Aug 28/79

BC Gold Synd Monthly Rep August 1979

JCS OFFICE

B.C. GOLD SYNDICATE

MONTHLY REPORT

by

J.T. SHEARER

671538

August 28,1979
Franklin Camp

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SUMMARY

(1) Sample results were received for work done on the Alder Claims. Anomalous soils running up to 320 ppb Au were found near Nicks Creek. A rock assayed 2800 ppb Au from west Huxley Island. Detail follow-up work is warranted.

(2) A decision on the proposed Crescent Claims budget was deferred by the Committee.

(3) Limited prospecting was carried out near Yakoun Lake.

(4) The claim situation in the Terrace is reviewed.

(5) A prominent gossan on the Chilcotin River was examined. All samples returned low gold.

(6) Ten claims were staked in the Franklin Camp to cover a low gold bearing drusy quartz breccia in silicified Kettle River Formation arkosic sandstone. Soil results are pending. A total of about $4,300 is available for assessment credit. A general reconnaissance was made of the entire Franklin Area.

(7) Preliminary property work was completed on the Golden Eagle Group. Soil results are pending. Approximately $4,000 was spent.

(8) Float occurrences in the Lightning Peak area were briefly followed up. Present claim status is compiled and future possibilities discussed.

INTRODUCTION

Initial 1979 prospecting on the Queen Charlotte Islands was completed by July 30. The crew proceeded to Greenwood-Grand Forks area and several interesting prospects were examined along the way. A base camp was established August 6 at the Burrell Creek ford in the Franklin Camp immediately below the Union millsite.

Results have been received and tabulated for the Alder Claims. Anomalous soil samples up to 320 ppb Au were found in the center claim line near the 4-East post of Alder Gold 1 and 2. A rock specimen from western Huxley Island ran 2800 ppb Au. Channel samples taken on the East Huxley silicified zone gave low, but definitely anomalous gold values (100-200 ppb Au). Detail follow-up work appears warranted. Soils on the south end of Burnaby Island also deserve a more comprehensive examination.

Data on several properties in the Terrace Area were evaluated but none were investigated in the field because of the large number of new claim blocks staked nearby. The Wineglass Ranch gossan zone was sampled, unfortunately, all results are uniformly low.

At Franklin a silicified, drusy quartz breccia zone was discovered in Kettle River Formation arkosic sandstone. This zone appears stratiform and is located about 25 m above the unconformable contact between Paleozoic greenstone and overlying Eocene arkose immediately east of the old White Bear shaft. This is exactly the target environment as outlined in the Syndicate proposal (J.T. Shearer, August 1978). Initial sampling indicates one rock specimen containing 130 ppb Au. Soil results are pending. Ten claims have been staked to cover the silicified zone and fluorite bearing tuffs to the east.

Reconnaissance prospecting has been completed over the entire Franklin Camp. Open ground is extremely tight. Claims owned by J. Carson near Last Chance Creek were examined for reported anomalous soils over Kettle River Formation conglomerate.

A total of 20 man days were spent on a detail property evaluation of the Golden Eagle Group owned by J. Stoochnow including geology and a soil grid. Soil results are pending. This appears to be the first compilation to be done on this group consisting of several well known old showings.

Float occurrences were followed up in the Lightning Peak area. However, much of the potentially attractive ground is presently held. Recce soils were completed in the event of any ground being dropped. Judging from the large number of old claim posts and newly cut grid lines there appears to have been substantial work done in the camp since 1967. A very young Tertiary breccia zone near Greenwood will be examined before returning to Vancouver.

The Burrell Creek campsite was the best by far this season for availability of water and flat, dry, open ground. The area experienced a long hot spell during July, but the threat of a forest closure was alleviated by rain on August 14.

From July 28 to August 28 time allocation to various classifications is tabulated below. Individual time sheets are contained in Appendix I.

TABLE I

Item	Man Days
Prospecting and Geology	63
Claim Staking	8
Geochemistry (all day)	14
Camp Construction and Moves	6
Travelling	18
Office - Drafting	10
Line Cutting	2
Holidays	3
Total	124 man days

Travelling is high due to the major move from the Charlottes to Grand Forks, whereas camp construction is relatively low since most work was near Franklin.

EXPENDITURES

Up to the end of August, the program has spent approximately $82,338.00. Major field cost items are:

(a) Helicopter Time-Zero Hours

(b) Fixed Wing -Zero

(c) Truck Costs
- (1) Chev Suburban — Mileage - 2644.5 miles; Gas - $235.74
- (2) Ford Pickup — Mileage - 3027.4 miles; Gas $184.78

(d) Boat Costs (above $700 for extra week) $159.96

As expected, no helicopter time was required for work in the Boundary District. Rock geochemistry was severly curtailed during this part of the program but a large number of rock specimens were collected which can be submitted for analysis. A suite of representative rocks has been submitted to Vancouver Petrographics for thin sectioning. Many of the Franklin rocks should be slabbed if a rock saw is readily available.

CAMPS AND AREAS PROSPECTED

(1) ALDER CLAIMS (103B/6W)

(a) Introduction

The Alder Claims were discussed in the July Report. Soil and rock sample results have been received and are plotted on Figures 1 and 2 (in pocket). The main points of the property are: (1) the occurrence of visible gold in a drusy quartz breccia zone hosted by silicified black limestone, (2) several similar quartz zones throughout the claim block, (3) the area is characterized by poor exposure in wide, heavily timbered valleys and (4) the black limestone unit is contained within complexly folded and intruded fault slices. Consequently it would be unwise to quickly dismiss any part of the claims until a comprehensive geological compilation has been completed and supplemented by short, detail soil lines.

(b) Sample Results

Anomalous soils are indicated near 2100E (Figure 2) on the central Alder Gold claim line, with a high of 320 ppb Au. A rock sample of drusy quartz picked up as float south of this area (80757) ran 620 ppb Au. Silicification is widespread and may be related to the hornfels border along what Brown (1968) refers to as the Burnaby Batholith. These samples

should receive detail follow-up by soils and geological mapping.

Channel sampling on the East Huxley silicified zone (refer to Figure II, July Report) ran low but definitely anomalous (100-200 ppb) gold. A rock sample containing sphalerite from the west side of Huxley Island assayed 2800 ppb Au with others nearby running 220 and 840 ppb Au. Figure 3 shows soil lines west of the Huxley East silicified zone. Only along the south end are arsenic values high, Au is uniformly low. This is similar to the response found over the visible gold showing on Alder Island. A rusty, ankeritic, silicified zone along the mouth of Johnson Creek gave 160 ppb Au in a rock chip (80681).

In summary, there are sufficient anomalous results to warrant detail follow-up around the visible gold showing on Alder Island and similar settings on Burnaby and Huxley Islands.

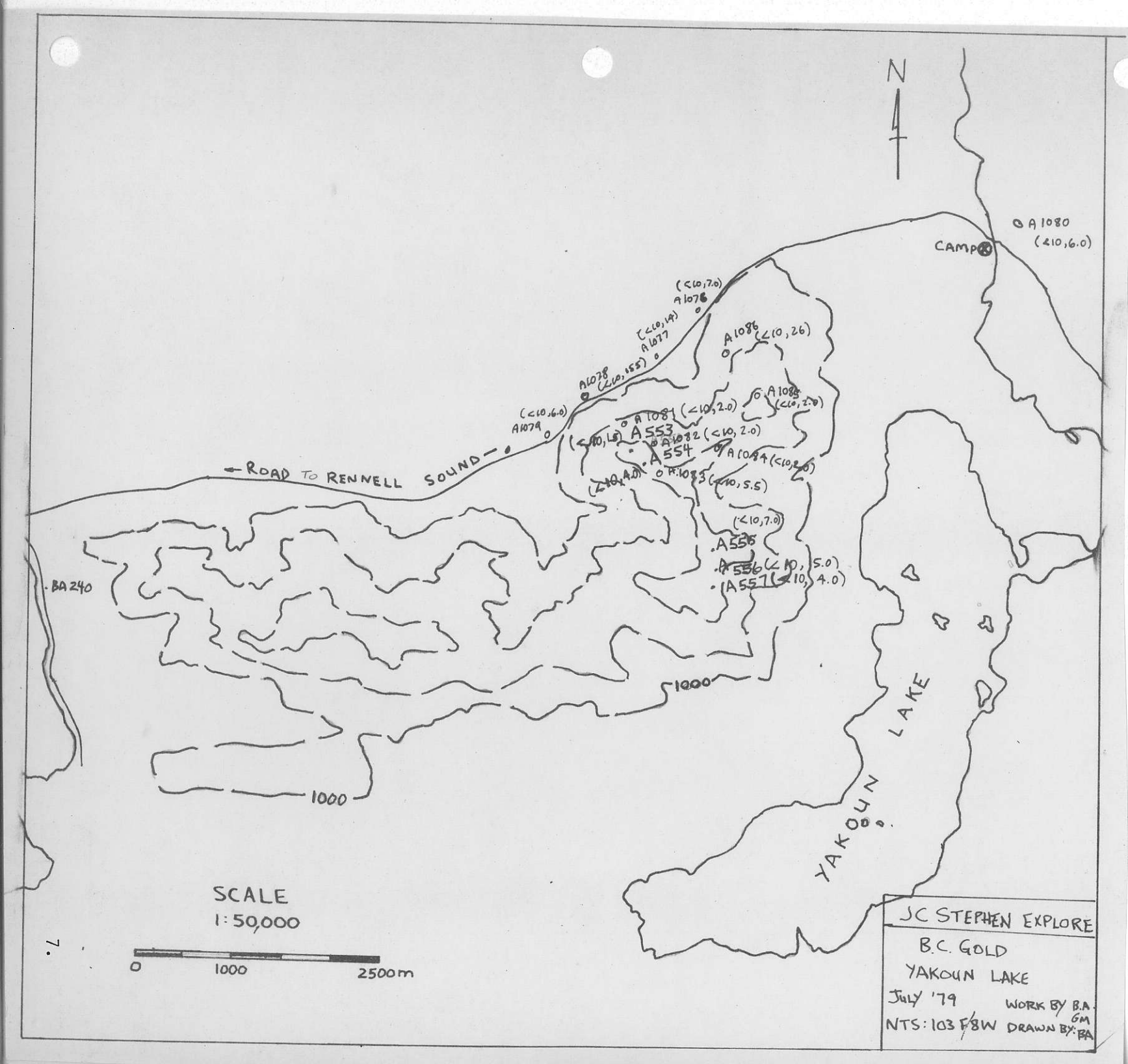
(2) CRESCENT CLAIMS (103B/12,13)

A budget for property work on the Crescent Claims was presented at the Syndicate Meeting on July 26, 1979. A decision by the Committee was deferred until a meeting on September 6 at which the results for the entire season will be presented.

(3) YAKOUN LAKE (103F/8W)

A brief reconnaissance of the heavily staked Yakoun Lake Area was made before pulling out of the Charlottes. The area is dominated by a semi-circular plug of Masset age feldspar prophyry. Most of the presently held claims are west and south of this intrusive. Sample locations and results are plotted on Figure 4 and show very low gold and arsenic.

(-,52,13)
(10,59,27)
(10,55,2.6)
(-,80,15)
(-,22,3.4)
(-,65,60)
(10,72,6.0)
(-,45,11.8)
(-,31,0.4)
(-,26,3.6)
(10,15,0.2)
(10,200,66)
(-,190,3.0)
(-,175,2.8)
(-,>500,29)
(-,28,2.0)
(-,19,1.0)
(-,18,0.1)
(-,18,0.8)
(-,59,4.8)
(-,17,0.8)
(-,21,4.2)
(-,36,2.2)
(10,40,3.6)
(20,48,2.2)
(-,20,4.1)
(-,20,3.0)
(-,19,3.2)
(-,29,4.2)
(-,24,4.0)
(10,200,31)
(65,200,13)
BEACH
HUXLEY EAST SILICIFIED ZONE
Beach
Beach
03"W
00"W
N
SCALE 1:600
0 5 10 15 20 30 45 metres
LEGEND
O Soil geochem. sample
(10, 180, 20) Au ppb, As ppm, Sb ppm
– denotes Au being < 10 p.p.b.
JC. STEPHEN EXPLORATION LTD
B.C. Gold Syndicate
HUXLEY ISLAND "H" GRID
SOIL GEOCHEM SURVEY
DATE: JULY 1979
NTS:
WORK, DRAWN BY: G. Marchak
NOTE: SOUTH "S" = 210° "W" = 300°

