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TARGET PROJECT #117

FIRST QUARTER REPORT

January 1 - March 31, 1980

J.C. Stephen Explorations Ltd.
1124 West 15th Street,
North Vancouver, B.C.

April 10, 1980

J.C. STEPHEN EXPLORATIONS LTD.

1124 West 15th Street, North Vancouver, B.C. V7P 1M9

(604) 988-1545

April 11, 1980

Mr. G.S.W. Bruce,
Dome Exploration (Canada) Ltd.
600 - 365 Bay Street,
Toronto, Ontario.

RE: Target Project #117

Dear Mr. Bruce,

Our report for the First Quarter 1980 is enclosed. No work is presently being conducted but Fraser will be back near the end of April and field crews will be put together starting May 15.

I spent several hours yesterday with Jim Hylands of Placer reviewing work on BURN including the air photo-geochem interpretation map done for them by Bayrock Surficial Geology - very impressive. It is a step we could well have taken earlier and should consider on the other properties in spite of the cost.

Copies of Placer's report are being forwarded to you. They will continue with research next year but it is a tough situation.

I told Hylands we have staked the HALO group on copper-moly geochem 3 miles south of BURN and that we would share information if anything develops which would assist on BURN.

Yours very truly,
J.C. Stephen Explorations Ltd.

Dave: note new staking

Cam

J.C. Stephen

G.S.W.B. J

GSWB	LBH	DRS	EAP
PROJECT 117			
FI APR 16 1980 LE			
<input type="checkbox"/> PROPERTY	<input type="checkbox"/> LING		
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<input type="checkbox"/> TECHNICAL	<input type="checkbox"/> J.C.		
<input type="checkbox"/> OTHER			

TARGET PROJECT #117

FIRST QUARTER REPORT 1980

Summary

Following discussions in Vancouver on January 31 with Mr. Bruce and Dr. Watson preparations were made to carry out 590 metres of percussion drilling on the SWAB group to test the west end of the main soil anomaly. This work was cancelled when the British Columbia government imposed a moratorium on uranium exploration at the end of February. Under the guide lines it is expected exploration for molybdenum can be continued. The money budgeted for percussion drilling has been assigned to continued exploration in this area.

A selection of stored silt and soil samples from the general Francois Lake area was submitted for determination of gold and arsenic content. Moderately anomalous values were obtained in three locations and investigations will be conducted early in the 1980 prospecting season.

A geologist, Bryan Fraser, was engaged to carry out research for the Target Project and to conduct the 1980 exploration program. The Target budget does not allow full time employment of a geologist and Mr. Fraser is expected to spend about 65% of his time on the project.

Research by Mr. Fraser led to selection of two anomalous areas which have been staked as new properties. The FLAME 1 - 20 in Map sheet 93M/16 covers a copper anomaly with reported low gold values



while the HALO 1 - 20 covers a molybdenum anomaly south of the BURN on Map sheet 93N/6. *

Several exploration targets have been selected for investigation. As crews become available early in the season they will carry out preliminary sampling and mapping. Fraser and two assistants will do more detailed work during the summer. Emphasis will be on gold, molybdenum and copper.

SWAB CLAIM GROUP

A program consisting of eight percussion drill holes was proposed for SWAB 3 at the west end of the main soil geochemical anomaly. When a moratorium on uranium exploration was imposed on February 27 negotiations with contractors were terminated and the "Notice of Work on a Mineral Property" (10 - 11 Form), previously submitted to the District Inspector of Mines, was withdrawn.

Verbal indication of contract rates were in the order of \$5.40 per foot including overburden to 50 feet. \$85.00 per hour for overburden over 50 feet and standby rate of \$42.00 per hour including men and machine.

On March 15 a new "Notice of Work" (10 - 11 Form) was submitted to cover proposed mapping, soil sampling and magnetometer surveys on SWAB 1 to investigate molybdenum geochemistry in that area. The governments news release of March 24 indicates work of this nature may proceed although, to date, no response has been received to the March 15 submission.

A summary of results "Report on Deep Overburden Sampling" dated March 1980 was submitted as assessment work and a copy of this report forwarded to Domex.

RESEARCH

Silt samples in the region of BIN, NIT and SWAB claim groups were submitted for determination of arsenic and gold. Results are shown on the following figures for Areas 1 to 6. Results are described below.

Area 1 Borel-Anzus Lake

Sample 1199 returned 4 ppm As, 80 ppb Au while 1198 returned 20 ppm As, <10 ppb Au on the north side of Cabin Lake. These relatively anomalous results are on a claim group which has been held for a number of years. Values in silver, gold, lead and zinc are reported. These low values appear to be indicative of mineralization of interest.

Approximately three miles west of Cabin Lake silt sample 1201 gave 20 ppb Au. This area had been previously noted (prior to 1974) as possibly warranting prospecting and some prospecting is proposed for 1980.

Samples in the vicinity of Anzus and Borel Lakes gave low to moderately high arsenic values. No appreciable gold is indicated in these silts. The area is that suggested by Brian Atkinson last winter after having spent a season on a gold project. Prospecting is proposed for 1980.

Area 2 Nithi River and New Road

Samples 142 to 149 were anomalous (up to 300 ppm) for copper. Check determinations for Au gave negative results.

Area 3 NIT area and NIT-SWAB

Gary Cohoon found a sulphide bearing float near the north east boundary of NIT group which returned 500 ppb Au. Limited prospecting and soil sampling failed to locate further indication of mineralization and no further work had been proposed.

Check determinations range from 3 to 25 ppm As with three values of 10 ppb Au. This apparent concentration of slightly anomalous results cluster around the location of Cahoons float. Additional sampling and prospecting are recommended for 1980.

Area 4 SWAB South and North east

A few values from 3 to 11 ppm arsenic and one value of 10 ppb Au occur north east of SWAB. These are too low and scattered to constitute a reasonable target but since considerable work is proposed on SWAB 1 it will be possible to do some check sampling and prospecting.

Area 5 Binta East Area

A number of values from 3 to 6 ppm As and one value of 160 ppb Au occur north east of Binta Lake. The gold value occurs on the margin of an area of Hazelton volcanics and sediments. The area is considered a good prospecting target for early 1980.

Area 6 Binta West

A series of values ranging from 3 to 21 ppm As with three values of 10 ppb Au occur on and south west of the BIN claim group. Additional prospecting and sampling are proposed for 1980, particularly if any encouragement results from work in Area 5.



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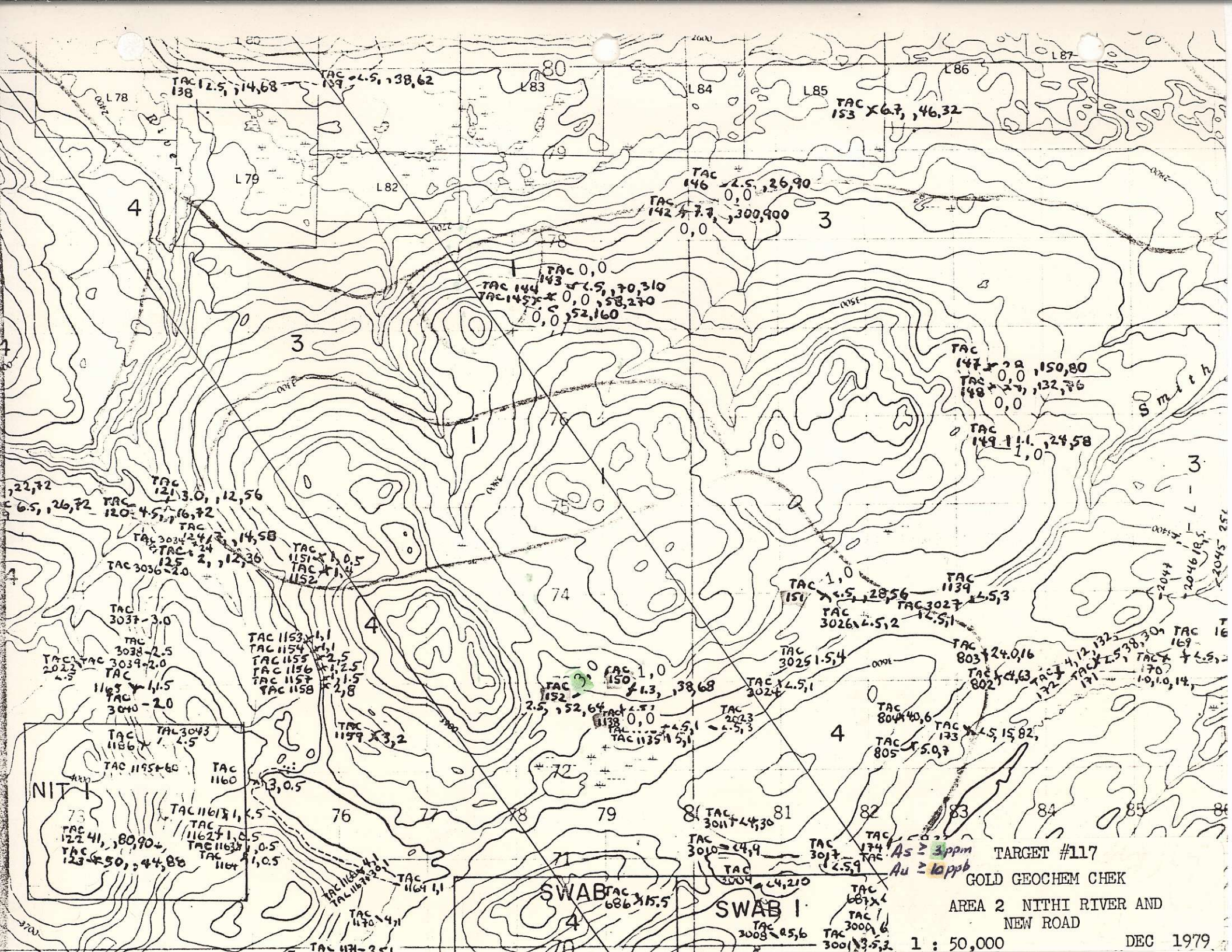
67

