

CAMP CHARLIE - camp #2

674208

Date: June 4th to June 8th rough outline

Location: East of Morrison LK - on Aero mag High.
on T.G.S. Jake group.

Air photo # BC 1592 - 60, 61, 62; BC 1595 - 54, 53

Maps - - 5242G OLD FORT - Airborne Magnetic Survey

site samples - Y-36 - 85 + Y-111 - 130

Sample Locations are plotted on Air photos.

Mineralization - Trace amounts of pyrite - at most ~ 1/2 %

No copper mineralization

Most rock Types are magnetic - some have large xls of magnetite

all intrusive rocks - diorites - are magnetic

but also most of the fine grained andesites are magnetic also

the only rocks that not magnetic are the coarsely amygdaloidal andesite-basalts.

Geology: The airborne magnetic high appears to be centered on a Diorite intrusive.

Most rocks range from highly amygdaloidal basalt-andesite, andesite porphyry (Fp + Hbl) to Tuff and volcanic breccia. The intrusive rocks range from a fine grained sugary diorite to medium grained diorites. There is also abundant float of what appears to be a monzonite. The volcanic rocks are fresh and unaltered - a good example is the Feldspar-Hornblende andesite porphyry in which the hornblende is unaltered. Toward where the fine grained diorite outcrops are found the volcanic rocks seem to take on a more altered appearance with an abundance of greenish chlorite which could be the Hbl altering to chlorite. In any case the Diorite is not well exposed.

Note The Jake claims were staked by Texas Gulf in 67. A grid with 400' lines + 100' stations was laid out apparently over the mag high. A cut base line extends from the "camp swamp" to 6800'E and 1200'W.

N-S lines are over 6000' long - snow conditions on top prevented us from going to the end of the N-S lines. All small creeks draining over the mag high were sampled as well as other creeks in the general area.

On June 8th having finished the assigned target area, the two mag highs to the SW where started with the sampling of the creeks draining through this area and quick examination of the abundant outcrop along the creeks

a very large ^{old} grid was noted ~ 9000' long and chains Bab 150
a good road runs between the creek, but hasn't been used for a couple of years. For P. M. Loun
staked Aug 31/72

This grid dies into the T.G.S. grid at 800'W of Y115 along creek
Y115 is 50'N of 12W 00N on the T.G.S. grid.

sampled in a representative number of the types

CHEMEX LABS LTD.