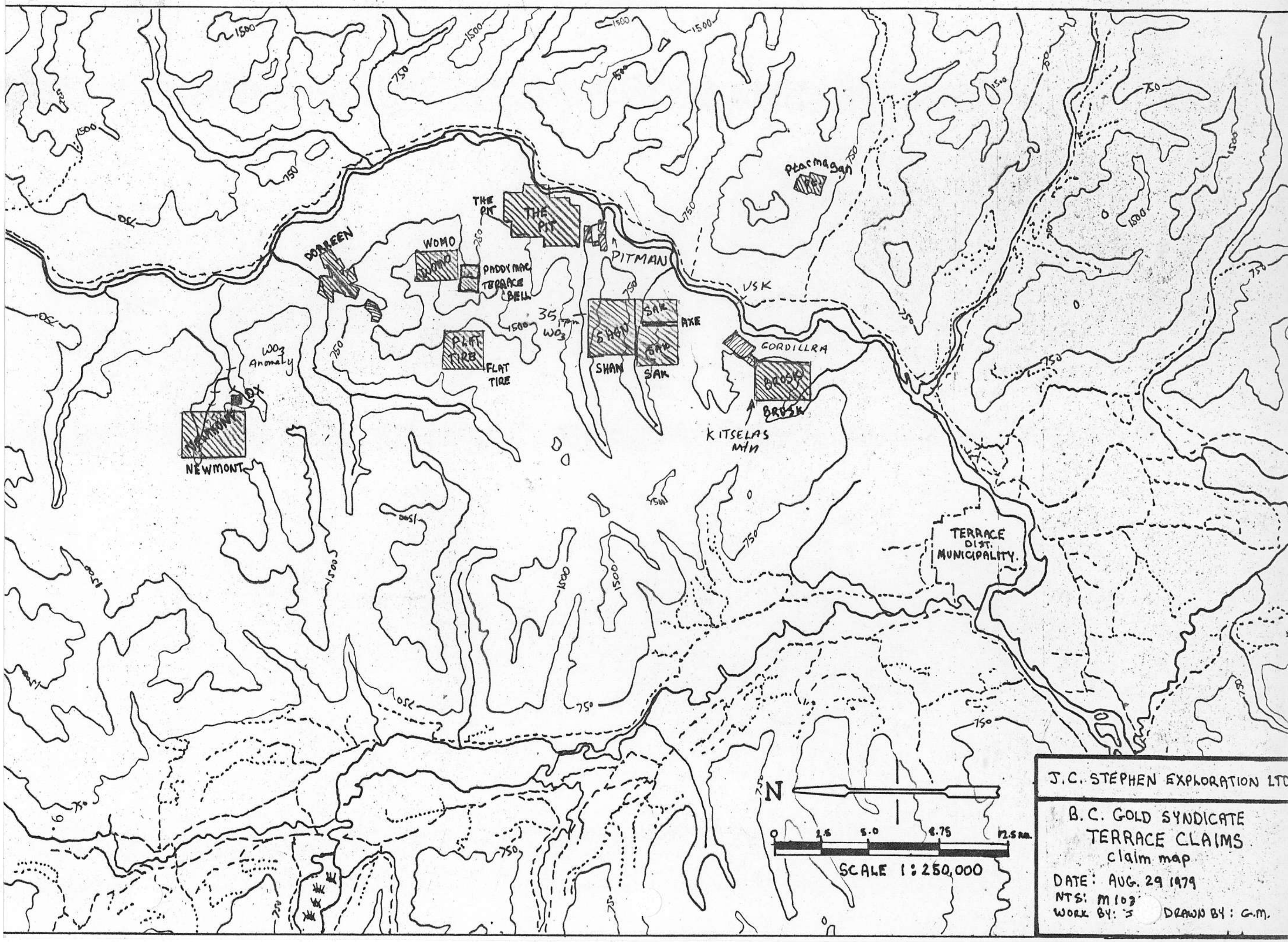

N
CAMP
A 1080 (<10, 6.0)
(<10, 7.0) A 1076
A 1077 (<10, 14)
A 1078 (<10, 155)
A 1079 (<10, 6.0)
A 1086 (<10, 26)
A 1085 (<10, 2.0)
A 1081 (<10, 2.0)
A 553
A 1082 (<10, 2.0)
A 554
A 1084 (<10, 2.0)
A 1083 (<10, 5.5)
(<10, 7.0)
A 555
A 556 (<10, 5.0)
A 557 (<10, 4.0)
← ROAD TO RENNELL SOUND
BA 240
1000
1000
YAKOUN LAKE
YAKOUN
SCALE
1:50,000
0
1000
2500m
JC STEPHEN EXPLORE
B.C. GOLD
YAKOUN LAKE
JULY '79
WORK BY B.A. GM
NTS: 103 F/8W
DRAWN BY: BA

(4) TERRACE AREA (103I/9W, 16W, 10E)

A message from Mr. W. Jensen prompted, on the way down to Grand Forks, a check of the claim situation in the Terrace Area. Several large blocks were staked as a result of the Government stream sediment survey released on June 22. Few locals joined the rush which was dominated by large companies. However, JMT Services working in conjunction with Prism Resources acquired significant ground.

Several small claim groups owned by Mr. Jensen were reviewed but not examined in the field due to adjacent recently staked large blocks. Locations of major holdings are shown on Figure 5. The Pitman 2-claim group is downstream from a 35 ppm WO_3 sample, but this tungsten value is very likely coming from an old showing close by that is covered by Rio Tinto (January 17, 1979). Pitman is also overlapped by claims staked by W. Livingstone in February 10, 1979. A very interesting series of high WO_3 samples occur on Lorne Creek where Jensen holds one claim that he has never visited. However, Newmont acquired a large block on June 22 covering most of the area.

Mr. R. Bates controls several gold showings around Terrace. He is planning to drill his Kalum Lake property(a former small producer) shortly after completing more E.M. Three wide chip samples obtained by Jensen near Kwinitsa were analyzed for Mo, Au and Ag. This was a fresh garnet-biotite gneiss from a railway rock pit along the Skeena River. One specimen contained a large flake of molybdenite. Results were very low in all elements.



J.C. STEPHEN EXPLORATION LTD.

B.C. GOLD SYNDICATE
TERRACE CLAIMS
claim map

DATE: AUG. 29 1979
NTS: M103
WORK BY: J
DRAWN BY: G.M.

(4) WINEGLASS RANCH (CHILCOTIN RIVER)(92O/15E)

A prominent gossan, approximately 1.5 km southeast of the Wineglass Ranch buildings, was examined on August 3. A location map is illustrated by Figure 6. The Wineglass Ranch is owned by J. M. Durrel and is 40 road miles from Williams Lake. Several old claim posts were noted but the ground is presently open. Soil and rock geochem are plotted on Figure 7. All results are very low. A reference to this zone is contained in a 1966 report by J. C. Stephen (Page 13).

Silicification is well developed on the east end in contrast to the chloritized west contact. One interesting observation is the rhyolite "dykes" are lusterous sericite schists and could perhaps be part of an original volcanic package. No follow-up work appears necessary.

(6) FRANKLIN CAMP (82E/9W)

(a) Introduction - Claims Staked

The Franklin Camp veins, which occur in Paleozoic sediments and volcanics, have been the focus of attention for many years. But, the 1964 program by the Heustis interests was the only time the many diverse owners have been brought together. Unfortunately Heustis only did one years work. Several individuals have been associated with the Franklin area for considerable length of time; G. E. McDougall first came to work in the Union Mine in 1936. He is the long time owner of the Maple Leaf property. J. Carson put the Central claims together for Boundary Exploration in 1968 which optioned them to Newmont. Carson has been active around Franklin for 20 years and presently holds four claim groups. In 1979 T. Lisle and R. H. Seraphim have acquired most of the reverted crown grants and have staked all open ground through the Homestake-Union trend. Many

of the locals seem to restake the old showings year after year instead of doing assessment work. Thus most of the ground is perpetually tied up without any new work being done.

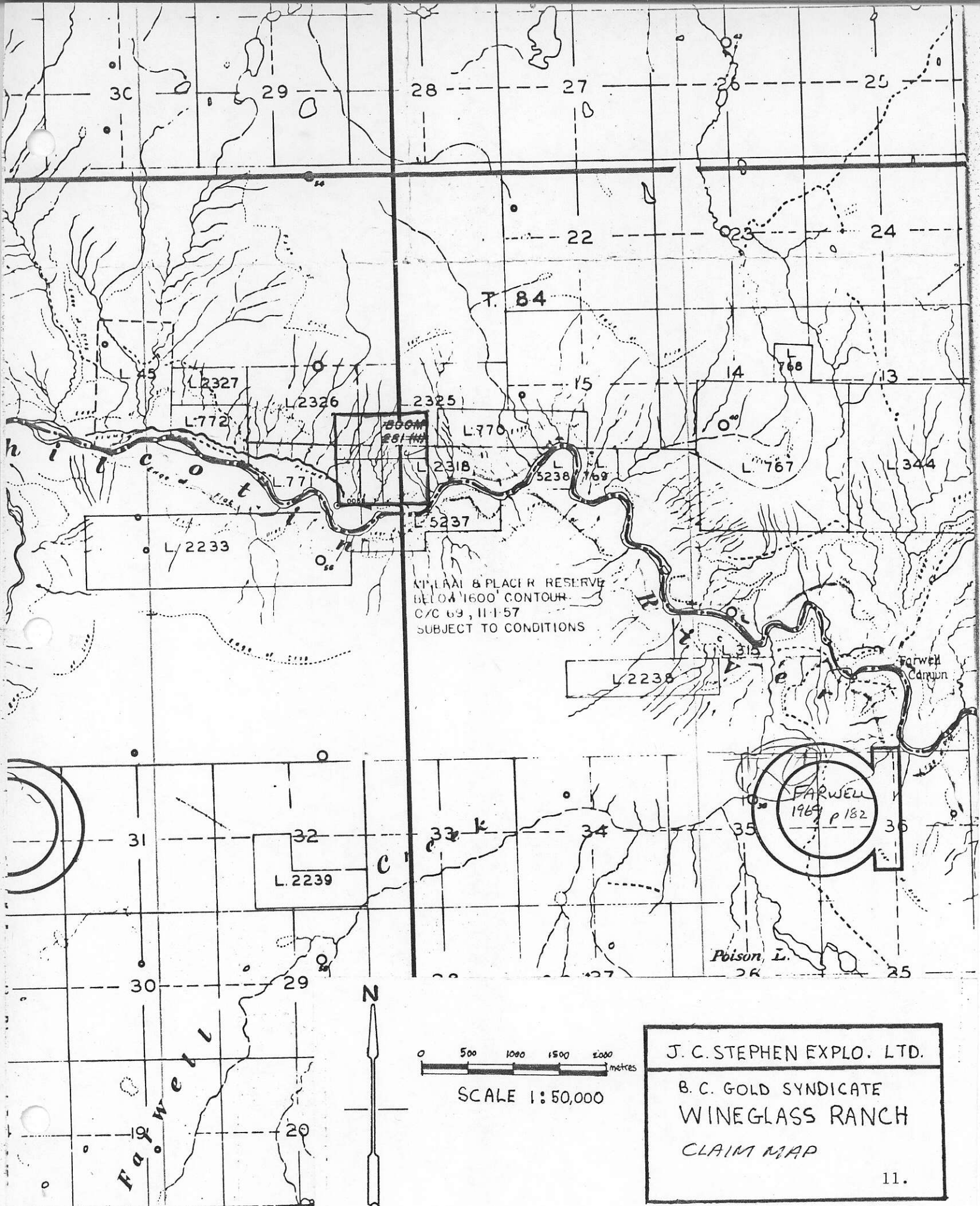
Since about 1975, some attention has been diverted to Kettle River Formation in regard to uranium. This is the case for McDougall's Genie 1-6 group.

A claim map obtained in early August, Figure 8, shows that all reverted crown grants had been picked up. However, after preliminary work near the White Bear shaft and discovery of the drusy quartz breccia, a search of the claim records revealed that the White Bear was actually open. This claim was applied for and nine units in 4 claims were staked around it. Shortly after this McDougall came into camp saying he wanted to extend his Genie Group past the White Bear.

Claim staking in the Franklin Camp is surprisingly of very low caliber. Contrary to the claim map there is little overlap on the Tenderloin Group from previously staked claims. This was checked by chaining all posts prior to staking.

(b) White Bear (Tenderloin Group) GEOLOGY

Geological mapping and limited soil sampling was conducted on the White Bear claims. A road put in along the old trail in 1964 extends past the White Bear claim and can be driven to the Gloucester Creek ford. The general geology is shown on Figure 9 (in pocket). The area is underlain by Paleozoic greenstone which is unconformably overlain by Eocene Kettle River Formation coarse clastics. A Cretaceous granodiorite outcrops on Tenderloin 3 and intrudes the greenstone. Later intrusives include monzonite and augite syenite described by Drysdale (1915) as related to a volcanic vent rootzone (refer to Exploration Proposal - J. Shearer, August 30, 1978 for details, Pg. 16). The upper portions of Tenderloin



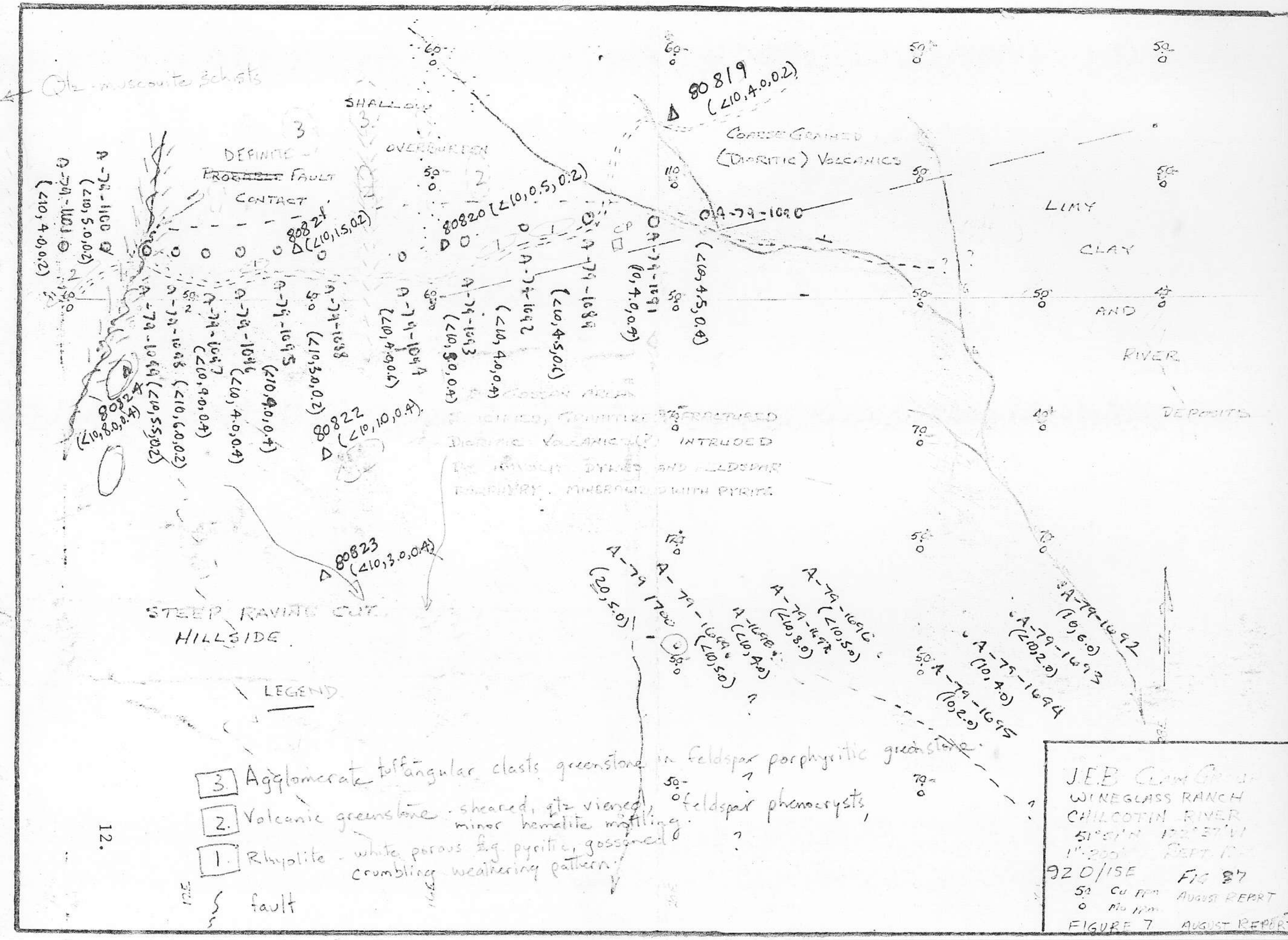
J. C. STEPHEN EXPLO. LTD.

