

Camp Alpha #1.  
BREE REPORT - FOWLER + ZANATTA.

Dates: June 12, 1973; June 15-17; June 27 - July 4/73.

LOCATION: Turkey Mountain, Lat.  $55^{\circ} 1' N$ , Long.  $126^{\circ} 25' W$ .

AIR PHOTOS: BC 5300: 176, 175, 258, 259.

SILTS: W-203 to W-237; W-7 to W-33.

SOILS: A-210-218; A-7, 8.

AB 05, OE-68E; AB 285, OE-84E.

(AB along claim lines, every 400.)

MINERALIZATION: Disseminated pyrite in fine-grained Andesite with minor localized chalco. in calcite veins. Mineralization occurs mainly ~~at~~ <sup>along</sup> contacts between andesite and limey chert. Silt W-221 is considered indicative of this, reading 61 ppm Cu.

BFP, MONZONITE, + BASALT PORPHYRY exhibit NO Mineralization.

GEOLOGY:

6 MAIN ROCK TYPES:

- 1) Chert - cryptocrystalline varieties of silica composed mainly of microscopic quartz particles. Light green colour, highly fractured with calcite veins.
- 2) Limestone - light greyish colour, occurs distributed with chert, sometimes indistinguishable. In some places limestone grades into marble (SF-73-7-3-2) probably caused by overlying volcanics.
- 3) Monzonite - feldspar phenocrysts in fine-

grained matrix of partially chloritized amphiboles and biotite.

4) Volcanics - dark green (andesite), probably grading into purple volcanics, and breccia on edges of flow. Localized alterations to green schist.

5) BFP - Highly magnetic with large phenocrysts of pyroxene. Not mineralized, ~~is~~ and poorly fractured (like Hol Group main intrusive). Two directions of fracturing observed in different locations, strike  $340^\circ$  - dip  $90^\circ$  (see #2-map) and strike  $56^\circ$  - dip  $63^\circ$  to NW (see #3-map) with a uniform thin spacing, approx. 2 in. apart.

6) BASALT: porphyry plagioclase in dark matrix composed mainly of pyroxenes + amphiboles. Not mineralized, with 2 joint directions, (i) strike  $68^\circ$  - dip  $74^\circ$ , 2' separation (52-73-7-1-5) and (ii) strike  $360^\circ$  - dip  $90^\circ$ , 6" separation.

AGE RELATIONSHIPS - Chert and limestone <sup>are the</sup> oldest; Monzonite age relationship to chert and limestone unknown, but monzonite older than Volcanics, which overly & occasionally include (in breccia) monzonite. These were intruded by BFP and Basalt intrusives, ~~Age~~ probably contemporaneously, though BFP and Basalt age relationship unknown.

CONTACTS: Only observed contacts occur (at 0 on map) between chert and limestone, and limestone and andesite. Chert-limestone contact striking  $36^\circ$  dipping to NW. Limestone-andesite contact striking  $90^\circ$  dipping  $50^\circ$  to East. These were affected by a small <sup>normal</sup> fault, striking  $120^\circ$  and dipping  $90^\circ$ . A large fault striking

22° dipping 72° E runs parallel to the creek (still see  
⊙ on map) obscuring the lower layers on the West side.

INFERRED CONTACTS: see map.#5.

MAG ANOMALY: Probably due to BFP Intrusion.

MISCELLANEOUS: Soils A-7 + A-8 are located in  
an unusually circular surface feature that  
is easily visible in air photo, due to change  
in vegetation (circular pine forest.)

LIST OF MAPS

- 1) BAE CLAIM GROUP
- 2) Geochem
- 3) Soils - AB.
- 4) Soils (A) and Silts (w)
- 5) Geology.

MAP N<sup>o</sup> 1

BABINE  
LAKE



BREE 1	BREE 3	BREE 5	BREE 7	BREE 9	BREE 11
260622	260624	260626	260628	260630	260632
M	M	M	M	M	M
BREE 2	BREE 4	BREE 6	BREE 8	BREE 10	BREE 12
260623	260625	260627	260629	260631	260633
M	M	M	M	M	M
BREE 13	BREE 15	BREE 17	BREE 19	BREE 21	BREE 23
260634	260636	260638	260640	260642	260644
M	M	M	M	M	M
BREE 14	BREE 16	BREE 18	BREE 20	BREE 22	BREE 24
260635	260637	260639	260641	260643	260645
M	M	M	M	M	M

BREE 1-12, STAKED JUNE 16, 1973.

