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J.C. STEPHEN EXPLORATIONS LTD.

WEEKLY CAMP REPORT

PROJECT Newex CAMP NAME BRAVO

NTS MAP SHEET 104 N/ DATES AUG 17-20/81

AIR PHOTOS BC 5617 281 LAT. & LONG. 59°15'N 133°00'W

SILT SAMPLE SERIES 81-NX-4-6 to 17

TALUS SOIL SAMPLE SERIES 81-NX-B-141-157

ROCK SPECIMEN NUMBERS 25728-25740 C
67722-67731 B

Report on Ruth Lake Prospecting Area AUG 17-20/81

Introduction: The Ruth Lake prospecting area is located approximately 3-4 kms. West of Ruth Lake which is 50 kms southeast of ATLIN B.C. The area was of interest due to the similarity in geology to the ATLIN placer area and the possibility of old workings in a rusty cirque here.

Camp was located on a small lake within the rusty cirque in which the old workings were thought to exist. Water was obtained from a creek flowing out of the lake. The area around camp was fairly flat providing good helicopter access. There are few trees and those that exist are not long enough for a ridge pole!

Two rock cairns were found above the rusty cirque. The larger of the two had two claim tags at its base which read as follows:

INITIAL POST
35886

FINAL POST
35886.

There was also a note in the larger rock cairn which read: 7th JUNE, 1972 OUT of GAS with HELICOPTER. FROM ATLIN to TRAPPER LAKE CF/VUB

Percy Spiers.

Prospecting and Geology:

Regionally, the geology consists of serpentinized and skatitized peridotites which intrude argillaceous sediments and greenstones of the Cache Creek Sequence. A felsic intrusion is present to the south of this area. Quartz veins were common in the peridotite, greenstone and felsic intrusive rocks. The quartz was milky white, clear and rusty, and in places drusy and vuggy. In the large cirque northwest of camp, the veins had definite east-west trends and were vertical. The greenstone commonly had small quartz veins ~~=~~ cutting it and was pervasively silicified. Those veins in the intrusive body were not restricted to the sediment / intrusive contact. The geology is displayed in Fig 1.

The quartz veins were extensively sampled as were the drainage systems especially around the rusty cirque. Samples were also taken from the neighbouring cirques and the felsic intrusion to the south. Sample locations are plotted on FIG 2.

No evidence of old workings were found during our stay (except for the rock cairns already mentioned), despite an extensive search of the rusty cirque.

Conclusion: Further work, if ~~a~~ anomalous results are ~~favourable~~, would involve further prospecting of the area to determine the frequency and extent of the quartz veins.

RUTH LAKE

25728 C Sheared alt vol - vuggy qtz zone with py cpy?
crystalline

25729 C Dark gray sugary black + white silic sed?? White qtz vein

25730 C Black crystalline qtz - white sugary qtz veining

25731 C Glassy + sugary qtz with remnants silic vol

25732 C Dark grey silic cherty sed, white qtz vein crystalline + vuggy
Minor rusty fractures.

25733 C Dark grey fg silic cherty sed? minor rust

25734 C Iron carbonate? white qtz + qtz carb generally finely crystalline. Yellow brown limonite + fine black material

25735 C Generally similar to 733 C Very little very fine py?

25736 C Rusty glassy white qtz Crystal lined cavities.
Corroded py? cpy? Hexagonal cavity - flat

25737 C Similar to 736 C - corroded rusty material in cavities

25738C Brown granular crystalline qtz.

25739 C White qtz vein - little mica, pyrr + cpy.

25740 Glassy rusty qtz. some fract.

6 7722 B Pale grey green fg. siliceous rock.

723 B Black silic sed? fg, white qtz veining - Rust on fine open fract, qtz crystalline.

724 B Grey silic sed? as 733 + 735 C Scattered small black cubic cavities.

725 B Similar to 724 B.

726 B White quartz - somewhat glassy.

727 B " " "

728 B " " " vuggy fracts

729 B Angular sharp frag andesite + grey green fg silic material + white qtz

730 B White qtz - glassy - rusty weathering Crystalline

731 B Dark green to black, ultrabasic altered to light olive green cut by silic zones + crystalline white qtz veins