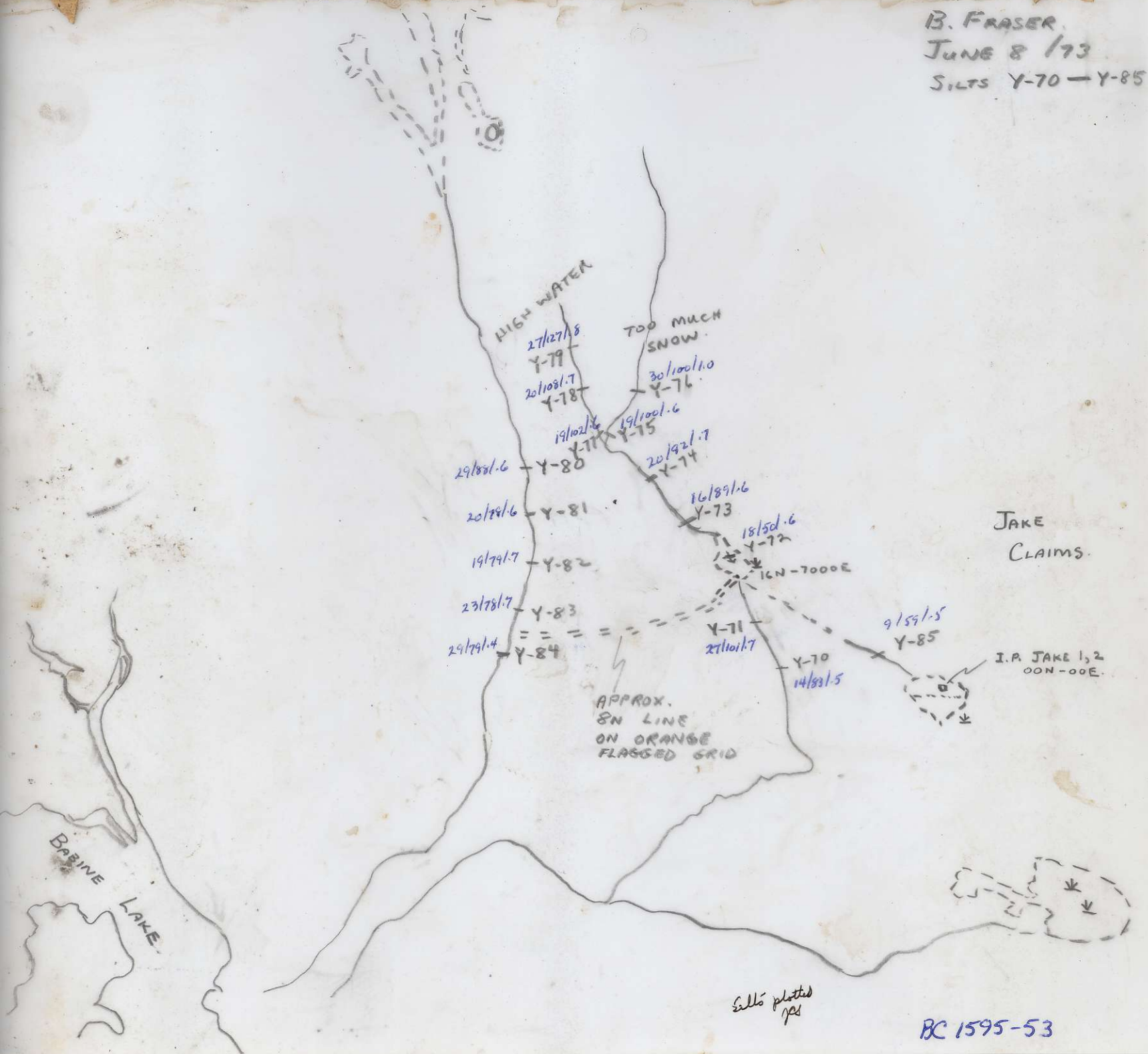
RESEARCH PLOTTED BY

DATE

TIME

DATE

B. FRASER
JUNE 8 / 73
SILTS Y-70 - Y-85



BC 1595-53

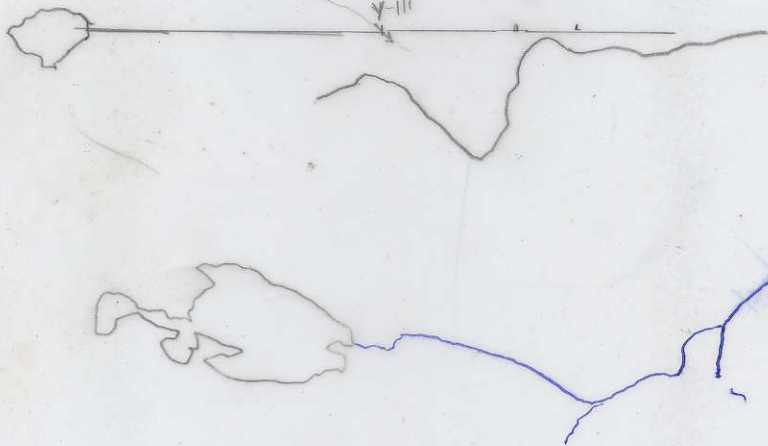


91

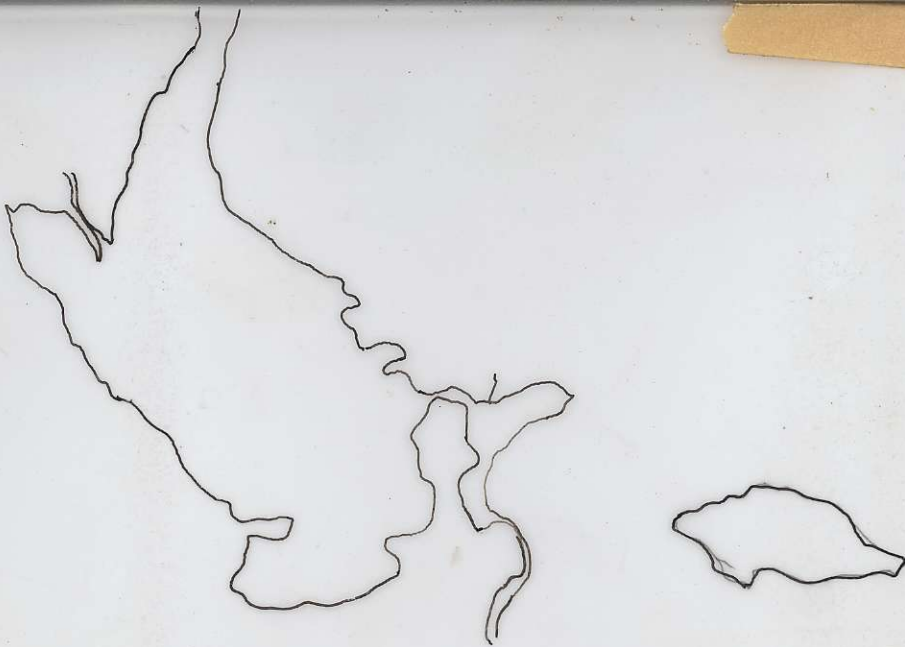
29/801.7

Y-114

Y-111



BL 1592-61

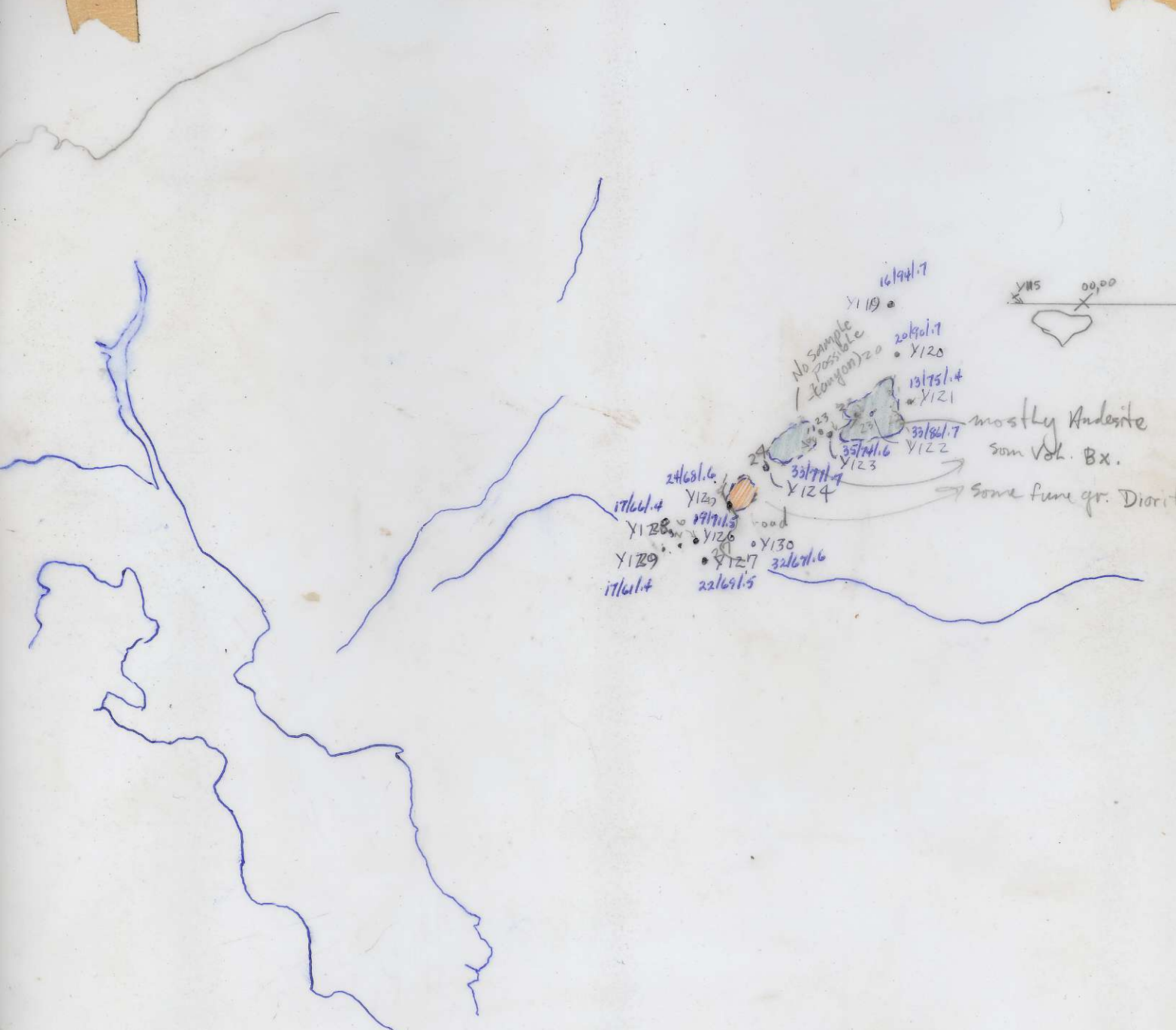


SE 30 N



BC 1592-60

W



161941.7
 Y119
 No sample possible (Kanyon) 20
 201901.7
 Y120
 131751.4
 Y121
 331801.7
 Y122
 351701.6
 Y123
 331711.4
 Y124
 241601.6
 Y125
 171601.4
 Y128
 171601.4
 Y129
 171601.4
 221601.5
 321671.6
 Y127
 Y130
 mostly Andesite
 Some Vol. Bx.
 Some fine gr. Diorite

CHARLIE CAMP 2

JUNE 4/73

BRYAN FRASER

SAMPLE | REMARKS

