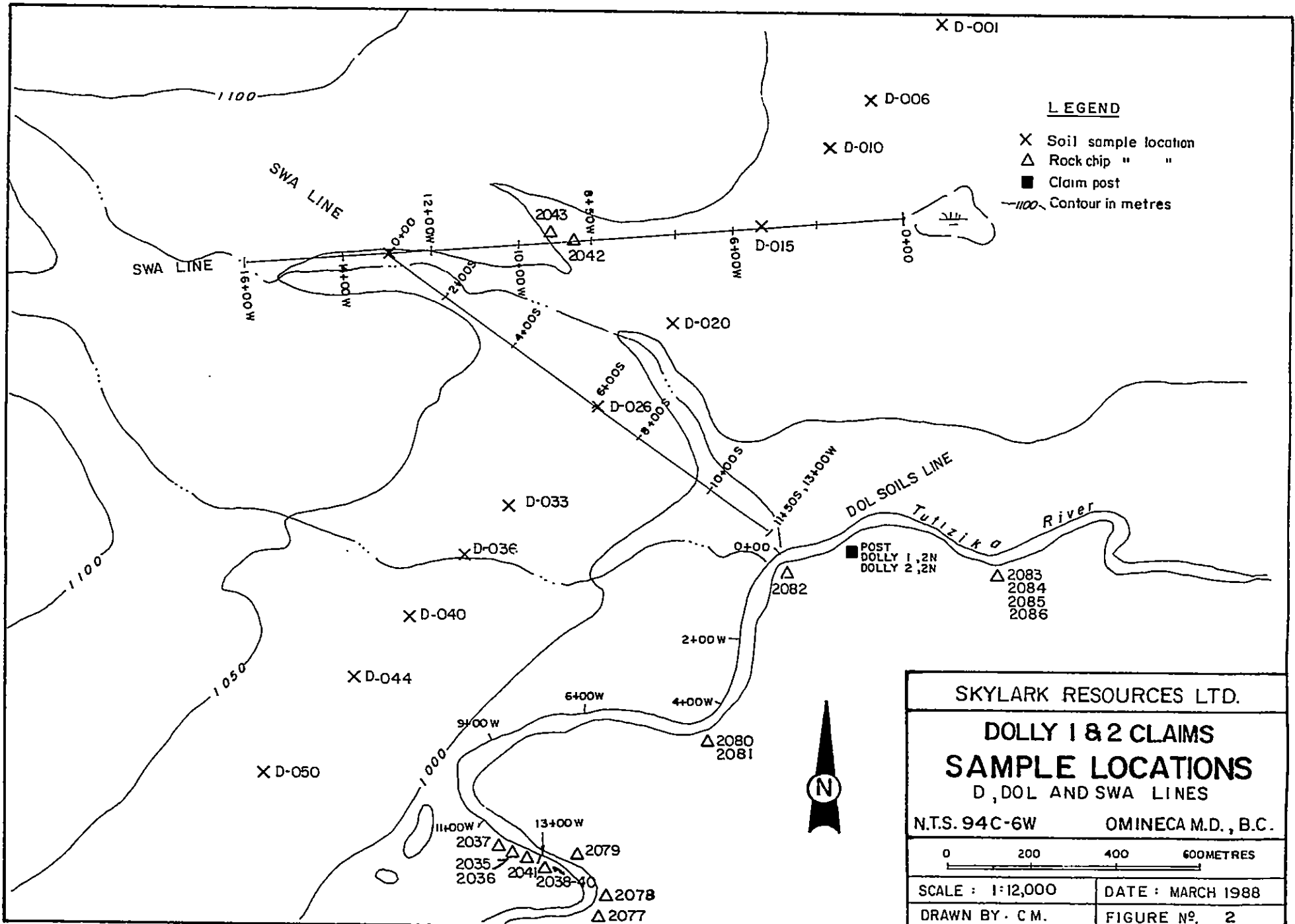
The Black Gold claim is also in rugged terrain at an elevation of 1140 to 2180 metres above sea level. The centre of the claim is located 4 kms. northeast of Blackpine Lake near the



**PROPERTY  
LOCATION**

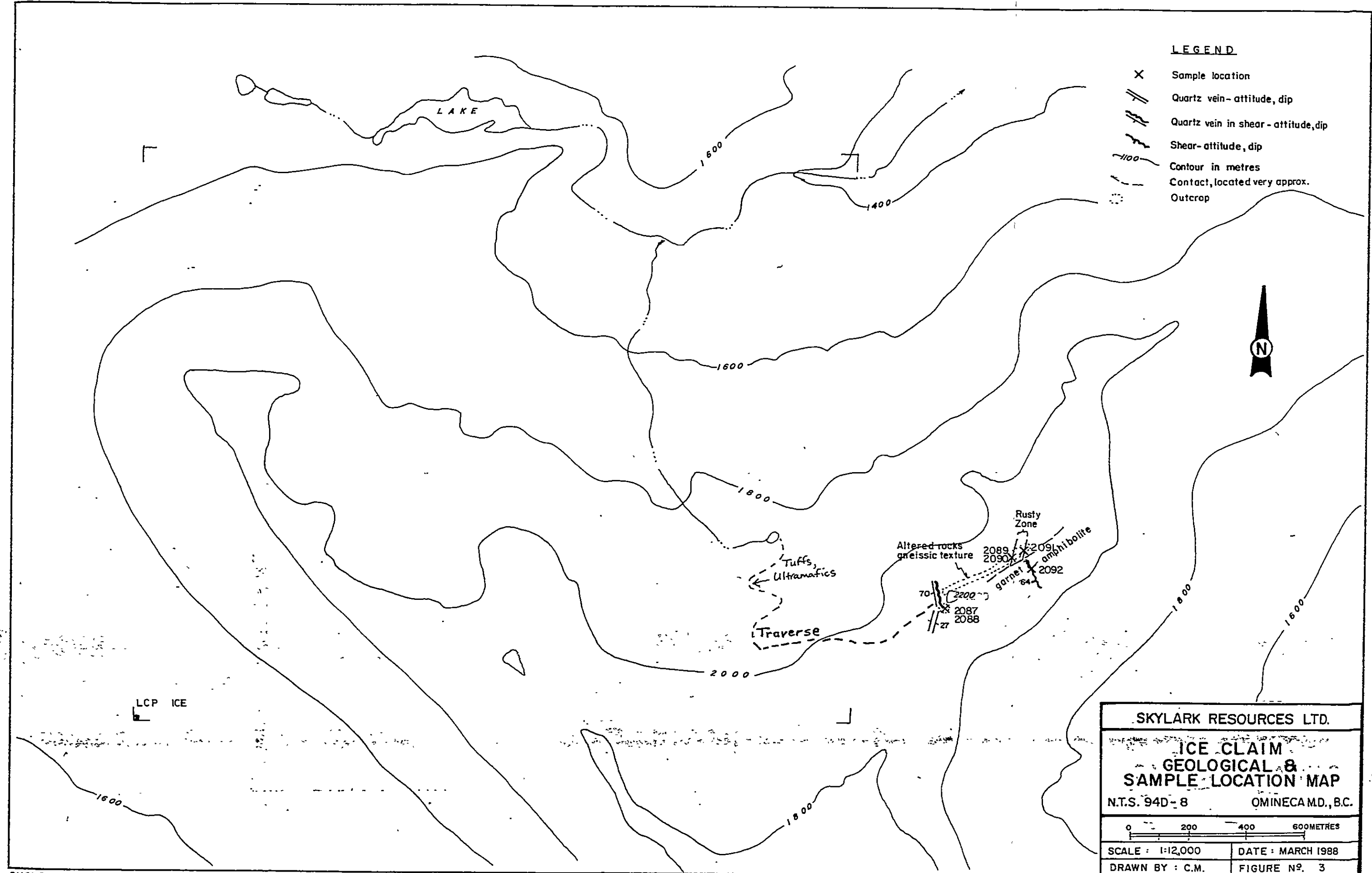


<b>SKYLARK RESOURCES LTD.</b>	
ICE, MATEL, BLACK GOLD, DOLLY 1 & 2 CLAIMS	
<b>LOCATION MAP</b>	
N.T.S. 94 C - 4, 6, 8	OMINECA M.D., B.C.
0 100 200 500KM.	
SCALE AS SHOWN	DATE: FEB. 1988
DRAWN BY: C.M.	FIGURE Nº. 1



