

MEMORANDUM FROM G.E.P. Eastwood, Geologist,  
Geological Division,  
Mineral Resources Branch

TO

P.E. Olson,  
Inspection Division,  
Mineral Resources Branch

005925

THE DEPARTMENT OF  
MINES AND PETROLEUM RESOURCES  
PARLIAMENT BUILDINGS, VICTORIA, BRITISH COLUMBIA V8V 1X4



DATE Nov 5/75

RE: Prospecting Report by W. S. Read, P. Eng.,

I concur with your comments in the back of the diary, but would add that this geochemical prospecting appears to have placed him no nearer to finding copper mineralization. I am virtually convinced that the volcanic rocks are Karmutsen, and this formation normally has a relatively high copper content. In 1962, I took 12 samples of apparently unmineralized Karmutsen from 3 different areas and obtained 4 assays below 100 ppm, 6 from 100 to 250 ppm, and top assays of 490 and 730 ppm. The samples are clearly too few to establish background limits, and I do not know the correlation between bedrock and soil values, but I would hazard a guess that soil geochemical values over Karmutsen of less than 400 ppm are not significantly anomalous.

I think the detailed sampling in 1975 has been a useful exercise, but I will probably advise Read to spend much less time following up the other apparently anomalous results obtained in the 1974 reconnaissance. He should probably explore some new territory. There are now some geological and geophysical reasons to suggest that the prospects for mineralization are poor east of Hemmingsen Creek. I hope to have some more definite information from 1976 field work.

I have made such copies as I need, and return herewith the diary, report, and 2 airphotos.

GEPE/crd

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DEPT OF MINES AND PETROLEUM RESOURCES	
Rec'd OCT 30 1975	
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Wayland S. Read, P. Eng.,  
198 Cherry Point Road,  
R. R. #2,  
Cobble Hill, B.C.  
VOR 110

October 20, 1975.

Mr. P. E. Olson, P.Eng.,  
Senior Inspector,  
Dept. of Mines & Petroleum Resources,  
1837 Fort Street,  
Victoria, B.C.

Dear Mr. Olson:      Re: Prospectors Assistance 1975

This year's program was a more detailed follow-up of one of the several anomalous areas discovered by the 1974 program in the San Juan River area, Vancouver Island, B.C.

This area is located on map sheet 92c/9E and air photos B.C. 7242 - 192, 193, scale of 4 inches equals 1 mile. Access is near the stop of interest at Harris Creek on the Port Renfrew - Lake Cowichan road, as outlined on the air photo enclosed.

Higher values for copper, and lower values for lead and zinc were indicated in this area, in the 1974 reconnaissance survey, so it was decided to assay the closer spaced new soil samples for copper only, in the 1975 follow-up survey. Old logging roads were used for control. For sampling, the roads were inaccessible except for walking. They were later repaired and suitable for vehicle traffic.

The copper values ranged from a low of 6 to a high of 482 parts per million. Of the 100 soil samples, there was 1 sample at 482 PPM, 3 samples between 300 - 399, 7 samples between 200 - 299, 32 samples between 100 - 199 PPM. The balance were less than 100 PPM copper.

Follow-up work after the sampling results were received showed much higher copper assays in general, from soils overlying volcanic rocks, with much lower background in the intrusives. Pyrite both disseminated and along fracture planes, was found in several locations in the volcanics, but visually contained little or no copper.

(Continued.....)

Re: Prospectors Assistance 1975...(Continued....)

Although the follow-up work did not locate any significant copper mineralization, it did result in locating a large limestone deposit, exposed for about 1400 feet in an east-west direction. The north-south dimensions and vertical extent have not been determined, but are estimated at 1000 feet or more, and over 300 feet respectively.

From preliminary checking, it would appear that transportation costs from this location, and other factors would make the deposit uneconomical, even if it proved to be of sufficient quality.