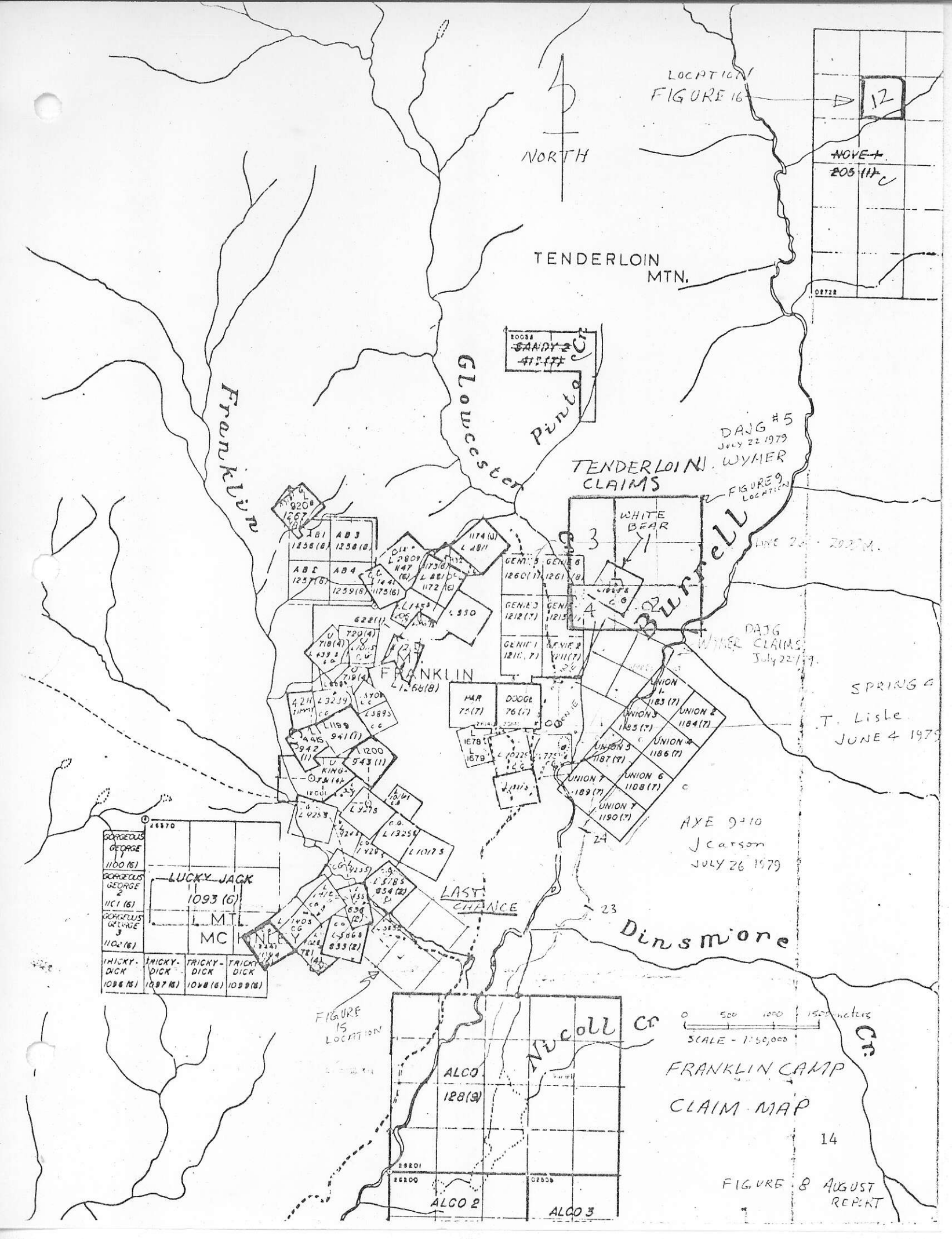
B. C. GOLD SYNDICATE

WINEGLASS RANCH

CLAIM MAP

11.


Qtz-muscovite schists
SHALLOW
OVERBURDEN
DEFINITE
FAULT
CONTACT
80819
(<10,4.0,0.2)
COARSE GRAINED
(DIORITIC) VOLCANICS
LIMY
CLAY
AND
RIVER
DEPOSITS
80820 (<10,0.5,0.2)
80821 (<10,1.5,0.2)
80822 (<10,1.0,0.4)
80823 (<10,3.0,0.4)
80824 (<10,8.0,0.4)
A-79-1090
A-79-1100 (<10,5.0,0.2)
A-79-1101 (<10,4.0,0.2)
STEEP RAVINE CUT
HILLSIDE
A-79-1692 (10,6.0)
A-79-1693 (<10,2.0)
A-79-1694 (10,4.0)
A-79-1695 (10,2.0)
A-79-1696 (<10,5.0)
A-79-1700 (20,5.0)
LEGEND
3. Agglomerate tuff angular clasts greenstone in feldspar porphyritic greenstone
2. Volcanic greenstone - sheared, qtz viened, feldspar phenocrysts, minor hematite mottling
1. Rhyolite - white porous f.g. pyritic, gossaned crumbling weathering pattern
fault
J.E.B. CLAIM GROUP
WINEGLASS RANCH
CHILCOTIN RIVER
920/15E
50 Cu PPM
Mo PPM
FIG 87
AUGUST REPORT
FIGURE 7


LOCATION FIGURE 16
12
NORTH
TENDERLOIN MTN.
Franklin
Gloucester
Pinto Cr
DAJG #5 JULY 22 1979
TENDERLOIN WYMER CLAIMS
FIGURE 9 LOCATION
WHITE BEAR
Burrell
DAJG CLAIMS July 22/79
SPRING 4
T. Lisle JUNE 4 1979
AXE 9+10
J carson
JULY 26 1979
FRANKLIN
LUCKY JACK 1093 (6)
MC KINLEY
LAST CHANCE
Dinsmore
Nicoll Cr
ALCO 128(9)
ALCO 2
ALCO 3
FIGURE 15 LOCATION
SCALE - 1:50,000
FRANKLIN CAMP CLAIM MAP
14
FIGURE 8 AUGUST REPORT

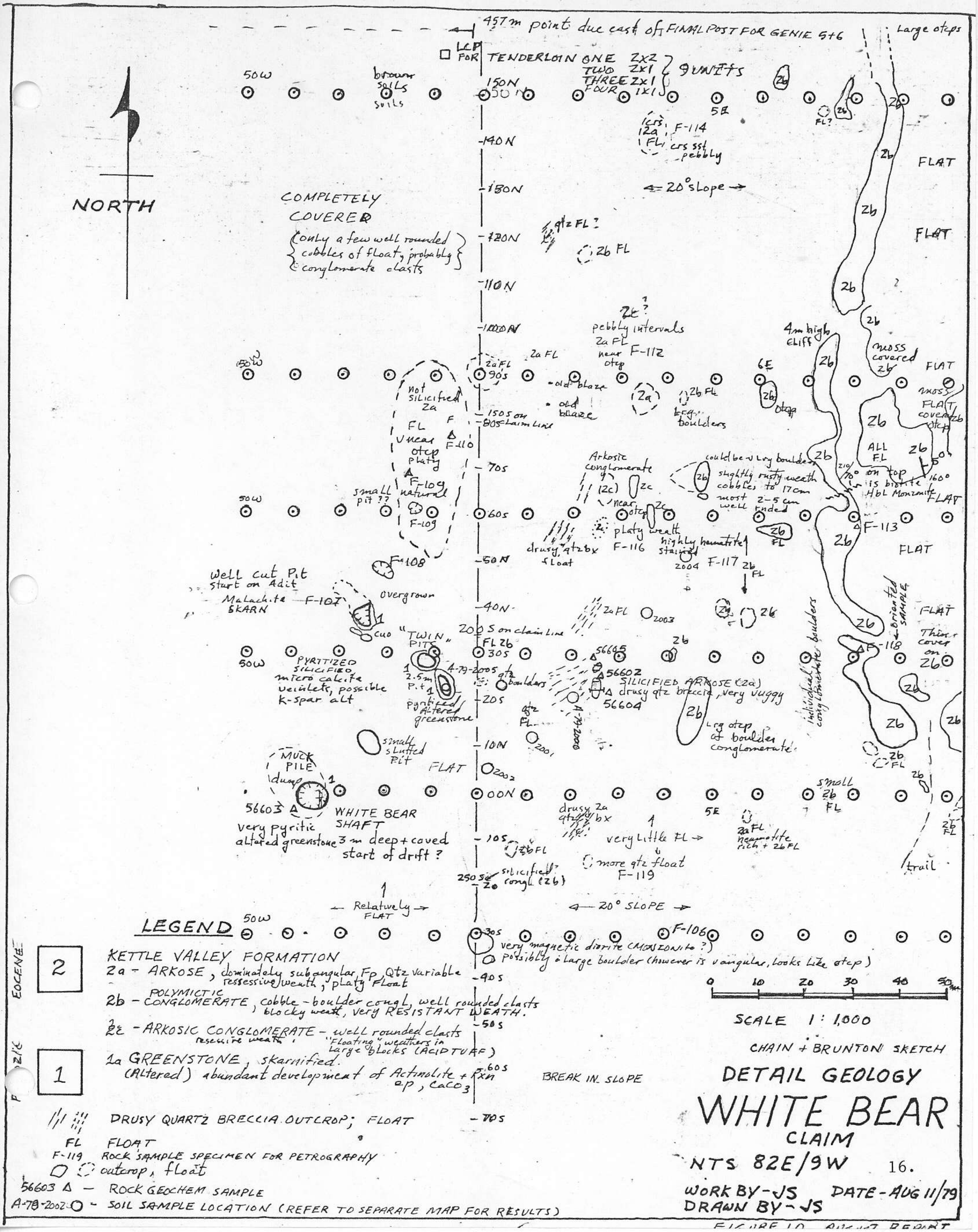
Mountain are capped by trachyte and basaltic tuff.

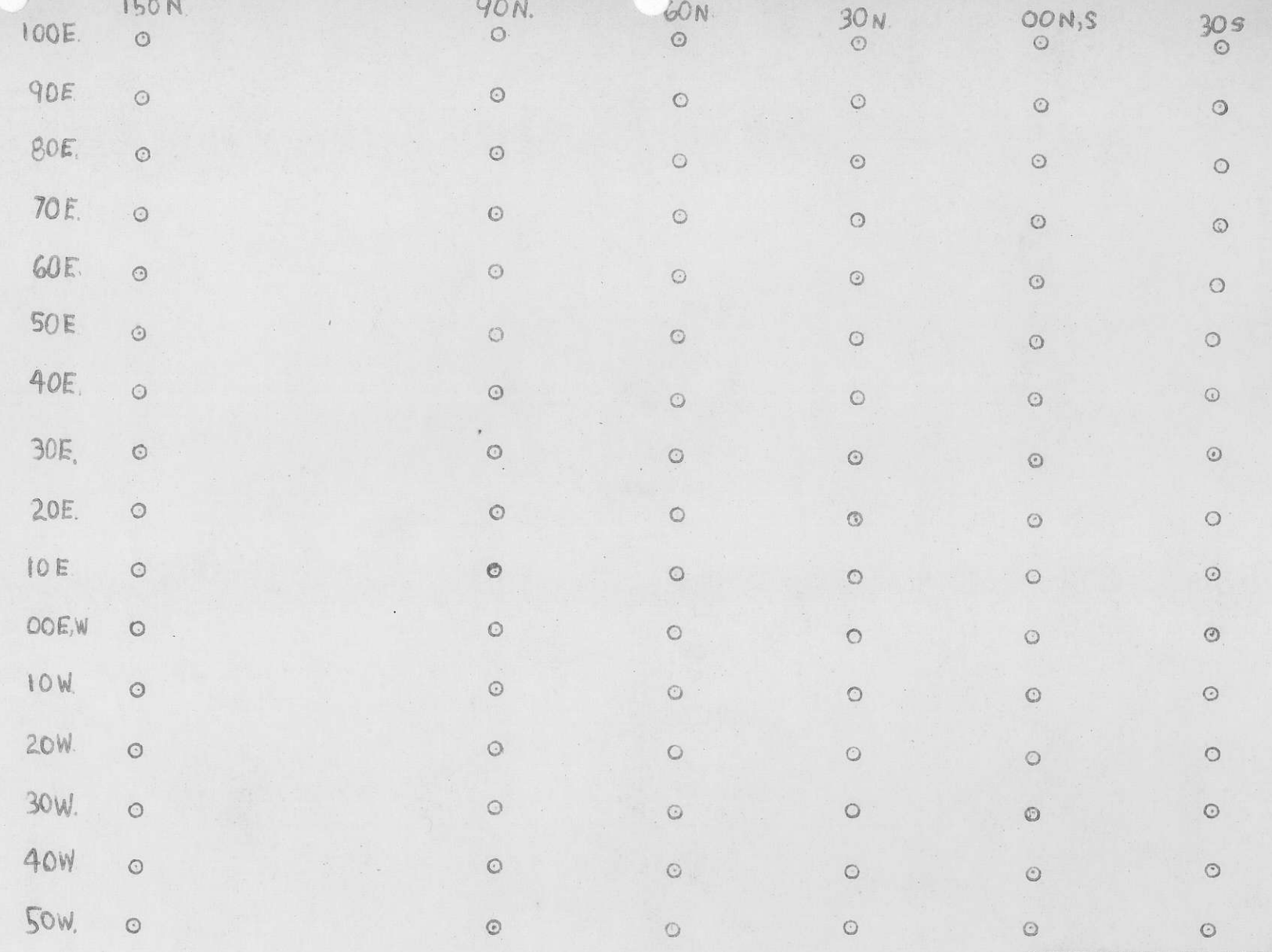
Detail geology is shown on Figure 10. An approximately 30 - 40 m thick section of arkose and pebbly arkose rests on greenstone. This arkose is very poorly exposed in sharp contrast to the thick, overlying resistant cliff forming boulder conglomerate. The only results received (over the phone) are for a rock sample from the drusy quartz breccia which ran 130 ppb Au, located at 30N 25E. Locations of soil samples and float found around the drusy breccia zone are illustrated on Figures 11 and 11a. In the vicinity of 200N 800E on Tenderloin 1 a fluorite bearing pebbly acid tuff was found. One soil sample in this area was slightly anomalous (B700E - 60 ppb Au) and deserves more follow-up work. Soil locations in this area are shown on Figure 12 and 14.

