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J.C. STEPHEN
EXPLORATIONS LTD.

WEEKLY CAMP REPORT

PROJECT NX SYNDICATE CAMP NAME GAMMA
("NORTH OF ELDORADO CREEK")

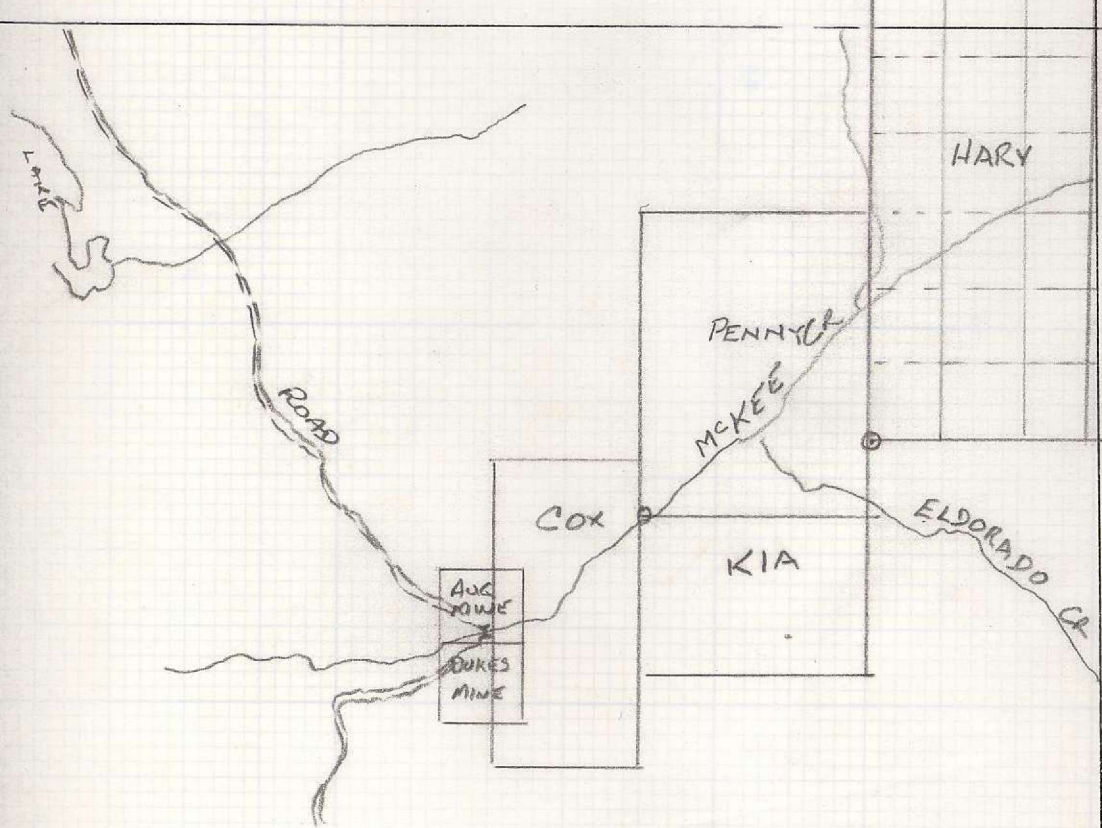
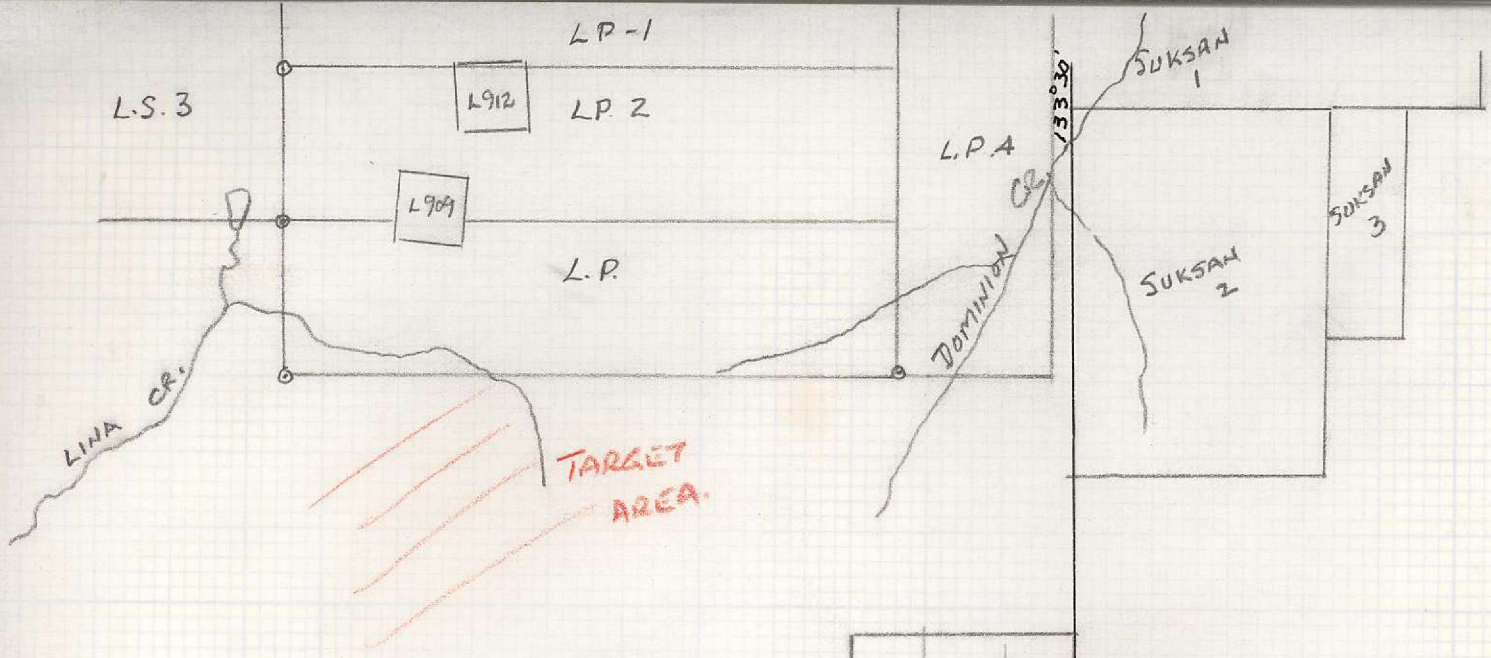
NTS MAP SHEET 104N/11W, 12E DATES AUGUST 14th to 21 1981