66

65

Join 93 F15

As ≥ 3 ppm
Au ≥ 10 ppb
TARGET #117
GOLD GEOCHEM CHECK
AREA 1 BOREL-ANZUS LAKE
1 : 50,000
DEC. 1979



TAC 12.5, 14,68
138

TAC 4.5, 138,62
139

TAC 153 X 6.7, 46,32

TAC 146 2.5, 26,90
0,0

TAC 142 X 7.7, 300,900
0,0

TAC 0,0
143 2.5, 70,310
TAC 144 X 0,0, 58,270
0,0, 52,160

TAC 147 X 2.2, 150,80
TAC 148 X 2.7, 132,76
0,0

TAC 149 1.1, 24,58
1,0

TAC 121 3.0, 12,56
TAC 120 4.5, 16,72

TAC 3034 2.4, 14,58
TAC 125 2, 12,36
TAC 3036 2.0

TAC 1151 X 0.5
TAC 1152

TAC 3037 3.0

TAC 3038 2.5
TAC 3039 2.0
TAC 1153 1.5
TAC 3040 2.0

TAC 1153 1.1
TAC 1154 1.1
TAC 1155 2.5
TAC 1156 1.25
TAC 1157 1.5
TAC 1158 2.8

TAC 1159 X 3,2

TAC 150 1.3, 38,68
TAC 152 2.5, 52,64
TAC 1138 0,0
TAC 1135 4.5, 1
TAC 1135 4.5, 1

TAC 151 X 4.5, 28,56
TAC 3026 4.5, 2
TAC 1139 4.5, 3
TAC 3027 12.5, 1

TAC 3025 1.5, 4

TAC 803 2.4, 0.16
TAC 802 4.63

TAC 804 4.0, 6
TAC 173 4.5, 15, 82,
TAC 805 5.0, 7

TAC 3011 4.4, 30
TAC 3010 4.9
TAC 3009 4.2, 10

TAC 174 5.0, 3 ppm
TAC 3017 2.5, 9
TAC 3004 4.2, 10

TARGET #117
GOLD GEOCHEM CHEK

AREA 2 NITHI RIVER AND
NEW ROAD

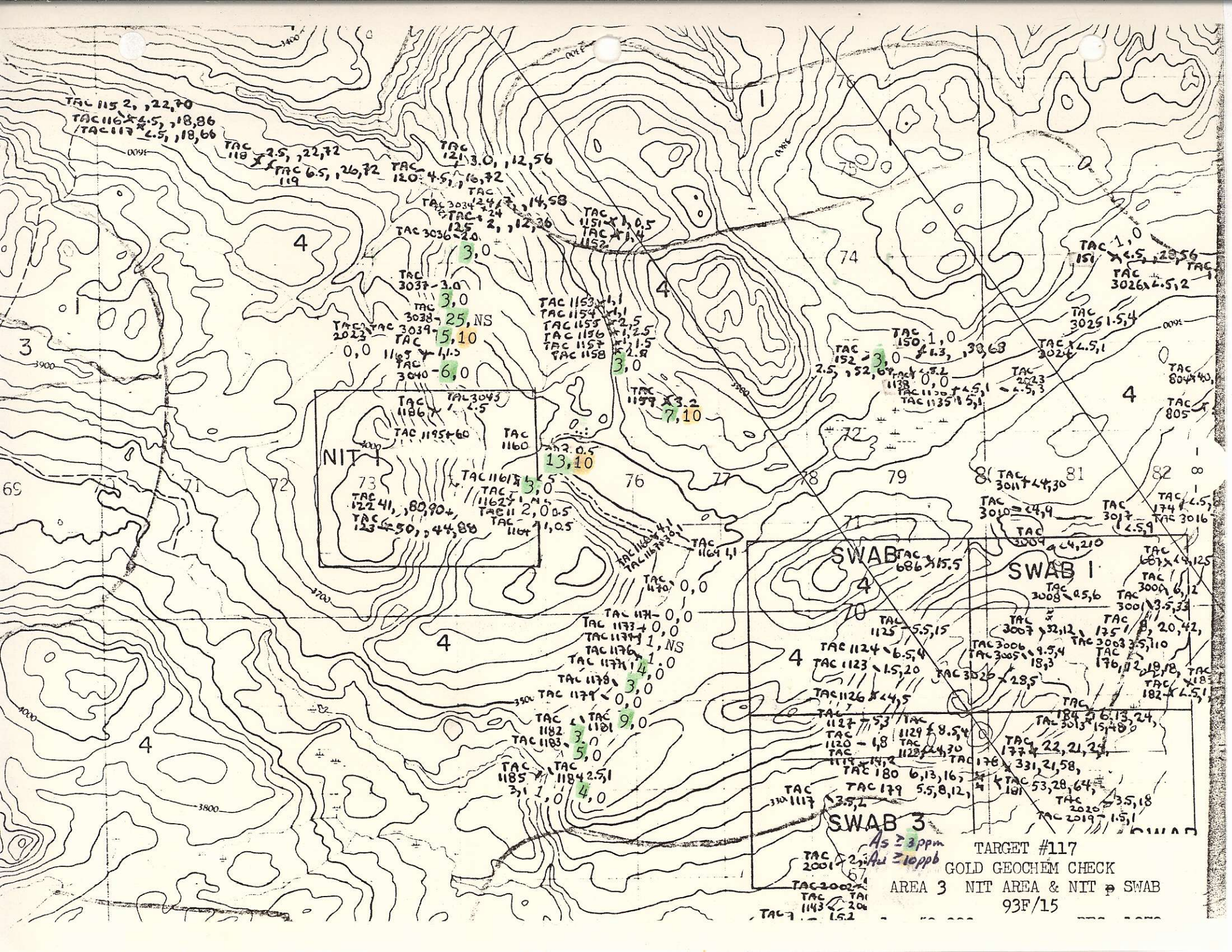
1 : 50,000

DEC 1979

NITHI
TAC 1161 1.1, 4.5
TAC 1162 1.0, 5
TAC 1163 1.0, 5
TAC 1164 1.0, 5
TAC 1165 1.5
TAC 1166 1.5
TAC 1167 1.5
TAC 1168 1.5
TAC 1169 1.5
TAC 1170 1.5
TAC 1171 1.5
TAC 1172 1.5
TAC 1173 1.5
TAC 1174 1.5
TAC 1175 1.5
TAC 1176 1.5
TAC 1177 1.5
TAC 1178 1.5
TAC 1179 1.5
TAC 1180 1.5
TAC 1181 1.5
TAC 1182 1.5
TAC 1183 1.5
TAC 1184 1.5
TAC 1185 1.5
TAC 1186 1.5
TAC 1187 1.5
TAC 1188 1.5
TAC 1189 1.5
TAC 1190 1.5
TAC 1191 1.5
TAC 1192 1.5
TAC 1193 1.5
TAC 1194 1.5
TAC 1195 1.5
TAC 1196 1.5
TAC 1197 1.5
TAC 1198 1.5
TAC 1199 1.5
TAC 1200 1.5

SWAB
TAC 686 X 15.5

SWAB I
TAC 3008 4.5, 6
TAC 3009 4.5, 6
TAC 3001 3.5, 2



TAC 115 2, 22,70
 TAC 116 4.5, 18,86
 TAC 117 4.5, 18,66

TAC 118 2.5, 22,72
 TAC 6.5, 26,72
 119

TAC 121 3.0, 12,56
 TAC 120 4.5, 16,72

TAC 3034 2.4, 14,58
 TAC 125 2, 12,36
 TAC 3036 2.0, 3.0

TAC 1151 1.0, 5
 TAC 1152 1.4

TAC 3037 3.0
 TAC 3038 3.0
 TAC 3039 25, NS
 TAC 2023 5, 10
 TAC 1153 4, 1.5
 TAC 3040 6, 0

TAC 1153 1.1
 TAC 1154 1.1
 TAC 1155 2.5
 TAC 1156 1.2, 5
 TAC 1157 1.5
 TAC 1158 2.8

TAC 150 1.0
 TAC 152 3.0
 TAC 153 4.3, 33,68
 TAC 1130 4.5, 1
 TAC 1135 1.5, 1

TAC 1.0
 TAC 151 4.5, 23,56
 TAC 3026 4.5, 2

TAC 3025 1.5, 1
 TAC 3024 4.5, 1

NIT 1
 TAC 1186 1.5
 TAC 1195 6.0
 TAC 1160 13, 10
 TAC 1161 3.5
 TAC 1162 1.5
 TAC 1163 2.0, 0.5
 TAC 1164 1.0, 0.5

SWAB 2
 TAC 686 15.5

SWAB 1
 TAC 3008 4.5, 6
 TAC 3009 4.2, 10
 TAC 3007 3.2, 12
 TAC 3006 9.5, 4
 TAC 3005 18, 3
 TAC 3004 6, 12
 TAC 3003 3.5, 10
 TAC 125 1.8, 20, 42
 TAC 176 1.2, 19, 18
 TAC 182 4.5, 1

TAC 1171 0, 0
 TAC 1172 0, 0
 TAC 1173 1, NS
 TAC 1174 1.0
 TAC 1175 1.0
 TAC 1176 1.0
 TAC 1177 1.0
 TAC 1178 3.0
 TAC 1179 0, 0

TAC 1124 6.5, 4
 TAC 1123 1.5, 20
 TAC 1122 4.5, 5
 TAC 1121 5.5, 15
 TAC 1120 1.8
 TAC 1119 1.4, 2
 TAC 1118 1.4, 2
 TAC 1117 3.5, 2

TAC 184 6.13, 24
 TAC 3013 15, 48
 TAC 177 2.2, 21, 24
 TAC 176 3.31, 21, 58
 TAC 180 6.13, 16
 TAC 179 5.5, 8, 12
 TAC 181 5.3, 28, 64
 TAC 2020 3.5, 18
 TAC 2019 1.5, 1