In summary, a poorly exposed silicified, drusy quartz breccia has been discovered on the White Bear reverted crown grant. Although this zone is immediately east of the old White Bear shaft there is no evidence of old workings on the silicified zone. At the very least there should be some hand trenching at several spots along the strike of the zone to test this new showing. Pending soil results may indicate additional work elsewhere. Approximately $4,300 is available for assessment credit.

(c) Franklin Camp General

Prospecting, rock specimen collection and soil sampling were completed throughout the entire Franklin Camp. The general geology has been summarized in the Exploration Proposal (J. Shearer, August 1978) and treated in detail by Drysdale (1915). Drysdale's geology map 1:2400 was included in the Exploration Proposal.


457 m point due east of FINAL POST FOR GENIE 5+6
LCP FOR TENDERLOIN ONE 2x2 TWO 2x1 THREE 2x1 FOUR 1x1 9 UNITS
NORTH
COMPLETELY COVERED
(only a few well rounded cobbles of float, probably conglomerate clasts)
brown soils
pebbly intervals
4 m high cliff
moss covered
FLAT
4-20° slope
Arkosic conglomerate
slightly rusty weath cobbles to 17 cm most 2-5 cm well rnded
highly hematite stained
drusy qtz bx float
biotite Hbl Monzonite
Well cut Pit start on Adit
Malachite SKARN
overgrown
"TWIN" PITS
PYRITIZED SILICIFIED micro calcite veinlets, possible K-spar alt
Pyritized Altered greenstone
SILICIFIED ARKOSE (2a) drusy qtz breccia, very vuggy
Lrg otcp of boulder conglomerate
individual conglomerate boulders
oriented sample
small slutted pit
MUCK PILE (dump)
WHITE BEAR SHAFT 3 m deep + caved start of drift?
very pyritic altered greenstone
very little FL
more qtz float F-119
silicified congl (2b)
Relatively FLAT
20° SLOPE
very magnetic diorite (MONZONITE?) possibly a large boulder (however is angular, looks like otcp)
LEGEND
2 KETTLE VALLEY FORMATION
2a - ARKOSE, dominately subangular, Fp, Qtz variable ressessive weath, platy float
2b - POLYMICTIC CONGLOMERATE, cobble-boulder congl, well rounded clasts blocky weath, very RESISTANT WEATH.
2c - ARKOSIC CONGLOMERATE - well rounded clasts ressesive weath. "Floating" weathers in large blocks (ACID TUFF)
EOCENE
1 1a GREENSTONE, skarnified. (Altered) abundant development of Actinolite + Pxn ep, $CaCO_3$
BREAK IN SLOPE
DRUSY QUARTZ BRECCIA OUTCROP; FLOAT
FL FLOAT
F-119 ROCK SAMPLE SPECIMEN FOR PETROGRAPHY
outcrop, float
56603 Δ - ROCK GEOCHEM SAMPLE
A-78-2002 ○ - SOIL SAMPLE LOCATION (REFER TO SEPARATE MAP FOR RESULTS)
SCALE 1:1,000
0 10 20 30 40 50m
CHAIN + BRUNTON SKETCH
DETAIL GEOLOGY
WHITE BEAR CLAIM
NTS 82E/9W
16.
WORK BY - JS DATE - AUG 11/79
DRAWN BY - JS



SCALE 1:1000

0 10 20 30 50 METRES

J.C. STEPHEN EXPLO. LTD.

B.C. GOLD SYNDICATE

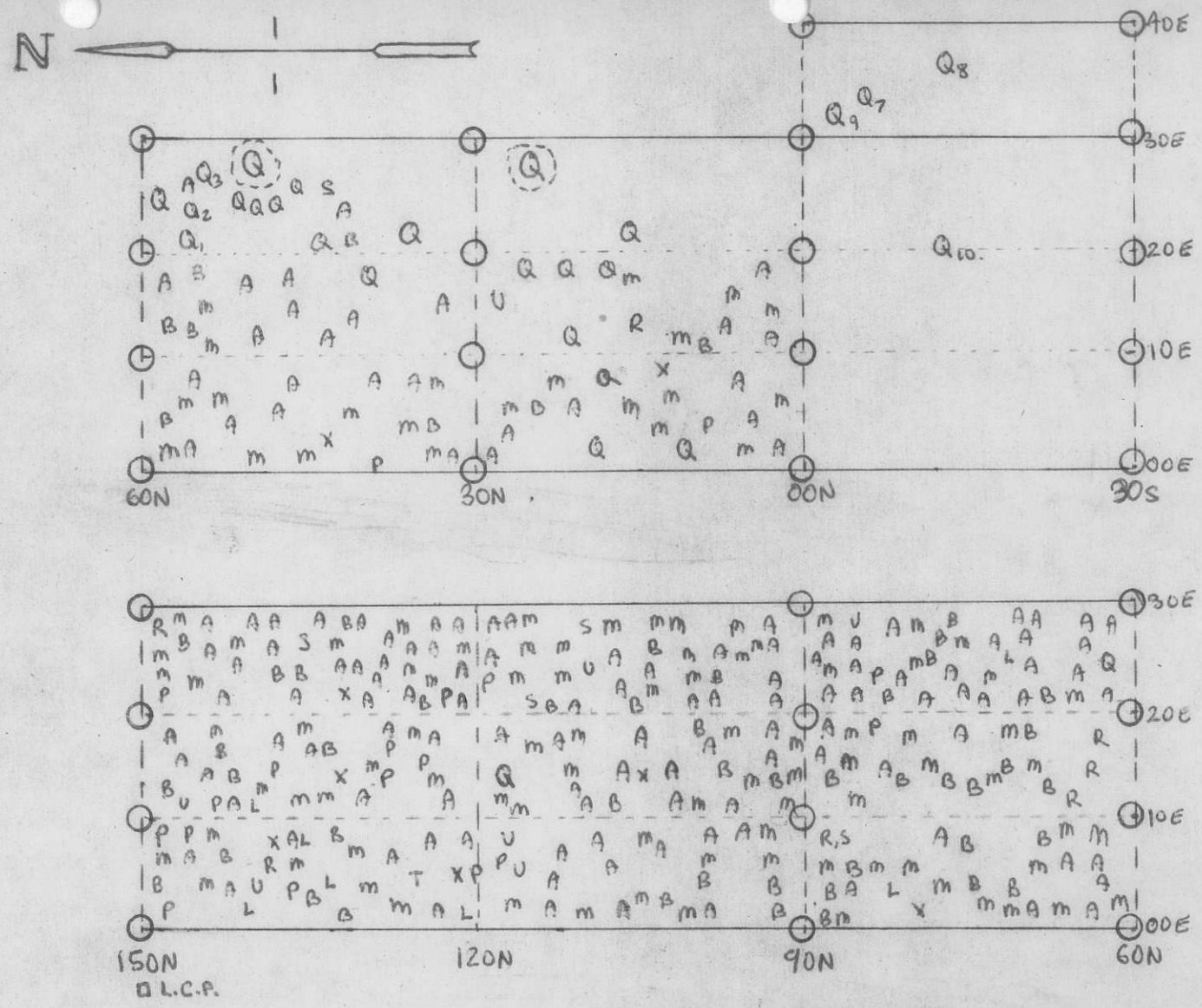
WHITE BEAR CLAIMS - "W" GRID

SOIL GEOCHEM.

DATE: JULY 1979 WORK BY: G. MARCHAK

NTS: 82E/9W DRAWN BY G. MARCHAK

FIGURE 1 AUGUST REPORT



LEGEND

○ SOIL SAMPLE

A B L M P Q R S

⊙ OUTCROP

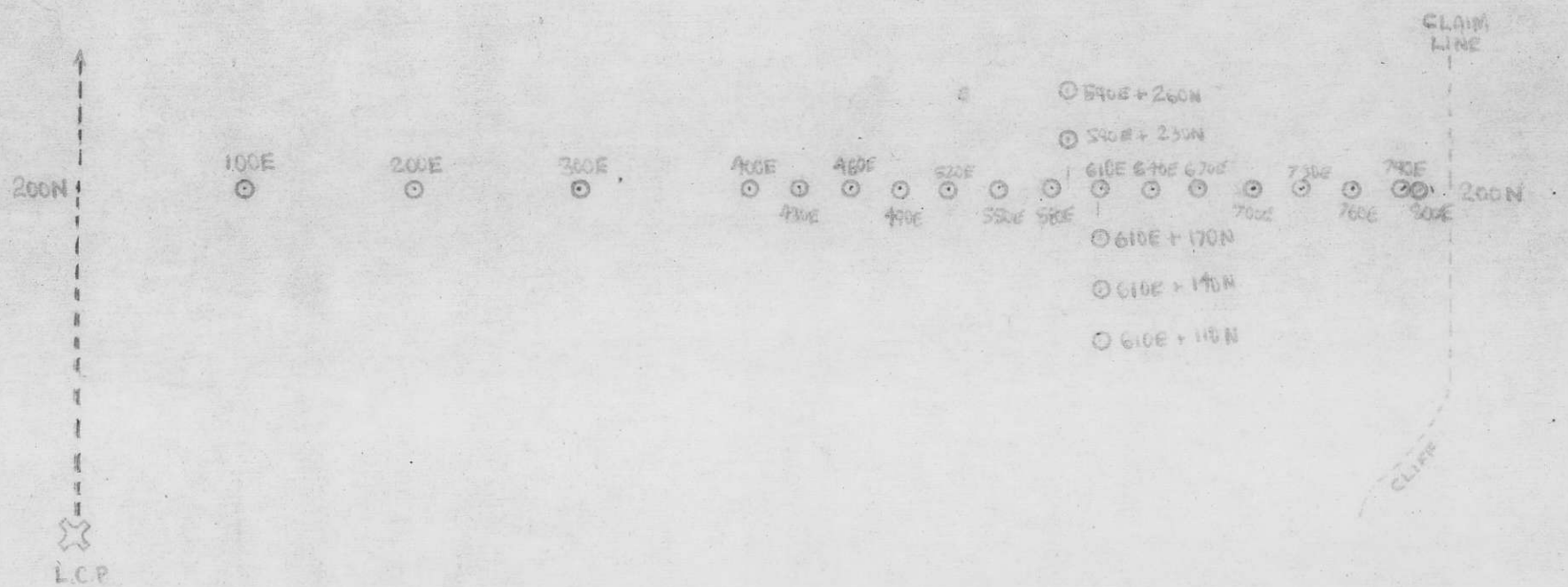
T U X

0 10 20 30 METRES

SCALE 1:600

J.C. STEPHEN EXPL. LTD.
B.C. GOLD SYNDICATE WHITE BEAR AREA
SOIL GEOCHEM. AND FLOAT SURVEY
DATE: AUG. 1979
NTS: 82E/9W
DRAWN BY: GEORDON MARCHAK
WORK BY: GEORDON MARCHAK.

FIGURE 11a AUGUST REPORT



SCALE 1:4000

0 40 80 120 180 240 METRES

B SOILS

J.C. STEPHEN EXPLORATIONS LTD.

B.C. GOLD SYNDICATE
TENDERLOIN CLAIMS
SOIL GEOCHEM

DATE: JULY 19, 1979 WORK, DRAWING
NTS: 82E/9W G. MARCHAK.

FIGURE 12

Soil sampling locations are plotted on Figures 13, 15 and 16. Figure 15 is an enlargement of J. Carson's Chance claims where he reports anomalous soils over Kettle River Formation. He also noted minor galena in Kettle River sandstone. The Nove area (Figure 16) is a silicified contact area between Coryell and Valhalla intrusives occurring near 33 km on the east side of Burrell Creek road.

