BRITISH COLUMBIA

PROSPECTORS ASSISTANCE PROGRAM

MINISTRY OF ENERGY AND MINES

GEOLOGICAL SURVEY BRANCH

PROGRAM YEAR:	1996/1997
REPORT #:	PAP 96-31
NAME:	ROBERT RUSSELL

BRITISH COLUMBIA
PROSPECTORS ASSISTANCE PROGRAM
PROSPECTING REPORT FORM (continued)

B. TECHNICAL REPORT

- One technical report to be completed for each project area.
- **Refer to Program Requirements/Regulations, section 15, 16 and 17.**
- If work was performed on claims a copy of the applicable assessment report may be submitted in lieu of the supporting data (*see* section 16) required with this TECHNICAL REPORT.

Name Robert Russell Reference Number P-67

LOCATION/COMMODITIES

Project Area (as listed in Part A) 104 016 SE quad MINFILE No. if applicable _____

Location of Project Area NTS 104 016 SE quad Lat 59° 45' Long 130° 30'
Toofsee Lake Map Area

Description of Location and Access Area accessible by float plane from Watson Lake Yukon, a distance of 50 miles west.

Main Commodities Searched For Cu, Zn, Ag ± Au (Kuroko type of deposit)

Known Mineral Occurrences in Project Area Ag and Zn (Midway showing) lies about 15KM Northwest of Project Area.

WORK PERFORMED

1. Conventional Prospecting (area) 14 KM²
2. Geological Mapping (hectares/scale) _____
3. Geochemical (type and no. of samples) 30 rock sample sites
4. Geophysical (type and line km) _____
5. Physical Work (type and amount) Base line and access routes 10KM of Line cutting.
6. Drilling (no,. holes, size, depth in m, total m) _____
7. Other (specify) _____

SIGNIFICANT RESULTS

Commodities _____ Claim Name _____

Location (show on map) Lat _____ Long _____ Elevation _____

Best assay/sample type Geochemical Analysis on Rock sample No.3 Au 30ppb; Cu 510ppm

Description of mineralization, host rocks, anomalies Anomalous gold values in sample taken from a light gray and gossanous weathering variably colored lapilli tuff containing traces of zinc and pyrite.

Supporting data must be submitted with this TECHNICAL REPORT

Information on this form is confidential for one year from the date of receipt subject to the provisions of the *Freedom of Information Act.*

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: RUSSELL, ROBERT M.

P.O. BOX 894
FORT NELSON, BC
V0C 1R0

Project :
Comments:

Page Number :1
Total Pages :1
Certificate Date: 02-SEP-96
Invoice No. :19628613
P.O. Number :
Account :ISL