**LEGEND**

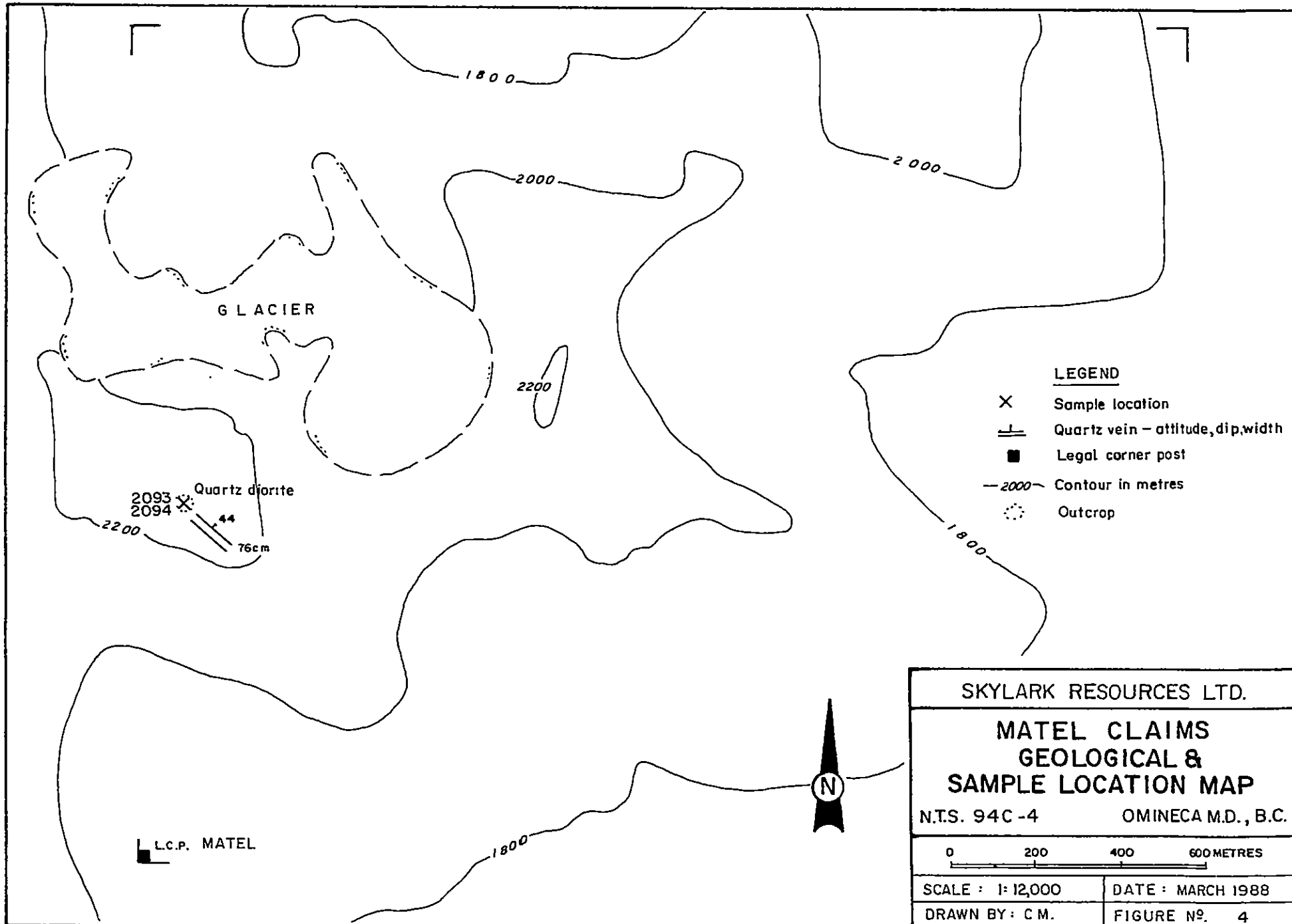
- X Sample location
- ||| Quartz vein - attitude, dip
- ||| Quartz vein in shear - attitude, dip
- ~ Shear - attitude, dip
- 100 Contour in metres
- - - Contact, located very approx.
- Outcrop



SKYLARK RESOURCES LTD.	
ICE CLAIM GEOLOGICAL & SAMPLE LOCATION MAP	
N.T.S. 94D-8	OMINECA M.D., B.C.
0 200 400 600 METRES	
SCALE : 1:12,000	DATE : MARCH 1988
DRAWN BY : C.M.	FIGURE NO. 3

CHONG





GLACIER

2093 X  
2094 X

Quartz diorite

44  
76cm

L.C.P. MATEL

**LEGEND**

- X Sample location
- ⊥ Quartz vein - attitude, dip, width
- Legal corner post
- 2000- Contour in metres
- ⊙ Outcrop

SKYLARK RESOURCES LTD.	
<b>MATEL CLAIMS GEOLOGICAL &amp; SAMPLE LOCATION MAP</b>	
N.T.S. 94C-4	OMINECA M.D., B.C.
0      200      400      600 METRES	
SCALE : 1:12,000	DATE : MARCH 1988
DRAWN BY : C.M.	FIGURE NO. 4



SKYLARK RESOURCES LTD.	
BLACK GOLD CLAIM	
GEOLOGY AND	
SAMPLE LOCATIONS	
N.T.S. 94 C -6	OMINECA M.D., B.C.
0 200 400 600 METRES	
SCALE : 1 : 12,000	DATE : MARCH 1988
DRAWN BY : C.M.	FIGURE N <sup>o</sup> . 5



**LEGEND**

- X Rock chip sample location
- ..... Outcrop
- Elevation metres above sea level
- - - Traverse

confluence of the Tutizika and Mesilinka Rivers (Figure 5).

Bedrock exposure on the claims is excellent above treeline. Glacio-fluvial deposits cover the Dolly 1 and 2 claims, with bedrock exposed in the Tutizika River canyon and its' tributaries.

### Property Claim Status

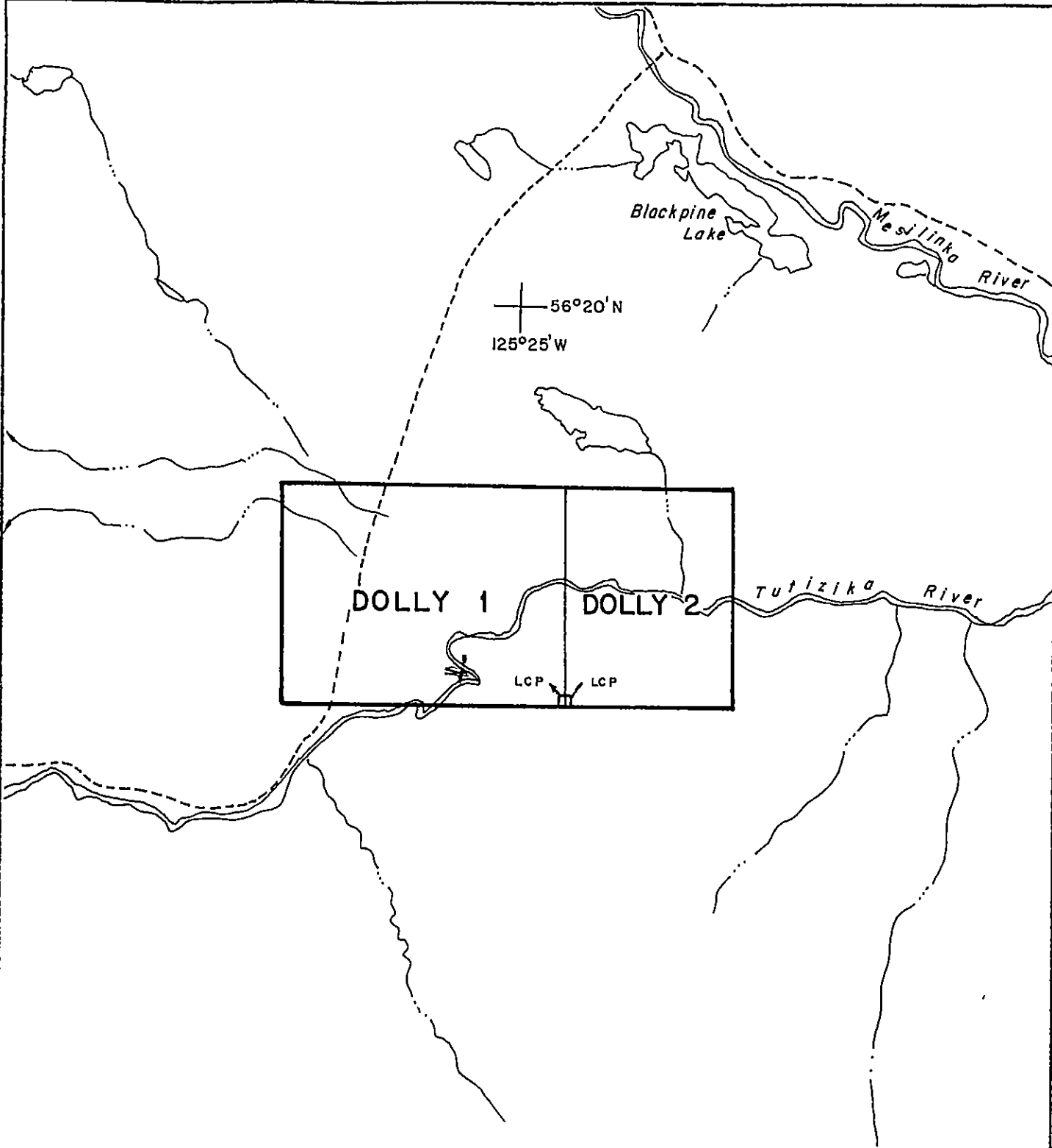
The Ice, Matel, Dolly 1, Dolly 2, and Black Gold claims are owned by John M. Mirko, of 451 Hermosa Ave., North Vancouver, B.C. The claim details are as follows:

<u>CLAIM</u>	<u>UNITS</u>	<u>RECORD NO.</u>	<u>ANNIVERSARY DATE</u>
ICE	20	8327	April 23, 1988
MATEL	20	8328	April 23, 1988
BLACK GOLD	20	8329	April 23, 1988
DOLLY 1	20	8348	April 23, 1988
DOLLY 2	12	8349	April 23, 1988