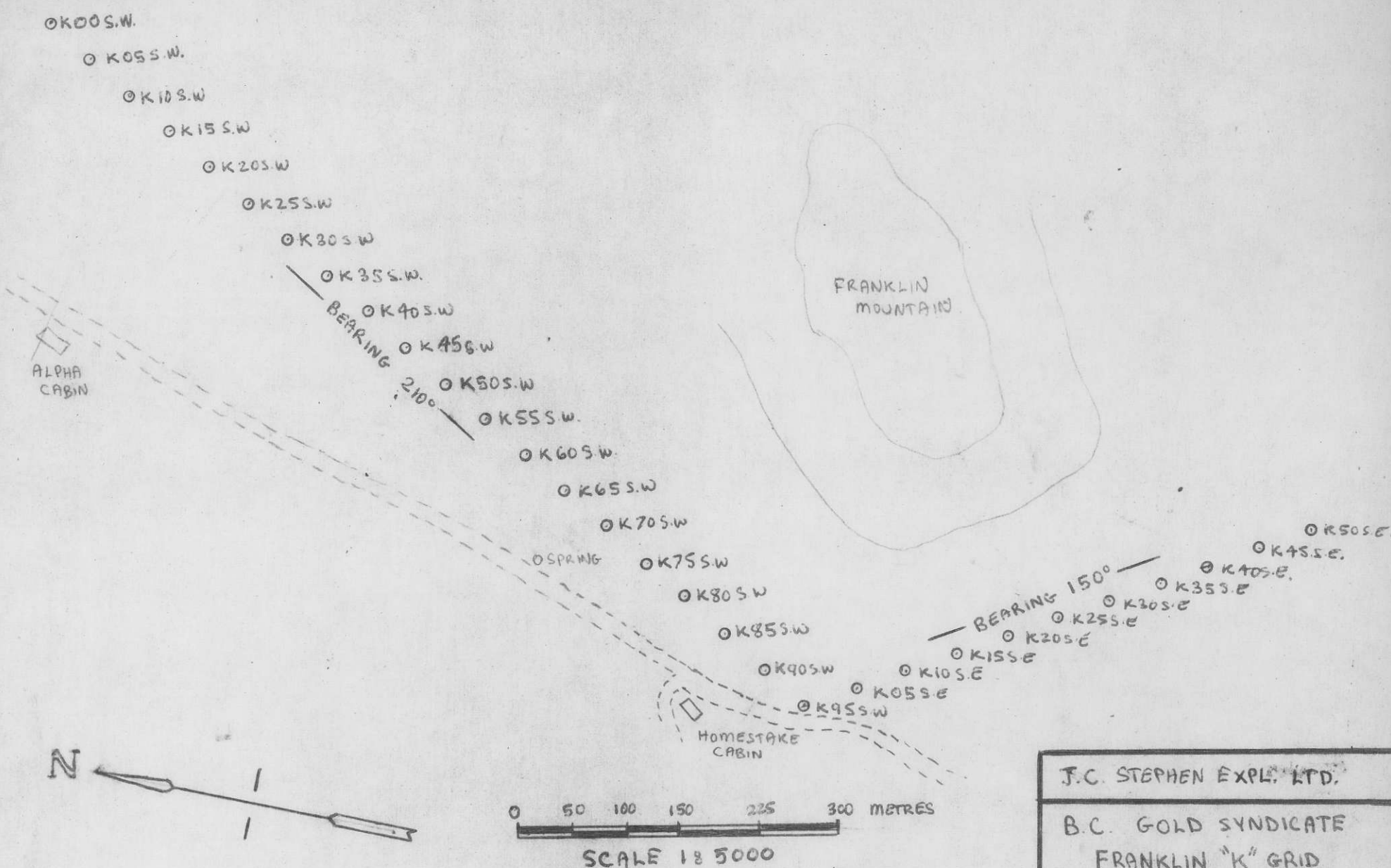
The Midway breccia unit shown on Figure 17 will be examined in at the end of August. This unnamed unit probably correlates with the basal rubble zone in the Klondyke Mountain Formation at Republic, Washington, which hosted the blanket gold deposit mined during the 1930's.

(7) GOLDEN EAGLE (82E/1W)

(a) Introduction

The Golden Eagle Group consist mainly of crown grants with some reverted crown grants and located claims on the fringes. The area is dominated by a spectacular gossan zone on Mammon Fraction that can be seen for miles coming up the North Fork Road. Development began by Volcanic Brown around 1899 and a few hundred tons have been shipped through the years. The present owner Mr. J. Stoochnow is mainly interested in the large transported gossan that forms part of the road bank which he markets for fertilizer under the name Sumagro.

The claims are located 17 km north of Grand Forks near the end of the paved road along the North Fork (Granby River) as illustrated in Figure 18. Names and Lot numbers of the crown grants are listed in Table II.



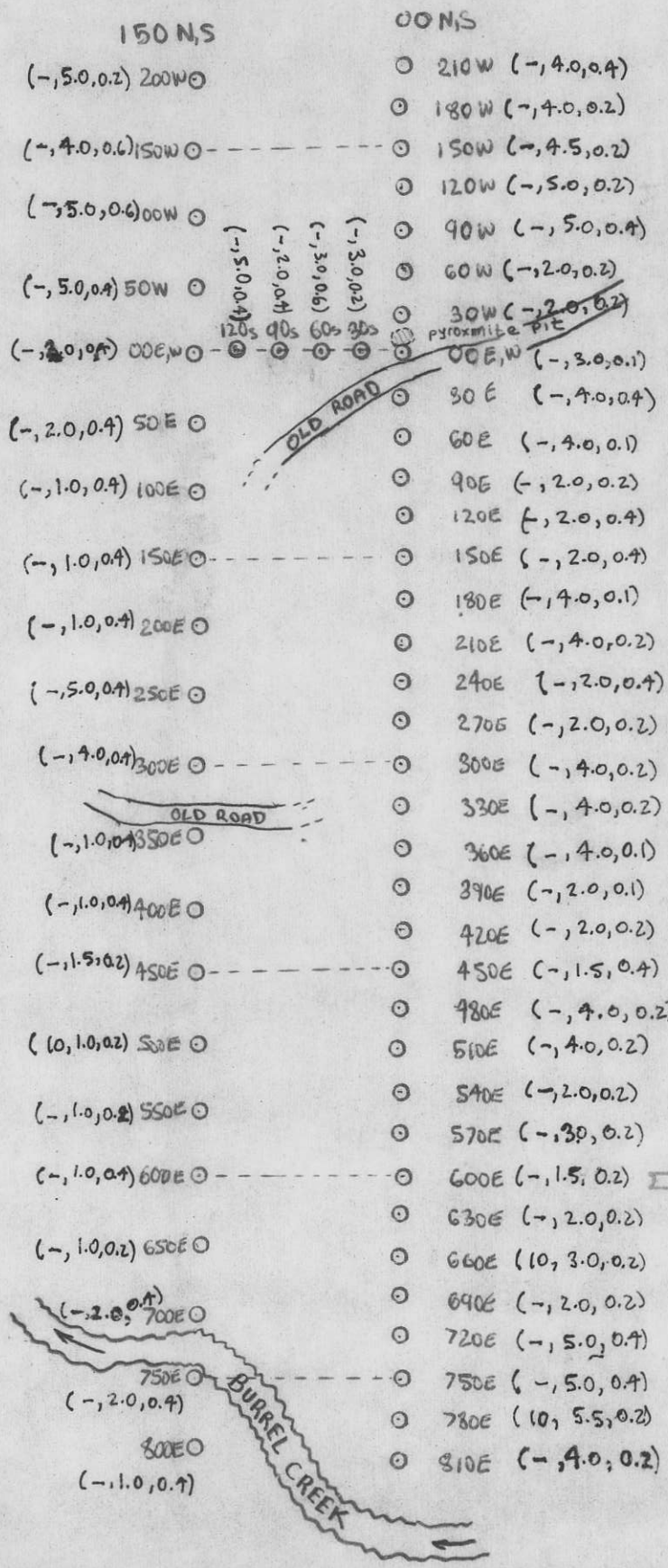
J.C. STEPHEN EXPL. LTD.

B.C. GOLD SYNDICATE

FRANKLIN "K" GRID
SOIL GEOCHEMISTRY

DATE: AUG. 18, 1979
NTS: 82E / 9W
DRAWN BY: G. MARCHAK
WORK BY: G. MARCHAK

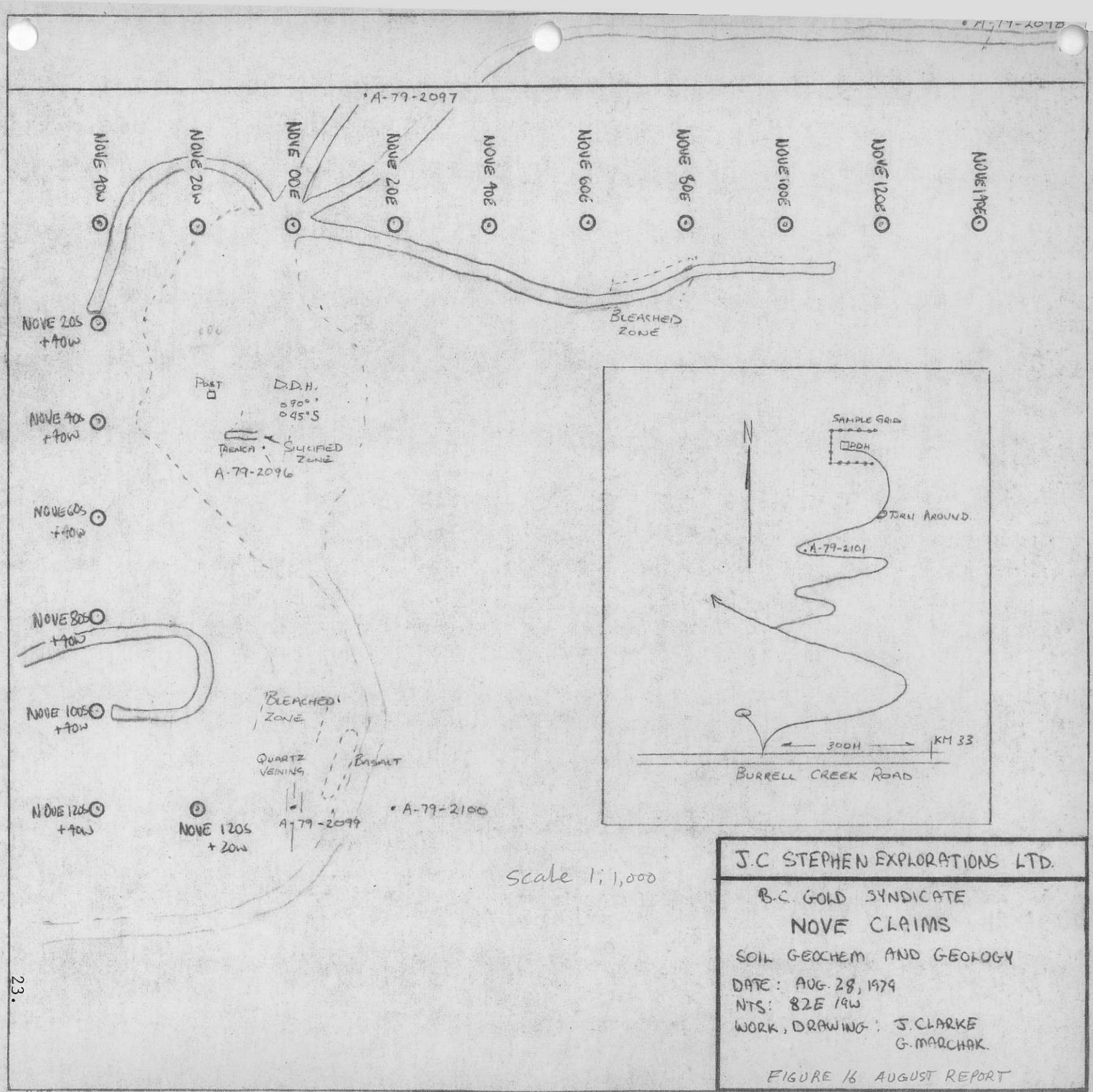
FIG 13



J.C. STEPHEN EXPLO. LTD.

B.C. GOLD SYNDICATE
WHITE BEAR CLAIMS - "E" GRID
SOIL GEOCHEM.
DATE: JULY 1979 WORKBY: G. MARCHAK
NTS: 82E/9W DRAWN BY: G. MARCHAK

FIGURE 14 AUGUST REPORT



Scale 1:1,000

J.C STEPHEN EXPLORATIONS LTD.

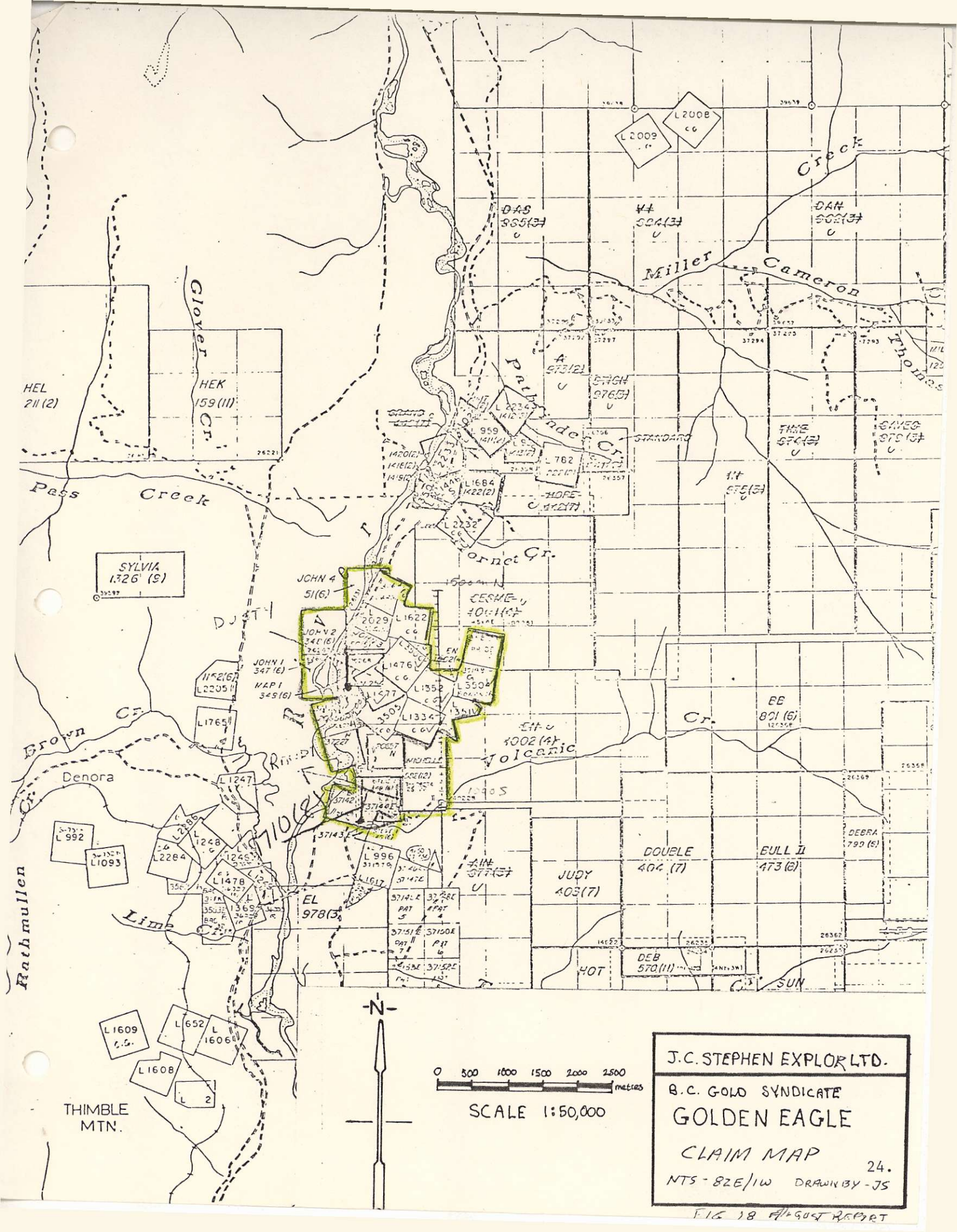
B.C. GOLD SYNDICATE

NOVE CLAIMS

SOIL GEOCHEM AND GEOLOGY

DATE: AUG. 28, 1979
NTS: 82E 1W
WORK, DRAWING: J. CLARKE
G. MARCHAK.