CERTIFICATE OF ANALYSIS A9628613

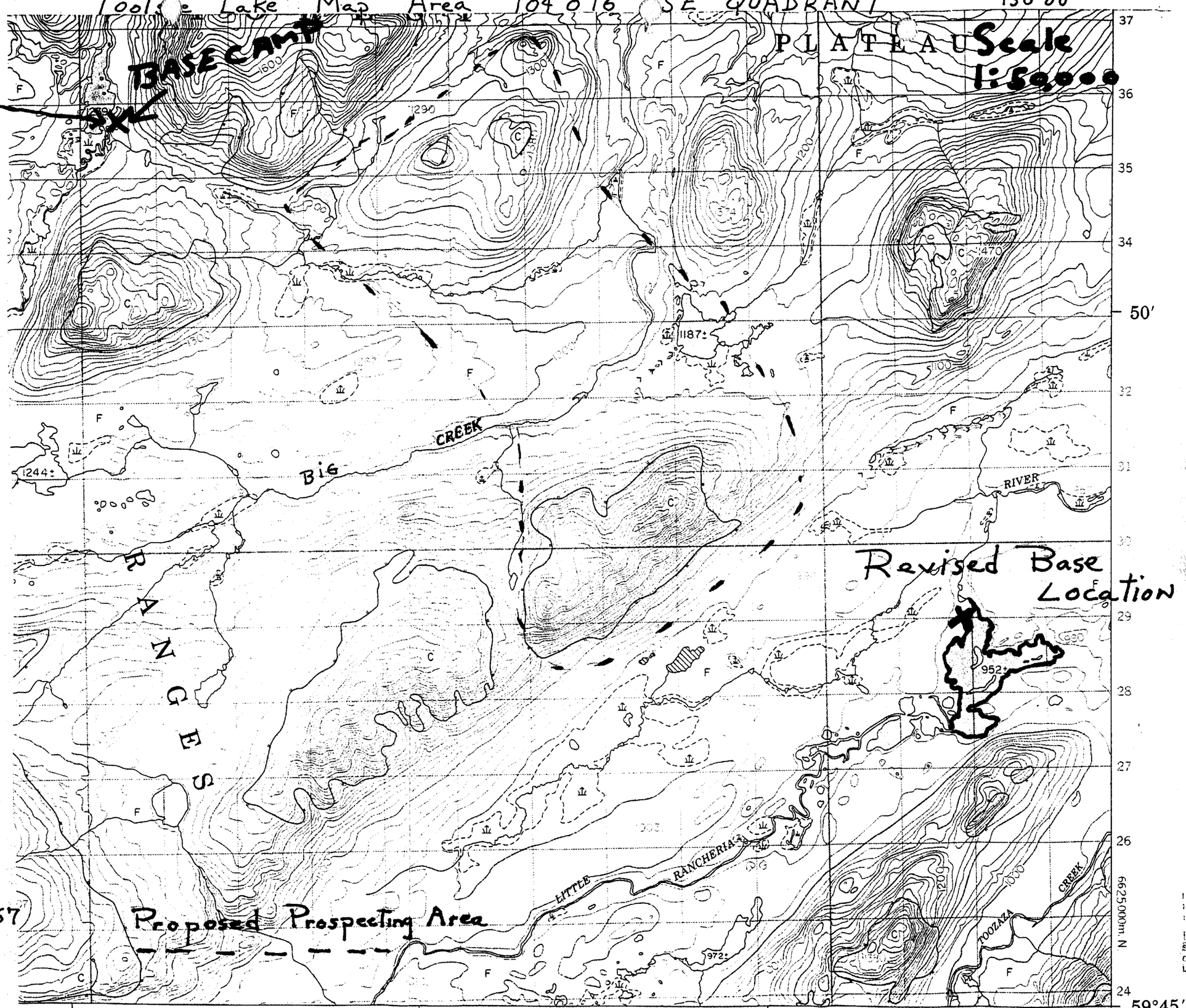
SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	As ppm	Bi ppm	Cd ppm	Cu ppm	Hg ppb	Mo ppm	Pb ppm	Sb ppm	Zn ppm			
01	205	226	< 5	0.06	5.2	0.2	< 0.1	2.8	< 10	0.4	4.0	< 0.2	100			
02	205	226	< 5	0.12	1.8	0.4	0.2	55.2	< 10	< 0.2	12.0	< 0.2	238			
03	205	226	30	0.36	1.6	< 0.2	0.1	510	< 10	0.2	6.0	< 0.2	74			
04	205	226	< 5	0.02	1.8	< 0.2	< 0.1	23.2	10	< 0.2	5.5	< 0.2	80			
05	205	226	< 5	0.30	2.4	0.2	< 0.1	234	< 10	< 0.2	6.0	< 0.2	77			
06	205	226	< 5	0.12	1.8	1.6	< 0.1	35.6	10	0.6	10.0	< 0.2	136			
07	205	226	< 5	0.08	2.2	< 0.2	0.1	141.0	< 10	< 0.2	6.5	< 0.2	87			
08	205	226	< 5	0.10	1.2	< 0.2	0.1	154.5	< 10	0.2	4.0	< 0.2	86			
09	205	226	< 5	0.06	2.4	< 0.2	< 0.1	136.5	10	< 0.2	6.5	0.2	69			
10	205	226	< 5	0.08	3.4	< 0.2	< 0.1	48.6	10	< 0.2	4.0	< 0.2	131			
11	205	226	< 5	0.12	4.0	< 0.2	0.3	50.6	10	< 0.2	10.5	< 0.2	302			
12	205	226	< 5	0.12	1.4	0.2	0.3	79.4	< 10	< 0.2	8.0	< 0.2	239			
13	205	226	< 5	0.12	2.8	0.2	0.1	73.2	< 10	< 0.2	6.0	< 0.2	220			
14	205	226	< 5	0.46	34.2	0.2	1.1	230	10	< 0.2	54.5	< 0.2	765			
15	205	226	< 5	0.10	3.6	0.2	0.5	40.2	10	< 0.2	12.5	< 0.2	410			
16	205	226	< 5	0.10	5.2	< 0.2	0.5	35.8	< 10	< 0.2	18.0	< 0.2	416			
17	205	226	< 5	0.14	62.4	0.2	0.6	39.8	10	< 0.2	25.0	< 0.2	445			
18	205	226	< 5	0.16	9.0	0.2	0.8	77.0	< 10	< 0.2	29.0	< 0.2	592			
19	205	226	< 5	0.04	5.6	< 0.2	0.4	7.4	10	0.2	7.5	< 0.2	328			
20	205	226	< 5	0.08	5.2	0.2	0.5	19.2	10	< 0.2	15.5	< 0.2	394			
22	205	226	< 5	0.12	0.6	0.6	< 0.1	120.0	10	0.4	5.0	< 0.2	261			
23	205	226	< 5	0.14	7.4	1.0	0.3	28.2	< 10	0.4	10.0	1.0	72			
24	205	226	< 5	0.06	21.2	0.2	0.1	6.8	< 10	0.2	4.5	< 0.2	358			
25	205	226	< 5	0.02	4.2	0.2	< 0.1	19.2	< 10	0.2	6.0	< 0.2	203			
26	205	226	< 5	0.02	2.2	0.2	< 0.1	3.4	10	0.4	6.0	< 0.2	29			
27	205	226	< 5	0.10	3.0	0.6	0.1	48.0	< 10	0.4	4.0	< 0.2	91			
28	205	226	< 5	0.22	4.6	< 0.2	0.1	185.5	< 10	0.2	6.0	0.6	144			
29	205	226	< 5	0.10	4.4	0.2	0.1	77.0	< 10	0.2	6.5	< 0.2	146			
30	205	226	< 5	0.06	1.8	0.2	< 0.1	30.2	10	0.2	8.0	< 0.2	65			
31	205	226	< 5	0.08	4.6	< 0.2	< 0.1	53.0	< 10	< 0.2	4.5	< 0.2	171			

