

J.C. STEPHEN EXPL. LTD

## Newex Syndicate - Yeth Creek Bend Prospecting

**Introduction:** The Yeth Creek Bend prospecting area is located approximately 120 km south east of Atlin, B.C. on the Yeth Creek. Access was by helicopter from Atlin and camp was set up on a large alluvial flood plain of the Yeth creek. The target area was picked for the coincidence of Placer claims in the area, the resistant spines of rusty weathering outcrop and the wish to investigate the intersection of a Landsat southeast linear and an arc shaped structure.

**Geology:** Regional geology of the area is ultrabasic intrusives bordered by sediments to the south and cut by major northwest trending faults (Tulsequah GSC map sheet).

Inspection of the rusty weathering resistant spines showed that they varied in composition from:

- 1) Ultrabasics of serpentinite and peridotite cut by numerous Qtz. carbonate veins up to  $\frac{1}{2}$  metre in thickness, with areas of calcite mineralization and abundant clear to white quartz stockwork (miner scale).
- 2) Extremely silicious, white aphanitic rock (identification uncertain) composed dominantly of silica and showed evidence of various stages of silicification in the form of silica coating over botryoidal cavities. (~~Vugs of botryoidal silica coated with later stage silica.~~)

No mineralization was seen to occur anywhere on the two resistant ridges. Slickensides seen on the outcrops indicated the presence of a northwest trending fault within the area, and

quartz veining appeared to run in this general direction.

Geochemistry: Rock samples were taken in various locations generally concentrating on the quartz veining. On the western west spine outcrop of a medium grained diorite intrusive was noted to be in contact with the ultrabasic and one rock sample and soil sample was taken in the area.