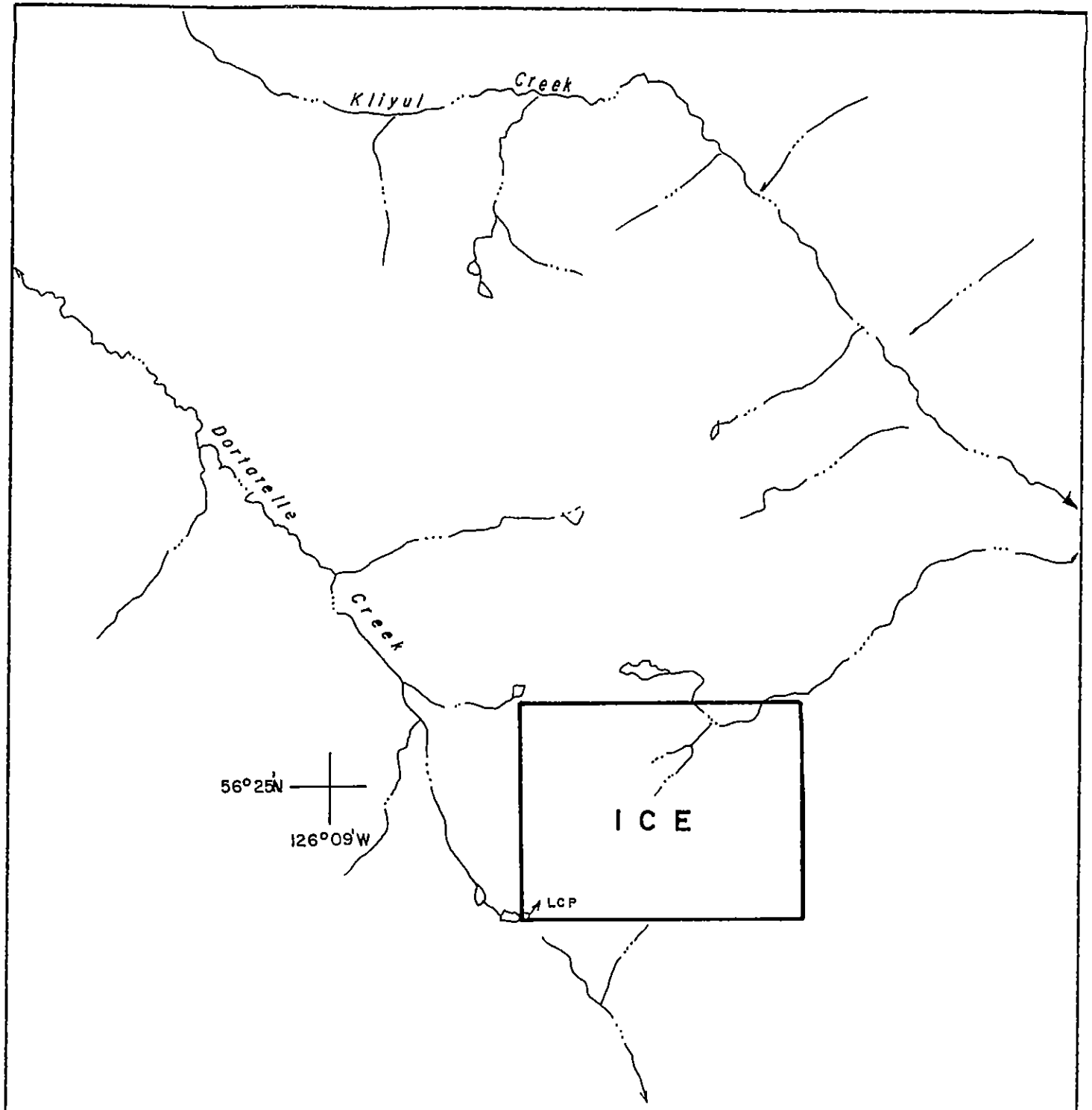
Claim maps for the above claims are shown as Figures 6, 7, 8, and 9.

### Property History

Prospecting has been active in the area since the turn of the century when placer gold deposits were worked on Jim May Creek and on the Ingenika River. Much prospecting and development work was carried out by Cominco in the 1930's and 1940's. A few major and junior mining companies explored for porphyry copper-molybdenum and Mississippi valley lead-zinc type deposits in the 1960's and 1970's. Some exploration for precious metals was done in the late 1970's and 80's by various companies but was soon eclipsed by new gold discoveries in the Toodoggone area. No

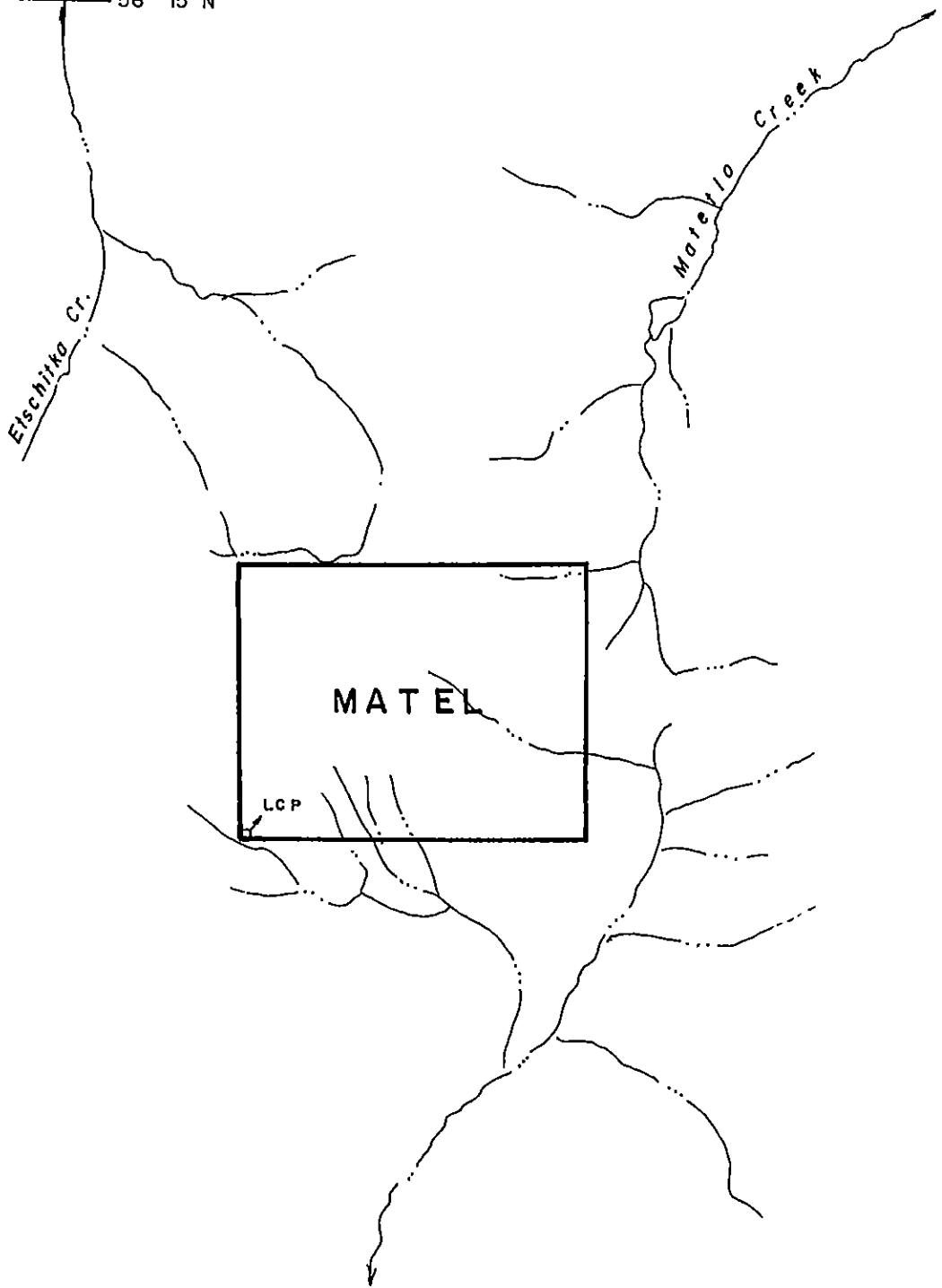


SKYLARK RESOURCES LTD.	
<b>DOLLY 1 &amp; 2 CLAIMS CLAIM MAP</b>	
N.T.S. 94C - 6W	OMINECA M.D., B.C.
SCALE 1:50,000	DATE · MARCH 1988
DRAWN BY · C M	FIGURE NO. 6

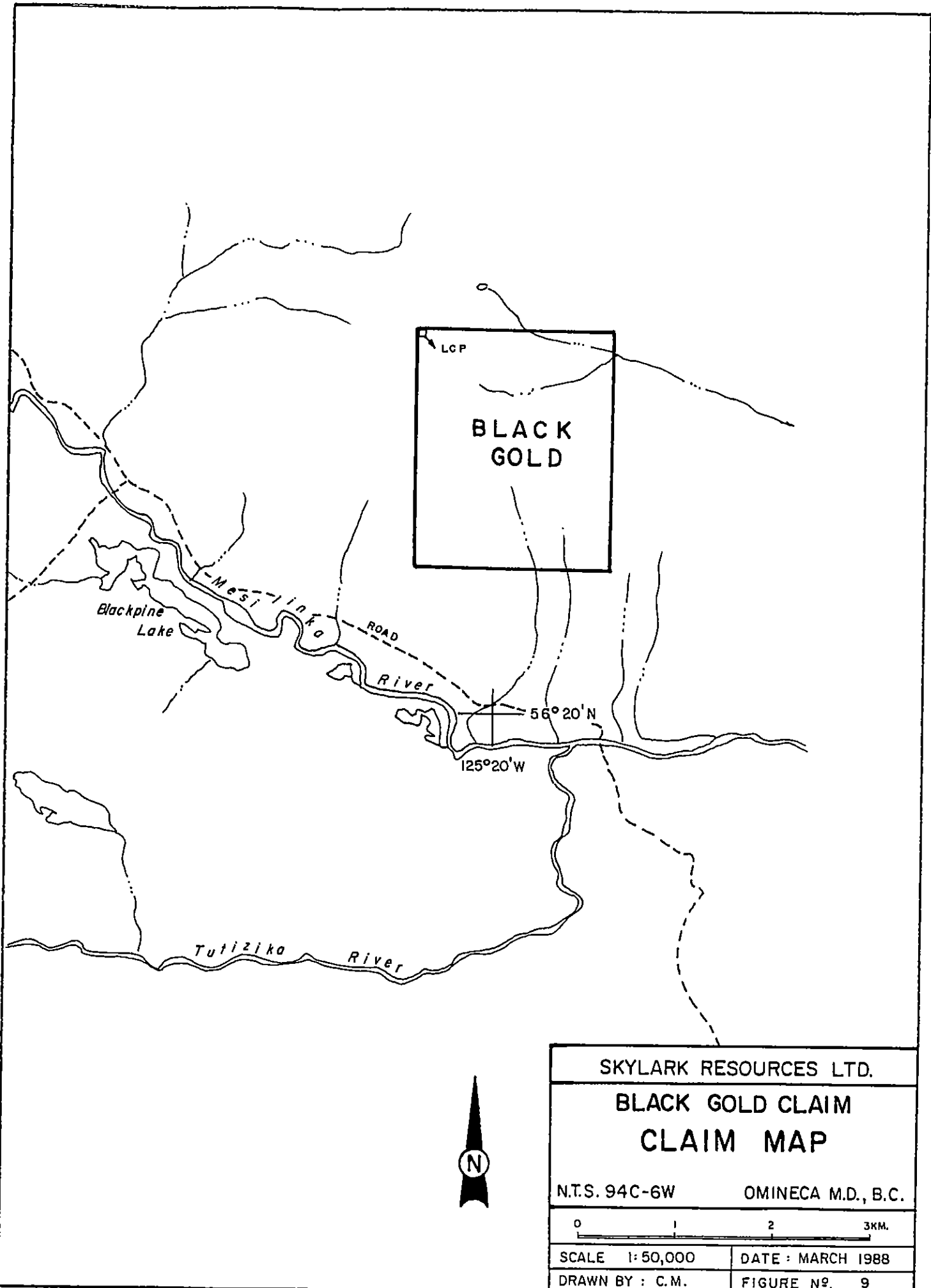


SKYLARK RESOURCES LTD.	
<b>ICE CLAIM CLAIM MAP</b>	
N.T.S. 94 D-8E	OMINECA M.D., B.C.
SCALE 1:50,000	DATE: MARCH 1988
DRAWN BY: C.M.	FIGURE NO. 7

125° 45' W  
56° 15' N



SKYLARK RESOURCES LTD.	
MATEL CLAIM CLAIM MAP	
N.T.S. 94 C-4E	OMINECA M.D., B.C.
0 1 2 3KM.	
SCALE 1:50,000	DATE: MARCH 1988
DRAWN BY: C.M.	FIGURE No. 8



SKYLARK RESOURCES LTD.