CERTIFICATION: Stuart Bichler

Plane will not be able to land here

Robert Russell
Box 894
Fort Nelson, BC
774-4380

Prospectors Assistance I.D. No. 67



South Post Ridge Volcanics (lllSPV)

104 O 16 - SE quad

Age unknown - possibly Permian

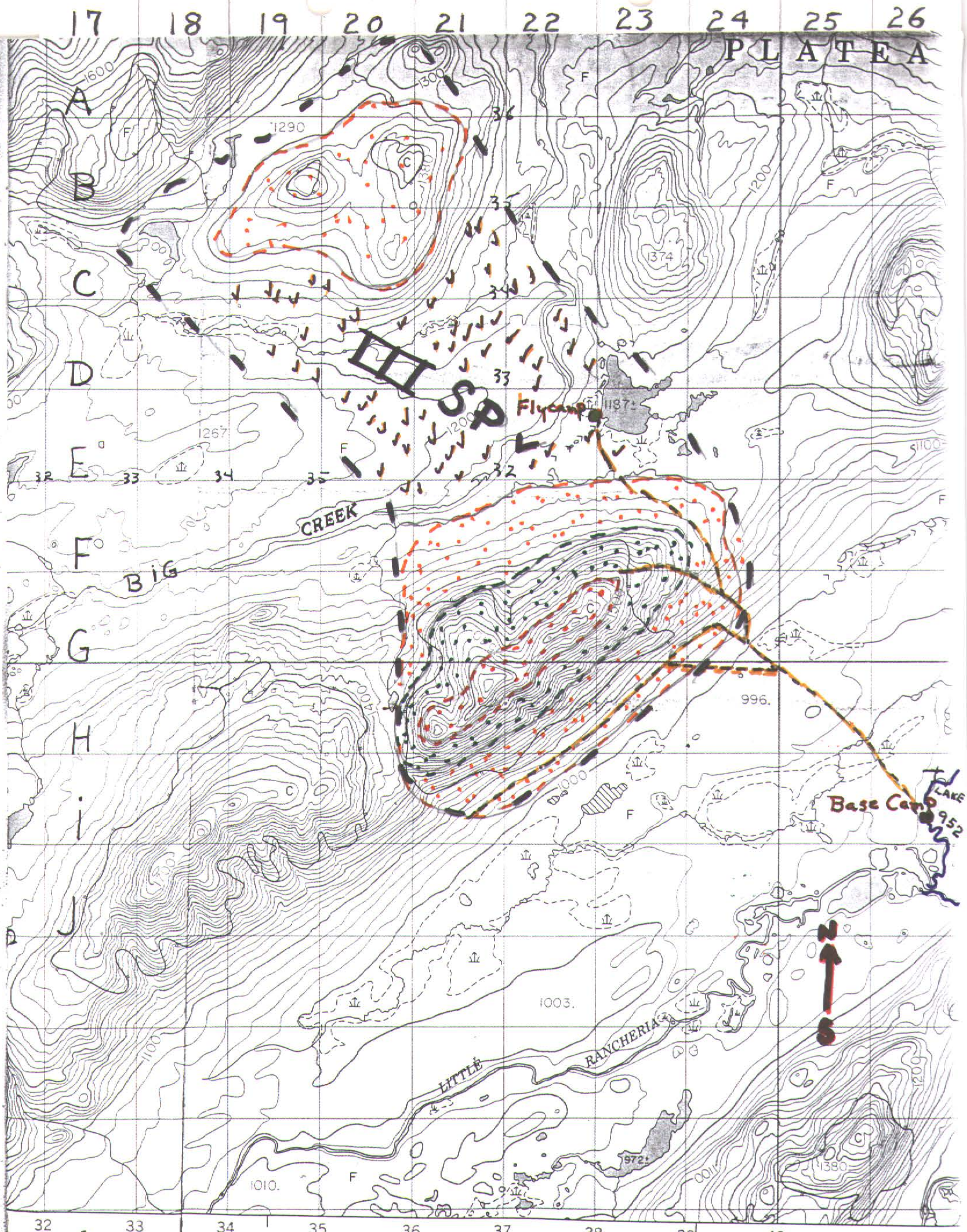
Trachyandesite, latite flows, subvolcanic intrusions, pyroclastic and epiclastic equivalents.

lava flows and or dykes 

mixed flows & pyroclastics 

flows subordinate to pyroclastics (and breccia subordinate to lapilli tuff pyroclastics and epiclastics ? 

