

AUGUST 3 1981

CAMP GAMMA

670085

LAT. 59°27'N LONG. 133°30'W

NTS 104N/5E, 6W

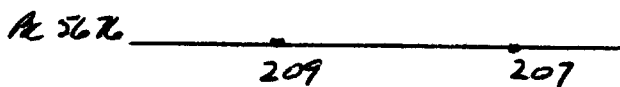
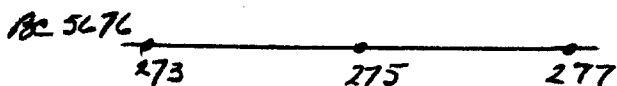
APPROX DECLINATION 31°E

MCKEE CREEK IS A PLACER CREEK WHICH, IT IS SAID, HAS PRODUCED 10% OF ATLIN DISTRICT PLACER GOLD. DUPONT DID SOME DRILLING ^{NEAR} ~~AT~~ THE MOUTH OF ELDORADO CREEK ON "TALCOSE AND QUARTZOSE SHEAR ZONES ... MINERALIZED WITH PYRITE AND ARSENOPYRITE"

ELDORADO CREEK HAS ITS SOURCE IN A LARGE CIRQUE WITHIN CACHE CREEK (PERMIAN) VOLCANICS AND SEDIMENTS WHICH ARE INTRUDED BY ATLIN INTRUSIONS - SERPENTINITES ETC. FROM AIR RECONNAISSANCE THERE ARE MORE INTRUSIVES THAN SHOW ON THE MAP. THERE IS ALSO SOME PECULIAR RED TO PURPLE COLOR POSSIBLY DUE TO HEMATITE WHICH MIGHT INDICATE JASPER OR CHERT.

ZONES OF CHEMICAL SEDIMENTS, SILICIFICATION, PYRITE, CHLORITIC SHEARING ETC SHOULD BE ROCK GEOCHEM SAMPLED. TALUS SAMPLE SLOPES DIFFICULT TO PROSPECT. MAP THE GENERAL GEOLOGY AT 1" - 1/2 MILE.

AVOID ANY PANNING ON PLACER CLAIMS - OUR MAP MAY NOT BE UP TO DATE.



GAMMA

AUGUST 9/81

PROSPECT AREA ^{NORTH OF ELDOORADO}
~~SPRUCE - DOMINION CREEKS.~~

MAP 104 N/11 W, 12E LAT 59° 01' N; Long 133° ~~24~~³⁵ W.

The unnamed creek east of the head of McKee Creek and west of Rose Creek - Spruce Creek junction was silt sampled by camp Charlie as part of the Spruce - Wilson Creek area. As shown on the sketch three consecutive silt samples ran 10 ppb gold. Of the other silt and soil samples taken in that target area three ran 10 ppb two ran 20 ppb and one ran 1780 ppb Au. This group of three may be significant in spite of the low values. The geology map shows an anticlinal structure with Cash Creek sediments flanked by volcanics. No serpentines are shown. (Todd Creek northwest of Tintinnum Mtns carries placer gold and drains roughly similar geology).

Recent staking has taken place on Dominion Creek as shown on the sketch (SUSAN 1-3 claims) Claims had formerly been staked north of the mouth of Eldorado Cr.

On a photo BC 5677-037 strong north south linear structures are shown.

Would like you to prospect the linear features, the contact zones around the small ultrabasics and the limestones south of Union Hts. Silt sample significant streams by taking relatively large samples of active stream sediment - throw out pebbles if possible but avoid getting only the finest of clay or silt from back eddies. ^{1/23/11 OF ELD}

Watch for zones of buff rusty iron carbonates with silicification or quartz veining and green mariposite alteration. Check limy looking rocks with HCl for possible silicification.

We have no data to indicate there have been any lode mineral showings in this area but see claim map

Rock geochem any quartz veining, mariposite alteration, silicification bleaching or sulphide mineralization etc. Note the crown granted lots (old claims) are in relatively low ground. Creeks are staked for placer.

You will be cramped for space between W. Kee Creek and existing claims on Union Hts but do a careful job - Don't get shot by placer miners or picked up as hitch hikers.

Cam

Aug 18 1981

Camp Gamma.

Those were damn interesting rocks from Eldorado Creek and I hope some gold shows up in the geochem. I am particularly interested in the red jasper like material - mainly because red jasper beds occur with the massive sulphide horizons at Western Mines on Vancouver Island so I'm always looking for it.

I don't know how much time you had but would like to have had possibly two lines of talus samples at about 150 metre intervals on contours around the north side of that cirque as well. We'll have to try to get a camp established east of the cirque to do that and do some check sampling on the east slopes where previous work by Camp Charlie showed anomalous arsenic.

The new camp above Palmer Lake is to carry on with rock geochem and mapping along the same stratigraphy. No ultra basics are shown on the 4 mile map but I suspect some exist. Your three camps will compliment camp Charlie's regional work in a concentrated area - geochem investigation of Cache Creek volcanics with ultrabasics, sediments with ultrabasics and combined volcanics and sediments without ultrabasics. We think the ultrabasics have some genetic relationship to the gold deposition. We need some sort of key

to the geochemistry of the areas carrying gold.

Jean will join your camp. Her last camp at Chikoida Mtn has very similar geology and I hope she can sort out differences or similarities in the two areas.

Whatever the blue ink on the paint strips on rock specimens - try to use something better it fades right away and some were only barely legible under a magnifying glass.

Would like to have fairly extensive talus sampling on contours so long as you are above glacial material.

Cam