**BLACK GOLD CLAIM  
CLAIM MAP**

N.T.S. 94C-6W      OMINECA M.D., B.C.



SCALE 1:50,000      DATE: MARCH 1988

DRAWN BY: C.M.      FIGURE NO. 9

economic ore bodies have been developed in the Aiken Lake area to date.

### Exploration Procedure

Field work was carried out by Chris McAtee, geologist, Doug Hopper and John Sveen, prospectors, as well as Tom Smith, assistant, from July 12 to August 3, 1987. A camp was established near Aiken Lake.

Work was of a reconnaissance nature. Prospecting, rock chip sampling, and mapping of veins and alteration zones were conducted on the Ice, Matel, and Black Gold claims. On the Dolly 1 and 2 claims, geological mapping, prospecting, silt, soil, and rock chip sampling were carried out. The table below summarizes the work program.

<u>CLAIM</u>	<u>WORK PROGRAM</u>
Ice	6 rock samples
Black Gold	3 rock samples
Dolly 1 & 2	125 soil samples 4 silt samples 19 rock samples
	8.15 kms. reconnaissance lines
Matel	2 rock samples

### Regional Geology

The Ice, Matel, Dolly 1 and 2, and Black Gold claims occur within the 1:253,440 scale Aiken Lake map area (Roots, 1954).

Regionally, Tenakihi group metamorphic rocks, Takla group sedimentary and volcanic rocks, and unnamed interbedded



volcanic and sedimentary rocks are intruded by Omineca intrusives of Mesozoic age. Northeast of Blackpine Lake, Wolverine Complex amphibolites, quartzites, and skarns are present.

Structurally, beds of the Tenakihi group have been deformed into a series of compound folds that have overwhelmed earlier more north-trending folds. Northwesterly faulting plays a major role in localizing mineralization both regionally and locally.

### Property Geology, Mineralization, and Results

#### Dolly 1 and 2 Claims

The Stranger group, which was staked in 1929, was staked on a narrow network of quartz and quartz-calcite veins, sparsely mineralized with pyrite and chalcopyrite in a slaty black sheared argillite. Some of the veins are massive, barren of sulphides, and up to 38 cm wide, but more commonly consist of discontinuous 6 to 26 mm wide veinlets and stringers. The veinlets and stringers are commonly associated with weak to strong shear zones, as are quartz-calcite breccias often containing pyrite and chalcopyrite.

Bedrock in the area investigated in 1987 consists of greenstone, dark green tuffs, argillite, phyllite, and graphitic schist. The greenstone is often hematite stained and altered. These rocks most likely correspond with the unnamed interbedded volcanic and sedimentary upper Paleozoic rocks described by Roots (Roots, 1954). Several mercury showings are shown on Roots' geology map of the property area.

Strong northwest-southeast trending shear zones, which

probably control mineralization, were mapped on the property in the Tutizika River canyon and tributaries (Figure 10).

Sample locations and assay results from the rock chip and soil-silt traverses are shown on Figures 2 and 10 and on Appendix 4.

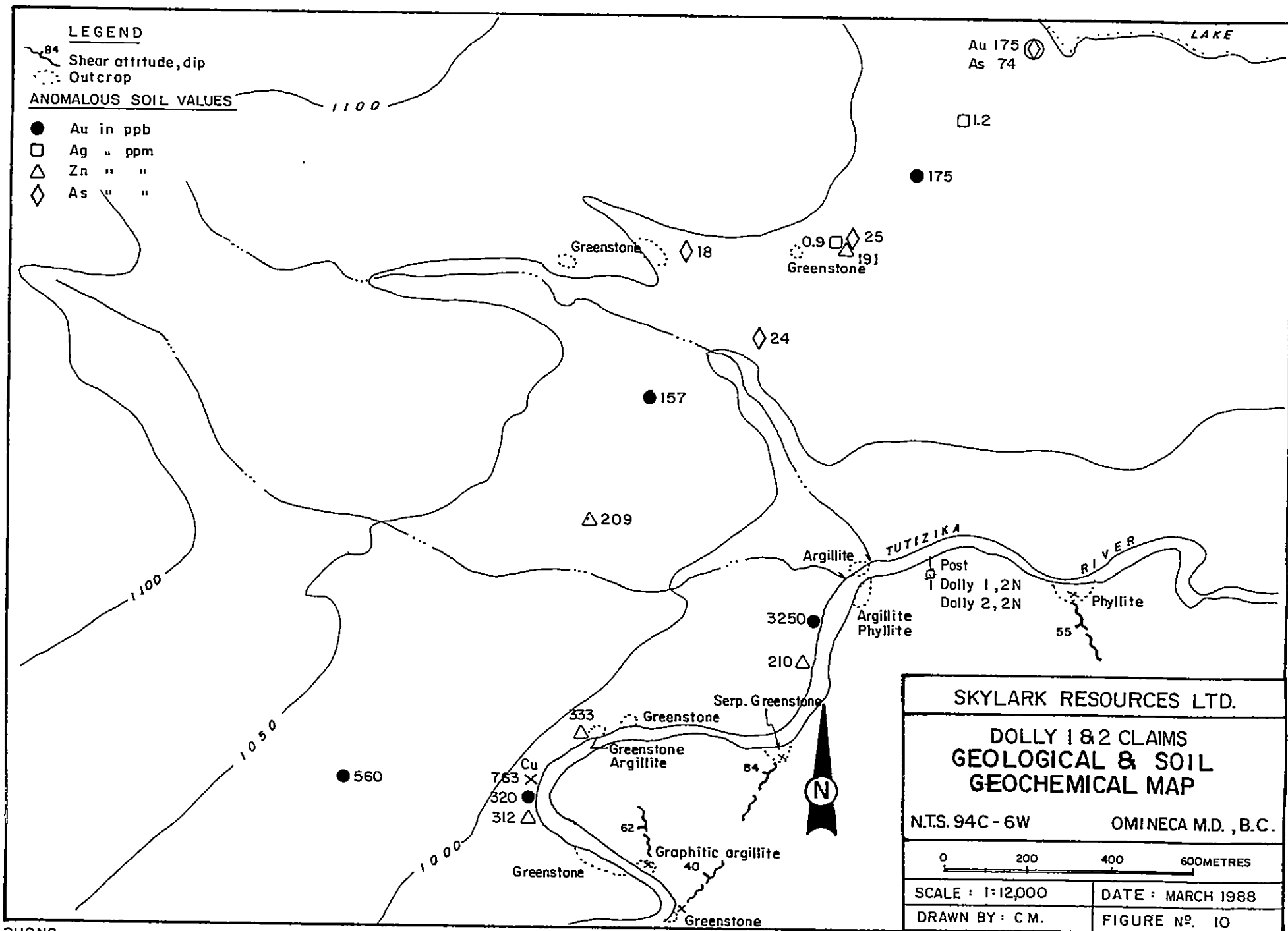
Rock chip samples of quartz-carbonate veins, veinlets, stringers, and associated shear gouge from the Tutizika canyon and main southeast flowing tributary returned low assay values. Gold and silver values were background. Copper highs were 101 to 144 ppm, with several barely anomalous zinc, arsenic, and barite values.

The soil-silt program results were encouraging with a spot soil value of 3250 ppb gold on a bluff overlooking the Tutizika canyon (DOL 1+50W). Five other anomalous soils ran 560, 320, 175, 175, and 157 ppb gold. Values of 0.9 and 1.2 ppm silver were returned. Copper values of 137 to 763 ppm were obtained in the northwest and southern parts of the Dolly 1 claim, with spot high zinc values of 191 to 333 ppm. *"B" horizon soil*  
*(samples were taken at 15-30 cm depths.)*

#### Matel Claim

The Matel claim was staked on the basis of attractive geology on the Chief Thomas showing and the Elizabeth group staked in 1946. Both occur near the northern margin of the Hogem batholith.

The Elizabeth showing area covers a shear zone in granodiorite and quartz diorite, with numerous quartz and quartz-carbonate veins, reportedly carrying low but consistent gold and silver values.



The Chief Thomas showing consists of a single quartz vein in quartz diorite, reportedly 183 to 305 cms. wide and 107 metres long. According to Roots (1954), about 60 cms. of the west side of the vein is heavily impregnated with malachite, and contains many blebs and patches of bornite, chalcopyrite, and pyrite. Part of the quartz is badly fractured and vuggy containing much dark red to specular hematite.

The Chief Thomas vein, which trends 144 and strikes 130/44 NE, was prospected and rock chip sampled (Figure 4). Seventy-six centimetres of the west side of the quartz vein is exposed; no sign of the reported mineralization was apparent. Assay results were low, with 21 ppb Au and 0.1 ppm Ag obtained (Appendix 1).

### Ice Claim

The Ice claim covers volcanic flows, breccias, and tuffs, limestone, Alaskan type ultramafics, and the edge of a diorite pluton. The target is a copper-gold porphyry.

Sample locations and assay results from a traverse in the southeast corner of the claim are shown on Figure 3 and Appendix 2.

Several 20 to 28 cm wide quartz veins which gave low assay numbers (#2087, #2088) were found.

Also present is a 20 metre wide yellow-rusty zone which parallels foliation at 198 and carries several percent pyrite. Rock chip samples of the rusty rock material and several 13 cm and 25 cm barren quartz veins (#2089, 2090, 2091) returned background values.