Base line and access routes 



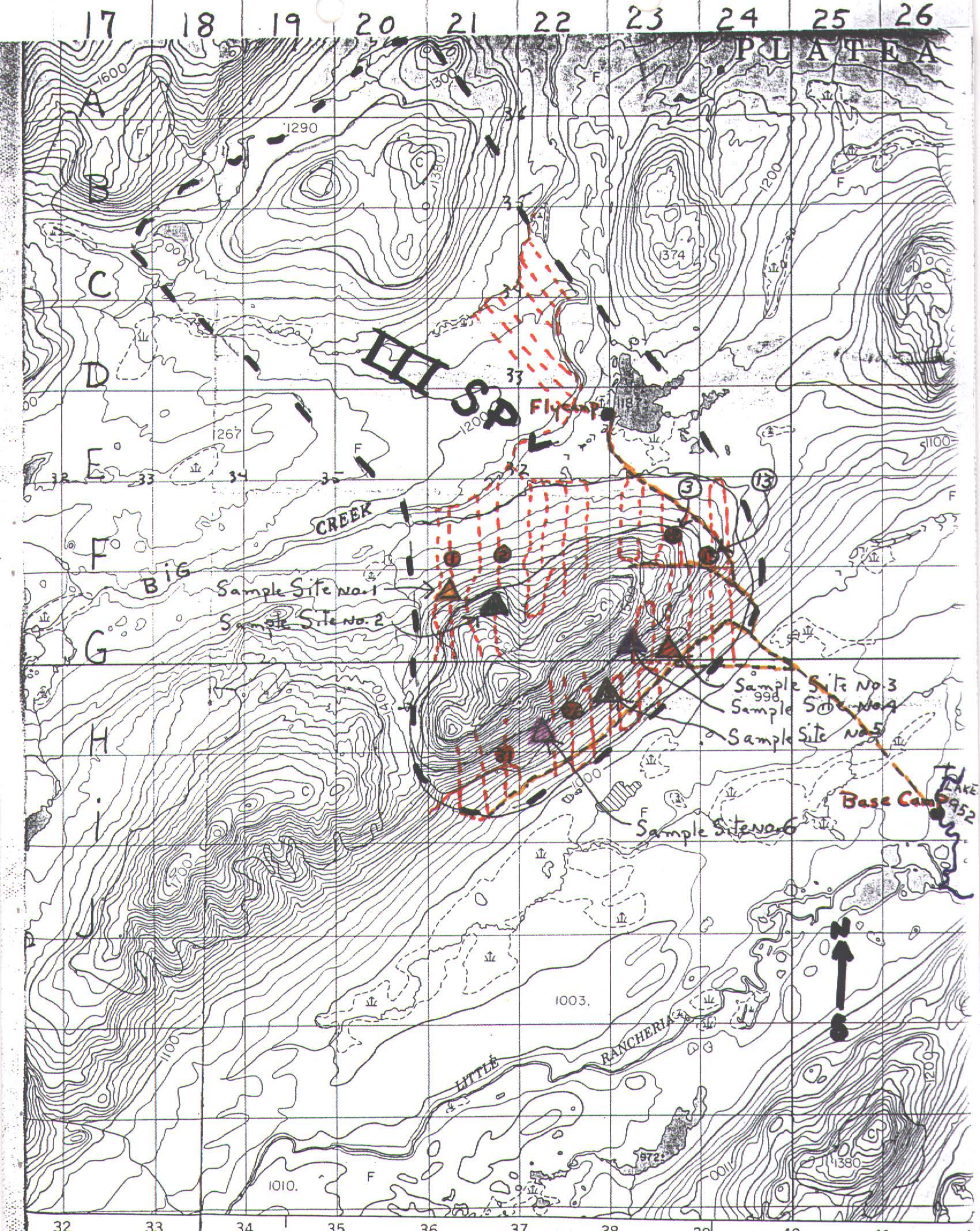
17 18 19 20 21 22 23 24 25 26
PLATEA
A
B
C
D
E
F
G
H
i
J
1600
1290
1380
1300
1374
1200
1187±
1267
Flycamp
III
SP
33
32
CREEK
BIG
996.
1000
1100
Base Camp
LAKE
952
N
S
1003.
LITTLE
RANCHERIA
972±
1010.
1380
32
33
34
35
36
37

Base line and access route - - - - - -

traverse lines - - - - - -

		Sample Nos
Sample site	No. 1	, 4, 5, 6, 7, 12
Sample site	No. 2	8, 9, 10, 11
Sample site	No. 3	14, 15, 16, 17, 18
Sample site	No. 4	19, 20, 22
Sample site	No. 5	23, 24, 25
Sample site	No. 6	27, 28, 29, 30

	sample Nos.
●	1
●	2
●	3
●	13
●	26
●	31


17
18
19
20
21
22
23
24
25
26
PLATEA
A
B
C
D
E
F
G
H
I
J
1600
1290
1300
1380
1374
1200
1187
1267
1100
996
1000
1003.
1010.
972
1380
III SP
Flycamp
CREEK
BIG
Sample Site No. 1
Sample Site No. 2
Sample Site No. 3
Sample Site No. 4
Sample Site No. 5
Sample Site No. 6
Base Camp
LAKE
952
LITTLE
RANCHERIA
N
S
32
33
34
35
36
37
38

Cover: View looking WNW towards
South Post Ridge

Project Area - 104 O 16 - SE quad

Tootsee Lake Map Area 104 O 16

towards

July 7 Sunday — Day 1

sunny

Left Fort Nelson, stayed the night at Iron Creek Lodge Mile 596 Alaska Hwy.