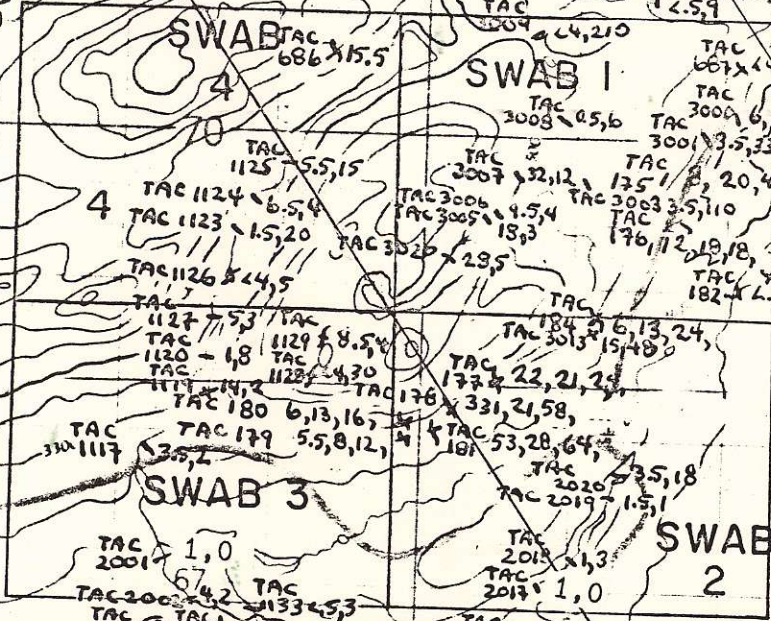
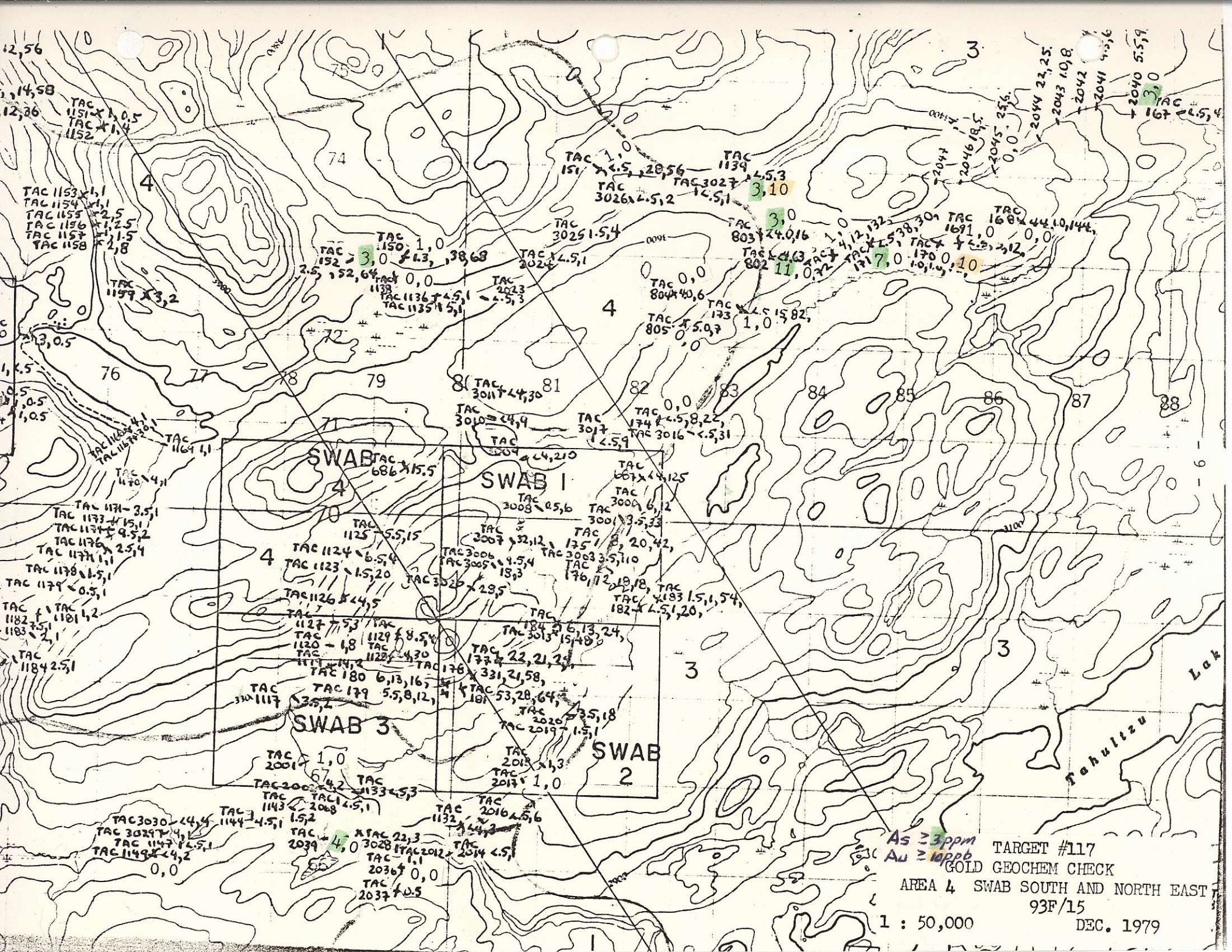
TAC 1181 9.0
 TAC 1182 3.0
 TAC 1183 5.0
 TAC 1184 2.5, 1
 TAC 1185 3.1, 1.0, 4.0

TAC 1127 7.5, 3
 TAC 1129 8.5, 4
 TAC 1128 4.4, 30
 TAC 1125 5.5, 15
 TAC 1124 6.5, 4
 TAC 1123 1.5, 20
 TAC 1122 4.5, 5
 TAC 1121 5.5, 15
 TAC 1120 1.8
 TAC 1119 1.4, 2
 TAC 1118 1.4, 2
 TAC 1117 3.5, 2

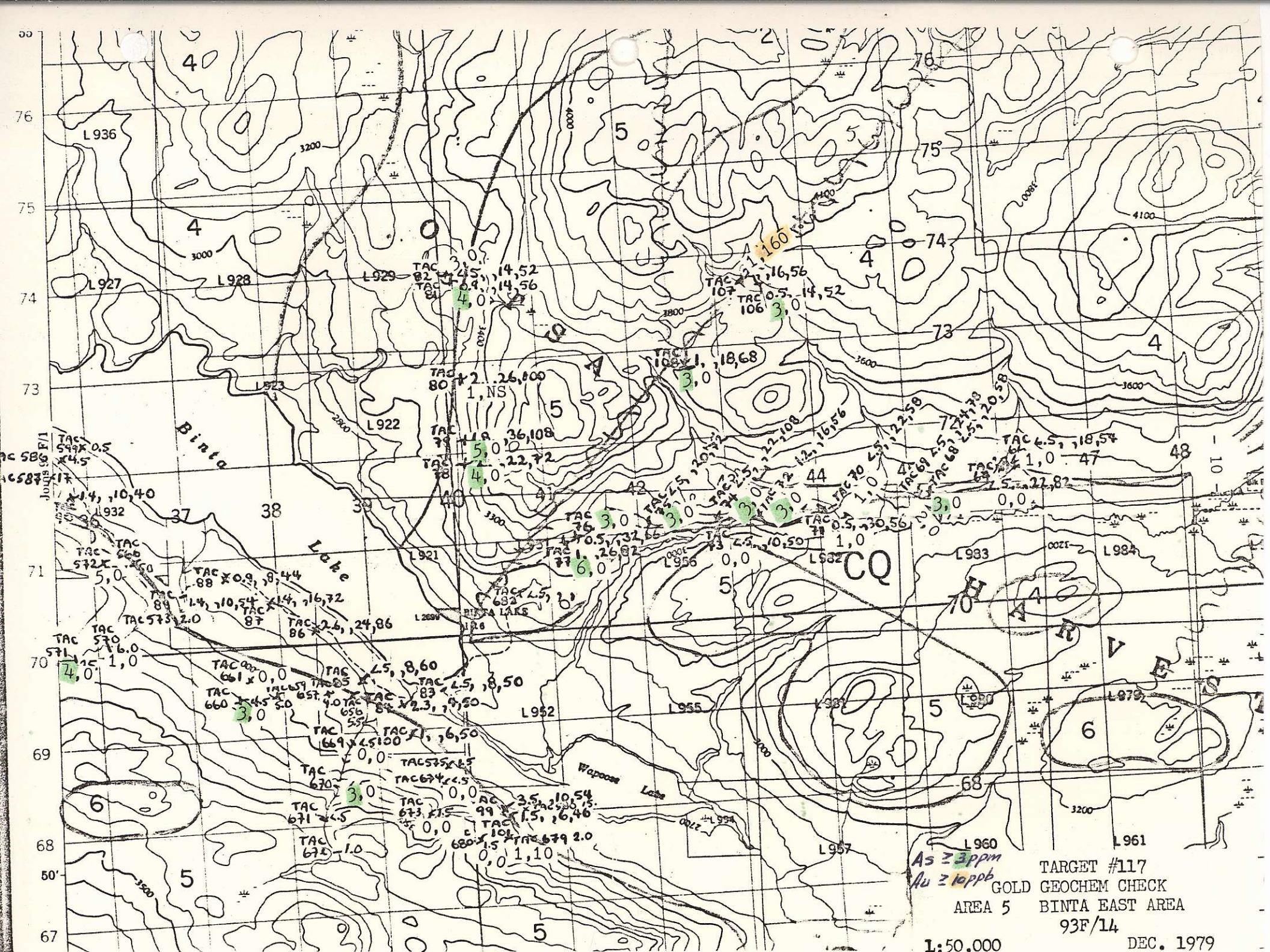
TAC 184 6.13, 24
 TAC 3013 15, 48
 TAC 177 2.2, 21, 24
 TAC 176 3.31, 21, 58
 TAC 180 6.13, 16
 TAC 179 5.5, 8, 12
 TAC 181 5.3, 28, 64
 TAC 2020 3.5, 18
 TAC 2019 1.5, 1

SWAB 3
 As ≥ 3ppm
 Au ≥ 10ppb
 TAC 2001 6.7
 TAC 2002 1.5, 2
 TAC 1143 2.0
 TAC 1142 1.5, 2

TARGET #117
 GOLD GEOCHEM CHECK
 AREA 3 NIT AREA & NIT SWAB
 93F/15



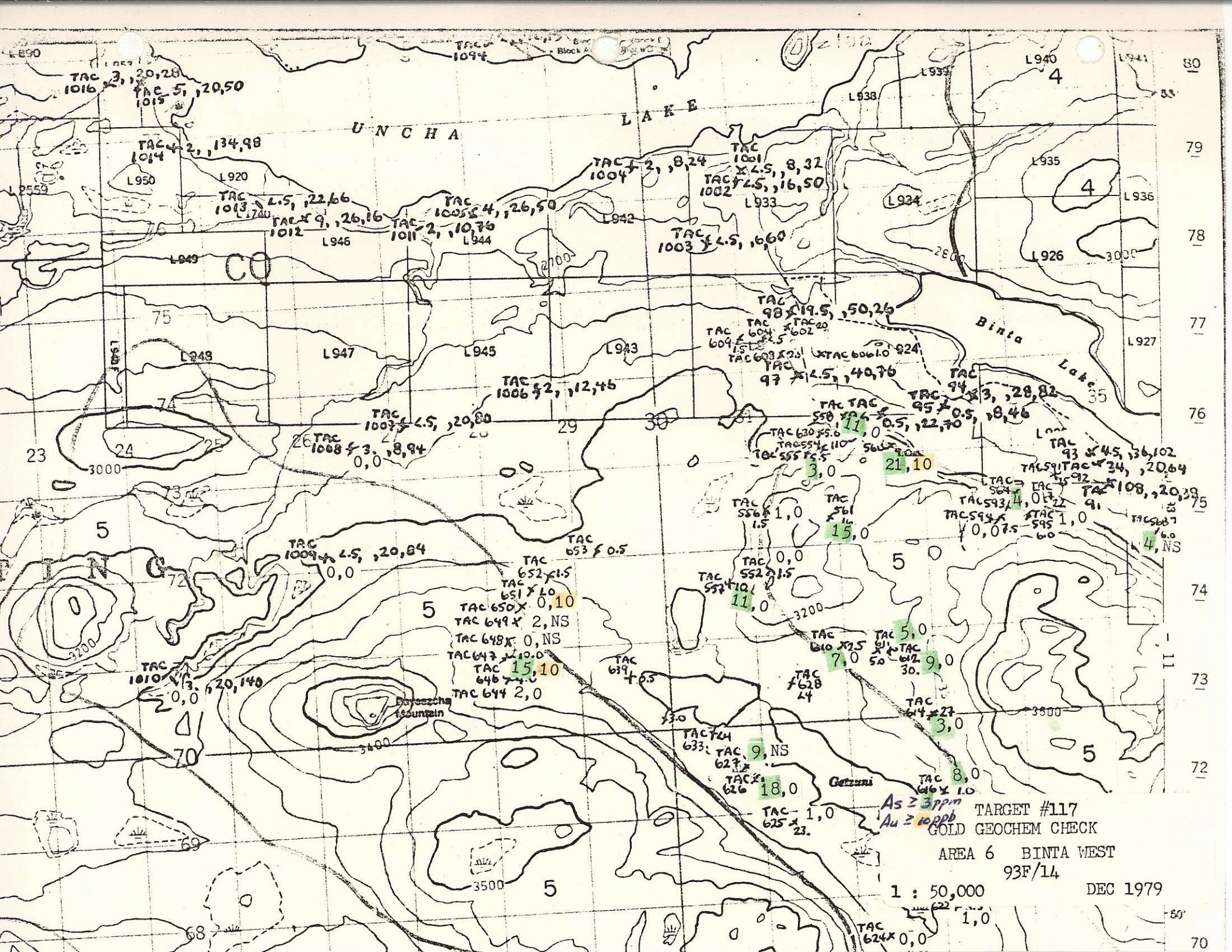
As ≥ 3 ppm
 Au ≥ 10 ppb
 TARGET #117
 GOLD GEOCHEM CHECK
 AREA 4 SWAB SOUTH AND NORTH EAST
 93F/15
 1 : 50,000
 DEC. 1979