A 33 cm wide quartz vein in a prominent shear associated with 76 cms. of vein quartz and amphibolite, and a 9 metre wide rusty zone, gave 154 ppm tungsten (#2092 across 119 cms.).

### Black Gold

The Black Gold claim was staked on the old Hope group, which was prospected in the mid 1940's by O. Schmidt and in 1975 by Union Carbide Canada Ltd. The claims are underlain by rocks of the Wolverine Complex, which are the altered and granitized equivalents of the regionally metamorphosed Tenahiki and Ingenika Group rocks (Roots, 1954).

Assay results and sample locations for the rock chip traverse are shown on Appendix 3 and Figure 5.

A fracture zone 3.5 to 7.5 metres wide and 50 metres long is found in amphibolite-tremolite skarn. The zone consists of large blocks, up to 66 X 99 X 165 cms., of bluish-grey quartzite almost completely replaced by massive pyrrhotite with minor pyrite and chalcopyrite. Several 41 and 76 cm wide barren quartz veins were also observed.

Several of these replacement bodies were grab sampled for lithogeochemical analysis. Values of 1703 and 2553 ppm Cu, 1.3 and 3.9 ppm Ag, 1282 and 2279 ppm W, and 3 and 75 ppb Au were returned for rock chip samples #2069 and #2071, respectively (Figure 5, Appendix 3).

A 3.5 km traverse run across the property turned up no other rocks or structures of economic interest.

## Conclusions and Recommendations

The 1987 program on the Matel, Ice, Black Gold, and Dolly 1 and 2 claims was successful.

Assay returns for rock chip samples on the Black Gold claim show anomalous copper, silver, and tungsten values.

On the Ice and Matel claims, low precious metal values were found in rock chip samples.

On the Dolly 1 and 2 claims, anomalous gold, silver, copper, and zinc values were found on the reconnaissance soil survey traverses.

Recommendations for further work include:

1. Additional geology and rock chip sampling traverses on the Matel, Black Gold, and Ice claims.
2. Prospecting, rock chip sampling, and several soil traverses on westernmost Dolly 1 claim.
3. Gridding and detailed soil sampling of anomalous areas on the remainder of the Dolly 1 claim.
4. Rock chip sampling and prospecting in areas not traversed in 1987 on the Dolly 1 and 2 claims.
5. Reconnaissance soil sample traverses on the Dolly 2 claim.

QUALIFICATIONS

I, CHRISTOPHER L. MCATEE, certify that:

1. I am a minerals exploration geologist.
2. I am a graduate of Brock University, St. Catharines, Ontario with a degree in Geological Sciences (M.Sc., 1977), and a graduate of Wright State University, Dayton, Ohio, with a degree in Geology (B.Sc., 1972).
3. I have spent the past ten years in mineral exploration and development in Canada and the United States.
4. I personally examined the property and directed the exploration program conducted by Skylark Resources Ltd. in 1987.

Vancouver, B.C.  
March, 1988



Christopher L. McAtee  
Geologist

REFERENCE

Roots, E.F. (1954) Geology and Mineral Deposits of Aiken Lake  
Map - Area, British Columbia. Geological Survey of Canada  
Memoir 274, 246 pp.



ITEMIZED COST STATEMENT

MATEL CLAIM

Helicopter - 2.8 hours @ \$595/hour	\$ 1,666.00
Field Wages - 1 assistant 2 days @ \$130/day	260.00
1 geologist 3 days @ 135/day	405.00
1 assistant 2 days @ \$95/day	190.00
Report/Drafting/Wordprocessing	335.00
Mob/Demob - Vehicle - Fuel - Equipment	235.00
Camp 6 man days @ \$35/day	210.00
Assays - 2 @ \$13.25/each	<u>26.50</u>
TOTAL	\$ 3,327.50

ITEMIZED COST STATEMENT

ICE CLAIM

Helicopter - 2.8 hours @ \$595/hour	\$ 1,666.00
Field Wages - 1 geologist 2 days @ \$135/day	270.00
1 prospector 1 day @ 130/day	130.00
1 assistant 1 day @ \$130/day	130.00
1 assistant 1 day @ \$95/day	95.00
Report/Drafting/Wordprocessing	335.00
Mob/Demob - Vehicle - Fuel -Equipment	400.00
Camp 4 man days @ \$35/day	<u>140.00</u>
TOTAL	\$ 3,166.00

ITEMIZED COST STATEMENT

BLACK GOLD CLAIM

Helicopter - 2.8 hours @ \$595/hour	\$ 1,666.00
Field Wages - 1 geologist 3 days @ \$135/day	405.00
1 assistant 2 days @ \$95/day	190.00
Report/Drafting/Wordprocessing	335.00
Mob/Demob - Vehicle - Fuel - Equipment	238.00
Camp 6 man days @ \$35/day	<u>210.00</u>
	TOTAL \$ 3,044.00

ITEMIZED COST STATEMENT

DOLLY CLAIM GROUP

Helicopter - 2.8 hours @ \$595/hour	\$ 1,666.00
Field Wages - 1 prospector 3 days @ \$130/day	390.00
1 geologist 2 days @ \$135/day	270.00
1 assistant 2 days @ \$130/day	260.00
1 assistant 3 days @ \$95/day	285.00
Report/Drafting/Wordprocessing	1,270.00
Mob/Demob - Vehicle - Fuel - Equipment	768.00
Camp 16 man days @ \$35/day	560.00
Assays - 148 @ \$13.25/each	<u>1,961.00</u>
TOTAL	\$ 7,430.00

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

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH JML 3-1-2 HCL-HNO3-H2O AT 95 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: P1-SOIL P2-ROCK AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JUL 30 1987 DATE REPORT MAILED: *Aug 10/87* ASSAYER: *D. J. ...* DEAN TOYE, CERTIFIED B.C. ASSAYER

SKYLARK RESOURCES PROJECT-FIRESTEEL GRUBSTAKE File # 87-2858 Page 1

SAMPLE#	NO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
R-2093	1	3	6	9	.1	5	2	474	.97	2	5	ND	1	78	1	2	2	6	4.61	.024	2	3	.28	38	.01	2	.16	.01	.07	2	1
R-2094	1	4	2	24	.1	6	4	1367	1.40	2	5	ND	1	258	1	2	5	9	15.19	.060	3	2	.26	37	.01	2	.39	.01	.07	2	21

Appendix 1 - Assay Results MATEL claim

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

GEOCHEMICAL ICP ANALYSIS

.500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 93 DEG.C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER.  
 THIS LEACH IS PARTIAL FOR MN FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: P1-SOIL P2-ROCK AU ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JUL 30 1987 DATE REPORT MAILED: *Aug 10/87* ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

SKYLARK RESOURCES PROJECT-FIRESTEEL GRUBSTAKE File # 87-2858 Page 1

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	%	%	%	%	PPM	PPM
R-2087	1	13	6	21	.1	5	8	291	1.25	6	5	ND	1	87	1	2	2	21	4.64	.027	2	6	.54	99	.14	2	3.50	.06	.07	1	1
R-2088	1	152	12	28	.3	8	9	476	2.06	5	5	ND	1	44	1	2	25	36	4.76	.016	2	8	.78	25	.07	2	.90	.02	.11	1	1
R-2089	1	23	8	37	.1	16	15	438	5.43	6	5	ND	1	82	1	2	2	35	.89	.046	2	22	1.55	27	.08	3	2.49	.30	.11	1	1
R-2090	3	115	9	30	.5	10	10	351	2.10	5	5	ND	1	7	1	2	6	37	.55	.027	2	7	.85	11	.01	2	.96	.02	.04	1	1
R-2091	6	12	8	26	.1	6	3	344	2.71	5	5	ND	1	23	1	2	6	26	.18	.020	2	12	.92	7	.06	2	1.00	.07	.06	1	2
R-2092	2	44	5	103	.1	10	9	735	2.89	5	5	ND	1	8	1	2	7	35	.40	.027	2	12	.92	34	.06	4	1.40	.04	.13	154	1

Appendix 2 - Assay Results ICE claim

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

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.  
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SKYLARK RESOURCES PROJECT-FIRESTEEL GRUBSTAKE File # 87-2858 Page 1

SAMPLE#	NO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	PI	V	CA	P	LA	CR	HG	BA	TI	B	AL	NA	K	W	AU1
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
R-2069	1	1703	16	37	1.3	5	20	292	15.59	3	5	ND	3	148	1	2	10	34	1.38	.116	6	4	.32	17	.26	6	1.44	.12	.07	141	3
R-2070	1	213	7	24	.2	7	9	244	4.33	8	5	ND	3	114	1	2	52	13	.91	.057	5	11	.32	12	.04	3	1.67	.18	.06	1282	15
R-2071	1	2553	23	155	3.9	6	23	389	29.37	8	7	ND	5	66	1	2	572	19	.67	.109	4	15	.47	29	.07	3	1.04	.11	.65	2279	75

Appendix 3 - Assay Results BLACK GOLD claim

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 LA CR NG NA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.  
 - SAMPLE TYPE: P1-SOIL P2-ROCK AU: ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JUL 30 1987 DATE REPORT MAILED: *Aug 10/87* ASSAYER: *D. J. J.* DEAN TOYE, CERTIFIED B.C. ASSAYER