16-5E quad

Area 104 016

July 8 - Monday — Day 2

Sunny

Arrived at Lake 952 via Float plane from Watson Lake Flying service. Set up Base Camp.

July 9 - Tuesday Prospecting (1) Day 3
cloudy, sunny periods

Flagged and brushed out access route in preparation for compass grid on F-23, F-24, G-23 east quad and G-24 west quad.

July 10 - Wed Day 9

low pressure - cloudy

Set up Fly camp at Lake 1187 E-23 NW quad.

July 11 - Thurs, Prospecting (2) Day 5
high pressure cloudy with sunny periods

Prospected section of Big Creek D-22. Tan brown weathering lapilli tuff or graywacke protruding from bank as a small lens was examined and contains narrow veinlets up to 5 cm long of calcite, quartz and epidote.

July 12 - Friday, Prospecting (3) Day 6
high pressure, mainly sunny.

Prospected section of Big Creek
E-22 NE quad to E-21 SE quad.

Brown and light gray weathering
gray volcanic siltstone or tuff and
light brown weathering lapilli tuff
outcrop in several places. The
outcrops are very small and may
be rubble in part. The lithics are
up to 3mm in longest dimension.

July 13 - Saturday, Prospecting (4) Day 7
high pressure, mainly sunny

Prospected along NE flowing section of a creek immediately north of Big Creek D-21 NE quad to C-22 NW quad.
No outcrops were observed along traverse. Returned to flycamp at 10 PM.

July 14 - Sunday, Prospecting (5) Day 8
high pressure, sunny.

Traversed the area between Big Creek and the creek flowing NE situated immediately north of Big Creek. Approx 3 KM of traverses were covered on a low lying mixed spruce and pine bench. Several Kames and eskers up to 8 M in height were encountered. Only a few small outcrops and or rubble were examined and they appear to be a brown and light gray weathering greenish gray lapilli tuff with lithics averaging 2 mm in longest dimension.

July 15 - Monday, Prospecting (6) Day 9
unsettled, rainy periods.

Continued traverse between Big Creek and the creek flowing NE situated immediately north of Big Creek. Approx 3 KM of traverses were covered. I was hoping to find some evidence or signs of submarine venting conditions within this low lying proximal zone? in relation to central venting conditions on South Post Ridge. However, finding outcrops was arduous to say the least because of extensive moraine coverage. The only outcrop observed was a brown and light gray weathering graywacke or lapilli tuff that protruded from a low lying depression covering an area about 10 sq meters. No visible signs of hydrothermal alteration were evident.

July 16 - Tuesday, Prospecting (7). Day 10
unsettled, intermittent drizzle.

Examined sections of rock upslope on F-21 west half.

Conducted compass traverses along N-S lines to cover F-21 west half. Approx 1.5 km of traverse covered. About a dozen small discontinuous outcrops were examined.

Gray-tan weathering light greenish gray lapilli tuff with lithics up to 15 mm in longest dimension and lesser amounts of breccia with clasts up to 70 mm in longest dimension and containing rare amounts of light watery gray rhyolite were observed. The rhyolite breaks with a conchoidal fracture. All outcrops were to some extent sparsely mineralized with chalcopyrite and pyrite. Mineralization occurs as hairline fractures up to 2 cm long and as small blebs up to 5 mm across.

Sample No. 1

July 17 - Wednesday, Prospecting (8) Day 11
high pressure, sunny.

Conducted compass traverse along N-S lines to cover E-21 east half. Approx 2 KM of traverse covered.
Six small outcrops of gray tan weathering variably colored lapilli tuff with lithics measuring up to 3cm in longest dimension. All outcrops contain traces of chalcopyrite as blebs up to 5mm across.
Sample NO. 2

July 18 Thursday, Prospecting (9) Day 12
Pressure 29.88, overcast
Conducted a compass traverse along N-S lines to cover G-21 west half. Approx 2 KM of traverse covered.
Numerous discontinuous outcrops were encountered seperated by buck brush, juniper bush and isolated stands of balsam fir. A variety of rock types; mainly tan and gray black weathering as well as rusty weathering dark blackish gray andesite and gray-tan weathering lapilli Tuff were observed. To a lesser extent breccia and rusty brown weathering dark gray plagioclase porphyry; weakly to moderately porphyritic were noted. For the most part, all the rock types contain rare traces of chalcopyrite as blebs and or occupy hairline Fractures. No evidence of strong hyro thermal alteration was found.
Sample Nos. *, 4, 5, 6, 7 · 12

