

Report on Frozen Lake: west of Griz claims.

July 27 - Aug 2/61

Introduction: Frozen Lake is a large lake on the western claim line of Griz 3. The purpose of this camp was to stake the Griz 3 claim group and to prospect a ~~ridge~~ to the northwest ~~of~~ which was ~~of interest because of the pre~~ part of the ^{same large} quartz feldspar porphyry body in which ^{galena, sphal} mineralization was previously found, ~~farther to the southeast.~~

The area consists of a large quartz feldspar porphyry intrusion which is in fault contact with the Takwahoni Formation sediments of the Laberge Group.

Camp was located on a small lake southwest of Frozen Lake at about 5000'. ~~Water Access~~, Water and Shelter were excellent and access ~~was~~ ^{is} by helicopter.

NB Sample ^{sheets} ~~numbers~~ with Griz report.

Prospecting and Geology:

Unfortunately, the ~~proposed~~ ^{entire} 20 unit GRIZ 3 claim group could not be staked due to the presence of the Chevron EMU claim group. The LCP of the EMU ~~claims~~ ^{group} was located at 3.5N on Griz 3 and read as follows:

69709
EMU
T.K. Zanger
210305

Chevron Canada Ltd.

197179
July 11, 1981
10:30 am
July 13 /81

The LCP of the Griz 3 group had the following inscribed on it:

72386
GRIZ 3
J. Pautler
209888
J.C. Stephen Exploration
210092

July 28/81
8:00 am
July 29/81
6:00 pm.
N 4 W 3

while staking^{Griz 3}, an angular piece of garnet & biotite float ~~was found~~ with abundant pyrite was found ~~at~~ ~~near~~ ~~just~~ ~~north~~ near the 3N, 3W post. However, despite an intensive search around Frozen Lake, the source was not found. Samples around Frozen Lake are included on the Griz 3 air photo.

~~The ridge~~

A ridge to the northwest of Frozen Lake was investigated. Numerous rusty red-yellow zones of bleached, aphanitic quartz feldspar porphyry with py and marcasite? mineralization were evident. The zones varied from 30 cm to several metres wide and from a few metres to ~~10~~ tens of metres long. ^{The} Mineralization was ~~at~~ on fracture surfaces and disseminated throughout the rock. Samples 77495B and 67711B are good examples. The ridge contains

~~The~~ The ~~at~~ intrusive / sedimentary contact is exposed near the top of the ridge. It is very irregular and does not appear to be a fault contact as is shown on the GSC map. ^{The contact was also evident in the creek upstream from the ridge.} Bitumen was found on the rocks in this area as well as ~~those~~ on the Griz claims.

Conclusion: The ^{large} quartz feldspar porphyry body ~~in~~ ~~this general area~~ appears to be highly mineralized. Galena - sphalerite - Azurite were found on the Griz 3 claims ^{as well as several} ~~and~~ minor galena - sphalerite ~~zones~~ zones on the Griz 2 gyp. Pyrite is ~~also~~ abundant in localized areas and marcasite ^{was found} ~~was~~ on the above mentioned ridge. Silicified ~~zones~~ zones are also abundant. Thus, this intrusive body appears to be very promising. It is possible that the major fault shown by the GSC is present, (as it seems to be along parts of the intrusive / sedimentary contact), and small fault / shear zones are ~~local~~ responsible for localizing the mineralization.

NB

GRIZ 3 - EMU

B34 (320, 390)

(0, 225, 0.1) BT II.2
410, 795, 0.1) BT II.2
(-10, 500, 0.1) 77495
(-10, 73, 0.1) BT-III
BT II.2 (-10, 73, 0.1) (210 Zn)

