

Note: rock samples have number:

CH - sampler  
69 - year  
6 - month  
1 - day  
1 - sample this day.

July 1 1969.

Area Geology Report  
Hi Claim Group  
Schentlo Lake, B.C.

Part ①

General: While claims within the Hi Group were being staked by Hamel and Orr those exposures crossed by tie-lines and claim location lines were sampled and noted.

Air-photo Overlays: The air-photo overlay for 2055:33 has the following number code: the occurrence of a number within a circle indicates the location of a point at which outcrop was observed and <sup>in some cases</sup> sample taken.

- ① Sample CH69-5-31-1: outcrop of volcanic breccia.  
And coarse grained intrusive (?) with large biotite books;
- ② sample CH-5-31-2
- ③ Outcrop which is quite extensive to the north and west; pink medium and coarse grained syenite (?) which exhibits K-feldspar and epidote alteration;  
sample CH69-5-31-3
- ④ Sample CH69-6-8-1; gabbroid (?) texture, quite magnetite rich, medium to fine grained with occasional coarse-grained (saussuritized) plagioclase. Minor malachite and chalcopyrite nearby (CH69-6-8-2); plus heavily pyritized, magnetic float CH69-6-8-3.
- ⑤ Outcrop in med. and coarse grained intermediate igneous rock with very heavy epidote alteration. Sample CH69-6-8-4 shows epidote plus grain of chalcopyrite.
- ⑥ Outcrop of diorite (?) with copper (chalcopyrite) plus pyrite. Number of small outcrops in this area.
- ⑦ Outcrop at the edge of lake with specularite and malachite; WGB69-6-19-1, 2.

- ⑧ area of fractured outcrop where find malachite and chalcopyrite with specularite, magnetite and pyrite on diverse fracture surfaces. Epidote is common. Rock similar to WGB 69-6-19-1, 2.
- There is extensive outcrop north of this lake's northern shore.
- ⑨ Outcrop of fine and medium grained syenite in ct. with vein and fracture alteration.
- ⑩ A fine and med. grained syenite to granite crops out on this slope and displays considerable epidote and minor copper as chalcopyrite and pyrite.

Samples of stream sediment were taken by Heinzel and Bacon at locations ~~X-59~~ X-59 to X-62 inclusive.

Part ② - see overlay # 2055:111

- ⑪ Limestone in talus train; like that near H1 #132 initial post.
- ⑫ CH69-6-22-1. Sample of % with epidote, qtz, magnetite. This location also Cu WGB 69-6-22-1
- ⑬ Near collection point of rock-type-sample CH69-6-22-3; -sub-porphyrific med. grained syenite or granodiorite. Veins of magnetite WGB 6-22-4, 5.
- ⑭ Contact between rock-type CH69-6-22-3 and coarse-grained diorite(?); sample of diorite(?) CH69-6-22-4.
- ⑮ Foliation in rock + occurrence of Cu with epidote.
- ⑯ Trce 24 on north west end of upper claim-line. Magnetite + much epidote in diorite(?).
- ⑰ Sediments with attitudes of bedding as plotted. Faulting evident - boulders in boulder conglomerate sheared and off-set.
- Samples taken near ⑰ CH69-6-26-1, 2  
WGB 69-6-26-3<sup>(?)</sup> etc.

Part ② contd.

- ⑱ Cu in rock similar to CA 69-6-22-3
- ⑲ Contact exposed in creek bank slide of gabbro and diorite.
- 

WGB 69-6-23-1 sample of feldspar porphyry found on day of staking - on claim line.

4 - sample of metamorphosed limestone taken by Paul Stevenson; in place, in ct. which has X-1, 2, 3 etc.

---

Col. Harvel  
July 1 1969.