July 19 - Friday, Prospecting (10) Day 13
pressure 29.78, mainly cloudy

Examined section of volcanics upslope on a NW trending ridge to cover G-21 east half. Approx 2 KM of Traverse covered. The lower part of traverse consists of numerous outcrops of gray, tan and light green weathering lapilli Toff containing several clast types and colors. Colors range from light gray to light green to almost black. Several of the outcrops contain traces of chalcopyrite and pyrite. Tan and grayish black weathering dark blackish gray andesite and or basaltic andesite was noted mainly at higher levels and contains small amounts of chalcopyrite and pyrite as hairline streaks and blebs.

Sample nos. 8, 9, 10, 11

July 20 - Saturday, Prospecting (11) Day 19
low pressure, sunny intervals.

Conducted a compass traverse along N-S lines to cover west half of F-22. Approx 2KM of traverse covered.
Minor tan brown and pale green weathering dark gray andesite with feldspar phenocrysts up to 1cm in length, and containing rare specks of chalcopyrite, minor gossanous seams and quartz epidote veinlets up to 12 cm long were observed in several small outcrops. Shear planes and closely spaced fractures make the rocks fairly susceptible to erosion.
Lapilli tuff, and breccia with clasts up to 20 cm in longest dimension were occasionally noted.

July 21 - Sunday, Prospecting (12) Day 15
high pressure, light rain in PM.

Conducted compass traverse along N-S lines to cover east half of F-22. Approx 2KM of traverse covered.

a) light brown and white weathering gray brecciated Feldspar latite porphyry containing black and green spherulites... in part elongated - as well as brecciated quartz clots. The white rind consists of travertine.

b) light brown and white weathering breccia-lapilli consists mainly of latite clasts. Epidote, calcite and quartz are prevalent. Some of the clasts measure up to 200mm in longest dimension. (Main rock Type)

July 22 - Monday, Prospecting (13) Day 16
high pressure, sunny with cloudy periods.

Examined a section of outcrops upslope on north facing slope of South Post Ridge to cover G-22 NW quad. Approx 1KM of traverse covered.

a) White weathering light gray latite containing abundant sphere filled vesicles of black material as well as minor hornblende crystals up to 1cm long. The rock contains a white rind averaging 3mm and up to 1cm thick of travertine.

b) Also, rusty and tan brown weathering dark gray andesite along a steep draw contains rare traces of chalcopyrite

c) Rusty and gray brown weathering dark blackish gray andesite higher up section contains traces of chalcopyrite.

July 23 - Tuesday Prospecting (14) Day 17
high pressure, sunny very warm.

Traversed up section along approx N-S lines to cover F-23 west half. Approx 2KM of traverse covered.

Quartz, olive green and light green epidote, and feldspar as stringers and clots along shear planes and occupying as well as lining cavities in brownish gray weathering and pale greenish gray weathering dark gray trachyandesite (main rock type)

Light green weathering grayish green lapilli tuff with clasts ranging from 2-20mm containing stringers of quartz as well as extensive epidotization. Both of the above lithologies contain rare traces of chalcopyrite and pyrite as clots and stringers.

July 29 : Wednesday, Prospecting (15) Day 18
high pressure, cloudy with sunny periods

Conducted compass traverse along N-S lines to cover E-23 east half. Approx 1.5 KM of Traverse covered.
A variety of rock types were noted mainly, gossanous light gray green and white powdery weathering variably colored volcanics containing rare specks of sphalerite and pyrite. Shear planes are coated with a blue and purple iron oxide. Also tan brown weathering grayish green volcanics with textural characteristics of an accretionary lapilli tuff? The dark spheres average 1-4 mm in diameter.
- Light gray and gossanous weathering variably colored lapilli tuff containing traces of zinc and pyrite.
- Tan and brown weathering light greenish gray spherulitic trachyandesite

Sample No. 23

July 25 - Thursday, Prospecting (16) Day 19
high pressure, very warm.

Conducted a compass traverse along N-S lines to cover F-24 west half. Approx 2KM of traverse covered.
A few small outcrops were noted, in particular a gray green lapilli tuff consisting of a chaotic mixture of variably sized and types of lithics. The larger clasts up to 6cm in longest dimension are themselves composed of subangular to rounded clasts. Some of the clasts are well indurated and may be a cherty tuff or rhyolitic material.
An outcrop of lapilli tuff contains conspicuous trachyandesite clasts up to 10mm in length and contains rare traces of chalcopyrite and malachite stain.

Sample No. 13

July 26 - Friday, Day 20

pressure 30.19, sunny and hot

Returned to base camp at Lake 952.

July 27 - Saturday, Prospecting (17) Day 21
high pressure, sunny and very warm.

Flagged and or blazed and brushed out access route to base line commencing at H-24 north quad and terminating at base of mountain. Approx 1 KM of line was worked on.