- Y-36. BN. ORG. CLAY, SILT, 3' WIDE, 3" DEEP, M-SL VEL., MOD GULLY
- Y-37. LT. BN. GRAVEL, SAND, SILT, 6' WIDE, 5" DEEP, MOD VEL., SLIGHT GULLY
- Y-38. BN, ORG., SILT, 1 1/2' WIDE, 3" DEEP, MOD VEL.
- Y-39. BN, SAND, SILT, 5' WIDE, 6" DEEP, MOD-FAST VEL., MOD GULLY
- Y-40. BN, PEA GRAVEL, SAND, SILT, 6' WIDE, 6" DEEP, MOD VEL., MOD GULLY, SEMI-ANG. ANDESITE PEBBLES FOR BED.
- Y-41. BN, SAND, SILT, 2 1/2' WIDE, 6" DEEP, MOD-SF GULLY, MOD VEL.
- Y-42. BN SAND SILT, 6' WIDE, 6" DEEP, MOD VEL., MOD GULLY.
- Y-43. LT. BN SILT (THE BEST!), 7' WIDE, 7" DEEP, MOD GULLY, BROW SLUMP AREA, MICA PLAKES IN CK., MOD VEL.
- Y-44. VERY FINE SAND, SILT, IN AREA OF PREVIOUS FLOODING, SILT AND FLOOD MATERIAL, EXTEND 50' EITHER SIDE OF CK., 6' WIDE, 1' DEEP, (EXCEPT IN FLOODED AREA), MOD VEL.
- Y-45. BN SAND, SILT, 1' WIDE, 3" DEEP, MOD VEL.
- Y-46. BN SAND, SILT, 10' WIDE, 6" DEEP, MOD-SL. VEL., MUCH DEEPER ACTIVITY IN AREA, PREVIOUS FLOODING, MOD GULLY.

JUNE 4/73

BRYAN FRASER

SAMPLE | REMARKS

Y-47

BN. FINE SAND, SILT, 6' WIDE,
8" DEEP, BEAVER ACTIVITY AND
SLUMPING UPSTREAM, MOD VEL.

Y-48

DK BN ORG., SILT, FLOOD AREA,
NEAR BANK, 10' WIDE, 1' DEEP,
SLOW VEL.

Y-49

SAND, SILT, 5' WIDE, 5" DEEP,
SLIGHT GULLY, MOD VEL.

Y-50

SAND, SILT, ORG., 2½' WIDE,
5" DEEP, SLIGHT GULLY, MOD SL.

Y-51

SILT, ORG. (SLIGHT), 6' WIDE,
1½' DEEP, MOD. SL. VEL., MOD.
GULLY.