1:50,000

TARGET #117
 GOLD GEOCHEM CHECK
 BINTA EAST AREA
 93F/14

DEC. 1979



TAC 3, 20,28
TAC 5, 20,50

TAC 4, 2, 134,98

TAC 1013 4.5, 22,66

TAC 9, 26,16

TAC 1005 4, 26,50

TAC 2, 10,76

TAC 1001 2.5, 8,32

TAC 1002 2.5, 16,50

TAC 1003 4.5, 6,60

TAC 98 19.5, 50,26

TAC 604 2.5

TAC 602 2.5

TAC 603 2.5

TAC 97 2.5, 40,76

TAC 94 3, 28,82

TAC 95 0.5, 18,46

TAC 550 2.5, 11,0

TAC 630 2.5, 11,0

TAC 555 2.5, 3,0

TAC 93 4.5, 136,102

TAC 92 2.5, 20,64

TAC 593 4, 0,0

TAC 594 0,0

TAC 595 1,0

TAC 596 0,0

TAC 597 4, NS

TAC 1009 4.5, 20,84

TAC 653 0.5

TAC 652 1.5

TAC 651 1.0

TAC 650 0,10

TAC 649 2, NS

TAC 648 0, NS

TAC 647 10,0

TAC 646 15,10

TAC 645 4,0

TAC 556 1,0

TAC 557 1.5

TAC 558 11,0

TAC 610 2.5

TAC 609 5.0

TAC 608 7,0

TAC 607 4

TAC 1010 3, 20,140

TAC 639 0.5

TAC 638 4

TAC 637 9, NS

TAC 627 18,0

TAC 626 18,0

TAC 625 1,0

TAC 624 0,0

TAC 616 8,0

TAC 615 1.0

As ≥ 3ppm
Au ≥ 10ppb

TARGET #117
GOLD GEOCHEM CHECK

AREA 6 BINTA WEST
93F/14

1 : 50,000

DEC 1979

TAC 624 0,0

1,0

80
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73
72
50'

NEW PROPERTIES

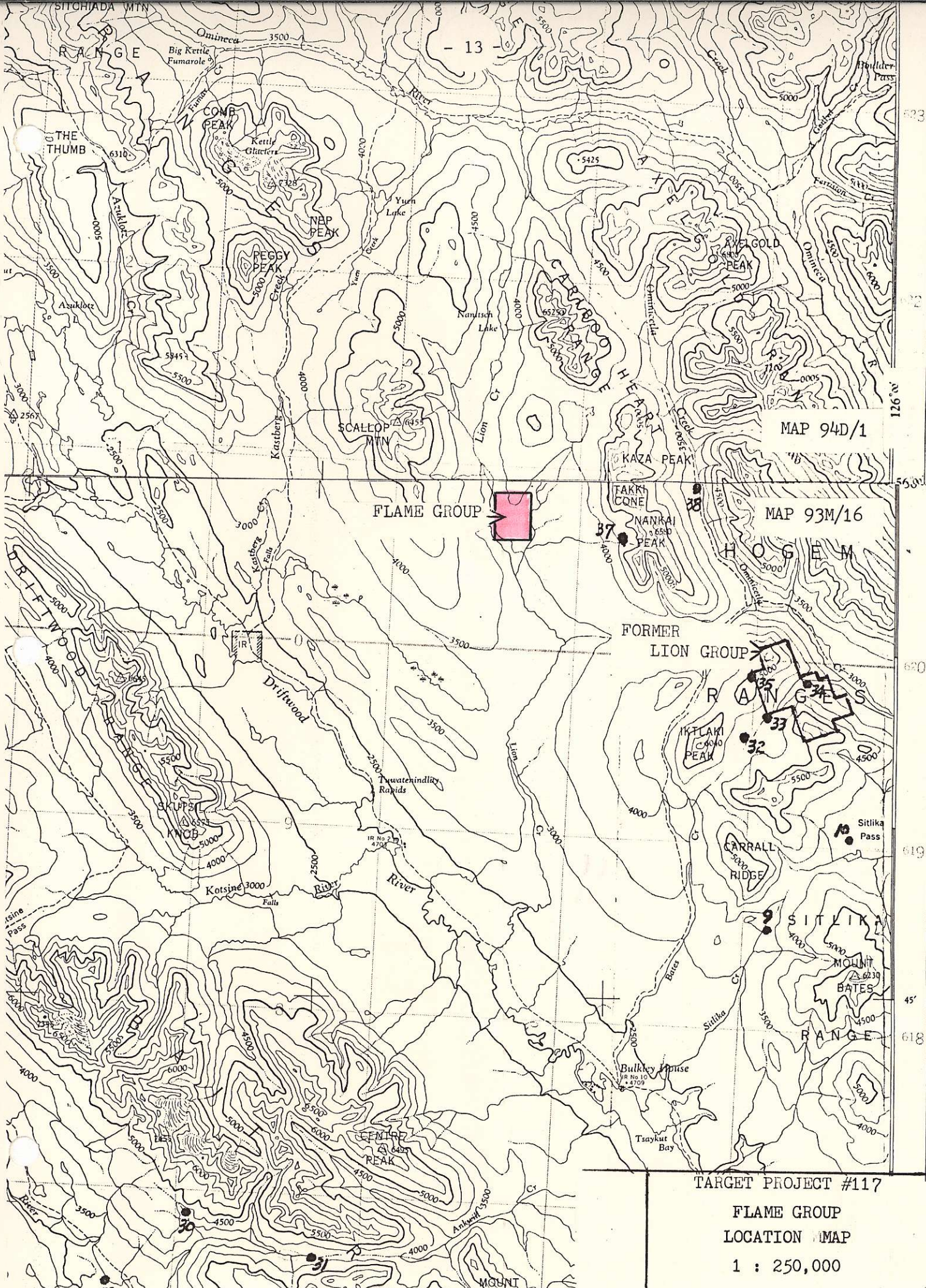
FLAME GROUP 93M/16

Location

The 20 unit FLAME group is located approximately 20 miles (32 km) north of Takla Lake in Map 93M/16. The group is 10 miles (16 km) north west of the former LION group. See LOCATION MAP 1:250,000.

Claim Status

Two claims of the older FIRE group are held by R. Tate and cover some of the main mineral showings and part of the geochemical anomaly. Posts have not been located thus far. See CLAIM MAP 1:50,000.

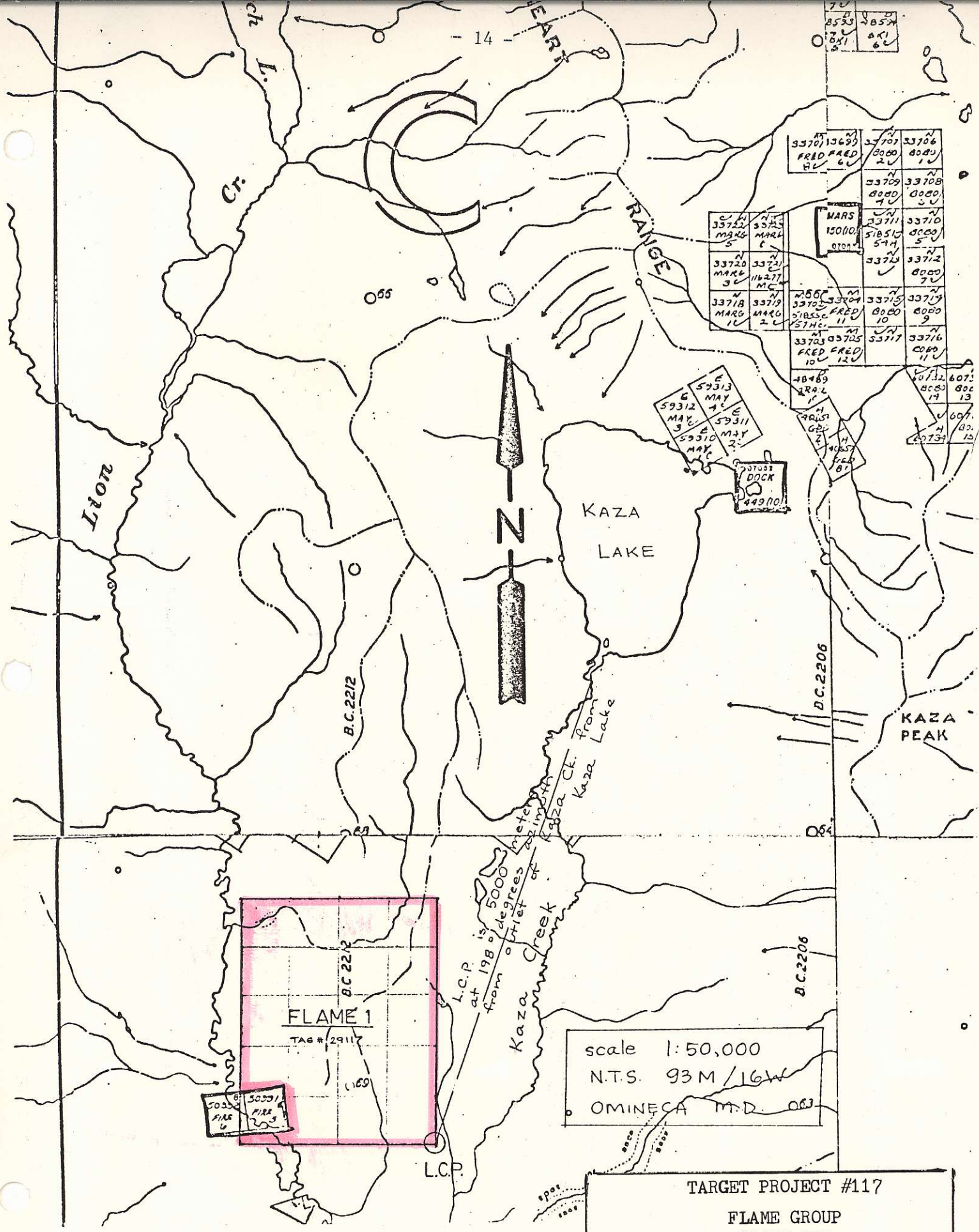


TARGET PROJECT #117

FLAME GROUP
LOCATION MAP

1 : 250,000

70	8530	8531
8532	8533	8534
8535	8536	8537



33701	13633	33707	33706
FRED	FRED	2U	8084
6U	6U	2U	1U
33709		33708	
8080		0080	
4U		2U	
MARS		33710	
15010		0000	
010A		5H	
33720	33721	33720	33712
MARS	MARS	11627	8000
3U	MC	7U	7U
33718	33719	33715	33719
MARS	MARS	51853	8000
1U	2U	11	8000
		57H	9
		33703	33717
		05705	55117
		FRED	33716
		10U	0080
		12U	11U