July 28 - Sunday, Prospecting 18 Day 22
high pressure, sunny and hot.

Flagged, blazed and brushed out 1.5 km of base line in preparation to cross-section exposed volcanics on south side of South Post Ridge.

July 29 - Monday, Prospecting (19) Day 23
Pressure 30.12, sunny and very warm.

Completed base line - a total of 3.2 KM of line work.
The base line courses its way through mainly heavy stands of mature mixed spruce and balsam.
Paralleling the base line and some 45 meters higher up, a narrow strip of aspen skirts this lower section of the mountain side; occasionally interrupted by small clearings of uprooted trees caused by local snow slides.

July 30 - Tuesday, Prospecting (20) Day 24
high pressure, sunny and pleasant.

Conducted compass traverse along N-S lines to cover G-24. Approx 2 KM of traverse covered.
A few small outcroppings were noted and examined. For the most part, gray-tan weathering variably colored lapilli tuff is dominant. Greenish gray trachyandesite clasts up to 30 mm in length and spherulitic in part are common. The lapilli tuff contains very minor chalcopyrite as small blebs distributed at random.

July 31 - Wednesday, Prospecting (21) Day 25
high pressure, cloudy and cool.

Conducted compass traverse along approximate N-S lines off base line to cover G-23 east half. Approx 2KM of traverse covered.

Several different rock types were observed. They do not seem to fit into any sequential order in relation to complete flow units up section.

Pyroclastic rock is the most abundant and is extremely variable in composition and clast size. Brown weathering greenish gray trachyandesite (non oolitic) is also present. Light brown weathering gray lapilli tuff contains rhyolite and latite clasts whereas light brown and white weathering breccia-lapilli contain trachyandesite, latite and rhyolite? clasts. The trachyandesite clasts contain colorless, black and green spherulites. Very minor amounts of chalcopyrite filled fractures up to 3cm long were observed.

Aug 1 - Thursday, Prospecting (22) Day 26
high pressures, mainly sunny and pleasant

Examined a section of volcanics upslope, covering part of G-23 west half. Approx 1 km of traverse covered. Three main rock types were examined. 1) Brownish gray weathering light gray latite contains minor malachite stains and small clusters of brownish red siderite crystals throughout. Rock type is well epidotized and silicified. Epidote and quartz veinlets up to 1 cm in width are common. 2) Brownish to pale green weathering light green trachyte for the most part is extensively epidotized. Quartz veinlets occupy fractures up to 5 cm in length. Malachite staining occasionally observed.
3) Light green to brown and white weathering light gray latite with minor vesicular infillings of apple green epidote and rare infillings of chalcopyrite. Minor amounts of limonite infillings are present throughout outcrops and epidote occupies small veinlets up to 3 cm in length. Malachite staining observed in several places.

Aug 2 - Friday, Prospecting (23) Day 27
Pressure 29.88, cloudy with sunny period.

Conducted a compass traverse along N-S lines off base line to cover H-23. Approx 2KM of Traverse covered.
Several outcrops of pyroclastic rock were noted in H 23 NW quadrant. Light grayish green weathering lapilli tuff predominates. It contains rare rhyolitic as well as trachyte and andesite clasts. The rock types are for the most part moderately epidotized. The larger clasts of light green trachyte are up to 60 mm in longest dimension. Very minor chalcopyrite and pyrite noted.

Aug 3, Saturday, Prospecting (24) Day 28
low pressure 29.79, overcast and cool,
intermittent drizzle.

Examined a section of volcanics upslope, covering a part of H-22 east half and I-22. Approx 1KM of traverse was covered in a general N-S direction terminating at the 1300 M contour.

Main rock types encountered along traverse are pyroclastics along lower section and mixed lithologies of latite flows and pyroclastics up section.

Latite flows are pale light green, brown, and white weathering and light gray on fresh fracture surfaces. The white weathering consists of a travertine kind. Minor spheroidal infillings of apple green epidote and black material as well as chalcopyrite blebs were noted. Occasional malachite of minor extent was noticed. Small clots of reddish pink siderite crystals were not uncommon.

Reddish-gray-brown weathering light greenish gray lapilli tuff with abundant black and green spherulites and quartz veinlets accompanying rare blebs of chalcopyrite were observed along the lower section.

Samples 23, 24, 25.

Aug 4 - Sunday, Prospecting (25) Day 29
Pressure 29.88, overcast with drizzle.

Continued examination of a section of volcanics upslope covering apart of H-22 east half and I-22. Approx 1KM of traverse was covered in a general N-S direction terminating at 1400 M. contour. Rock types of note are mainly pyroclastics along lower reaches and mixed pyroclastics and flows up section. Four types are brought to attention:

1) Reddish brown weathering greenish gray trachyandesite NON oolitic. Quartz and epidote veinlets up to 1 metre long. Brownish epidote crystals up to 2cm. long in radiating groups and needles occupy small cavities.

2) light greenish gray weathering greenish gray trachyandesite - extensive epidotization and silicification throughout - NON spherulitic.