HI GROUP CAMP  
No. 2

(camp No. 1 on TCHENTLO LAKE.)

x-62  
60

315°

x-61,78

x-60,67

x-59,74

initial post  
HI #100, #101

45°

To accompany:  
Area Geology Description  
HI Claim Group.  
Part ①

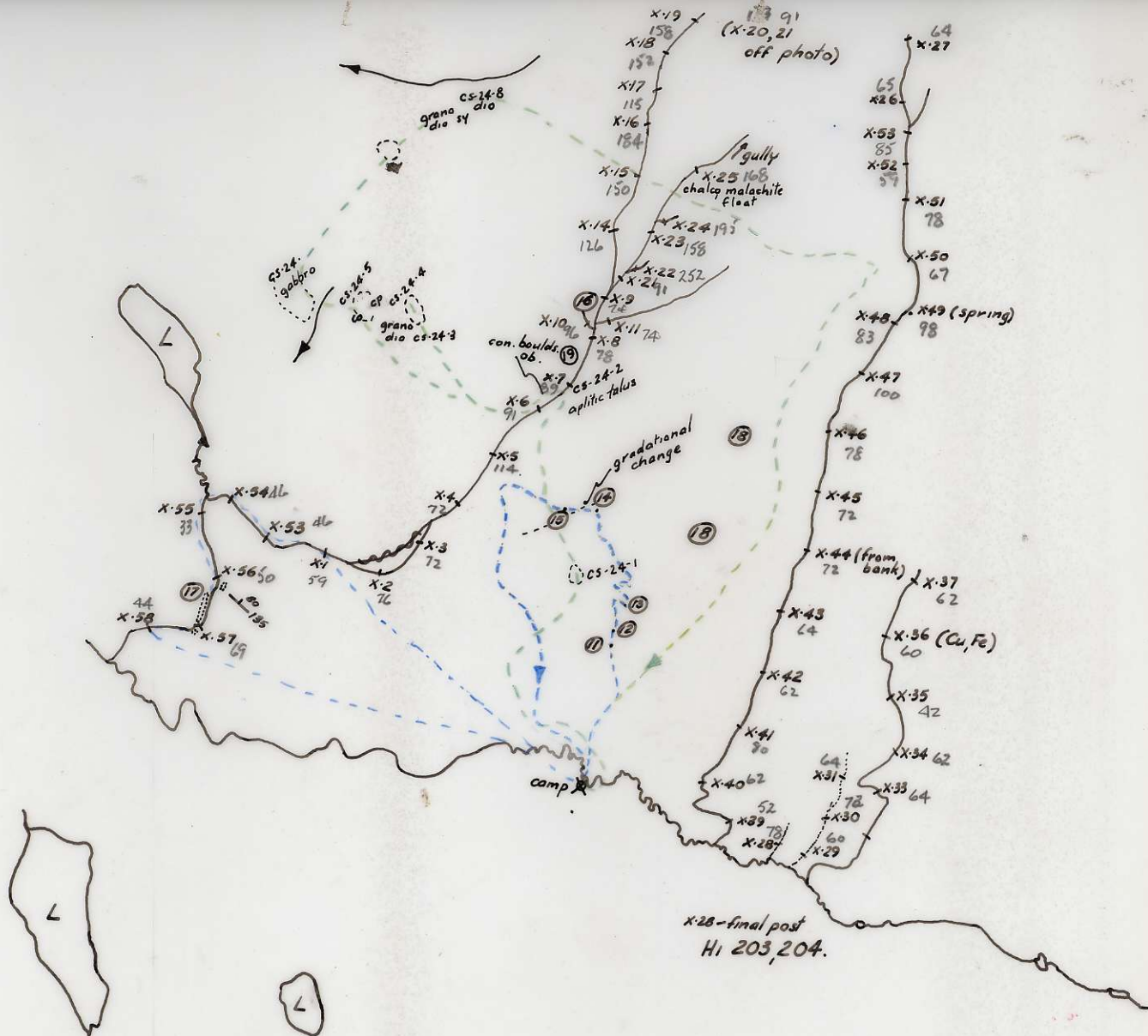
*B.P.F.*  
July 1 1969

2055:33



Field  
 Traverse  
 Plot. 2055-33

*C.P.F.*



To accompany:  
 Area Geology Report  
 HI Claim Group.