Y-52

SAND, SILT, 4½' WIDE, 1' DEEP,
MOD-SL VEL., WILLOW SWAMP

June 5/73

SAMPLE REMARKS

- Y-53 ORG. CLAY, SILT, 3' WIDE, 6" DEEP,
MOD - SL. VEL., SWAMPY
- Y-54 ORG. GRAVEL, SAND, SILT, 3' WIDE,
6" DEEP, STEEP GULLY,
SWAMPY, MOD VEL.
- Y-55 GRAVEL, SAND, SILT, 6' WIDE,
3" DEEP, MOD. VEL., STEEP
GULLY.
- Y-56 SAND, SILT, 3' WIDE, 5" DEEP,
MOD. VEL., STEEP GULLY,
- Y-57 SAND, SILT, ORG., 6' WIDE, 3" DEEP,
MOD - SL. VEL., MOD ST. GULLY,
SWAMPY (RAIN-UP)
- Y-58 SILT, CLAY, ORG., 3' WIDE, 3" DEEP,
SWAMP (WILLOW), SLOW VEL.
- Y-59 ORG. CLAY, POOR SAMPLE,
3' WIDE, 10" DEEP, HIGHLY
ORG. SWAMP, MOD ST. GULLY,
MOD - SL. VEL.
- Y-60 SAND, SILT, 2' WIDE, 3" DEEP,
L24E - 19N ON SAKI GRID,
MOD. VEL.
- Y-61 GRAVEL, SAND, SILT, 2' WIDE,
3" DEEP, L24E TOP - 19N
ON SAKI GRID,
MOD. VEL.

JUNE 6 / 73

SAMPLE REMARKS

Y-62 SAND, SILT, 4' WIDE, 4" DEEP,
MOD. VEL., 100' WEST OF OOE
- 10N ON JAKE GRID.

Y-63 SAND, SILT, GRAVEL, 4' WIDE,
4" DEEP, MOD. VEL., 250'
EAST OF OOE - 24N

Y-64 SAND, SILT, PER GRAVEL, 2 1/2'
WIDE, 3" DEEP, BELOW
OUTCROP WHERE RKS 142
TAKEN, N 300' W OF OOE - 34N
MOD. VEL.

JUNE 7 / 73

Y-65 ORG., SAND, SILT, 2' WIDE, 2" DEEP,
RUN-OFF, SNOW-COVERED, M. VEL.
64E - 22.5N ON JAKE GRID.

Y-66 ORG., SAND, SILT, 2 1/2' WIDE,
2" DEEP, RUN-OFF SLIGHT
FULLY 64E - 27.5N, MOD. VEL.

Y-67 GRAVEL, SAND, SILT, 4' WIDE,
5" DEEP, MOD. VEL., RUN-OFF
64E - 38.5N ON JAKE GRID.
SEMI-ANG. ANDESITE COBBLES
AS WELL AS SOME FINE-GRN.
DIORITE RKS (4"-6")

Y-68 GRAVEL, SAND, SILT, 3 1/2' WIDE,
3" DEEP, AND. ANDESITE RKS,
(4"-6"), GRAVEL BED, MOD. VEL.,
WILLOW SWAMP, 64E - 58N

Y-69 SAND, SILT, ORG., 4' WIDE, 8"
DEEP, SNOW-COVERED, MOD. VEL.

50' NORTHWEST OF JAKE 31, 32

FR. JAKE 29, 30

LOCATOR - R. OLSON FOR TAPS 045

JUNE 8 / 73

B. FRASER

SAMPLE	REMARKS
Y-70	GRAVEL, SAND, SILT, 7' WIDE, 1' DEEP, MOD. VEL., SLIGHT HIGH WATER, 50' UPSTREAM FROM RR. # 1 AT A BOAT ON A BOOTE. ON OR. FLAG. EMB.
Y-71	GRAVEL, SAND, 4' WIDE, 1 1/2' DEEP, HIGH WATER, 240' UPSTRM., FROM BN-6700E ON OR. GRID. MOD. VEL.
Y-72	COARSE SAND, SILT, 3 1/2' WIDE, 1' DEEP, MOD. VEL., SWAMP.
Y-73	SAND, SILT, 5 1/2' WIDE, 4" DEEP, MF VEL., SLIGHT HIGH WATER.
Y-74	GRAVEL, SAND, 6' WIDE, 6" DEEP, MF VEL., SLIGHT GULLY.
Y-75	GRAVEL, SAND, 4' WIDE, 6" DEEP, MF VEL., SLIGHT HIGH WATER.
Y-76	GRAVEL, SAND, 4' WIDE, 5' DEEP, MF-VEL., SNOWY BANKS (RUNOFF), SLIGHT GULLY.
Y-77	SAND, SILT, ORG., 3' WIDE, 6" DEEP, MOD. VEL., SLIGHT HIGH WATER.
Y-78	SAND, SILT, ORG., 3' WIDE, 6" DEEP, MOD. VEL., SNOWY BANKS, SLIGHT HIGH WATER.
Y-79	ORG., SAND, SILT, POOR SAM., 2 1/2' WIDE, 3 1/2" DEEP, HIGH WATER (RUN-VE), M-32.
Y-80	GRAVEL, SAND, SILT, 6' WIDE, 5" DEEP, MF VEL., SLIGHT HIGH WATER, SAND, SAND, AND SILT GRAVEL.
Y-81	SAND, SILT, 7' WIDE, 6" DEEP, MF VEL., MOD. GULLY.