FIGURE 16 AUGUST REPORT



J.C. STEPHEN EXPLOR LTD.

B.C. GOLD SYNDICATE

GOLDEN EAGLE

CLAIM MAP

24.

NTS - 82E/1W DRAWN BY - JS

FIG 18 AUGUST REPORT

TABLE II

GOLDEN EAGLE GROUP

CLAIM NAME	LOT NUMBER	FOLIO NO.	SIZE (Hectares)	OWNER
Golden Eagle	L-1334	026859	18.30	FJN Explorations
Laskay	L-1351	"	11.28	"
Junction City	L-1352	"	16.04	"
Volcano	L-1476	"	20.9	"
Mammon Fr.	L-3505	29254	13.18	"
Dabney Fr.	L-3506	027227	2.43	G. A. Evans under option to FJN Explorations
Superior	L-1622	"	19.13	

LOCATED CLAIMS

John 1 to 4	51(6) 347(6)	June
Dusty		August 79
Randy	1710(8)	August 79
Michelle	582(2)	

11	flow breccia and massive greenstone 11a): interbedded
9	grey (dark and light) bedded limestone w/ chert. minor massive grey limestone and limestone breccia.
7	Sharpstone conglomerate w/ abondent chert fragments. minor graded-bedded green siltstone, and lmstone. some skarn.
6	KNOB HILL FORMATION: massive chert and greenstone. minor limestone with thin chert interbeds. 6a: mainly chert. 6b: mainly greenstone

N

SCALE 1:50,000

0 500 1000 1500 2000 2500 metres

J.C. STEPHEN EXPLORL TD.

B.C. GOLD SYNDICATE

GOLDEN EAGLE

GEOLOGY

(b) Geology

The geology of Golden Eagle is basicly similar to the Phoenix area and includes sharpstone conglomerate, limestone and skarn, basic volcanics and ribbon chert. A general geological map is shown on Figure 19 from Preto (1971) who studied the area mainly to the east which appears to be an isolated part of the Shuswap Complex.

Detail geological mapping was undertaken on a 1" = 300 (1:3600) base map obtained from Mr. Stoochnow. Results are plotted on Figure 20 (in pocket). One startling fact is that several of the main old showings are actually east of the Laskay claim. Mr. Stoochnow was advised to stake this zone as it has just become open ground. Several zones of silicification were noted in both sharpstone conglomerate and marble. There does not appear to be an obvious connection between the massive pyrite-pyrrhotite zone (gossan) and the Golden Eagle vein system. Several types of sulphide mineralization are present ranging from narrow quartz stringers to fairly massive skarn pods.

(c) Sample Locations

Figure 21 (in pocket) shows the locations of soil samples taken on the Golden Eagle grid. A baseline was cut 1500 m north and 1000 m south from the Golden Eagle shaft. Soil lines were run every 200 m with 100 m lines over Laskay. Rock samples and rock specimens are plotted on Figure 20. About $4,000 was spent on this property work.

(8) LIGHTNING PEAK AREA (82E/15E, 16W)

(a) Introduction

The Lightning Peak Camp was briefly examined on August 22 and 23. High grade float occurrences were followed up by prospecting and soil sampling. Unfortunately much of the most favourable ground in presently held in good standing as shown on Figure 22. A list of claim owners is contained in Table III.

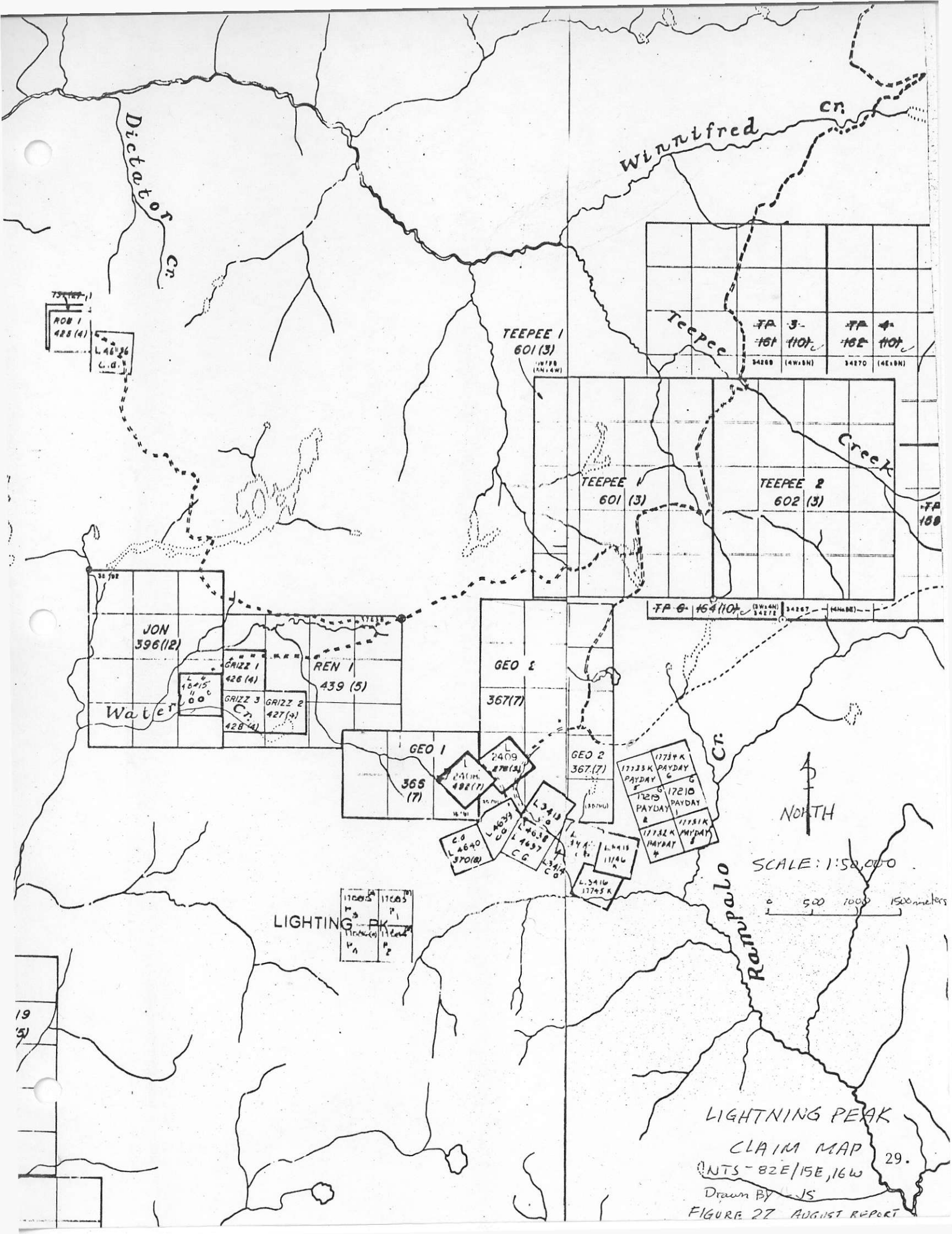
TABLE III

CLAIM NAME	NUMBER	OWNER	DATE DUE
Jon	396(12)	Peter Goodman	5/12/79
Reni 1	439(5)	Kelvin Energy Ltd.	24/05/80
Grizz 1-3	426(4)	Bill Botel	18/4/84
P-1	17583	Joe Thompson	1/03/80
Geo 1	366(7)	Amore Minerals	18/7/80
Pay Day 1-6	17734k	Ken Daughtry	restaked August 14/79
Teepee 1-6	601(3)	Noranda	22/3/80

The road up Banting Creek is in excellent shape. "Post Office Junction" is approximately 13.5 miles from the Highway turnoff. Banting Creek road is now marked as the Cortiana Road for logging. A large camp, perhaps a snowmobile club, has been built at 9 mile on the way to Lightning Peak.

(b) Geology and Sampling

The general geology of Lightning Peak has been discussed in the Exploration Proposal and in detail by J. C. Stephen (1967) and Cairnes (1930). Essentially the area is a complexly intruded to migmatized zone underlain by Paleozoic metavolcanics, argillite and limestone cut by Valhalla


Dictator Cr.
Winnifred Cr.
Teepee Creek
TEEPEE 1
601 (3)
TEEPEE 1
601 (3)
TEEPEE 2
602 (3)
JON
396(12)
GRIZZ 1
426 (4)
GRIZZ 3
428 (4)
GRIZZ 2
427 (4)
REN 1
439 (5)
GEO 1
368
(7)
GEO 2
367(7)
GEO 2
367(7)
Water
Cr.
Rampalo Cr.
LIGHTING PK
NORTH
SCALE: 1:50,000
0 500 1000 1500 meters
LIGHTNING PEAK
CLAIM MAP
NTS - 82E/15E, 16W
Drawn By - JS
FIGURE 27 AUGUST REPORT