59313	E	59313
MAY	3C	MAY
3C	E	59311
59312	MAY	59310
3C	2C	MAY
		3C

44910	DOCK
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FLAME 1
TAG # 29117

scale 1:50,000
N.T.S. 93 M / 16 W
OMINECA M.D. 083

TARGET PROJECT #117
FLAME GROUP
CLAIM MAP
1 : 50,000

L.C.P. is
at 198° of 5000
meters
from a point
of 171° at
Kaza Creek
Kaza Cr. from
Kaza Lake

L.C.P.

KAZA
PEAK

Lion
Cr.

N

KAZA
LAKE

B.C.2212

B.C.2206

B.C.2206

Purpose

Assessment reports indicate significant gold content in some of the copper zones. The area contains several types of acid volcanics and is cut by felsite dykes. A semi regional prospecting program is envisaged to investigate the gold potential of the several rock types. The FLAME group was staked to cover favourable showings and discourage staking by others until a geochemical survey could be done.

Mineralization

The following description is taken from Assessment Report #4477 by P.M. Dean for Dynasty Exploration Limited 1973.

MINERAL SHOWINGS AND ALTERATION

The mineralization of the Kaza claims is clearly epigenetic, is related to north-south trending faults and is accompanied by three distinctive types of alteration. The main mineralized showings occur as linear zones of hornblende-sulphide rock which conform to topographic depressions. These hornblende rocks, which were described by Riensbakken as "hornblendite dikes", are probably skarns developed in the volcanics along zones of fracturing. The sulphide component of these mineral zones consists of pyrite mainly, with minor chalcopryrite, bornite, sphalerite and magnetite. Sulphide abundance varies from about 5% to nearly massive. The two main hornblende skarn zones are a few feet wide and outcrop intermittently over lengths of several hundred feet; they appear to dip steeply.

Patchy exposures of a distinctively different type of skarn, consisting of epidote, calcite and minor pink garnet, occur in the area of the main showings. These skarns also are mineralized with pyrite and chalcopryrite and probably developed in more calcite-rich parts of the volcanics.

The following assay values were obtained from chip samples taken across the best exposed parts of the main skarn showings:

<u>Number</u>	<u>Description</u>	<u>Cu</u> (%)	<u>Au.</u> (oz/ton)	<u>Ag.</u> (oz/ton)
3-D-17	Chip sample across 6½ ft. of hornblende-sulphide skarn	0.20	0.004	0.05
3-D-26	Chip sample across 13 ft. of hornblende-sulphide skarn	<u>0.88</u>	<u>0.45</u>	0.37
3-D-28	Grab sample of epidote-calcite-garnet-sulphide skarn	0.22	0.010	0.08

<u>Number</u>	<u>Description</u>	<u>Cu</u> (%)	<u>Au</u> (oz/ton)	<u>Ag</u> (oz/ton)
3-D-29	Chip sample across 9 ft. of epidote-calcite-garnet skarn with massive sulphide bands	1.01	0.040	0.34
3-D-30	Chip sample across 6 ft. of epidote-calcite-sulphide skarn with at least 50% sulphides.	1.39	0.071	0.41
3-D-32	Chip sample across 5 ft. of hornblende-sulphide skarn with 30% sulphides	0.28	trace	0.28

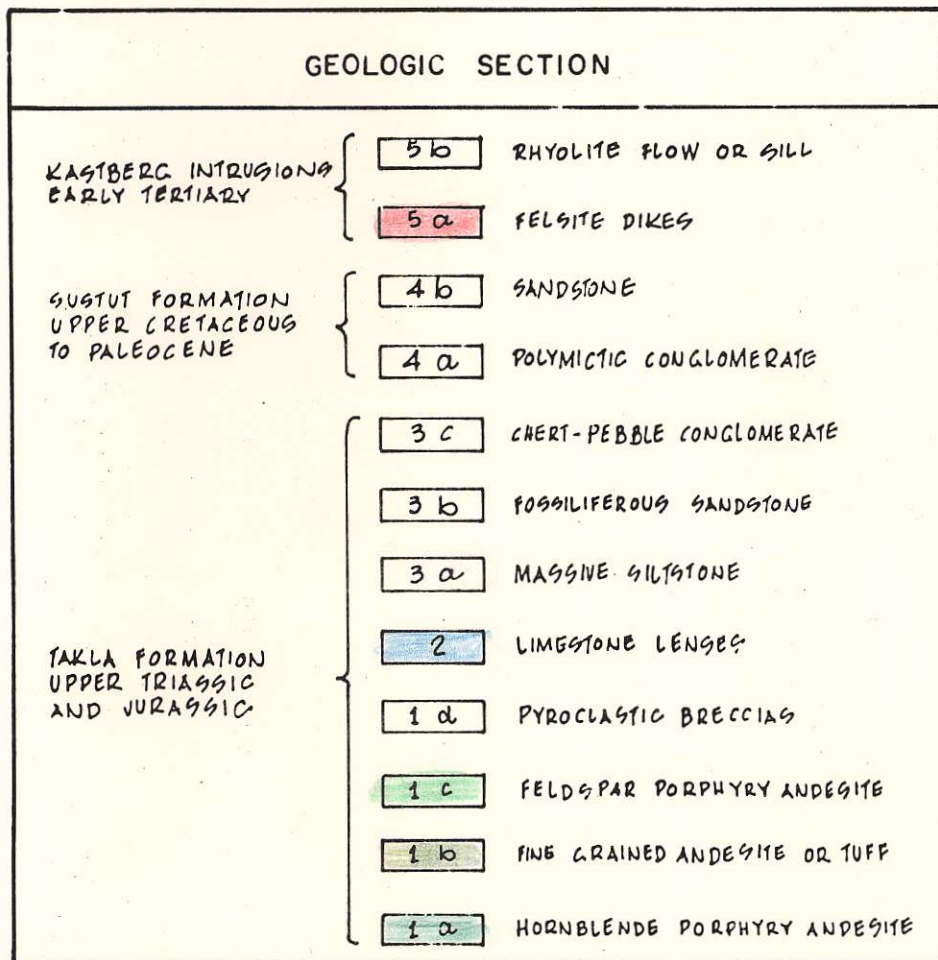
Where possible, these chip samples were taken perpendicular to the strike of the mineralized zones but the lengths of samples represent horizontal or surface distance, not true widths of mineralization. The samples are representative of the best mineralized sections where bedrock is exposed.

Minor amounts of chalcopyrite and bornite occur in small quartz-orthoclase-epidote veinlets, both near the main showings and elsewhere on the claims. These small mineralized veins are probably of no economic significance.

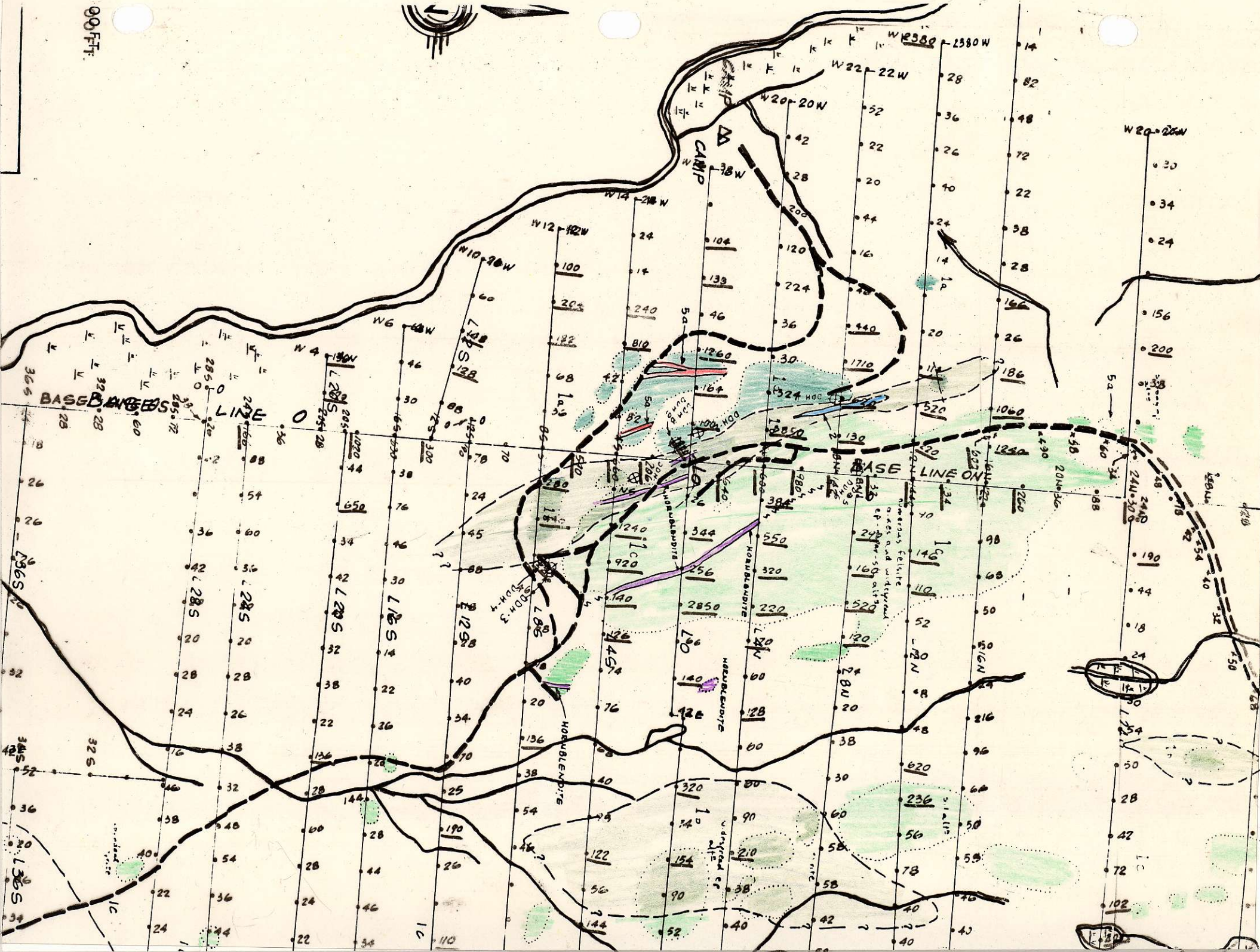
Chalcopyrite and bornite also occur sparsely disseminated through a limestone lens that outcrops in the vicinity of the main showings.

