

HEBER RIVER

92F/13

The accompanying notes and sketch map describe the area to be prospected. From present knowledge, the south and southwest contact area of the granitic intrusive deserve the most attention.

- (A) All creeks should be silt sampled.
- (B) Geology should be mapped with particular attention being paid to the structural attitudes of the volcanics, and to fracture patterns.

Access to the area has changed considerably in the past few years. The main access road is the Campbell River - Gold River highway but the Heber River valley access is by logging road. This area was held by Elk River Logging and in past years they have been extremely cooperative. Elk River Logging therefore should be approached and permission to use their roads arranged before any trespass is made on their roads or logging permits. Great care should be taken to maintain cordial relations and prospecting camps and vehicles must not impede logging operations. The strictest care should be taken with any possible fire hazards.

Our last permission to use these roads was for Mastodon Highland Bell Mines during 1963.

J.C. Stephen  
LUC SYNDICATE

May 17/71

HEBER RIVER AREA:

There is abundant evidence of earlier prospecting in the Heber River area, particularly in the upper west branch and over the height of land toward Gold Lake.

As shown on the sketch opposite, this area is underlain by a dioritic intrusive. No mineralization was noted in this body but it appears to be the source of, or related to, quartz filled fractures in volcanics located in the contact areas at the north end of the intrusive. These quartz veins are often well mineralized with pyrite and occasionally with some chalcopyrite and magnetite. Fractures in the volcanics and in the diorite are often mineralized with pyrite. Rare examples of molybdenite were found. Well mineralized material from the west vein assayed 0.10 Au. and 0.10 Ag per ton across 12 inches.

South of the intrusive and west of the Heber River are massive dark green volcanics probably of the Karmutsen series. Widely scattered bornite and chalcopyrite mineralization was found in these volcanics. The best of this material assayed 2.40% copper, Trace - gold, 0.4 oz. silver. No definite zone was found.

A system of mineralized fractures was noted carrying magnetite and chalcopyrite over narrow widths. This system is approximately vertical and strikes N 50° E. Sub-parallel zones of quartz and pyrite were also found. These zones are sometimes offset by north or north-east striking faults which are unmineralized.

North of the intrusive and west of the east branch of the Heber River, silt sampling returned positive results, but in spite of widespread outcrop no mineralization of any kind was found. Check silt samples were also positive. The writer has no reasonable explanation. A small remnant of limestone was found to the east approximately on the boundary of Strathcona Park. Age of this limestone could not be determined.

LIST OF ASSAYS CORRESPONDING TO SAMPLE NUMBERS SHOWN ON GEOLOGY  
SKETCH OF UPPER HEBER RIVER

<u>SAMPLE NO:</u>	<u>Cu%</u>	<u>Zn%</u>	<u>Au.oz.</u>	<u>Ag. oz.</u>
36013	0.85	0.59	Tr.	Tr.
36014	-	-	0.08	0.30
36015	0.25	0.23	Tr.	Tr.
36016	-	-	Tr.	0.10
36017	2.40	-	Tr.	0.40
36018	-	-	0.10	0.10
36019	-	-	Tr.	Tr.
36020	-	-	0.02	Tr.

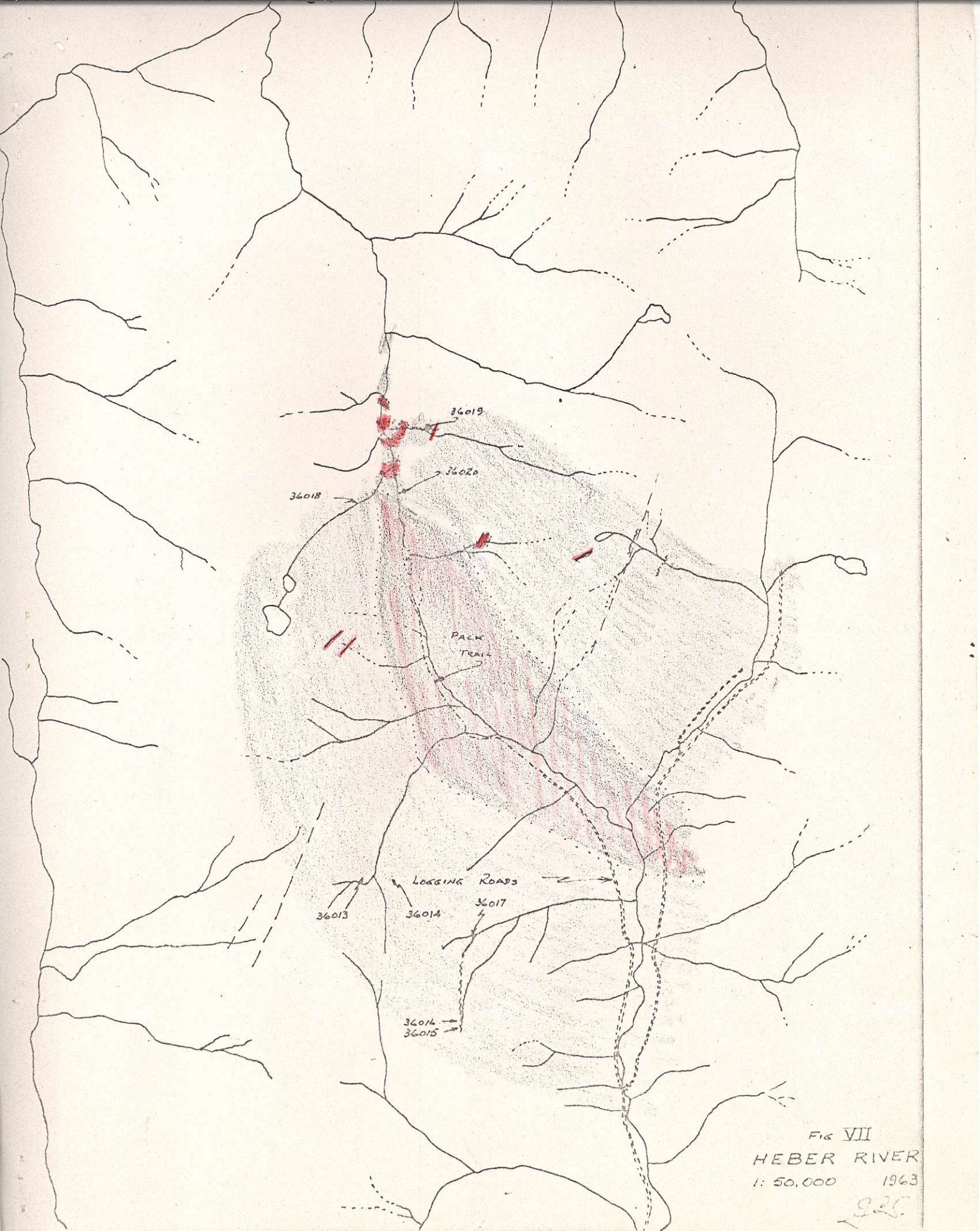


FIG VII  
HEBER RIVER  
1: 50,000 1963

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