SKYLARK RESOURCES PROJECT-FIRESTEEL GRUBSTAKE File # 87-2858 Page 1

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM
R-2035	1	122	13	46	.1	14	16	796	4.94	5	5	ND	2	138	1	2	3	134	6.12	.041	2	21	2.01	42	.30	252	2.72	.02	.01	1	16
R-2036	1	37	19	42	.1	5	4	636	2.15	7	5	ND	1	152	1	2	2	20	7.91	.042	8	7	.52	27	.15	2	.93	.01	.09	1	8
R-2037	1	76	13	41	.1	41	17	569	3.89	6	5	ND	1	84	1	2	2	143	5.30	.050	5	53	1.60	39	.39	13	1.77	.03	.05	1	2
R-2038	1	86	9	71	.1	21	17	1267	5.99	9	5	ND	2	49	1	2	5	153	7.15	.076	5	16	2.10	24	.04	6	.46	.02	.04	1	8
R-2039	1	88	14	98	.1	89	28	922	6.29	95	5	ND	3	87	1	2	7	92	2.19	.030	4	58	.94	113	.01	13	.56	.02	.11	1	1
R-2040	1	101	10	57	.1	9	15	754	4.62	6	5	ND	4	113	1	2	5	77	2.75	.065	13	5	.86	883	.01	4	.55	.02	.12	1	1
R-2041	1	34	3	53	.1	5	8	1760	3.61	6	5	ND	1	206	1	2	4	52	19.53	.025	3	1	3.00	17	.01	2	.26	.03	.02	1	1
R-2042	1	121	12	47	.1	6	16	637	4.45	5	5	ND	1	43	1	2	3	184	5.37	.043	3	8	1.39	67	.39	69	3.63	.02	.01	1	1
R-2043	1	144	12	61	.1	5	17	845	4.15	9	5	ND	1	58	1	2	2	109	4.93	.048	2	7	1.61	20	.42	5	1.90	.02	.01	1	1
R-2077	4	51	13	45	.1	6	9	866	3.25	16	5	ND	1	138	1	2	3	49	7.89	.035	5	13	.92	11	.05	2	1.58	.02	.03	4	1
R-2078	10	55	17	42	.1	11	9	1472	3.57	36	5	ND	1	331	1	2	7	39	19.52	.036	6	11	1.14	38	.15	2	1.74	.01	.08	2	1
R-2079	10	108	23	61	.1	13	12	755	3.35	25	5	ND	1	208	1	2	8	28	10.37	.030	5	13	.79	34	.01	4	1.42	.01	.10	2	6
R-2080	1	99	12	34	.1	22	13	1428	2.94	6	7	ND	1	453	1	2	7	50	17.31	.040	4	29	1.39	28	.09	2	1.43	.01	.12	1	2
R-2081	1	68	10	43	.1	8	10	917	2.90	5	5	ND	1	225	1	2	2	72	10.27	.045	3	13	1.12	23	.21	11	1.21	.02	.04	1	5
R-2082	2	5	2	384	.1	4	1	93	.35	2	5	ND	1	65	1	2	2	1	.20	.031	2	2	.09	602	.01	2	.10	.01	.01	1	6
R-2083	1	3	2	6	.1	3	1	68	.40	5	5	ND	1	5	1	2	2	2	.09	.006	2	2	.07	11	.01	2	.08	.01	.02	2	3
R-2084	2	40	23	88	.3	31	6	586	1.88	13	5	ND	3	98	1	2	2	25	1.54	.036	9	13	.48	95	.01	2	.69	.01	.10	1	8
R-2085	2	84	10	97	.2	18	3	532	1.32	6	5	ND	2	249	1	2	2	14	2.80	.009	4	5	.57	76	.01	2	.31	.01	.04	1	5
R-2086	3	15	13	35	.3	32	7	828	2.48	16	7	ND	3	640	1	2	8	27	4.52	.099	9	7	1.55	134	.01	2	.39	.01	.10	1	4

ACME ANALYTICAL LABORATORIES - 852 East Hastings Street, Vancouver, B.C. V6A 1R6

Appendix 4 - Assay Results DOLLY claims



SKYLARK RESOURCES PROJECT-FIRESTEEL/GRUBSTAKE FILE # 87-3214

SAMPLE#	MO	CU	PB	ZK	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AUS
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	PPM	PPM	
D .001	1	27	13	68	.2	25	14	324	4.67	74	5	ND	4	31	1	2	2	97	.49	.060	11	35	.54	68	.20	2	2.29	.01	.04	1	175
D .002	1	16	7	75	.1	13	11	599	3.79	12	5	ND	1	39	1	2	2	99	.62	.145	7	36	.46	88	.20	2	1.95	.01	.03	1	5
D .003	1	22	13	98	.1	18	11	274	4.24	11	5	ND	1	31	1	2	2	110	.49	.087	6	41	.54	64	.24	2	2.08	.01	.03	1	1
D .004	1	49	12	91	.3	33	16	365	4.70	14	5	ND	4	28	1	2	2	100	.51	.109	10	39	.79	96	.21	4	3.13	.01	.03	1	1
D .005	1	17	8	90	.5	18	9	217	3.14	10	5	ND	2	27	1	3	2	79	.40	.098	9	39	.44	51	.17	2	2.14	.01	.03	1	3
D .006	1	80	18	129	1.2	57	16	291	4.50	22	5	ND	5	28	1	2	2	88	.40	.082	12	40	.66	143	.13	2	2.29	.01	.05	1	1
D .007	1	64	8	62	.1	26	13	368	4.00	12	5	ND	3	32	1	2	2	100	.54	.088	8	47	.83	69	.23	2	2.64	.02	.03	1	1
D .008	1	40	4	88	.1	24	14	369	5.76	16	5	ND	1	36	1	2	2	142	.50	.054	6	52	.79	84	.25	2	2.37	.01	.05	1	3
D .009	1	66	8	59	.2	13	6	1198	1.58	10	5	ND	1	124	1	2	2	32	3.98	.137	9	22	.46	103	.04	9	1.04	.02	.02	1	3
D .010	1	16	12	64	.1	13	8	254	3.93	8	5	ND	1	35	1	2	2	113	.43	.061	7	44	.40	63	.24	2	1.43	.01	.04	1	175
D .011	1	50	10	77	.1	31	17	804	5.07	16	5	ND	1	41	1	2	2	130	.63	.063	6	49	1.00	107	.24	2	2.27	.02	.04	1	1
D .012	1	15	14	110	.1	16	10	273	4.15	8	5	ND	4	31	1	3	2	119	.43	.036	6	47	.49	76	.21	4	1.67	.01	.04	1	7
D .013	1	65	6	64	.2	17	7	1992	2.13	9	5	ND	1	107	1	2	2	37	3.19	.070	8	25	.50	186	.06	11	1.00	.01	.02	1	6
D .014	1	20	9	172	.5	24	11	388	3.98	25	5	ND	5	30	1	2	2	94	.37	.093	10	46	.42	212	.13	2	2.06	.01	.05	1	11
D .015	1	31	11	191	.2	17	12	513	3.48	2	5	ND	5	30	1	2	2	76	.38	.218	9	32	.89	92	.17	3	2.99	.01	.06	1	1
D .016	1	12	11	101	.1	9	8	688	2.81	2	5	ND	3	28	1	3	2	60	.27	.091	7	24	.47	74	.12	3	1.63	.01	.04	2	1
D .017	1	24	5	73	.1	6	7	1125	2.50	3	5	ND	4	29	1	2	2	54	.26	.120	7	17	.46	65	.09	2	1.44	.01	.04	1	3
D .018	1	30	13	127	.1	11	11	378	3.56	2	9	ND	2	34	1	2	2	75	.32	.157	9	24	.77	84	.15	2	2.39	.01	.06	1	2
D .019	1	17	6	58	.1	7	7	258	2.74	2	5	ND	3	37	1	2	2	75	.32	.029	4	25	.72	73	.18	2	1.41	.01	.08	1	2
D .020	1	21	13	154	.3	20	16	1220	4.18	24	5	ND	2	40	1	2	2	99	.61	.068	7	52	.56	133	.19	3	2.12	.01	.05	1	5
D .021	1	38	10	89	.1	25	16	2024	4.88	5	5	ND	3	33	1	2	2	130	.48	.054	5	68	.93	172	.23	7	2.40	.02	.05	1	1
D .022	1	46	14	61	.1	27	12	483	3.91	3	5	ND	3	32	1	2	2	103	.54	.031	6	58	1.01	83	.25	14	2.11	.02	.08	1	1
D .023	1	60	9	83	.1	32	15	579	4.83	4	5	ND	3	35	1	2	2	124	.56	.082	7	63	1.03	112	.23	6	2.72	.01	.06	1	1
D .024	1	57	12	92	.1	46	16	611	4.87	5	5	ND	2	51	1	2	2	133	.83	.059	7	89	1.47	78	.23	8	2.20	.02	.05	1	1
D .025	1	38	7	96	.1	26	12	540	4.22	4	5	ND	4	28	1	2	2	94	.37	.178	10	50	.84	75	.16	8	2.95	.01	.04	2	1
D .026	1	26	9	77	.1	15	11	440	3.59	6	5	ND	3	31	1	2	2	84	.30	.076	6	36	.73	69	.16	2	1.93	.01	.05	3	1
D .027	1	24	10	90	.1	16	9	346	3.18	3	5	ND	3	28	1	2	2	70	.25	.083	6	33	.66	69	.15	2	2.21	.01	.04	1	1
D .028	1	31	11	87	.1	14	8	301	2.62	2	5	ND	5	40	1	2	2	55	.45	.016	7	22	1.00	72	.22	3	1.69	.02	.06	1	2
D .029	1	12	10	62	.1	12	7	258	2.60	4	5	ND	3	30	1	2	2	70	.27	.047	5	24	.58	61	.17	2	1.41	.01	.04	1	1
D .030	1	67	6	91	.1	17	11	473	3.47	2	5	ND	5	33	1	2	2	75	.31	.096	9	31	.87	80	.16	7	2.32	.02	.06	1	1
D .031	1	20	9	89	.1	15	11	566	3.28	2	5	ND	4	25	1	2	2	69	.29	.107	8	32	.57	71	.13	4	2.24	.01	.04	1	1
D .032	1	28	15	104	.1	11	10	366	4.55	3	5	ND	8	27	1	2	2	83	.23	.130	14	34	.57	60	.12	2	2.32	.01	.05	1	2
D .033	1	25	14	209	.1	13	10	782	4.06	3	5	ND	6	25	1	2	2	77	.26	.236	10	33	.58	66	.14	6	3.32	.01	.05	2	2
D .034	1	67	13	73	.1	26	16	955	4.86	10	5	ND	3	36	1	2	2	126	.75	.077	8	45	1.38	77	.21	5	2.02	.05	.06	1	1
D .035	1	73	12	90	.1	26	14	795	4.55	2	5	ND	2	73	1	2	2	103	1.74	.072	8	63	1.25	141	.15	12	2.15	.02	.06	1	1
D .036	1	145	15	119	.1	43	23	1491	7.32	6	5	ND	3	34	1	2	2	159	.53	.131	11	95	1.52	195	.16	8	4.26	.02	.06	3	1