(-10, 30, 0.1) 7748
(-10, 385, 0.1) 7749
(-12, 0.1) Y5
(-6, 0.1) B59
(-29, 0.1) B60
(-7, 0.1) B61

(-10, 0.1) B108

Frozen Lake

(-10, -0.1) B318
(-9, 0.1) 27879
(-10, -0.1) B315
(-10, -0.1) B314
(-10, -0.1) B313
(-10, -0.1) B312
(-10, -0.1) B311

(30, 85, 0.2) 77457
B324 (20, -0.2)
(-24, 0.1) BT 49
B50 (460, 0.6)
(20, -0.3) B325
B51 (-35, 0.1)
(10, -0.1) B323
BT 48 (25, 0.1)
77454 (-10, 3, 0.1)
77455 (10, 2, 0.1)
77456 (10, 7, 0.1)
(-17, 0.1) B45
B44 (-11, 0.1)
BT 10
B39 (-, 2)
(-15, 0.1) B43

(-48, 0.1) 43
(-4, 0.1) B19
(-, 4, 0.1) B20

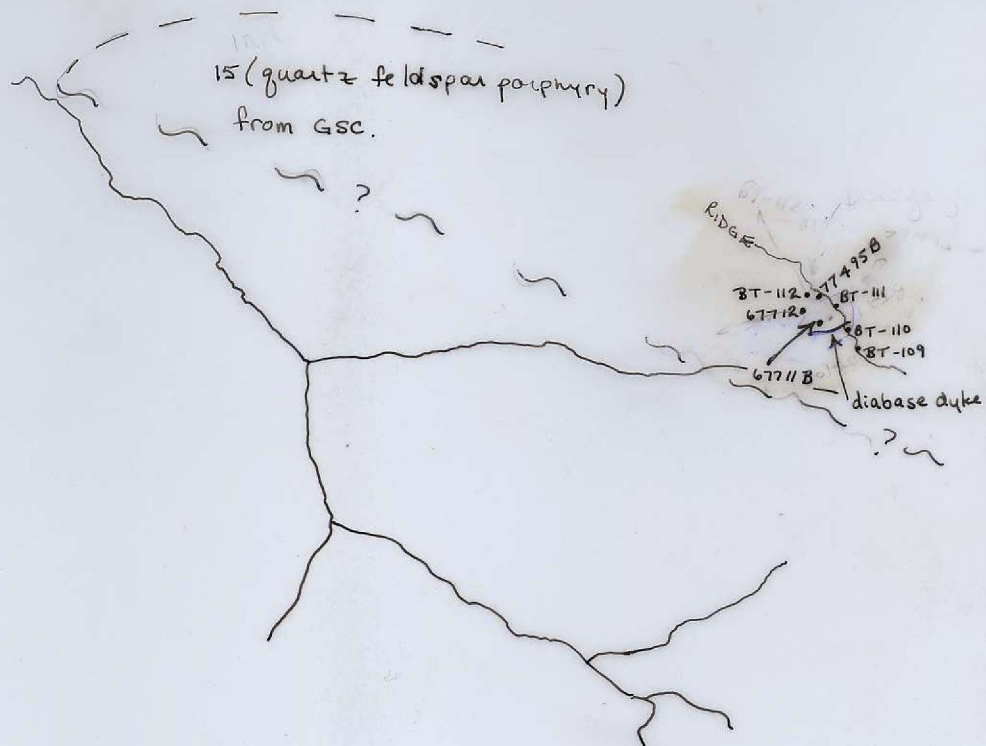
(-17, 0.1) B45
B44 (-11, 0.1)
BT 10
B39 (-, 2)
(-15, 0.1) B43

B321 (-, 2)
B322 (-10, 0.1)

B326 (-10, -0.2)
(-10, -0.1) B329
B327 (-10, -0.1)

27887

B328



104 K. 10
J.C. STEPHEN EXPL.
NEWEX
FROZEN LAKE
GEOCHEM.

BC 5614 078 1" = 1/2 mi
JULY, 1981 BRAVO

FIG 1



104 K. 10
J.C. STEPHEN EXPL.
NEW EX
FROZEN LAKE
GEOLOGY
BC 5614 073 1" = 1/2 mi
JULY, 1981 BRAVO

FIG 2