BREE 13-24, " JUNE 17, 1973.

CLAIM LINES RUN EAST.

LOCATOR: J. ZANATTA

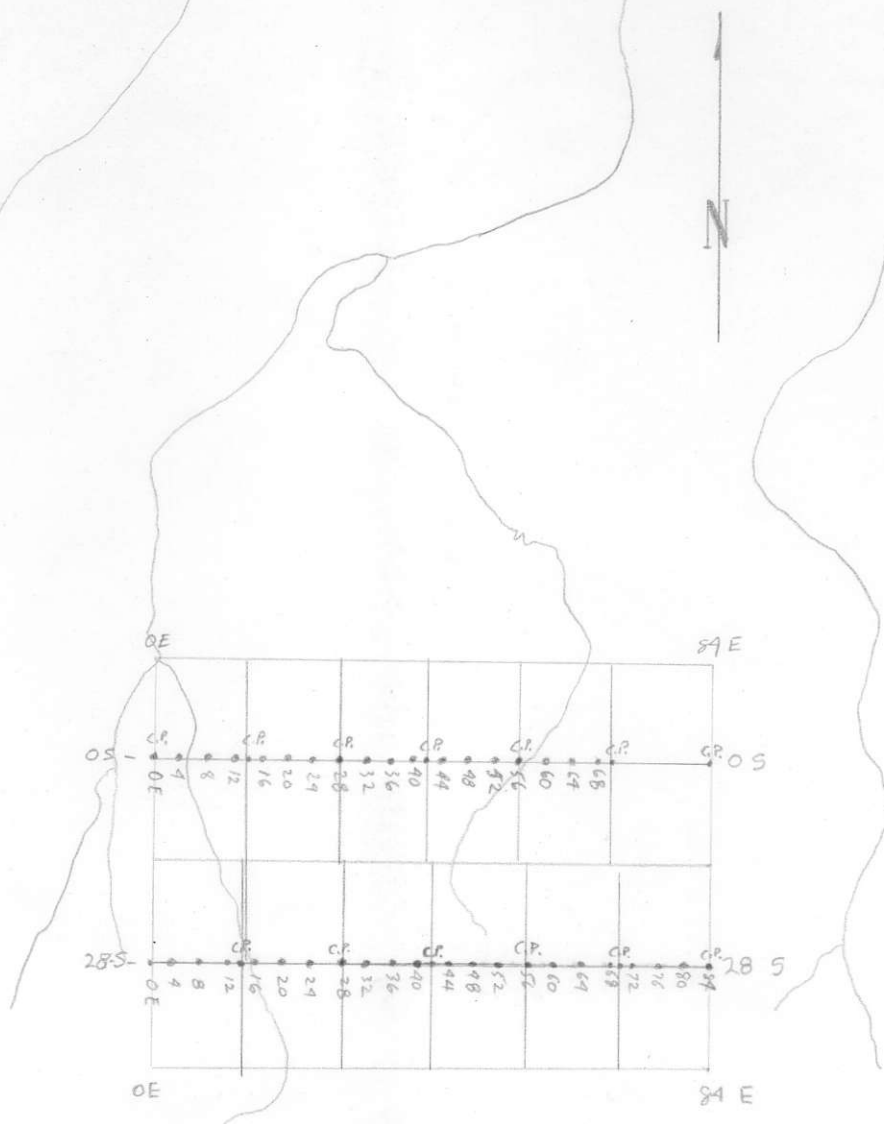
CAMP: ALPHA

MAP N°2



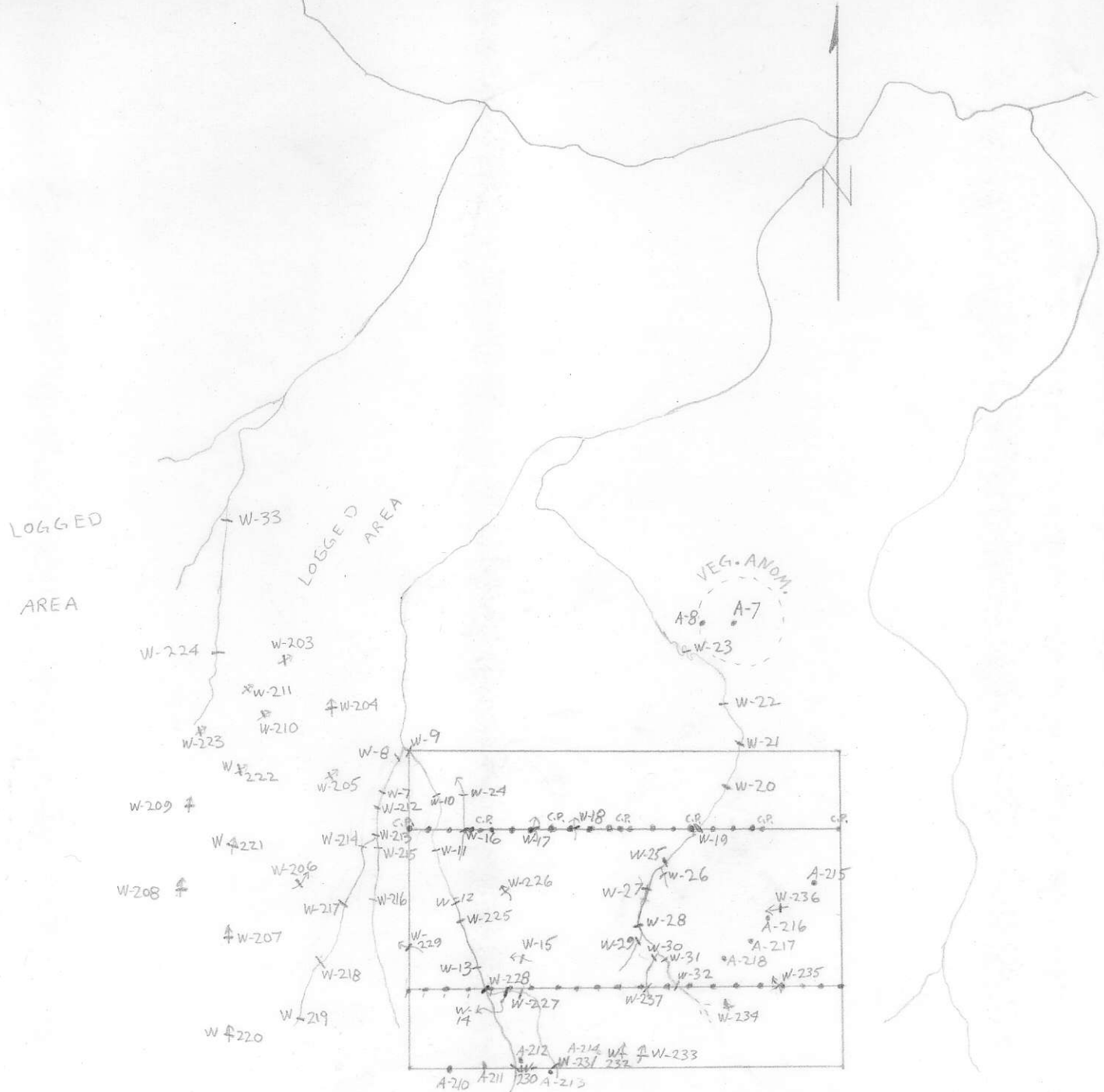
Геоснем

MAP N° 3



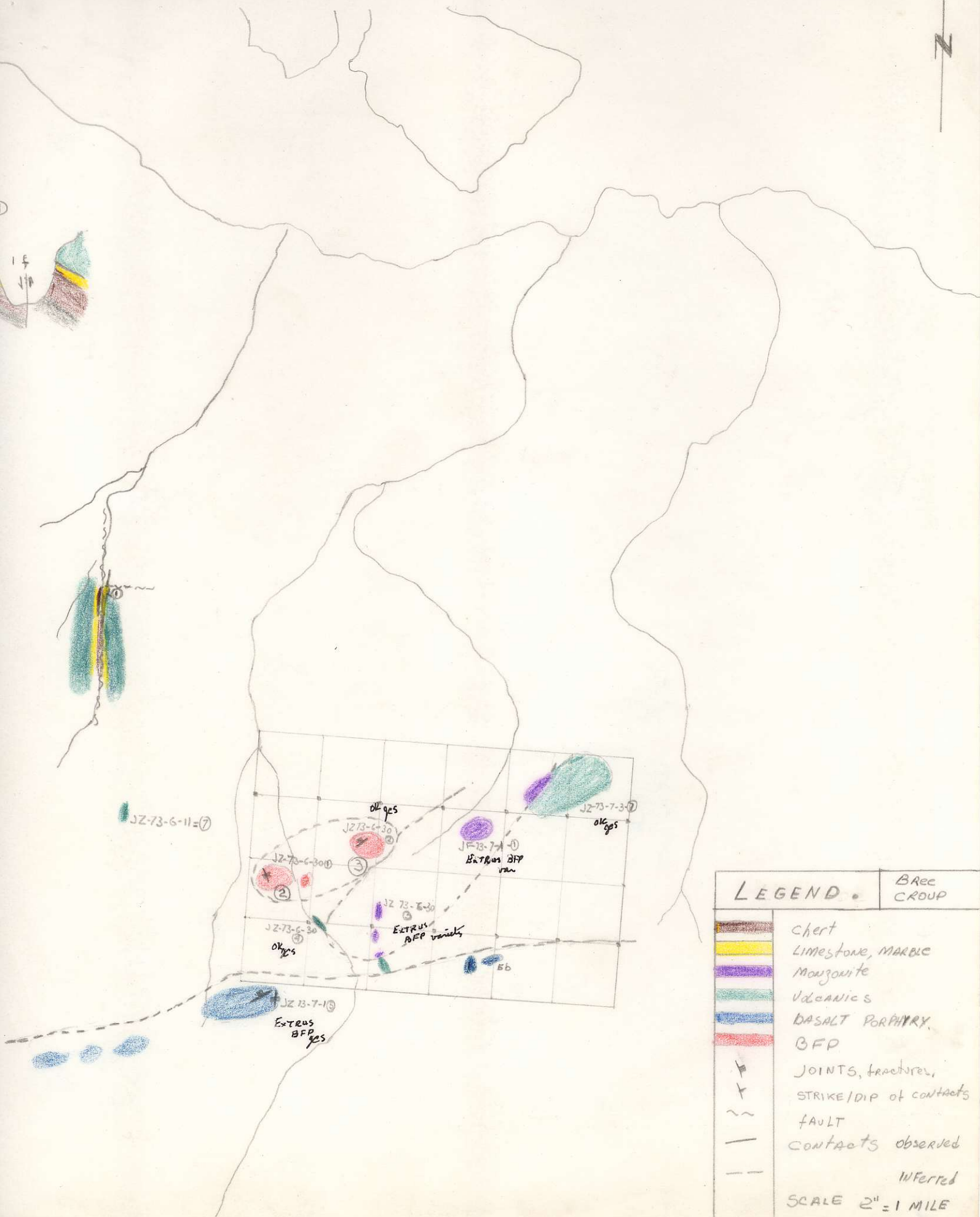
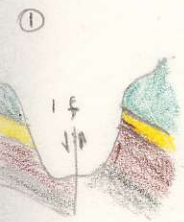
• SOILS AB - ALPHA-BREE.  
 LINES 28 S, OS.  
 STATIONS EVERY 400', OE TO  
 68E AND OE TO 89E.  
 C.P. - CLAIM POST

# MAP N<sup>o</sup> 4



- SOIL SAMPLE
- SILT SAMPLE
- CLAIM POST (C.P.)

MAP NR 5



LEGEND.		BREC GROUP
	Chert	
	Limestone, MARBLE	
	Monzonite	
	Volcanics	
	DASALT PORPHYRY	
	BFP	
	JOINTS, fractures,	
	STRIKE/DIP of contacts	
	FAULT	
	CONTACTS observed	
	INFERRED	
SCALE 2" = 1 MILE		