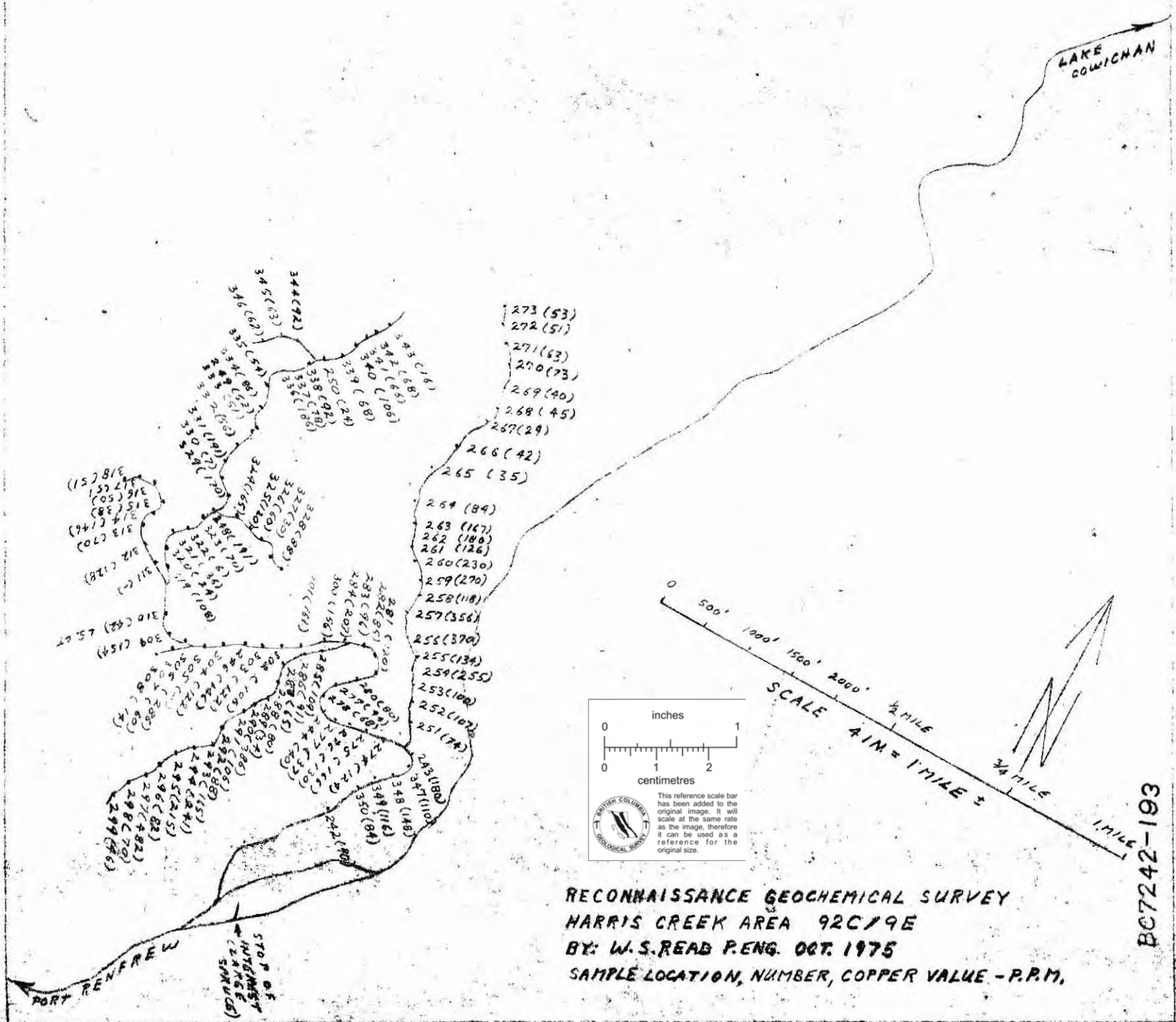
The survey area was examined with Dr. Peter Eastwood on August 5th, who in general confirmed my findings.

Please find enclosed Prospectors Grub-Stake Diary; 2 copies of Sample location overlay map for Air Photo B.C. 7242-193, showing sample number and copper values in parts per million from soil samples; 3 sheets of assay data from Chemex Labs. Ltd.; Air Photos B.C. 7242 - 192, 193.