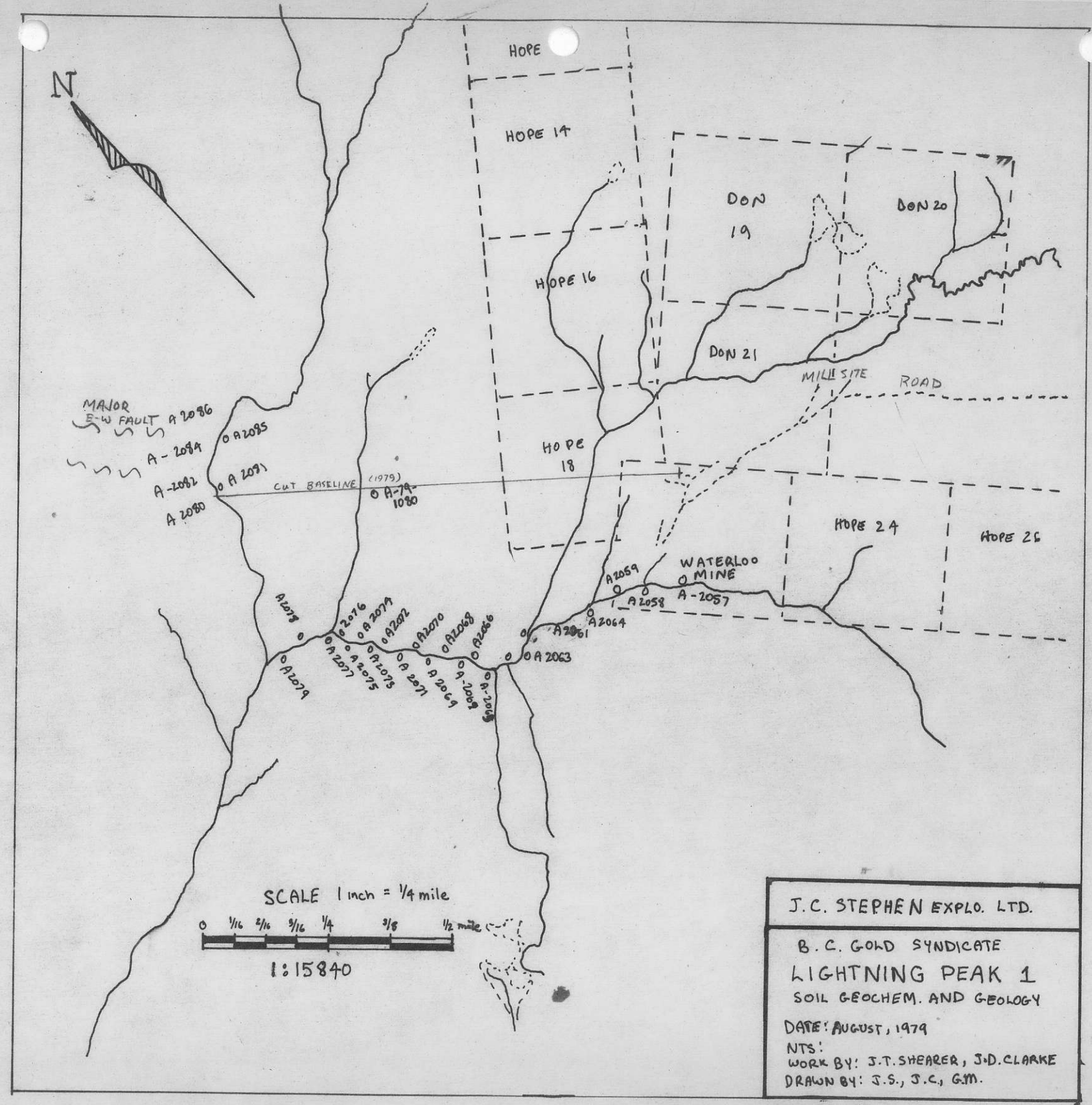


FIGURE 23 AUGUST REPORT

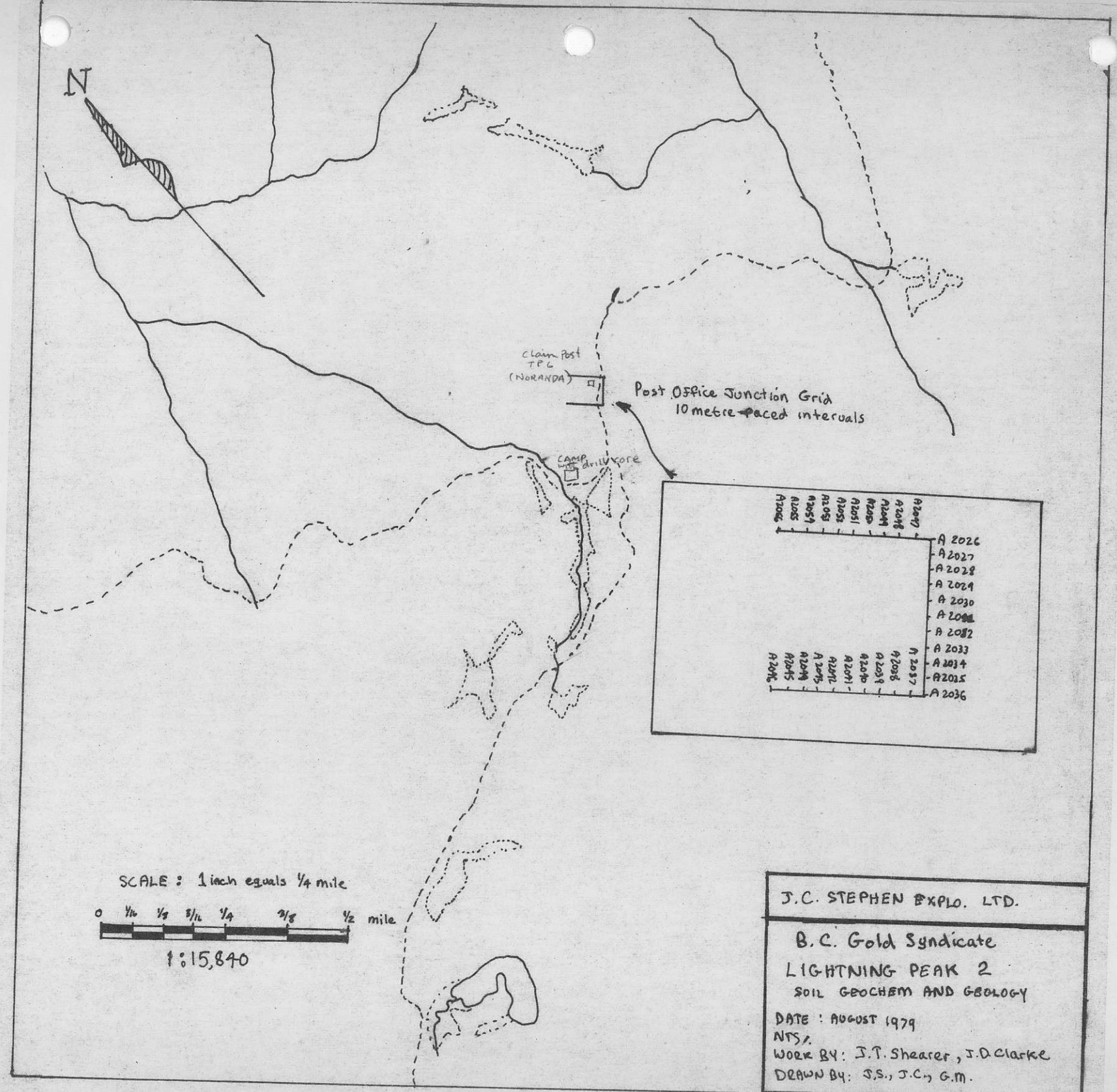


FIGURE 24 AUGUST REPORT

porphyritic granite and Nelson grey granodiorite.

High grade float along Waterloo Creek was followed up by soil sample as shown on Figure 23. In 1979 a well cut base line with lines every 150 m was established from the Waterloo Mine site to Upper Rendell Creek. Although soil samples appear to have been taken over this grid, it is possible that the small holes could have been I.P. electrodes. Most likely E.M. would have been run also.

Follow-up sampling around a 0.3 oz/ton Au pyrite lense on the Pay Day road is shown on Figure 24. No evidence of greenstone remains in the road bank which in places reaches 3 m in height. This area is now within the TP claims of Noranda. A 1977 camp at Post Office Junction has about 900 feet of BQ core scattered around. About one km east Noranda have constructed several km of drill roads with at least 6 drill sites. None are numbered.

Winnifred Creek is the site of active logging, so the Quartz-ankerite zone could not be examined. A well developed bull quartz zone along the Kettle River Road was sampled.

All the old showings except the Lightning Peak Group were visited and sampled. Apparently from the number of grid lines and different owners since 1967 there should be considerable assessment information on file that would be worth compiling. There is a possibility that the concepts of bulk silver deposits as exemplified by the Delamar Mine in Idaho could be applied to the Lightning Peak Camp.

CONCLUSIONS AND RECOMMENDATIONS

Anomalous soil and rock samples on the Alder Claims indicate detail follow-up work is warranted. A budget such as suggested at the July Syndicate Meeting appears appropriate. The property needs an overall geological base map, local detail soil lines and trench on the visible gold showing. Any time before the 1980 summer field season would be feasible for completing the work, for instance, January or February 1980.

Work in the Franklin Camp resulted in the discovery of a drusy quartz breccia zone immediately above the old White Bear shaft. Preliminary work indicates that follow-up work will be necessary to fully assess the zone.

Soil results are pending on the Golden Eagle Group. Geological mapping and prospecting revealed several areas of interest. Follow-up work on high grade float in the Lightning Peak area shows that most of the favourable ground is presently held. Some work is possible to the west of Upper Rendell Creek.

If additional work in the Queen Charlotte Islands after the Crescent Program is approved for early 1980, then planning for this field work should begin as early as possible.

Respectfully submitted,

J. T. Shearer

APPENDIX I

AUGUST

TIME SHEETS

J. Shearer

B. Atkinson

J. Clarke

G. Marchak

J.C. STEPHEN EXPLORATION LTD.
1124 WEST 15th STREET
NORTH VANCOUVER, B.C.
V7P 1M9

TELEPHONE (604) 988-1545

NAME J. T. SHEARER

MONTHLY TIME RECORD FOR AUGUST 13 19 79

DATE	WORK DONE	CHARGE
1	Vancouver to Terrace Travelling	
2	Terrace to William Lake Travelling	
3	WINEGLASS RANCH Geology	
4	KAMLOOPS to Grand Forks Travelling	
5	FRANKLIN CAMP Camp construction	
6	up to WHITE BEAR Geology	
7	WHITE BEAR Geology, office work	
8	in to Grand Forks Claims records	Apply for WHITE BEAR Reverted crown grant.
9	WHITE BEAR geol + looking for Posts	
10	STAKING TENDERLOIN ONE	
11	WHITE BEAR geology	†
12	WHITE BEAR geology	
13	TENDERLOIN CLAIMS Geology	
14	TENDERLOIN, 200 Area, geology	
15	into Grand Forks. groceries, decision on Crescent	
16	STAKE TENDERLOIN FOUR geol on Mt McKinley	
17	McKINLEY AREA geology	
18	Yellow Jacket Area geology	
19	GOLDEN EAGLE geology 00 East	
20	GOLDEN EAGLE geology	
21	FRANKLIN to VERNON mining recorder	
22	Vernon to Lightning Peak geology	
23	Lightning Peak geology	
24	Lightning Peak - Golden Eagle - Franklin Camp	
25	Office - Drafting	
26	GOLDEN EAGLE geology	
27	LAST CHANCE CREEK geology	
28	LITTLES showing geology	
29	Franklin to Greenwood Drafting + office	
30	Norwegian Creek Breccia geology	
31	Greenwood to Salmo Travelling	
	TOTAL DAYS WORKED	

J.C. STEPHEN EXPLORATION LTD.
1124 WEST 15th STREET
NORTH VANCOUVER, B.C.
V7P 1M9

TELEPHONE (604) 988-1545

NAME BRIAN ATKINSON.

MONTHLY TIME RECORD FOR AUGUST 1979

DATE	WORK DONE	CHARGE
1	TRUCK PICK UP - WENT TO TERRACE	
2	DROVE TO WILLIAMS LAKE	
3	WINE GLASS RANCH	Geology
4	DROVE TO GRANDFORKS	
5	SET UP CAMP AT FRANKLIN	
6	Prospecting White Bear area	
7	Set up claim line,	prospecting Crystal Copper
8	Prospecting, geology N of White Bear.	
9	Locating posts, Prospecting Franklin area.	
10	Staking TENDERLOIN 2 claims.	
11	Staking TENDERLOIN 3	claim.
12	Detail geology mapping	TENDERLOIN group.
13	Grid mapping TENDERLOIN	
14	Grid mapping TENDERLOIN.	
15	Detail grid mapping	TENDERLOIN.
16	Staked TENDERLOIN 4,	prospecting area
17	McKinley mountain mine & trenches, prospect	
18	Viewing old showings	Franklin mountain
19	Viewing Golden Eagle, EW control line.	
20	Grid mapping of the Golden Eagle.	
21	Detail mapping	Golden Eagle
22	Detail mapping	Golden Eagle
23	Detail mapping	Golden Eagle.
24	Soil sampling	Golden Eagle.
25	Drafting	
26	Prospecting old showing	FRANKLIN area
27	Prospecting geology	LAST CHANCE CREEK
28	Prospecting geology	DANE group.
29	Reconnaissance	MIDWAY BRECCIA area
30	Prospecting geology	MIDWAY BRECCIA.
31	PACK UP FRANKLIN	CAMP.
31	TOTAL DAYS WORKED	

J.C. STEPHEN EXPLORATION LTD.
1124 WEST 15th STREET
NORTH VANCOUVER, B.C.
V7P 1M9

TELEPHONE (604) 988-1545

NAME John Clarke

MONTHLY TIME RECORD FOR August 1979

DATE	WORK DONE	CHARGE
1	Prince George To Terrace	
2	Terrace To Willows Lake	
3	Wineglass - Queen (Drive To Kamloops) El River	
4	Kamloops To Grand Forks.	
5	Make Camp - Franklin	
6	Prospect Tenderloin Mtn.	
7	Location Line - White Bear	
8	Prospect Tenderloin Mtn.	
9	Locate White Bear C.G.	
10	Staking Tenderloin 2	
11	Staking Tenderloin 3	
12	Prospect Tenderloin 3	
13	Prospect Tenderloin 2	
14	Prospect Genie Claim Area.	
15	Prospect - HS, Iron Cap, Gueston To Burrell	
16	Stake Tenderloin 4 - Prospect I.X.L.	
17	Prospect - Homestake - Alpha	
18	Prospect Alpha Area	
19	Golden Eagle - Base Line	
20	Prospect Golden Eagle	
21	Franklin To Lightning Peak	
22	Prospect Lightning Peak	
23	Prospect Lightning Peak	
24	Lightning Peak - Franklin.	
25	Plot Results, Maps etc.	
26	Golden Eagle - (Lakay) Prospect	
27	Prospect - Last Chance	
28	Prospect Nove 1	
29	Prospect Midway	
30	Prospect Midway	
31	Break Camp - Franklin	
	TOTAL DAYS WORKED	

J.C. STEPHEN EXPLORATION LTD.
1124 WEST 15th STREET
NORTH VANCOUVER, B.C.
V7P 1M9

TELEPHONE (604) 988-1545

NAME Geordon Marchak

MONTHLY TIME RECORD FOR August 1-31 1979

DATE	WORK DONE	CHARGE
1	moving - Rupert to Terrace	
2	moving : Terrace to Williams Lake.	
3	Wineglass Ranch grid. 83 samples.	
4	moving : Kamloops to Grand Forks.	
5	Set up camp at Franklin	
6	Franklin "F" Grid. 35 samples	
7	Franklin "F" grid. 25 samples	
8	Franklin "T" grid. 25 samples	
9	Franklin "W" grid. 47 samples.	
10	Franklin - staking Tenter in claims	
11	Franklin float survey.	
12	Franklin "W" Grid 31 samples	
13	Franklin "W" Grid ; gloucester silts 25 samples	
14	Franklin "B" Grid 22 samples.	
15	Franklin creek sampling - 12 samples	
16	Franklin "MC" grid and staking. 17 samples.	
17	Franklin "MC" grid 29 samples.	
18	Franklin "K" grid. 30 samples.	
19	Golden Eagle - set base line.	
20	Golden Eagle "GE" Grid. 37 samples.	
21	Golden Eagle "GE" Grid. 32 samples	
22	Golden Eagle "GE" Grid 38 samples.	
23	Golden Eagle "GE" Grid 37 samples.	
24	Golden Eagle "GE" grid 35 samples.	
25	organizatin and write ups	
26	organizatin and write ups	
27	LAST CHANCE Claims	
28	SOILS ON NOVE AREA	
29	DRAFTING, Notwegian Cr.	
30	MIDWAY BRECCIA SOIL SAMPLING	
31	GREENWOOD TO VANCOUVER	
	TOTAL DAYS WORKED	

NORTH

"Z" GRID

A-1630 20,94,15
A 80755 <10,32,4.2
A-1629 20,285,20
A 80754 <10,12,0.2
A-1628 <10,34,18
U-79-241 <10,40,5
A-1627 10,14,2
A-1626 10,12,1.4
80758 <10,7.5,0.1
A-1624 <10,40,5.8
A-1625 <10,22,4.6
A 80752 <10,11,1.4
<10,49,1.6
<10,10,1.5
10, 16, 1.2
<10,32,4.2
A-1623
A-1622
A-1619
"H" A-79-1035 (-21,8.0)
GRID
A-1618 10,20,2.6