Geology and Geochemistry

The geological legend from Assessment Report 4477 follows with a copy of part of the geological map. The overlay shows soil sample copper values in ppm. Several drill hole locations are indicated on the map but no records for these holes have yet been obtained.



900 FT.



Proposed Program

If preliminary checking indicates the geological map is essentially accurate it will be accepted until rock sampling and geochemical reconnaissance are completed - mineralization and alteration zones are to be chip sampled and assayed for Cu, Au, Ag. Check soil sampling in the vicinity will be done for orientation purposes.

A soil and rock geochemical reconnaissance is proposed to investigate the gold potential of the various rock types. Particular attention will be paid to rhyolites and felsites of the Kastberg intrusives but the program is intended to assess all rock types.

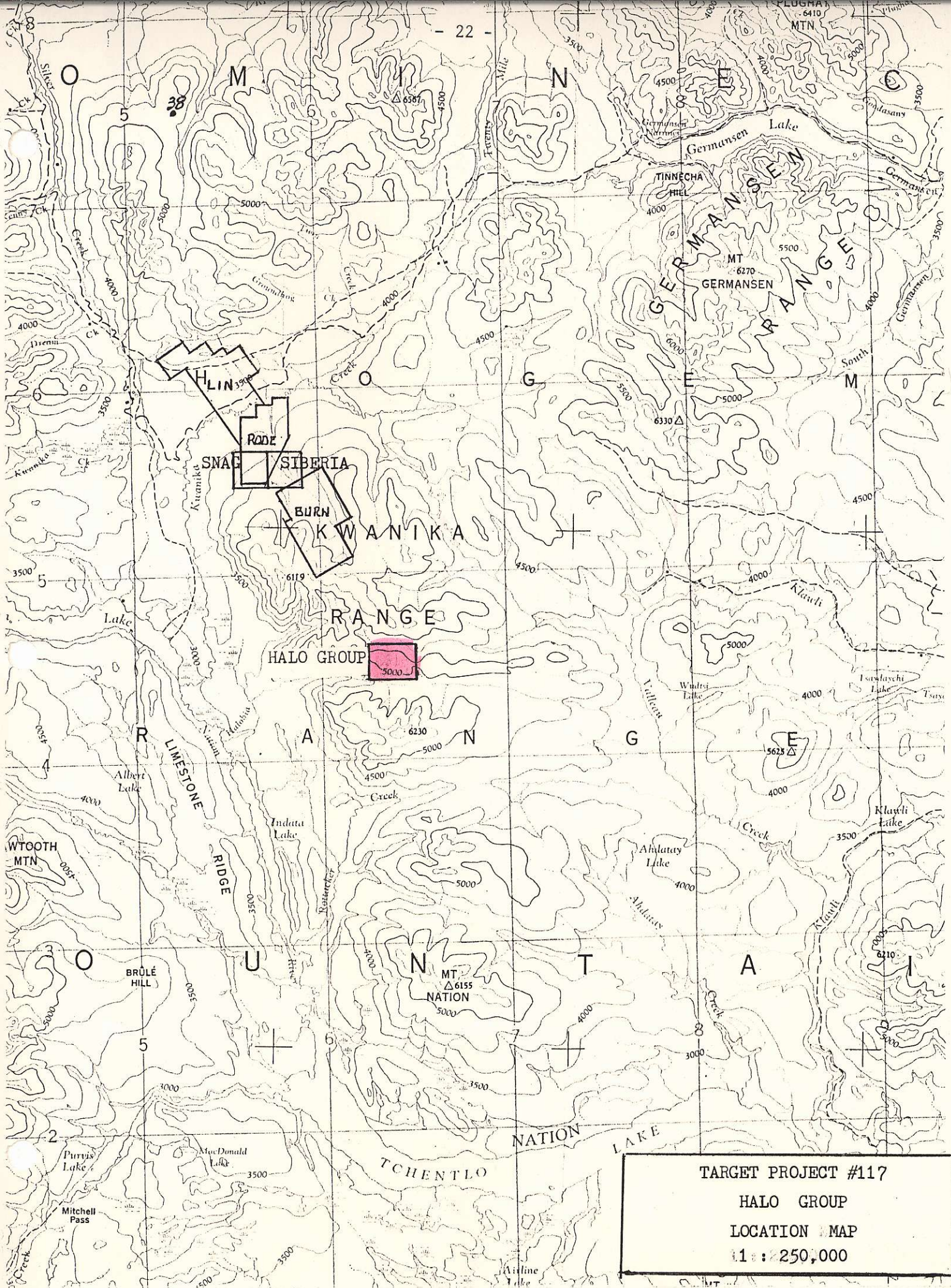
HALO CLAIM GROUP

Location

The 20 unit HALO group lies three miles south east of the LUC Syndicates BURN property in Map Sheet 93N/6. See Location Map.

Claim Status

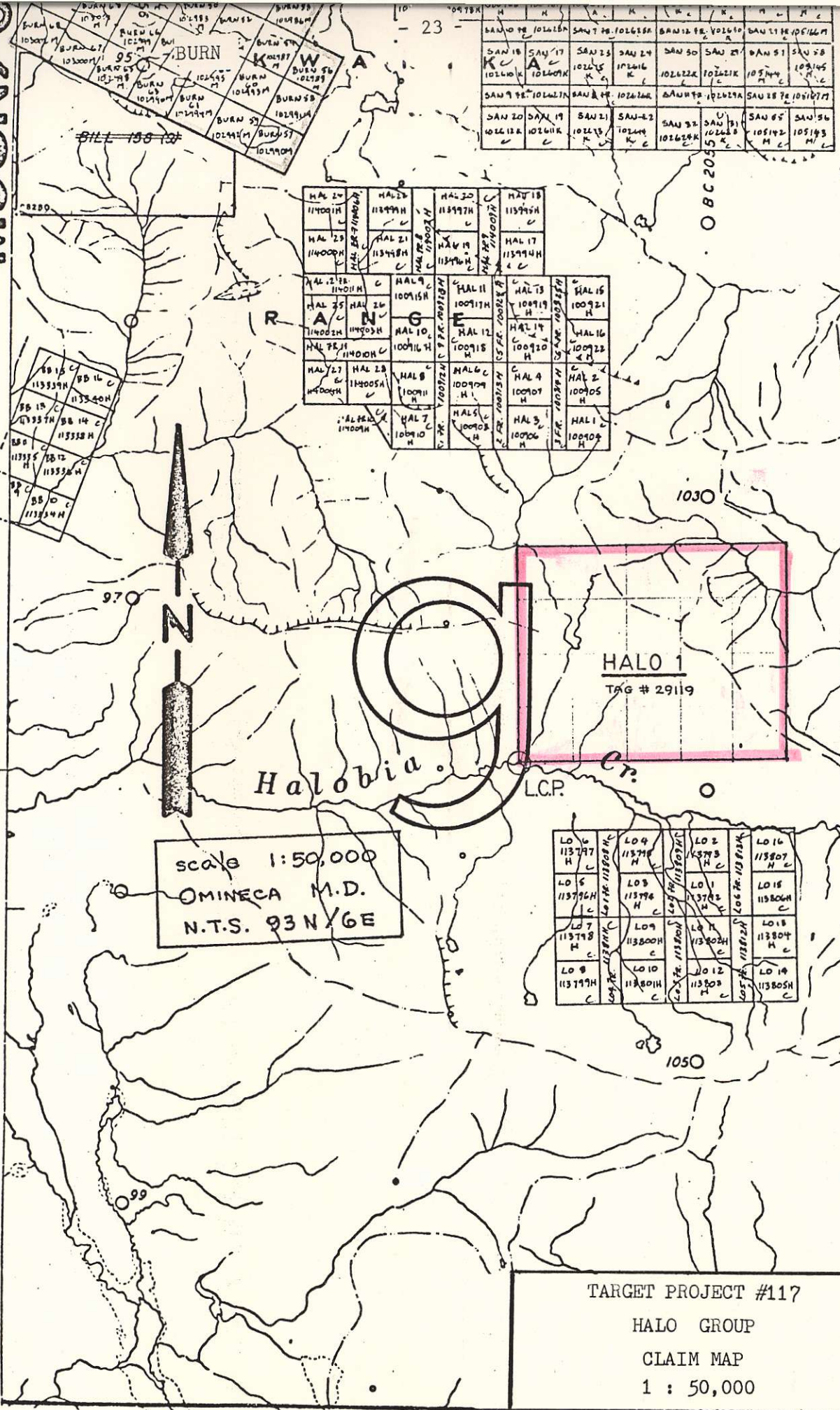
No conflicting claims are apparent (See Claim Map) and the group lies beyond the two kilometre perimeter designated in the Placer Agreement on the BURN property. The property had previously (1971) been sampled and drilled by UMEX as the NOBLE group.