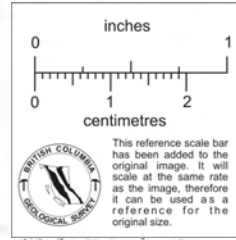
Yours very truly,



W. S. Read, P.Eng.

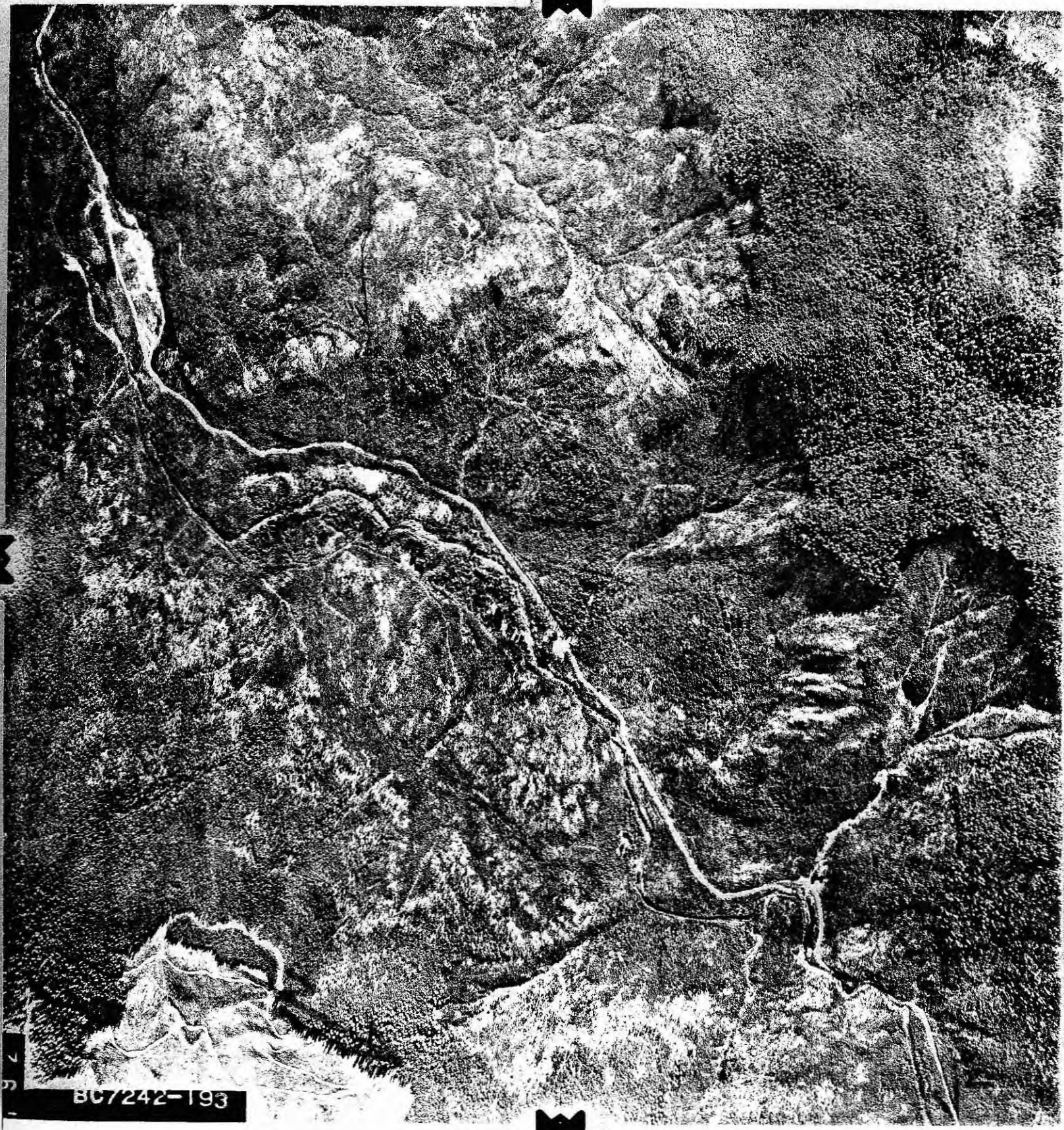


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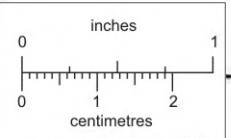


RECONNAISSANCE GEOCHEMICAL SURVEY  
 HARRIS CREEK AREA 92C/9E  
 BY: W.S. READ PENG. OCT. 1975  
 SAMPLE LOCATION, NUMBER, COPPER VALUE - P.P.M.