JUNE 8 / 73

B. FRASER

SAMPLE

REMARKS

Y-82

SAND, SILT, 6 1/2' WIDE, 7" DEEP
MOD. VEL., REL. FLAT AREA
SUB-RNDD. ANDES. GRAV. BED

Y-83

GRAVEL SAND SILT 8' WIDE
7" DEEP, MOD VEL., SMALL
MUDST. GULLY
APPROX. 100' NORTH
OF 16N - 2400E.

Y-84

SAND, SILT, 7' WIDE, 4" DEEP
MOD. VEL., POSSIBLE CONJ
TAMINATION 300' W UP
LOGGING RD. APPROX. 250'
SOUTH OF 8N - 1800E.

Y-85

SAND, SILT, ORG., 3' WIDE
4" DEEP, SWAMP, MOD. VEL.
APPROX 00N - 9550E ON
OR. PLAF. SAID.

June 8th / 1973 Thursday J. Shearer
CAMP Charlie

East of Morrison Lk
on Mag High

T.G.S. Jake property

Air Photo # - 1595-54

① 400' otop - large otop
of Vole Breccia
with Andesite porph phases

at 1800' on west Traverse from Base Line
+1200' from 00

Non Mag

② Y-119 - 2500' from 12W ON
at large creek - Flooding
hard to find a good sample &
008° stream direction

③ Y-120 1000' downstream
350° Flooded creek

Y-120 + 800' - chow hune
running E-W
cuts creek

④ ~~Y-121 - 060°~~

⑤ ~~Y-121 + 400'~~

Large otop of in creek
Andesite - canyon.

SA-73-C-6-8-①

otop trending ~ 200°

Tuffaceous - Breccia appearance
Large red blocky frags.

CAMP #2

① Y-122 - still in R. canyon
>1000' of continuous top
mainly Andesite and
similar variants

⑦ 123 + 300' - bed of Rhyolite

⑧ Y124 - 1800' from 123

at end of large canyon of
rock

- mostly Andesites

- but may be some fine grained
diorites

13-C-6-8-③

Some Vole Breccia.

⑨ 400' down from 124
down line trending
N-S.

Claim post on Line

⑩ FP Bab 148

IP Bab 150

P Milburn Aug 31/72

⑪ 400' + 125 - Vole Bx
Very large slip

June 8th/73

(12) - road crosses creek
800' s of 125

June 17th / 73 Thursday
4th day

J. SHEARER
CAMP Charlie

East of Morrison Lake
on Mag. high
on TGS Lake Property

Air Photo # BC 1592 : 60

① 52E N

- Medium - coarse grained

Diorite

- Angular Blocks
of Float?

- magnetic

SA# - 73-5-6-7-①

② 52E 9N

- Amygdales Andesite
Float

③ 52E 13N

- Medium → Fine grain

Dark Diorite

Large Block of Float

Magnetic

73-5-6-7-②

④ 52E 17N

Y-116

good sample
small creek

⑤ 52E 19N

Y-117

poorer sample
very small creek

52 E 30N + 500' NW

- Andesite - porphyritic
with what looks like altered
Hbl trch.