AIR PHOTOS BC 5677-037 LAT. & LONG. 59° 01' N , 133° 35' W

SILT SAMPLE SERIES NXT 8 to 11
NXT 101 to 107

SOIL SAMPLE SERIES NXG 1 to 26
NXG 105 to 116

ROCK SPECIMEN NUMBERS 27627c to 27631c
28214B to 28217B



GAMMA
 LINA CREEK AREA
 CLAIMS AS OF AUG 10/81

GAMMA
AUG. 20/81

" NORTH OF ELDERADO CREEK "

INTRODUCTION:

The area hereafter known as "North of Eldorado Creek" consists primarily of a long oval shaped peak, trending northeast-southwest, immediately south of Union Mountain. The area is predominantly sedimentary being composed mostly of cherty sediments however there are also two small intrusive bodies and two limestone bodies mapped within the sediments. Prospecting was conducted mostly in the vicinity of these bodies. Rock and soil samples were taken throughout however the mountain was grass covered entirely and so no talus samples were obtainable.

There is a north-south trending linear on the north side of the mountain which is formed by a stream valley. The stream was silt sampled although due to its small size silt was not abundant.

Camp was located in a large swampy ~~area~~ valley just south of Monarch Mountain which at this time in the season seemed to have the only available water. Hiking to the target area was therefore very long and difficult at times because of the dense brush. An area which might be better suited for a campsite is near the southern end of the linear between Union Mtn. and the oval peak however it should be noted that just east of this area there is evidence of trenching on some placer claims.