BC7242-193

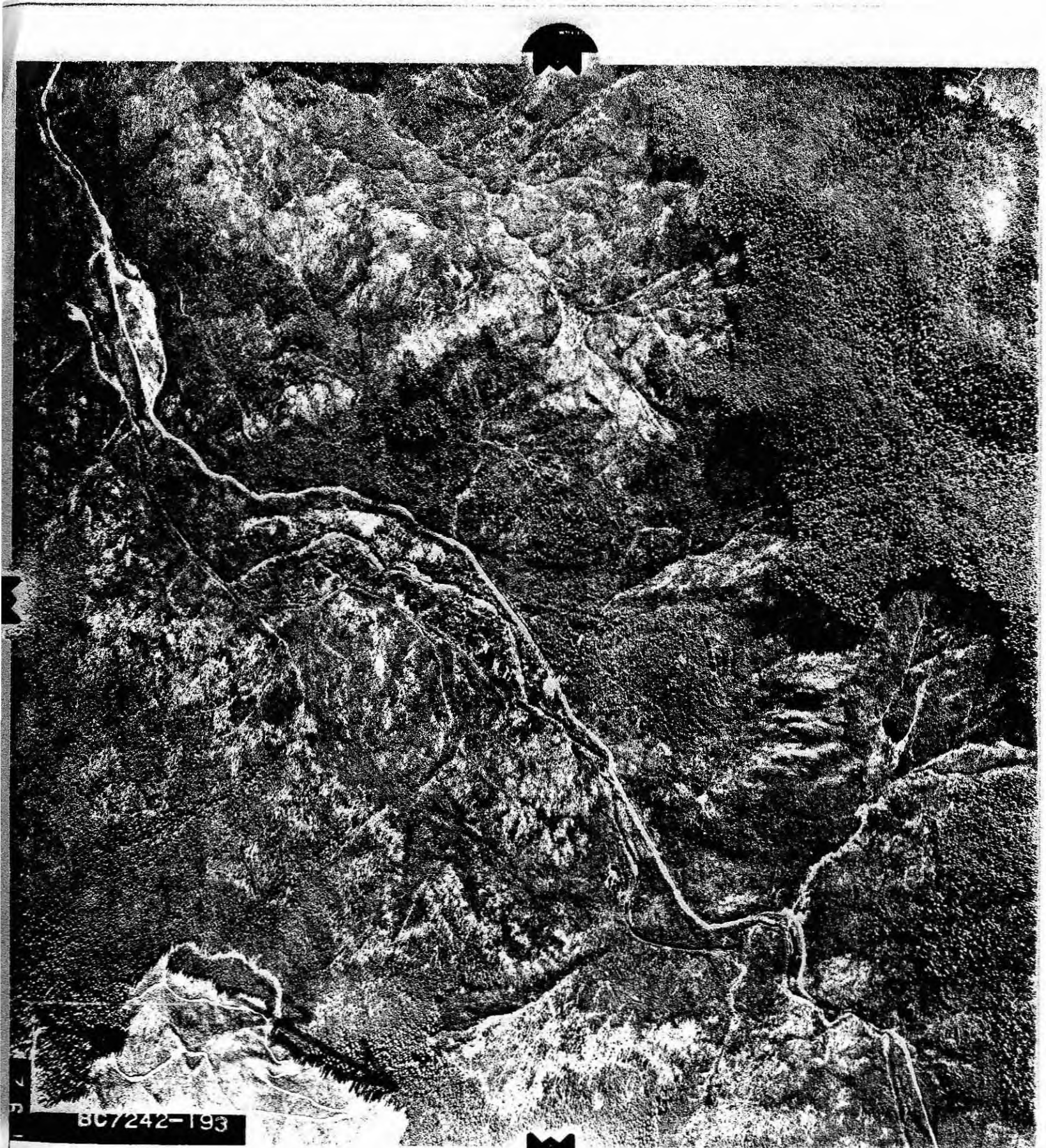


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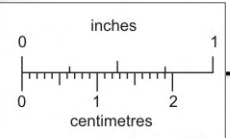