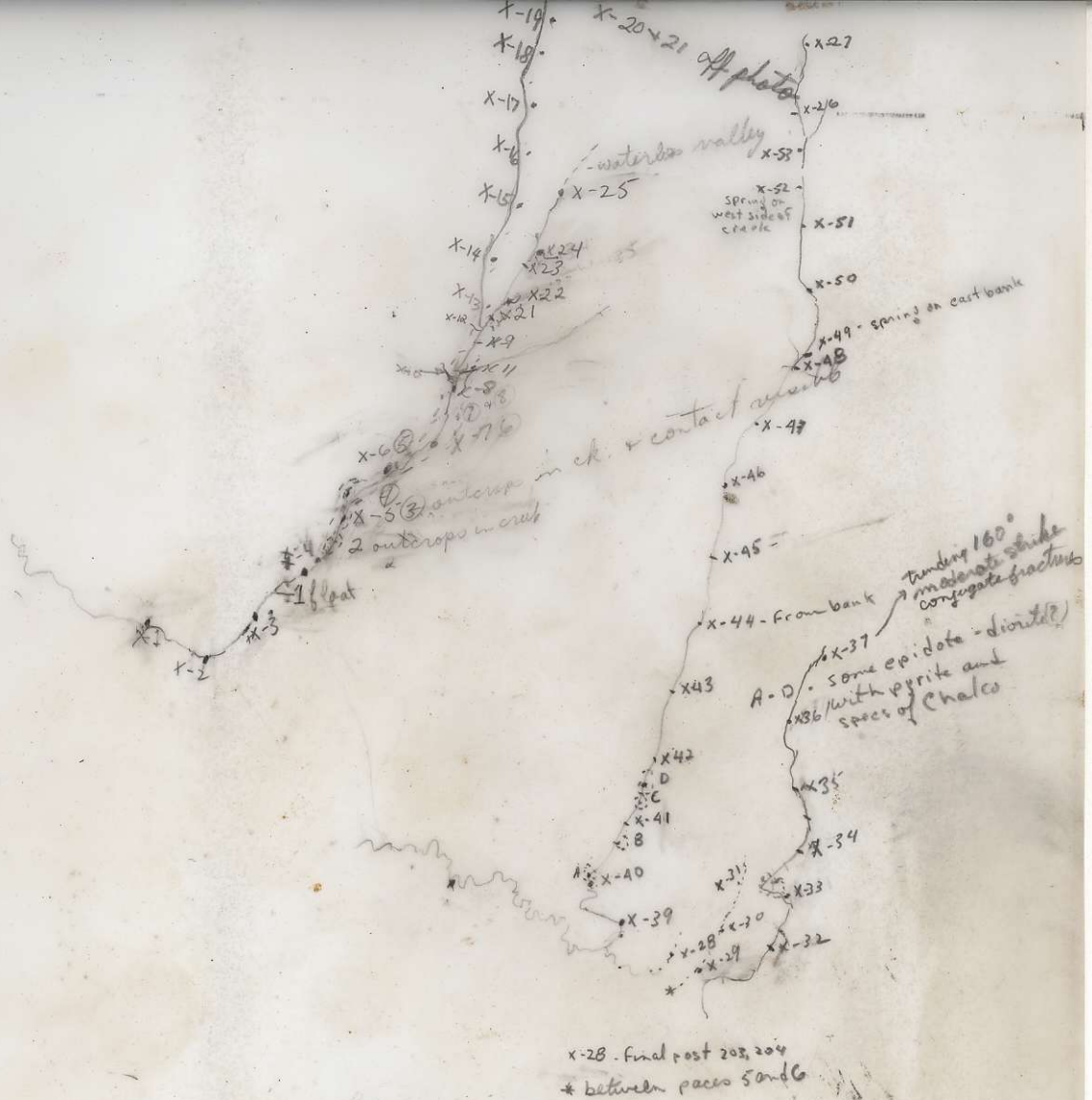
Part ②  
 Silt Sampling: Orr, Stevenson,  
 Bacon, Harivel.  
 Geology: Stephen, Bacon, Harivel.

July 1, 1969. C.P.F.









2055-111