3) Brownish - light green weathering variably colored lapilli tuff (light green, dark gray, gray and blackish gray) contains generous amounts of brownish

red siderite crystals, calcite, quartz, epidote and feldspar. Lithic fragments are non oolitic and measure up to 40mm in length.

4) light green weathering light gray amygdaloidal latite with extensive epidatization. Quartz and calcite infilling of cavities and seams. Numerous small vesicles infilled with limonite. All of the above rock types contain minor traces of chalcopyrite and or pyrite as blebs or streaks.

Sample No. 26

Aug 5 Monday, Prospecting (26) Day 30
high pressure, mainly overcast

Prospected a section of volcanics upslope covering a part of H-22 west half and I-22. Approx 1KM of traverse was covered in a general N-S direction terminating at the 1400 M. contour.
FOOTNOTE A Shoulder high aspen and willow covered dry ravine frequented by caribou on the way to their summer feeding grounds higher up; provided good access to the 1200 M. contour. Most of the larger rock outcrops along the entire face of the south side of the mountain are in the form of short discontinuous steep ledges and rock benches seperated by tracts of juniper, buckbrush and rubble. Patches of bare rock checker-board throughout the larger tracts of tangled growth.
Rock types of note are mainly mixed lithologies of pyroclastics and flows found throughout traverse section.
Four major rock types were observed:

1) Brown and gray weathering volcanic breccia with clasts up to 10cm in length. The breccia contains minor watery gray rhyolite clasts. Chalcopyrite is found as minor blebs.

2) Gray-tan weathering light greenish gray lapilli tuff. Lithics up to 15mm in longest dimension. Traces of chalcopyrite throughout.

3) Reddish brown and grayish black weathering dark blackish gray andesite containing small rusty streaks and blebs accompanied by minor pyrite and chalcopyrite.

4) Reddish brown weathering dark gray plagioclase porphyry, weakly to strongly porphyritic contains minor traces of chalcopyrite.

Sample Nos. 27, 28, 29, 30.

Aug 6 · Tuesday, Prospecting (27) Day 31
high pressure 29.98, unsettled

Conducted a compass traverse paralleling the 1200 m contour that borders on the edge of the tree line located in I-21 north quadrant. Approx 2KM of traverse covered. 150-200 meters above the aspen that skirts the mountainside are numerous small outcrops along strike.

Breccia, lapilli tuff and tan, dark brown-gray, and reddish brown weathering dark blackish gray andesitic rock was noted on numerous occasions. All rock types contain traces of chalcopyrite. The breccia contains clasts up to 12cm in longest dimension whereas the lapilli tuff has clasts up to 25mm in length.

Aug 7 - Wednesday, Prospecting (28) Day 3.
pressure 30.20, mainly cloudy with
sunny intervals.

Prospected a section of volcanics upslope
covering a part of H-21 east half and I-21
Approx 1km of traverse was covered in a
general N-S direction terminating at the
1500 meter contour.
A mixture of pyroclastics and andesites are
the major rock types.
Tan and reddish brown weathering massive
dark gray andesite is most conspicuous.
Lesser plagioclase porphyry with a
reddish brown weathering rind and a dark
greenish gray fresh fracture surface, as
well as minor breccia and gray weathering
greenish gray lapilli tuff containing
some trachyte? clasts were noted.
Most of the outcrops examined contain
minor traces of chalcopyrite.
Sample No. 31

Aug 8 - Thursday, Prospecting (29) Day 33
mainly cloudy with sunny intervals
and intermittent drizzle.

Prospected a section of volcanics upslope
covering a portion of H-21 and I-21
terminating traverse just below a
mountain pass at the 1500 meter contour.
Approx 1KM of traverse covered.
Rock types of note are basically
reddish brown and tan-gray weathering
dark gray andesite flows and lesser
plagioclase porphyry that is moderately to
strongly porphyritic. Minor specks of
chalcopyrite are present throughout both
rock types.
Lapilli tuff outcrops mainly at the
lower levels between 1100-1300 meters.
Minor specks of chalcopyrite are
distributed throughout the lapilli tuff.

Aug 9 - Friday, Prospecting (30) Day 39
Mainly cloudy and windy, pressure 30.02

Prospected a section of volcanics upslope covering a part of H-21 west half and I-21. Approx 1KM of traverse covered in a general N-S direction terminating Traverse at the 1500 meter contour. Lapilli tuff containing numerous andesite clasts up to 20mm in longest dimension as well as breccia and massive reddish brown weathering dark gray andesite were noted throughout the traverse. However, reddish brown weathering massive andesite and tan weathering plagioclase porphyry become more prominent higher up. Minor specks of chalcopyrite and pyrite were observed on numerous freshly broken surfaces.

Aug 10 – Saturday, Day 35

mainly sunny and warm, high pressure
Cleaned up around base camp and
built a wharf as water has dropped
considerably. Plane will be coming
in tomorrow morning.

Aug 11, Sunday — Day 36

Sunny.

Arrived at Watson Lake air float base around noon.
Left for Fort Nelson at 1 PM.