BRITISH COLUMBIA  
GEOLOGICAL SURVEY

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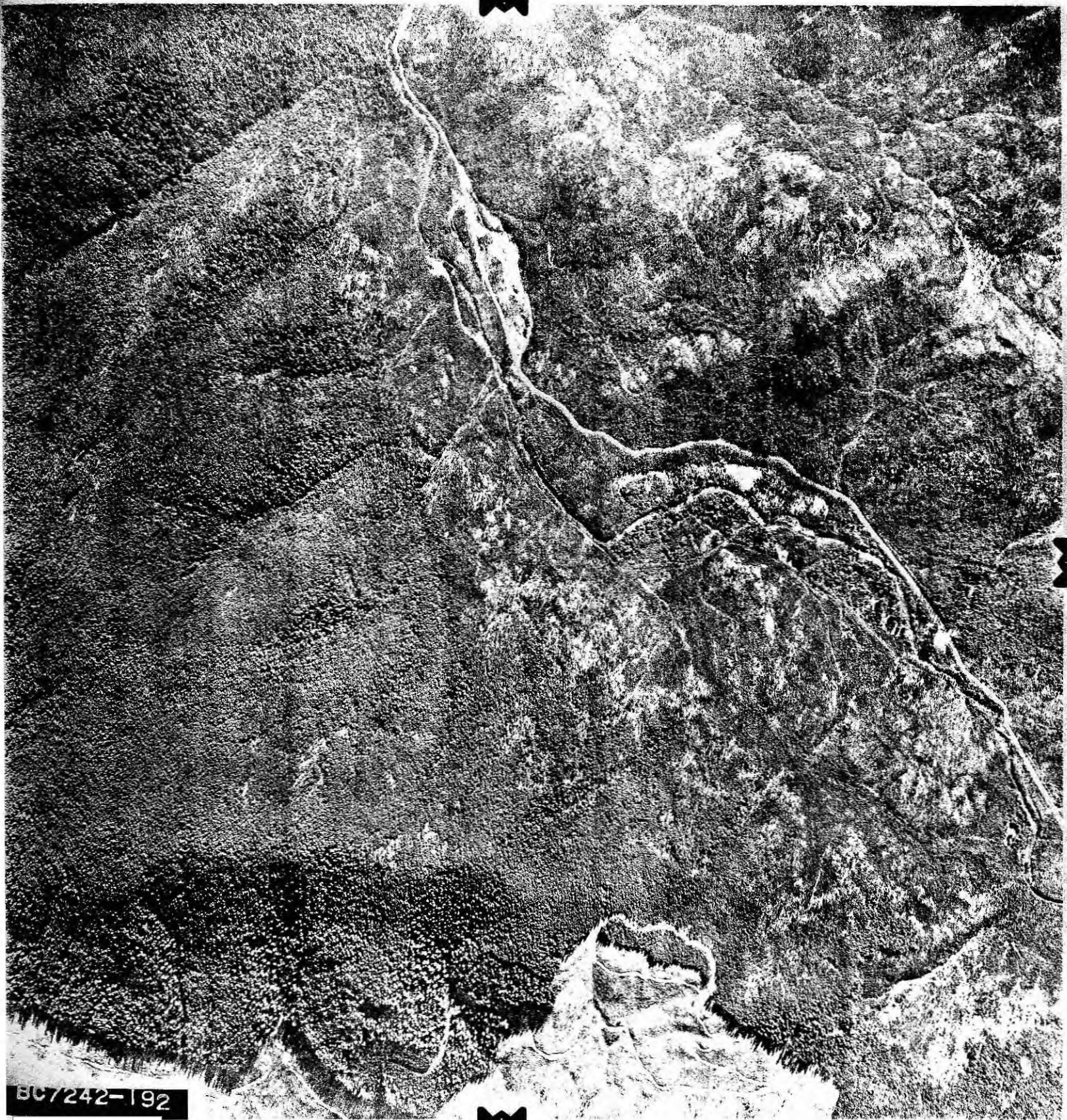


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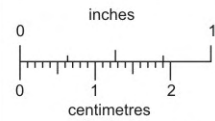


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BIOLOGICAL SURVEY

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