PROSPECTING AND GEOLOGY

A serpentinized, ultrabasic intrusion is situated on the peak south of Union Mountain. Moderately ~~to strongly~~ disseminated arsenopyrite and/or pyrite is found in the rocks on this peak. All rock chip samples were taken in the area of this peak (nine samples in total). Because the peak has grassy sides and not continuous outcrop or talus, soil samples were also taken in this area.

Three lines of soil samples were taken down hill from this peak, crosscutting the drainage ~~pattern~~ ^{SYSTEM} from the top of the peak. Hopefully the ~~drainage~~ rock chip and soil sampling will cover any geochemical "kicks" possibly originating from this ultrabasic intruded peak.

As indicated on the GSC map, another ultrabasic body and two limestone bodies should be situated southwest of the ~~one~~ ultrabasic body we mapped. Although we spent the majority of our time searching for these ~~units~~ bodies, more were to be found. We can only conclude that the GSC mapped these wrongly. Some well rounded, cobble sized limestone float was found. Also, one ^{CHERT} outcrop had a small vein like zone of limestone in it. But no outcrop of limestone was found - (only white weathered grey chert that from the air might be mistaken as limestone). A small zone of dark rock (derived amphibolite) in the area of sample ~~27631C~~ 27631C was found which might have been mapped as ultrabasic. It was not nearly as ~~extensive~~ ^{BASIC} or as ~~the~~ extensive as the body on the top of the peak. Soil lines G22 to G26 and G108 to G116 cross over the

containing

area mapped as limestone and ultrabasic.

The strong linear feature on air photo BC 5677-037 is located in deep glacial till. A few small outcrops were found in the linear but none were mineralized. The stream running in the linear was silt sampled.

The gully between Union Mountain and the peak to its south contains two small stream beds. The one draining into the Dominion Creek basin has been staked for both placer and rock. A "cat" road and wide trench was found at claim post LP3 POST NUMBER 2 (~~as illustrated~~ LOCATIONS ILLUSTRATED ON OVERLAY BC 5677-037). Two silt samples were taken upstream from this trenched area. The other stream in this gully drains into the Lina Creek Swamp area. It was moderately fluvial and three silt samples were obtained from it. No prospecting was done north of this gully as it appears to be claimed.

As mentioned previously, the peak south of Union Mountain has moderate arsenopyrite and/or pyrite disseminations. This is found primarily in ~~the~~ unit two (volcanic greywacke?). (The same rock type as in the Eldorado Creek area). As one progresses away from the top of the peak (and consequently, away from the serpentinite), the mineralization decreases. But nearly every outcrop downhill from the peak has trace pyrite. This is found in argillite, chert, quartzite, ~~and~~ volcanic greywacke and derived amphibolite. Interestingly, the rock is often unaltered looking, similar to barren rock in other areas.

The area can probably be broken down into separate sedimentary units (ie chert separated from argillite separated from quartzite ect) but on the scale of our ~~mapping~~ map

We found that grasping the Cache Creek rocks as the GSE did was most practical. If geochemical results warrant it, follow up work might include more detailed mapping to see if certain stratigraphical units are more mineralized than others.

Towards the northern end of the linear was located a small area of outcropping diabase type rock on the stream banks. The rock is grey green, has an aphanitic texture and contains a minor amount of free quartz. There was no visible mineralization.

One final area of possible interest is a small body of feldspar porphyry found near the northeastern end of the peak. The rock was not found as outcrop but rather as an area of large boulders just down from the peak. The rock was highly felsic, contained abundant unoriented hornblende needles but also showed no visible mineralization.

GAMMA

J.C. STEPHEN EXPLORATIONS LTD.
1458 Rupert Street, North Vancouver, B.C. V7J 1G1

Telephone (604) 988-1545

AUGUST 9/81

NORTH OF ELDORADO
~~SPRUCE - DOMINION CREEKS.~~

PROSPECT AREA

MAP 104 N/11 W, 12E

LAT 59° 01' N; Long 133° ^{35'} ~~29'~~ 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 Tinturn 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 airphoto 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 Mt. 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.

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 McKee Creek and existing claims on Union Mt. but do a careful job - Don't get shot by placer miners or picked up as hitch hikers.

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