TARGET PROJECT #117
 HALO GROUP
 LOCATION MAP
 1 : 250,000

M93N/6

MAP 93 N/6 W



SAN 10	SAN 11	SAN 12	SAN 13	SAN 14	SAN 15	SAN 16	SAN 17	SAN 18	SAN 19
10210K	10211K	10212K	10213K	10214K	10215K	10216K	10217K	10218K	10219K
M	M	M	M	M	M	M	M	M	M

HAL 24	HAL 25	HAL 26	HAL 27	HAL 28	HAL 29	HAL 30	HAL 31	HAL 32	HAL 33
114001H	114002H	114003H	114004H	114005H	114006H	114007H	114008H	114009H	114010H
H	H	H	H	H	H	H	H	H	H

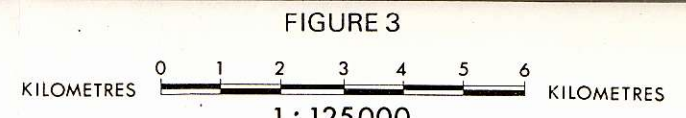
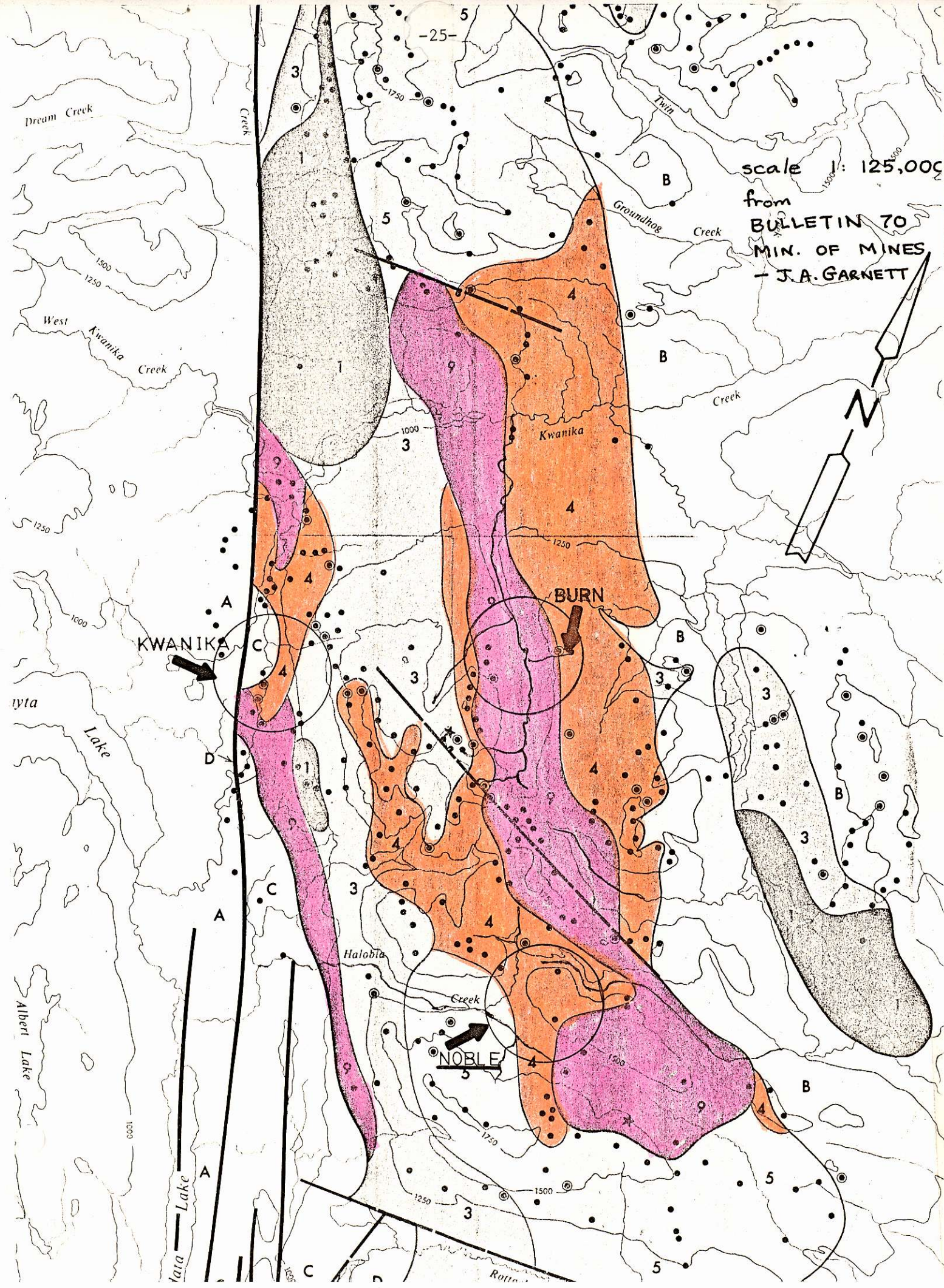
BB 15	BB 16	BB 17	BB 18	BB 19	BB 20
113339H	113340H	113341H	113342H	113343H	113344H
H	H	H	H	H	H

LO 6	LO 7	LO 8	LO 9	LO 10	LO 11	LO 12	LO 13	LO 14	LO 15	LO 16
113777H	113778H	113779H	113780H	113781H	113782H	113783H	113784H	113785H	113786H	113787H
H	H	H	H	H	H	H	H	H	H	H

TARGET PROJECT #117
 HALO GROUP
 CLAIM MAP
 1 : 50,000

GEOLOGY

The geological setting is illustrated on the accompanying copy of part of Jack Garnett's map of the Southern Hogen batholith (B.C.D.M. Bulletin 70). The setting is very similar to that on BURN.



1:125000

LEGEND

RECENT

E GLACIAL OVERBURDEN

LOWER CRETACEOUS

USLIKA FORMATION

D SANDSTONE, CONGLOMERATE

HOGEM BATHOLITH

9 LEUCOCRATIC GRANITE, QUARTZ SYENITE, ALASKITE

PHASE III

LOWER/MIDDLE JURASSIC

CHUCHI SYENITE:

8 LEUCOCRATIC SYENITE, QUARTZ SYENITE

PHASE II

DUCKLING CREEK SYENITE COMPLEX:

7 MAINLY LEUCOCRATIC SYENITE

6 MAINLY FOLIATED, MIGMATITIC SYENITE

UPPER TRIASSIC/LOWER JURASSIC

HOGEM GRANODIORITE:

5 GRANODIORITE, QUARTZ MONZODIORITE; minor tonalite, quartz diorite, quartz monzonite, granite

HOGEM BASIC SUITE:

4 MONZONITE, QUARTZ MONZONITE

PHASE I

3 MONZODIORITE, QUARTZ MONZODIORITE

NATION LAKES PLAGIOCLASE PORPHYRY:

2a (a) MONZONITE

2b (b) MONZODIORITE

1 DIORITE; minor gabbro, pyroxenite, hornblendite

TAKLA GROUP

C MAINLY INTERBANDED BLACK ARGILLITE, BROWN SILTSTONE AND SHALE; minor limestone

B MAINLY DARK GREEN ANDESITIC AND BASALTIC VOLCANIC ROCKS, TUFFS, AND BRECCIAS, INTERBEDDED WITH FLOW ROCKS AND COMMONLY CUT BY PYROXENE AND FELDSPAR PORPHYRY DYKES

PERMIAN

CACHE CREEK GROUP

A MASSIVE LIMESTONE, DOLOMITE; minor gabbro, serpentinite, quartzite

TARGET PROJECT #117
HALO (NOBLE) GROUP
GEOLOGY

GEOCHEMISTRY

Copper

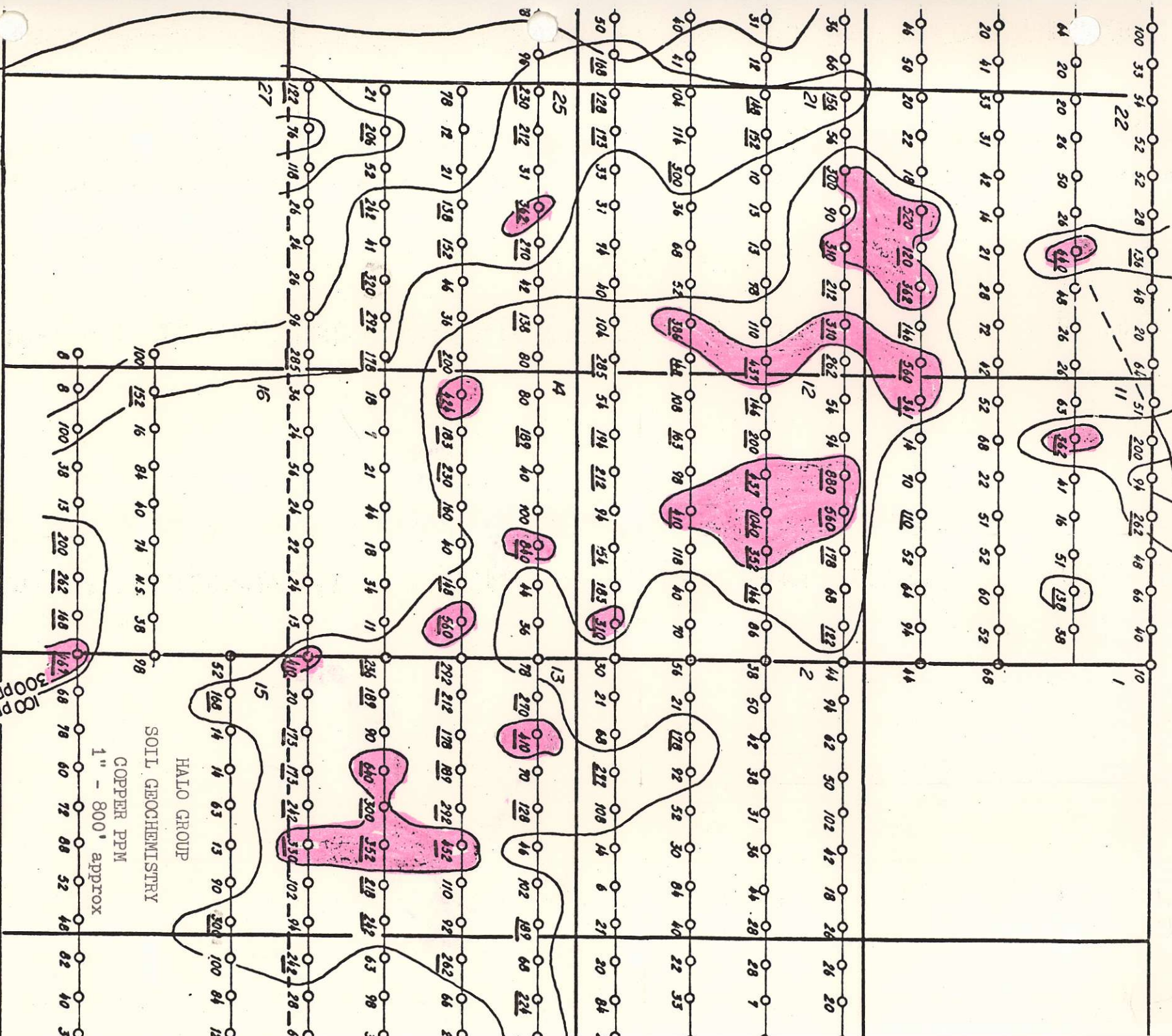
Soil samples, taken at 200 foot intervals on lines 400 feet apart indicate a large area (6000' x 1600') of generally +100 ppm copper. A parallel zone of similar nature lies to the southwest. Within these zones are areas of +300 ppm copper with a high of 1040 ppm.

