

Copper Queen Group.

BC 2882-46

July 18

- ① Breccia zone - porous & lightly mineralized breccia. Pyrite & cpy with carbonates apparently confined mostly to filling of breccia, which is of the acidic type. Rather complex geology. Basalt, in part amygdaloidal, fine grained black to purple magnetic dikes, gneissophyre dikes, occasional stringers of pure magnetite - no specularite. Undoubtedly (RD?) failed EW in valley to North. Numerous cuts trenches and loger stripping. Some Diamond Drilling. Some recent DD with core available (Byles Brothers) probably this spring. A couple of adits \approx 100-150 ft long, pyritic & sl cpy material on dump.
- ② f-mg green andesitic tuffs & tuffaceous flow rocks intermixed. flows are somewhat porphyritic mafic phenocrysts in aphanitic to lg. dark gray matrix \approx 25%. phenocrysts up to $\frac{1}{2}$ cm. Rather general epidotization, especially along slight shears. Occasional grains & blebs of pyrite.
- ③ Foliation in andesitic tuff $533^{\circ}\text{E} / 50^{\circ}\text{E}$ - intermixed with dark amygdaloidal basal - the amygdaloids of which are badly deformed.
- ④ Volcanic Breccia - of the agglomeratic type - distinct from ① fragment size less than 3" generally around 1-2"
- ⑤ Shallow - 15' pit along westerly shear - exposing Cu carbonates, ~~to~~ chalcocite bornite in dk. gray lg. andesitic tuff.
- ⑥ m-coarse grain pyroxene basalt - mostly amygdaloidal, zoned epidote etc. Not Nicola?
- ⑦ Foliation in basalt $N 30^{\circ}\text{W} / 75^{\circ}\text{E}$
- ⑧ Distinct Bedding in 6' layer of tuff. gneiss. ~~mg.~~ $N 27^{\circ}\text{W} / 82^{\circ}\text{W}$ surrounded by flow agglomerates
- ⑨ Nicola Basalt - very badly deformed amygdaloids - almost to the point of being unrecognizable: Some flow structure. some feldspathic flows. usually epidotized.
- ⑩ July 20/1 fine grain dark gray green granitized lithic, tuff or pyroxenitic diorite. Contains \approx 1% magnetite. feldspathic
- ⑪ 2882-46 #11 Clear cut mg. diorite - jointing and/or shearing $N 20^{\circ}\text{E}$ / near V.
- ⑫ 2882-46 #12 Faded Contact of diorite and basalt can be directly observed at this spot. Basalt is fine grained reddish basalt with feld. phenocrysts. Feldspar Crystall tuff.
- ⑬ 2882-46 #13 lg. fresh looking well bedded purple tuff ~~cut~~ greywackish tuff. Bedding $N 38^{\circ}\text{W} / 75^{\circ}\text{E}$ S of Road
- ⑭ Same as 13 Strong N-S foliation N of road $56^{\circ}\text{E} / 80^{\circ}\text{W}$ @ Road N of Road. N-S / Vert. - vertical foliation

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Date of Exposure:

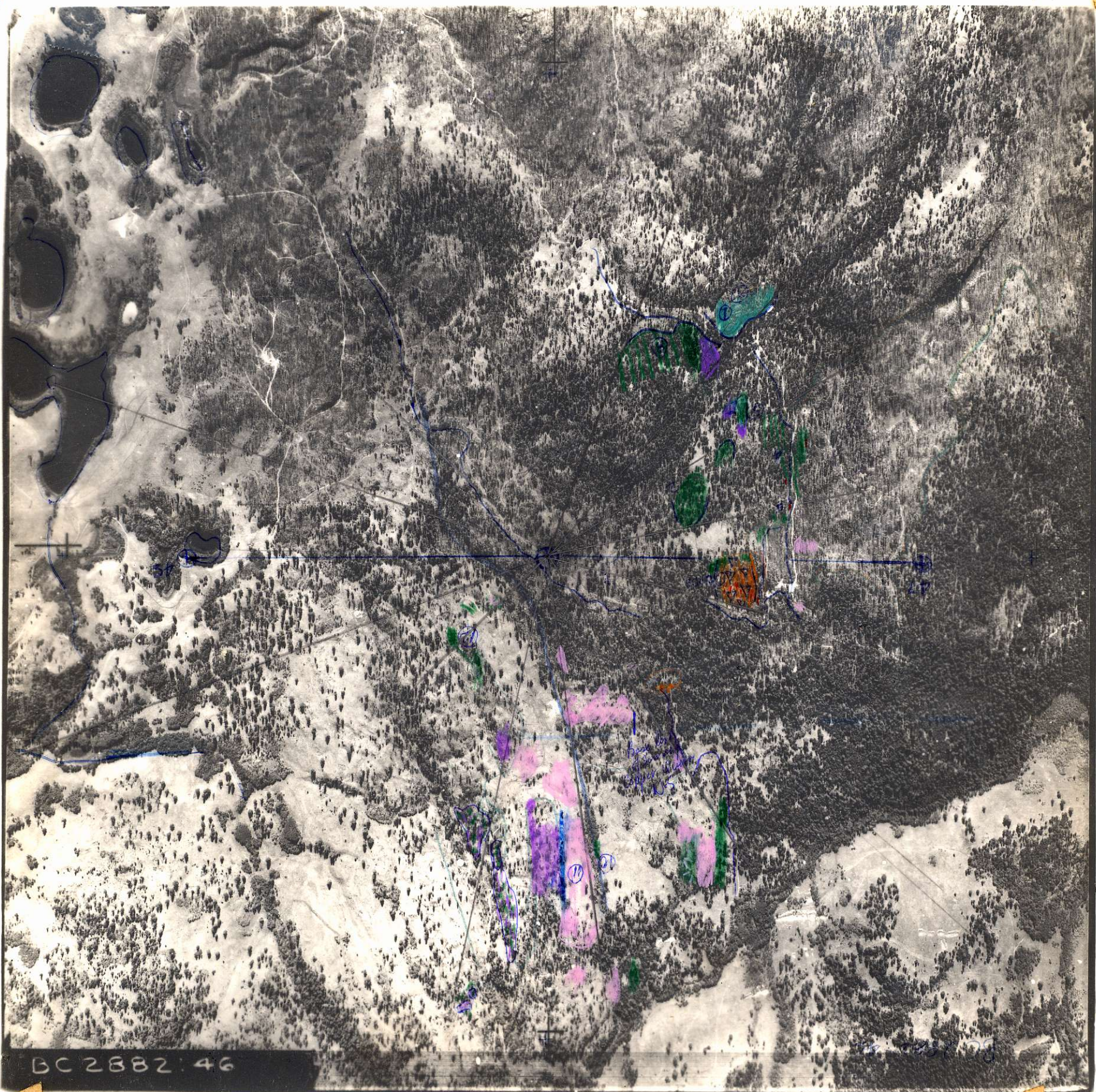
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NARROW ANGLE

20 CHAINS = 1 INCH

(APPROX)



BC 2882 46

↓ N

1000
1000