SKYLARK RESOURCES PROJECT-FIRESTEEL/GRUBSTAKE FILE # 87-3214

SAMPLE#	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AUS
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
D .037	1	68	2	103	.2	13	13	643	3.41	6	5	ND	3	36	1	2	5	78	.39	.119	5	23	1.02	87	.17	2	2.19	.02	.09	1	9
D .038	1	14	6	49	.1	8	6	217	2.15	2	5	ND	3	25	1	2	4	48	.24	.038	6	23	.44	56	.11	4	.99	.01	.04	2	20
D .039	1	232	10	92	.2	38	22	2121	6.18	15	5	ND	3	69	1	2	2	160	1.14	.094	15	85	1.36	252	.13	9	3.16	.02	.05	1	1
D .040	1	164	14	113	.1	45	24	1825	7.17	5	5	ND	4	57	1	2	2	166	.90	.038	12	96	1.56	226	.17	9	4.00	.02	.05	1	11
D .041	1	116	18	89	.1	34	22	1790	6.18	10	5	ND	3	51	1	2	4	154	.84	.060	12	80	1.46	181	.17	9	3.00	.02	.06	1	3
D .042	1	77	10	91	.2	29	20	1568	5.57	7	5	ND	3	62	1	2	2	129	1.16	.048	10	68	1.27	225	.15	10	2.51	.02	.04	3	1
D .043	1	148	13	93	.1	36	19	1097	6.18	7	5	ND	4	54	1	2	5	150	1.00	.038	13	85	1.48	211	.18	6	3.34	.02	.06	1	1
D .044	1	162	14	84	.1	28	15	661	5.50	2	5	ND	5	59	1	2	2	141	1.22	.017	11	69	1.30	215	.20	4	3.42	.02	.05	1	1
D .045	1	30	9	97	.1	12	11	717	3.04	6	5	ND	2	35	1	2	2	69	.42	.039	6	27	.76	119	.17	4	1.45	.01	.09	1	1
D .046	1	15	4	69	.1	8	7	728	2.11	2	5	ND	2	29	1	2	2	50	.27	.031	5	20	.45	78	.11	4	1.13	.01	.05	2	2
D .047	1	25	10	109	.1	12	10	441	3.03	9	5	ND	5	26	1	2	2	59	.26	.128	9	24	.61	70	.14	2	2.06	.01	.05	1	1
D .048	1	12	12	81	.1	10	7	367	2.81	8	5	ND	3	28	1	2	2	63	.29	.076	6	23	.52	60	.16	4	1.48	.02	.05	1	3
D .049	1	22	22	120	.1	7	9	959	3.09	6	7	ND	5	25	1	2	2	65	.26	.109	9	20	.57	60	.16	6	1.99	.02	.07	1	1
D .050	1	155	9	77	.1	18	12	1214	3.04	7	6	ND	4	44	1	2	2	83	.68	.013	32	21	.77	127	.21	2	1.98	.02	.06	1	560
D .051	1	18	13	94	.1	10	8	719	2.84	6	5	ND	6	25	1	2	2	53	.28	.185	12	16	.49	59	.12	2	1.89	.01	.06	1	1

## 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 MM FE CA P LA CR MG BA TI B W AND LIMITED FOR NA AND K. AU DETECTION LIMIT BY ICP IS 3 PPM.  
- SAMPLE TYPE: P1-SOIL P2-ROCK AU8 ANALYSIS BY AA FROM 10 GRAM SAMPLE.

DATE RECEIVED: JUL 30 1987 DATE REPORT MAILED: *Aug 10/87* ASSAYER: *D. Toye* DEAN TOYE, CERTIFIED B.C. ASSAYER

SKYLARK RESOURCES PROJECT-FIRESTEEL GRUBSTAKE File # 87-2858 Page 1

SAMPLER	MO	CU	PB	ZN	AG	NI	CO	MN	FE	AS	U	AU	TH	SR	CD	SB	BI	V	CA	P	LA	CR	MG	BA	TI	B	AL	NA	K	W	AU1
	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	PPM	%	%	PPM	PPM	%	PPM	%	PPM	%	%	%	PPM	PPM
DOL 11+00M	1	69	12	64	.1	14	14	966	4.17	4	5	ND	1	145	1	2	2	98	6.98	.047	4	29	1.49	112	.38	4	2.58	.08	.05	1	1
DOL 8+00M	1	80	10	66	.1	18	13	825	4.43	5	5	ND	1	34	1	2	2	95	1.98	.057	4	35	1.48	24	.36	4	2.67	.04	.04	1	2
DOL 6+80M	1	137	18	84	.1	16	22	1045	5.59	2	6	ND	1	213	1	2	6	140	1.75	.082	5	22	2.15	36	.65	6	3.04	.04	.06	1	1
DOL 11+50M SILT	1	102	10	83	.1	23	16	853	4.36	6	5	ND	2	72	1	2	2	121	2.66	.084	8	36	1.81	209	.31	16	2.55	.08	.13	1	2
DOL 10+50M	1	26	16	312	.1	15	11	503	3.88	4	5	ND	6	33	1	2	2	75	.43	.198	13	43	.69	133	.16	2	1.90	.02	.10	1	1
DOL 10+00M	1	21	16	177	.1	13	14	693	3.03	6	5	ND	3	40	1	2	2	72	.56	.045	8	28	.73	119	.20	8	1.71	.02	.12	1	320
DOL 9+60M SILT	2	763	5	57	.3	11	4	343	.95	3	5	ND	1	105	1	3	2	31	4.09	.074	90	28	.42	121	.04	17	.45	.02	.07	1	1
DOL 9+50M	1	29	17	113	.1	12	12	473	3.00	11	5	ND	4	31	1	5	2	74	.38	.044	9	26	.64	127	.22	2	1.58	.01	.08	1	1
DOL 9+00M SILT	1	77	6	39	.1	9	5	268	1.34	3	5	ND	2	38	1	2	2	36	.77	.037	13	17	.53	51	.09	3	.80	.03	.06	1	2
DOL 8+50M	1	183	15	85	.1	16	12	317	2.75	6	5	ND	3	45	1	2	2	77	.70	.101	11	25	1.21	87	.22	2	2.15	.03	.05	1	1
DOL 7+50M	1	49	8	333	.4	21	17	842	3.58	7	5	ND	2	36	1	2	2	92	.45	.021	8	34	.76	197	.14	2	2.26	.01	.07	1	1
DOL 7+00M	1	63	13	130	.1	23	16	584	4.95	14	5	ND	3	39	1	2	2	111	.61	.031	9	34	1.10	141	.12	5	2.83	.01	.06	1	1
DOL 6+50M	1	75	6	71	.1	31	16	510	4.61	10	5	ND	4	43	1	2	2	133	.73	.040	9	60	1.13	102	.20	2	2.50	.02	.11	1	1
DOL 6+00M	1	66	16	97	.1	29	15	483	4.22	14	5	ND	3	51	1	2	2	128	.78	.027	5	53	1.06	82	.22	2	2.15	.03	.05	1	10
DOL 5+50M	1	72	15	139	.1	32	18	591	5.22	15	5	ND	4	58	1	2	2	148	1.00	.090	8	70	1.19	47	.19	9	1.82	.04	.07	1	2
DOL 5+00M	1	36	15	103	.1	22	11	553	4.33	11	5	ND	3	49	1	2	2	133	.59	.059	4	50	.83	164	.21	2	1.88	.02	.05	1	1
DOL 4+50M	1	14	13	76	.1	9	5	276	2.09	4	5	ND	2	34	1	2	2	64	.40	.040	5	23	.41	84	.20	7	1.09	.02	.06	1	1
DOL 4+00M	1	203	11	116	.1	35	19	563	4.33	11	5	ND	4	45	1	2	2	109	.71	.053	8	49	1.41	127	.23	14	2.78	.03	.14	1	1
DOL 3+50M	1	10	9	60	.1	10	7	219	2.85	3	5	ND	3	27	1	2	2	73	.31	.020	7	34	.47	53	.20	2	1.12	.02	.07	1	5
DOL 3+00M	1	17	11	145	.1	15	11	330	3.54	4	5	ND	4	28	1	2	2	77	.35	.094	9	32	.57	90	.18	2	1.75	.01	.08	1	1
DOL 2+50M	1	19	10	210	.1	17	13	893	3.78	2	5	ND	4	27	1	2	2	76	.34	.198	10	35	.61	77	.13	2	2.45	.01	.06	1	2
DOL 2+00M	1	19	15	143	.1	10	11	762	3.63	4	5	ND	2	29	1	2	2	84	.33	.097	8	32	.53	68	.15	3	1.56	.02	.06	1	6
DOL 1+50M	1	29	9	90	.1	11	8	250	3.33	4	5	ND	3	32	1	2	2	85	.37	.077	8	32	.56	50	.17	2	1.59	.01	.10	1	3250
DOL 1+00M	1	23	7	92	.5	11	8	300	2.73	6	5	ND	3	32	1	2	2	70	.37	.034	7	29	.40	56	.15	6	1.29	.02	.06	1	3
DOL 0+50M	1	29	9	92	.1	13	10	487	2.80	5	5	ND	4	35	1	2	2	67	.49	.079	11	31	.71	110	.16	3	1.54	.01	.08	1	1
DOL 0+25M	1	34	9	82	.1	14	10	697	2.65	5	5	ND	3	32	1	2	2	63	.39	.060	11	30	.66	102	.15	2	1.39	.02	.10	1	8
DOL 0+00	1	10	11	59	.1	7	5	338	1.80	4	5	ND	3	31	1	2	2	55	.32	.030	8	21	.35	120	.14	7	.98	.01	.06	1	2