BF-73-6-7-①

- ① Andesite - green
- ② Rhyolite - Dacite
- ③ Andesite
 - some Hbl masses
 - streaky green - brown
- ④ Amyg^{Hbl} - Andesite - Tuff
Fragmental appearance
altered Hbl xls
fragments + Amygdules
- ⑤ Andesite
Tuffaceous appearance
- ⑥ Andesite - Basalt?
Aphanitic
- ⑦ Andesite
- ⑧ Volcanic Breccia
largest frags $\leq 1''$
- ⑨ Hbl - Fp porph Andesite.
- ⑩ Amyg - Fp Andesite porph

June 6th/73
3rd day

J. Shearer
Wednesday CAMP Charlie

EAST of Morrison Lake
on Mag High

on T.G.S. Jake Property

cut Base Line extended west
for 1200'

stations every 100'
400' Lines going North

Air Photo - BC 1595:53, 54
BC 1592:60, 61

Y-115 - 260°, 12W IN,

BF SAMPLES

73-6-6 - ①

- Hbl? Andesite - Dacite
- fine grained grey Aphanitic RX.
Strongly magnetic

② Amygdaloidal Andesite
Very fine Amygnals magnetic

③ Andesite Porphyry
small xls of Ep in dark aphanitic
groundmass
- some xls are rounded
stannite staining
magnetic

④ Andesite - Tuff?
reddish-brown groundmass with
greenish inclusions.
magnetic

⑤ Amyg Basalt.
Amyg - cal + chl non-mag
porph groundmass.

⑥ Hbl Andesite
- abundant Hbl phenos.
Magnetic

⑦ Amggd. Andesite porphyry

Phenos of Fp
slightly magnetic

⑧ H6L - Fp Andesite porphyry
Magnetic.

⑨ And porph
- small Fp xls
magnetic

June 5th/73 Tuesday d. Shearer
stroke 2nd day CAMP Charlie

EAST OF Morrison Lake
on MAG HIGH
on T.G.S. Lake property

E. on cut base line To 6000', Then N. along
Blazed line

Air photo # - BC-1592 60, 61

Y-114 - large gully, small creek
290° 60E-7N

Grid 400' Lines
100' stations

56E30N

48E33N

① 60E 7N

- Andesite Tuff

- strongly magnetic
min of magnetite & py

- Probably
float

73-5-6-5-①

② 48E 37N -

Red Tuff

weakly magnetic
min of py

Abundant chert pseudomorphous after
H₂O

49E38N

44E 41N - creek - organic -

③ 44E 41.5N top of
Angry Andesite Tuff
'chL' - rounded Fp X2Ls

Non magnetic
stone py

④ 44E 43N very large step
of same as ③

73-5-6-5-(3)

40E34N

MOOSE on Path

⑤ 40E 34N 200' SW

Large step of — Huge, Large
Andesite Tuff step TALS slope

⑥ 36E 36N

HbL Andesite -

SAMPLE Large step

⑦ 24E 37 And HbL

⑧ 24E 37 N And porph

BF SAMPLES

① - Angry Andesite
② HbL-Fp Andesite Porph

June 4th / 173 Monday J. SHEARER
1st day CAMP Charlic

East of Morrison Lake
on Mag High
ON T.G.S. Lake property

Rain Air Photo # - BC 1592:60, 61

① claim post located on NE
corner of swamp (Carnp swamp)
Initial Lake Base #2

cut a line trending 90° from claim P.
stations on 100' spacing
claim lines trending 360°

- ② Blazed Line N. at 2000'
- ③ Blazed Line N. at 4000'
- ④ 4200' - creek
Y-111 340°

⑤ 1700' - 44E 1700' N float?
Med. grained tectonite Diorite
strongly magnetic
- No Qtz minor pu
- Plag talcs minor mag
- light brown micaceous some chaled?

C-73-6-4-①

⑥ 2250' - 44E 2250' N
small ofcp
Red Ep porph And-Tuff Porph
very poor exposure

C-73-6-4-②

⑦ 2800 - 44E - 28 N Non-magnetic
And-Tuff - Porph

Fp phenocrysts are rounded
and broken - i.e. Tuff

Typical Andesite ground mass

⑧ - certain otcp -

Medium grained melanocratic

Diorite

44E, 30N + 500' NW

Magnetic

73-C-6-4-③

⑨ 900 - W -

And-Tuff porph

73-C-6-4-④

⑩

Hbb - Tuff

phenocr of HBL

73-C-6-4-⑤

⑪ And-Tuff Porph

Very Large otcp

~ 1000 ft & interminant otcp
of And-Tuff Porph