Py, Cp, Zn vein
80679 <10,50,2, ,26
80678 220,3
80677 20,14, ,94, 4.4Ag
80676 20,11
80675 2800,>500, ,260

A 547 <10,5

A-1677 <10,2

A-1046 (11,-)
A-1045 (9,20)
A-1044 (58,-)
A-1043 (10,10)
A-1042 (8,-)
A-1041 (13,-)
A-1040 (12,-)
A-1039 (11,10)
A-1038 (12,-)
A 548 <10,62
A-1047 (30,-)
A-1048 (23,-)
A-1049 (11,-)
A-1050 (12,-)
A-1051 (11,-)
A-1052 (18,-)
A-1053 (11,-)

4.364?
<10,13

A-1678 <10,4.5

"CL" GRID

A-1058 (36,-)
A-1059 (-2,-)
A-1679 <10,4.5
A-1680 <10,26
A-1681 <10,63
80763 <10, 6, 1.4
U-269 <10,78
270 <10,65
A-1682 <10,100
A-1683 <10,73
A-1684 <10,94
80764 <10,24, 0.1
80765 <10,42, 3.4
A1685 10,>500

D LCP

"H" Grid

STATION	Au	As	Sb
002+00W	1	21	4.2
013+00W	1	17	0.8
023+00W	1	59	1.8
033+00W	1	18	0.8
043+00W	1	18	0.1
053+00W	1	19	1.0
063+00W	1	28	2.0
073+00W	1	2500	2.8
083+00W	1	175	2.8
093+00W	1	190	3.0
103+00W	1	15	0.2
113+00W	1	31	0.7
123+00W	1	72	6.0
133+00W	1	22	2.7
143+00W	1	55	2.6
153+00W	1	52	1.3
003+03W	10	200	21
013+03W	1	24	4.0
023+03W	1	24	4.2
033+03W	1	19	3.2
043+03W	1	20	3.0
053+03W	1	28	4.4
063+03W	1	49	2.6
073+03W	1	40	3.6
083+03W	1	36	2.2
093+03W	1	200	13
103+03W	1	60	6.6
113+03W	1	26	3.8
123+03W	1	15	11.8
133+03W	1	65	6.0
143+03W	1	30	15
153+03W	1	54	27

"CL" Grid

STATION	Au	As	Sb
00 N,S+00E	1	32	2.8
01 N	+00E	1	45	1.6
02 N	+00E	1	52	5.2
03 N	+00E	1	14	1.2
04 N	+00E	1	17	3.0
05 N	+00E	1	44	2.2
06 N	+00E	1	10	0.2
07 N	+00E	1	7.5	0.2
08 N	+00E	1	18	1.2
01 S	+00E	1	17	3.0
02 S	+00E	1	18	1.2
04 S	+00E	1	32	1.2
05 S	+00E	1	20	1.2
06 S	+00E	1	12	1.4
07 S	+00E	1	23	1.7
08 S	+00E	1	29	2.7
09 S	+00E	1	27	9.0
00 N,S+03E	1	28	1.0
01 S	+03E	1	8.0	1.2
02 S	+03E	1	11	1.4
03 S	+03E	1	42	1.8
04 S	+03E	1	18	1.8
05 S	+03E	1	20	11.8
06 S	+03E	1	29	5.2
07 S	+03E	1	11	5.2
08 S	+03E	1	25	4.8
09 S	+03E	1	25	3.6
10 S	+03E	1	32	5.6
11 S	+03E	1	16	1.2
12 S	+03E	1	17	2.0
13 S	+03E	1	49	5.2
06 S	+06E	1	10	0.2
07 S	+06E	1	7.5	0.2
08 S	+06E	1	13	1.2

"Z" Grid

STATION	Au	As	Sb
00 E,W	1	1	24
01 W	1	1	1.5
02 W	1	1	2.5
03 W	1	1	1.9
04 W	1	1	5.5
05 W	1	1	1.9
06 W	1	1	6.5
07 W	1	1	5.5
08 W	1	1	12
09 W	1	1	16
10 W	1	1	2.5
01 E	1	1	2.5
02 E	1	1	2.0
03 E	1	1	8.5
04 E	1	1	10
05 E	1	1	7.5
06 E	1	1	19
07 E	1	1	26
08 E	1	1	68
09 E	1	1	88
10 E	1	1	72
00 E,W	+03S	1	29
01 W	+03S	1	40
02 W	+03S	1	70
03 W	+03S	1	46
04 W	+03S	1	11
05 W	+03S	1	46
06 W	+03S	1	72
07 W	+03S	1	86
08 W	+03S	1	60
09 W	+03S	1	12
10 W	+03S	1	3.0
01 E	+03S	1	1.0
02 E	+03S	1	10
03 E	+03S	1	2011
04 E	+03S	1	0.5
05 E	+03S	1	1.0
06 E	+03S	1	2011
07 E	+03S	1	2011
08 E	+03S	1	6.0
09 E	+03S	1	2011
10 E	+03S	1	6.0

inches
0 1 2
0 1 2 3 4 5
centimetres

BRITISH COLUMBIA GEOLOGICAL SURVEY

This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

0 100 200 300 400 500 metres

SCALE : 1"=10,000

LEGEND

- O SOIL SAMPLE
- (-, 20,2) Au p.p.b, As p.p.m, Sb p.p.m.
- (<10, 20) Au p.p.b, As p.p.m
- — denotes <10 p.p.b. Au.

J. C. STEPHEN EXPLORATIONS LTD.
B.C. GOLD SYNDICATE

HUXLEY ISLAND

GEOLOGY AND GEOCHEMICAL RESULTS

NTS - 103 B/6W
WORK BY - JS, BA, JC, PAM
DATE - JULY 1979
DRAWN BY - JS

FIGURE 1, AUGUST REPORT

"AG" GRID

	Au/As		Au/As		Au/As
00E	<10, 35	1050E	<10, 13	2050E	10, 24
50	<10, 11	1100	<10, 22	2100	320, 64
100	<10, 23	1150	<10, 10	2150	20, 35
150	<10, 20	1200	10, 6.0	2200	10, 57
200	<10, 26	1250	10, 11	2250	20, 43
250	<10, 22	1300	10, 7.5	2300	<10, 52
300	10, 98	1350	<10, 19	2350	120, 145
350	<10, 32	1400	20, 33	2400	<10, 76
400	<10, 42	1450	10, 28	2450	<10, 22
450	10, 23	1500	<10, 18	2500	<10, 11
500	10, 19	1550	<10, 55	2550	<10, 23
550	<10, 27	1600	<10, 21	2600	<10, 82
600	<10, 31	1650	<10, 11	2650	<10, 11
650	10, 35	1700	<10, 5.0	2700	10, 9
700	<10, 26	1750	<10, 25	2750	<10, 4.5
750	<10, 27	1800	<10, 130	2800	<10, 4.0
800	<10, 19	1850	<10, 17	2850	10, 5.5
850	<10, 45	1900	<10, 30	2900	<10, 2.5
900	<10, 40	1950	<10, 28	2950	10, 8.0
950	<10, 60	2000E	<10, 28	3000E	<10, 8.5
1000E	<10, 12				

"N" GRID

	03W	00W	
3W+10N	<10, 7, 1.0	<10, 5.5, 0.6	OW+10N
	<10, 11, 1.4	<10, 9, 0.6	
	<10, 2.5, 1.2	<10, 11, 0.8	
	20, 24, 2.0	<10, 20, 2.0	
	20, 16, 2.0	<10, 15, 1.2	
	<10, 16, 1.4	<10, 19, 1.6	
	<10, 31, 2.8	<10, 17, 0.8	
	<10, 24, 2.4	<10, 17, 1.8	
	<10, 19, 2.8	<10, 17, 2.0	
	20, 19, 0.8	<10, 24, 0.8	
3W+0N	<10, 28, 1.0	10, 20, 1.8	OW+00N
	<10, 19, 1.8	<10, 28, 2.0	
	10, 36, 1.2	<10, 18, 1.6	
	<10, 29, 1.8	<10, 32, 2.0	
	<10, 19, 1.6	<10, 35, 2.2	
	<10, 27, 1.4	<10, 20, 1.6	
	<10, 32, 1.0	<10, 29, 2.6	
	<10, 19, 1.0	<10, 19, 3.2	
	<10, 28, 1.0	20, 32, 2.8	
	<10, 37, 2.2	<10, 22, 2.0	
3W+10S	<10, 35, 2.2	<10, 29, 2.2	OW+10S

JC STEPHEN EXPLORATIONS LTD

BC GOLD
ALDER GOLD CLAIMS
BURNABY ISLAND

FIGURE 2, AUGUST REPORT

NORTH

LEGEND

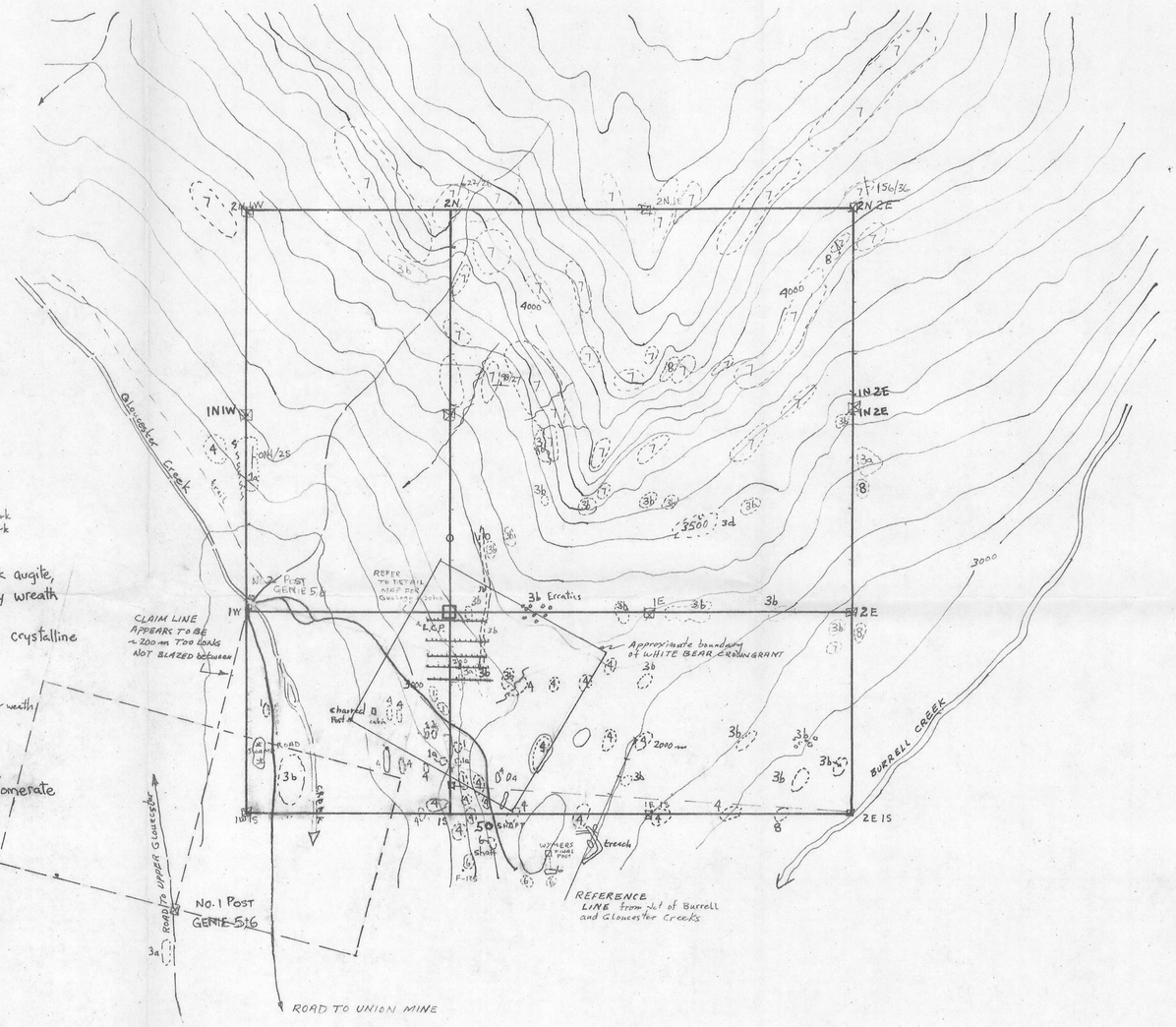
8	SYENITE : crs xline, lrg k-spar phenos,
7	7a Trachyte dk, fine xline, mod dark b Basaltic Tuff Aphanitic, vesicular, dark
6	AUGITE SYENITE coarse grained, dk augite, magnetite, light grey wreath
5	PYROXENITE : dark, fine to coarse crystalline "BLACK LEAD"
4	MONZONITE : syenogranular, med xline, lt. gr wreath, lt grey, augite phenos.
3	KETTLE RIVER 3a. arkose b. conglomerate c. arkosic conglomerate d Acid tuff
2	GRANODIORITE : dk wreath, Hbl rich, commonly gabbroic
1	GREENSTONE 1a. altered greenstone, skarn

Outcrop

claim Post

3500 elevation contour in feet.

49 strike and dip.



0 100 200 300 400 500 600 700 meters.

SCALE 1:10,000

J. C. STEPHEN EXPLORATIONS

B.C. GOLD SYNDICATE

WHITE BEAR CROWNGRANT AND TENDERLOIN GROUP

GEOLOGY AND INDEX MAP.

DATE : AUGUST 12 1979 WORK BY: JS, BA, JCGM

N.T.S. : 82 E/9W DRAWN BY: BA, JS

inches 0 1 2

centimetres 0 1 2 3 4 5

BRITISH COLUMBIA GEOLOGICAL SURVEY

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FIGURE 9 AUGUST REPORT