SKYLARK RESOURCES PROJECT-FIRESTEEL/GRUBSTAKE FILE # 87-3214

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	AUS PPB
SNA 3+00N	1	17	10	97	.2	15	8	273	3.07	14	5	ND	4	32	1	2	2	88	.46	.094	9	45	.36	196	.18	8	1.56	.01	.05	1	10
SNA 2+50N	1	18	15	113	.2	13	11	375	3.39	5	5	ND	4	37	1	2	2	96	.42	.080	8	34	.92	144	.31	2	2.03	.01	.11	1	4
SNA 2+00N	1	60	6	48	.2	27	9	352	3.30	10	5	ND	6	34	1	2	2	97	.60	.066	11	60	.82	106	.27	12	2.07	.02	.05	1	3
SNA 1+50N	1	50	9	296	.2	27	13	668	4.63	5	5	ND	3	51	1	2	2	123	1.01	.020	9	68	.93	116	.33	4	2.67	.02	.04	1	2
SNA 1+50N SILT	1	56	12	102	.1	18	9	1995	3.27	10	5	ND	2	90	1	2	2	77	2.38	.076	10	37	.75	191	.17	9	1.45	.03	.04	1	1
SNA 16+00N	1	115	7	94	.1	31	20	900	4.68	12	5	ND	2	52	1	2	2	115	1.19	.083	10	61	1.32	76	.16	10	2.02	.03	.07	1	5
SNA 15+50N	1	117	10	90	.1	36	20	999	5.33	10	5	ND	2	61	1	2	2	132	1.12	.087	11	73	1.56	110	.21	6	2.41	.03	.07	1	3
SNA 15+00N	1	41	10	113	.1	32	16	532	5.61	8	5	ND	2	33	1	2	2	145	.52	.095	5	77	1.11	89	.21	5	2.78	.02	.06	1	1
SNA 14+50N	1	60	10	104	.3	30	15	865	4.70	13	5	ND	3	31	1	2	2	116	.38	.121	5	53	.75	148	.10	9	2.36	.02	.06	1	1
SNA 14+00N	1	49	10	90	.1	30	14	478	4.96	3	5	ND	3	34	1	2	2	132	.48	.038	5	57	1.06	98	.18	5	2.80	.02	.05	1	1
SNA 13+50N	1	17	7	89	.1	19	10	285	5.41	6	5	ND	2	30	1	2	2	149	.42	.073	6	62	.67	75	.20	2	2.13	.01	.04	1	6
SNA 13+00N 0+50S	1	18	4	132	.2	16	10	466	4.33	7	5	ND	2	24	1	2	2	103	.33	.127	6	51	.38	73	.16	2	1.90	.01	.06	1	3
SNA 13+00N	1	53	16	36	.1	22	10	1030	2.67	10	5	ND	1	251	1	2	4	81	18.58	.036	10	27	1.21	35	.24	30	2.14	.02	.03	1	2
SNA 9+50N	1	30	8	54	.1	5	15	812	4.27	2	5	ND	1	64	1	2	2	154	2.46	.048	4	5	1.29	75	.42	8	2.48	.02	.01	1	2
SNA 8+00N	2	71	16	49	.1	12	15	776	4.84	2	5	ND	3	30	1	2	3	137	3.75	.060	6	32	1.47	99	.50	16	4.78	.04	.04	2	3

SAMPLE#	NO 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# PPM
SWA 13+00W 1+00S	1	38	13	102	.1	34	16	508	5.46	5	5	ND	4	31	1	2	2	148	.54	.044	5	72	1.07	74	.22	5	2.83	.01	.08	1	1
SWA 13+00W 1+50S	1	29	15	139	.1	21	17	578	5.64	3	5	ND	2	31	1	2	2	138	.51	.142	6	56	.73	81	.21	12	2.60	.02	.05	1	7
SWA 13+00W 2+00S	1	50	8	101	.2	39	15	466	5.08	5	8	ND	2	27	1	2	2	115	.35	.175	7	67	1.12	88	.17	12	3.96	.01	.05	1	1
SWA 13+00W 2+50S	1	58	8	88	.1	28	15	741	5.07	4	5	ND	2	30	1	2	2	128	.46	.131	5	69	1.08	88	.19	12	2.96	.02	.05	1	2
SWA 13+00W 3+00S	1	45	12	137	.2	100	20	609	4.81	11	5	ND	3	27	1	2	2	103	.39	.117	6	116	1.31	132	.15	10	3.00	.01	.05	1	3
SWA 13+00W 3+50S	1	29	12	91	.1	31	15	803	5.06	6	5	ND	2	26	1	2	2	127	.40	.095	6	67	.84	89	.18	3	2.45	.01	.05	1	1
SWA 13+00W 4+00S	1	41	9	83	.1	37	15	551	5.15	8	5	ND	3	26	1	2	2	118	.45	.310	6	69	1.12	88	.16	9	2.87	.01	.04	1	1
SWA 13+00W 4+50S	1	29	15	152	.1	32	15	2046	4.40	5	5	ND	2	28	1	2	2	113	.46	.151	6	59	.77	109	.17	8	2.64	.01	.07	1	1
SWA 13+00W 5+00S	1	38	7	75	.1	32	15	461	4.69	4	5	ND	2	34	1	2	2	128	.63	.076	5	72	1.04	68	.26	3	2.45	.01	.08	1	1
SWA 13+00W 5+50S	1	20	6	114	.1	11	10	877	3.29	4	5	ND	3	24	1	2	2	66	.24	.110	7	33	.56	62	.14	2	2.35	.01	.05	2	1
SWA 13+00W 6+00S	1	59	2	86	.1	27	13	657	4.08	6	5	ND	4	29	1	2	2	95	.41	.153	10	51	.95	95	.18	14	3.11	.02	.05	1	157
SWA 13+00W 6+50S	1	20	5	116	.1	10	10	891	3.01	5	5	ND	3	27	1	2	2	64	.29	.111	7	24	.62	83	.16	12	2.05	.02	.05	1	12
SWA 13+00W 7+50S	1	18	10	110	.2	17	13	664	3.86	3	5	ND	2	28	1	2	2	95	.39	.140	6	43	.59	76	.16	4	2.38	.01	.05	1	1
SWA 13+00W 8+00S	1	20	12	88	.1	19	12	868	3.95	3	5	ND	1	27	1	2	2	103	.46	.103	5	48	.66	83	.19	11	1.96	.01	.05	1	1
SWA 13+00W 8+50S	1	24	12	129	.1	18	11	934	3.68	9	5	ND	2	26	1	2	2	83	.34	.123	8	40	.61	75	.15	2	2.29	.01	.05	1	1
SWA 13+00W 9+00S	1	25	4	147	.1	23	14	949	3.86	4	5	ND	2	26	1	2	2	88	.35	.129	8	42	.69	97	.16	2	2.54	.01	.06	1	1
SWA 13+00W 9+50S	1	26	9	116	.1	20	13	536	3.69	2	5	ND	2	28	1	2	2	90	.42	.080	8	44	.74	94	.18	2	2.41	.01	.06	1	2
SWA 13+00W 10+00S	1	23	9	110	.1	19	10	463	3.10	3	5	ND	2	20	1	2	2	70	.28	.111	7	42	.59	71	.14	4	2.26	.01	.04	1	1
SWA 13+00W 10+50S	1	28	3	52	.1	7	6	286	2.04	4	5	ND	5	29	1	2	2	44	.32	.110	10	16	.51	53	.09	13	1.34	.01	.05	2	1
SWA 13+00W 11+00S	1	14	10	129	.1	12	11	1885	2.80	2	5	ND	3	28	1	2	2	70	.37	.074	8	40	.54	128	.16	2	1.58	.01	.05	1	3
SWA 12+50W	1	29	8	82	.1	29	14	791	4.38	3	5	ND	1	35	1	2	2	122	.59	.093	5	75	.82	95	.24	7	2.20	.02	.06	1	1
SWA 12+00W	1	35	8	88	.1	29	14	483	4.96	5	5	ND	1	30	1	2	2	128	.47	.134	6	69	.69	92	.17	3	2.29	.01	.03	1	3
SWA 11+50W	1	43	9	79	.1	29	14	550	4.31	6	5	ND	2	31	1	2	2	120	.48	.126	5	69	.79	96	.21	8	2.12	.01	.04	1	1
SWA 11+00W	1	48	4	51	.1	70	15	359	4.67	10	5	ND	2	28	1	2	2	123	.45	.076	5	78	.82	64	.20	4	2.39	.01	.07	1	1
SWA 10+50W	1	42	13	92	.2	28	15	627	4.67	6	5	ND	2	28	1	2	2	114	.39	.129	6	57	.80	67	.14	3	2.75	.01	.04	1	11
SWA 10+00W	1	37	11	65	.1	25	15	415	4.83	8	5	ND	1	34	1	2	2	129	.54	.068	6	58	.85	91	.20	2	2.72	.01	.03	1	1
SWA 8+50W	1	42	8	134	.1	17	21	1545	5.77	18	5	ND	2	33	1	2	2	124	.61	.141	6	36	1.30	266	.18	2	3.48	.01	.10	1	2
SWA 7+50W	1	48	15	129	.2	30	16	523	5.51	9	5	ND	2	36	1	2	2	146	.48	.078	7	56	.93	125	.19	2	3.16	.01	.05	1	1
SWA 7+00W	1	43	9	122	.1	15	12	479	3.76	3	5	ND	4	35	1	2	2	72	.39	.240	11	49	.83	76	.12	2	2.77	.02	.07	2	1
SWA 6+50W	1	34	8	79	.1	24	14	982	4.13	7	5	ND	1	36	1	2	2	107	.67	.096	6	52	.79	93	.21	7	2.24	.02	.09	1	1
SWA 6+00W	1	26	4	63	.1	9	8	284	2.63	4	5	ND	4	28	1	2	2	54	.31	.171	9	18	.55	68	.09	9	1.66	.01	.05	3	3
SWA 5+50W	1	25	13	114	.2	17	13	352	4.26	5	5	ND	3	28	1	2	2	104	.50	.227	8	44	.58	90	.21	12	2.13	.01	.05	1	3
SWA 5+00W	1	24	11	97	.2	19	9	371	3.42	4	5	ND	2	31	1	2	2	98	.49	.048	5	52	.54	104	.18	2	1.87	.01	.05	1	1
SWA 4+50W	1	7	5	62	.1	7	5	781	2.06	2	5	ND	2	28	1	2	2	49	.24	.084	5	16	.37	58	.09	2	1.28	.01	.04	1	1
SWA 4+00W	1	22	9	82	.1	15	10	326	2.83	2	5	ND	2	29	1	2	2	62	.27	.098	6	27	.83	80	.14	4	2.39	.01	.06	1	2
SWA 3+50W	1	88	14	100	.9	48	13	333	3.65	40	5	ND	6	26	1	2	2	72	.31	.045	16	40	.84	273	.10	14	2.06	.01	.06	1	3