Molybdenum

Relatively large areas (up to 2500' x 1400') of +20 ppm Mo occur in a pattern generally coincident with the +100 ppm copper anomalies. Smaller areas of +60 ppm Mo, however, within the anomalous zones, are not coincident with the +300 ppm copper.

Examination of the property will be necessary to interpret the possible significance of these anomalies. The location, from Garnetts map, suggests the anomalies are in monzonite of the "Hogem Basic Suite." Unit 9 "Leucocratic granite, quartz syenite, alaskite" lies to the east but might very well underlie the monzonite.

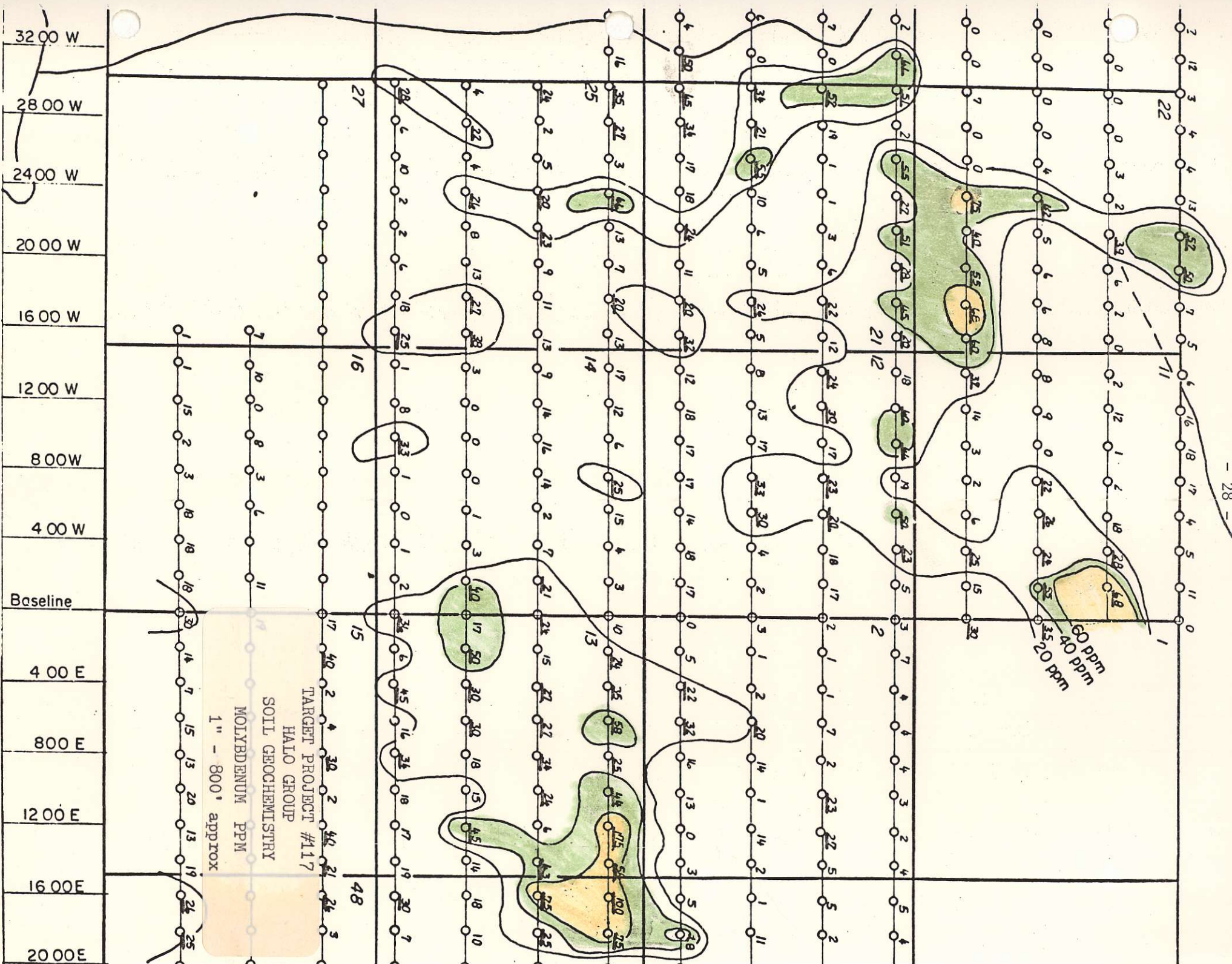
The 1" - 1 mile aeromagnetic map indicates a low in the vicinity which tends to outline the more acid intrusives with a straighter north west trend than shown by the geological contacts on Garnetts map.



3200 W
2800 W
2400 W
2000 W
1600 W
1200 W
800 W
400 W
Baseline
400 E
800 E
1200 E
1600 E
2000 E

SOIL GEOCHEMISTRY
COPPER PPM
1" - 800' approx
HALO GROUP

3000 ppm
100 ppm
500 ppm

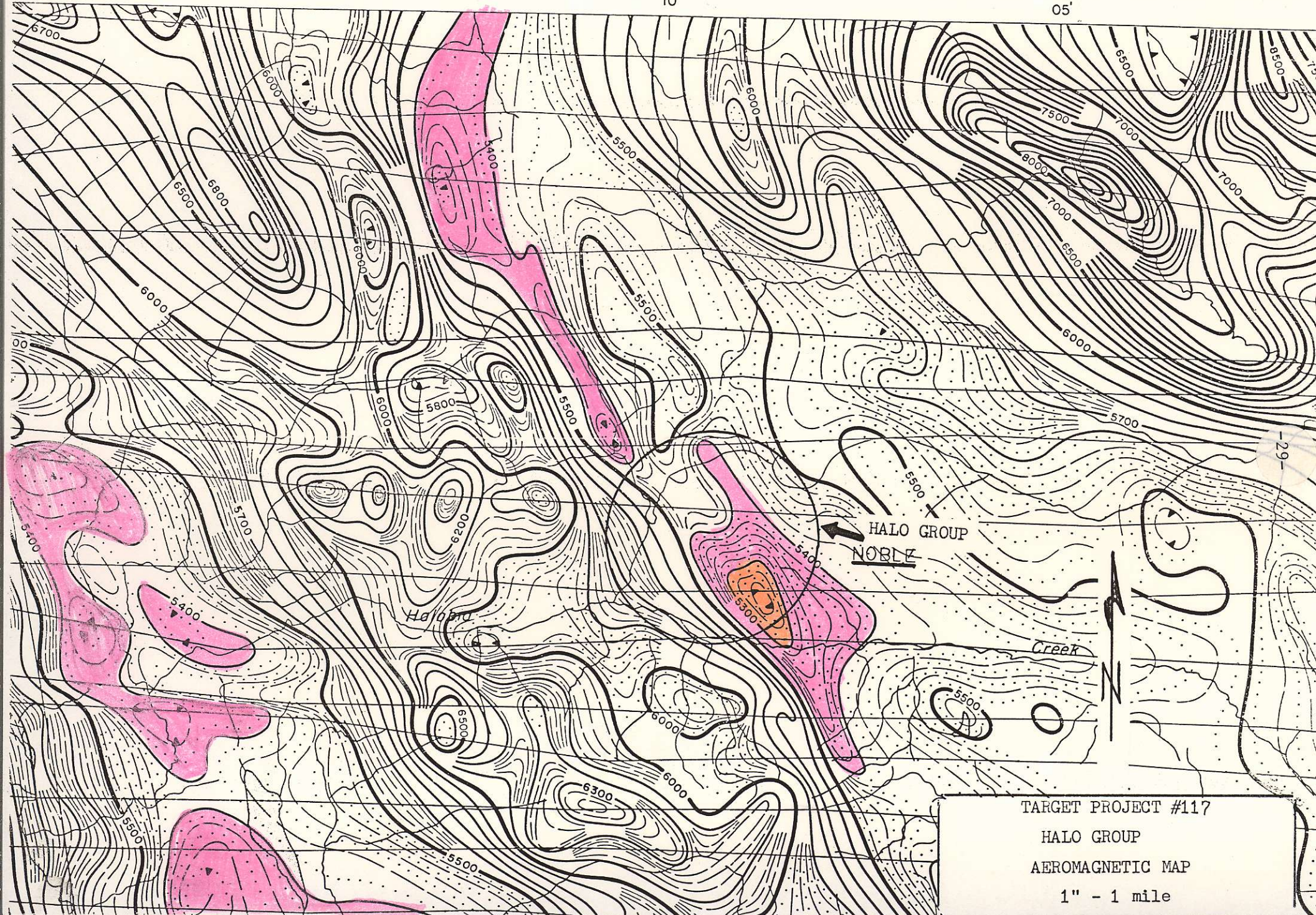


TARGET PROJECT #117
HALO GROUP
SOIL GEOCHEMISTRY
MOYLEBENIUM PPM
1" - 800' approx

15'

10'

05'



TARGET PROJECT #117
HALO GROUP
AEROMAGNETIC MAP
1" - 1 mile

Proposed Program

Some diamond drilling was done by UMEX and an effort is being made to obtain records of these holes. A geological reconnaissance of the property to locate the soil sample grid within a geological and topographic framework is proposed. Some check soil sampling will be done at the same time.

Depending on initial results a program of geological mapping and a magnetometer survey are proposed.

FINANCIAL STATEMENT

A financial statement follows this report and indicates expenditure of a substantial portion of the budget. The item for "Sub-Contracts" is high since Fraser is employed on a contract basis. This would normally be included in "Salaries". A portion of the "Sub-Contract" cost was paid for assistance with staking the FLAME group.

The \$19,200 originally budgeted for percussion drilling on SWAB group has been transferred to the general exploration budget which is estimated at \$82,300.00 for the year. A summary of distribution of costs was included in our notes "Third Annual Meeting" dated January 31.

Respectfully submitted

J.C. Stephen Explorations Ltd.



J.C. Stephen

JCS/ms

FINANCIAL REPORT

January 1 - March 31, 1980

<u>Item</u>	<u>March 31</u>
ADVANCES-EXPENSES	\$ 500.00
MAPS, PHOTOS, PUBLICATIONS	242.88
ASSESSMENT RECORDING	500.00
GEOCHEMISTRY	1,841.95
SUB-CONTRACTS	4,744.70
SALARIES & BENEFITS	903.24
WORKERS' COMPENSATION	29.36
TOOLS & SUPPLIES	588.18
BLUEPRINTING, DRAFTING & SUPPLIES	234.38
AIRCRAFT RENTAL	748.00
PUBLIC RELATIONS, SYMPOSIUMS ETC.	6.65
TRAVEL EXPENSE	402.90
TELEPHONE, POSTAGE	211.96
J.C. STEPHEN EXPLORATIONS LTD. SERVICES	1,614.57
OVERHEAD	268.19
INTEREST & BANK CHARGES	<u>9.00</u>
TOTAL	12,845.96
CONTRIBUTIONS	28,500.00
BALANCE PER BANK January 1	502.17
BALANCE PER BANK March 31, 1980	16,156.21