

1977  
June  
15

Bob-Hab property; log DDH Bob II:

- 17-18 red vd.
- 18-23 qz. & pale vd.
- 23-27 skarn
- 27.5-43 Dio, mottled dk grn & white, cut by skarn dykes to 29. Grn min. f. fumes to lio. at 29, in part. Faulted meta-andes ncn 33-24. Creamy dio 34-35. White granitic dyke in dio 42-43.
- 43-53 Intrusive  $\nabla$ ; frags of flg biotitic rock intruded by  $\nabla$  dio.
- 53-61 Dio, cut by ep veins 58-60.
- 61-67 flg biotitic rock, grading to ep skarn 63-66, with some sil & minor G 65-66.
- 67-74 Intrus.  $\nabla$ , cut by rusty fract.
- 74-78 Dio, cut by a flg granitic dyke.
- 78-82 Intrus.  $\nabla$ , ctg. recog. k. frags.
- 82-88 Meta-andes, cut by steep white granitic dykes.
- 88-91 Dio.
- 91-144 Andes, cut by creamy F porph. Mildly skarned at 95, with blebs of po at 96 & 105-07. Fairly well skarned 108-17. Grades to dio at 118, then back to andes at 119. Somewhat biotitic 120-22. Fairly fresh meta-andes. 125-144. Sharp flg phase or dyke 131-32. occas. suls. at 131. Volc.  $\nabla$  texture in part.
- 144-56 Dio, cut by narr dykes of white F porph. Andes ncn 153-4.
- 156-62 Andes, sil, sly skarned, & ctg. blebs & diss. of po & cpy.
- 162-66 lgt gray dio, cut by qz veins & ctg. minor finely diss. suls.
- 166-67 Myrmekitic granite, ctg. c/g bto plates. Minor lgt gray dio at ct.
- 167-202 Meta-andes, somewhat reddish. Myr. granite 168-9. High-qz q.d. 171-2. m/g 175-78, ctg. cpy at 175; not reddish. Blotchy & partly skarned 180-88, with diss. suls. at 186. Cut by steep alaskite dyke 187-90: both it & adict meta-andes ctn diss. cpy. Amyg. & cut by high-qz q.d. dykats 190-93. Ord. q.d. flanked by cpy-brng. qz vlt. 193-4. Fair diss. cpy at 197. Somewhat skarned & cut by q.d. dykats 197-202.
- 202-39 Dio, cut by some ep. slips. Cpy-brng meta-andes. 222-3 & 224-5, also 238. e.o.c. 239.

Look in at Chester Millar pit, zone E, & check Somerville's mapping; take care of "porph", cpy-mag ore, & xline mag.

June 19

Beb-Heb area B.

Alt. rdg. 50' in Pioneer room at 9:10 AM.

Drive to top branch rd & set out approx on grid 41 S. 1st 1/2  
appears more extensive than plotted.

Bob - Hob

June 15, 1977

Two hours were spent with Rich Soverville of Imperial Oil, going over maps, discussing ideas, & looking at shear-sense exp in area F. The capping ls in area F reminded the writer more of the Q. ls. at Kly. The & in the section the belt than either the Hh ls of the Nymphish belt or the cruddy ls interbedded with the Karmutsen. 4 to 5' of fairly massive mag underlies the ls & is underlain by chert which says it is underlying Karmutsen. This exp. is dip. W fr the SE projection of the last stratum Q, & the dip is NE; folding is one possibility. The Chester miller pit (area E) was examined later, but Soverville indicated in advance that little hope of apprec. tonnage is predicted for these areas. Their main hope is for areas H & B, which he thinks are stratum over 800' & may yield a million tons of ore grading 3% Cu & adequate Fe (40% Fe). His interpretation of the structure is a s/c of Q fold'd by a wrap-around apophysis of the Nymphish batholith, & contra-plunge faulted. Continuity of ore beneath a superjacent apophysis is neg. by geophysics. Zone A at White Fox Lake has not proved out, & is no longer consid. - if it is a stratum of H-B it is offset to the left.

Bonanza Mine  
LOWER ROAD CUT  
#104

134

F

E

D

H

B

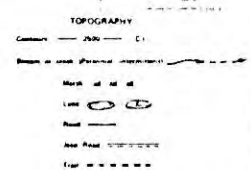
A

336

235

- (A) 1" = 50'  
EM SURVEY 17d  
GEOLOGY 17a  
MAG. VALUES 17c  
MAG. CONTOURS 17b  
GRID
- (B) 1" = 50'  
EM SURVEY 16a  
TOPOG 16c  
MAG. VALUES 16c  
MAG. CONTOURS 16d  
GEOLOGY 16b
- (D) 1" = 25'  
GEOLOGY 21a  
GRID  
MAG. VALUES 21c  
MAG. CONTOURS 21d
- (E) 1" = 50'  
MAG. VALUE 18c  
MAG. CONTOURS 18b  
GEOLOGY 18a  
DDH DRILL PLAN 18d
- (F) 1" = 50'  
GEOLOGY 19a  
MAG. VALUES 19c  
MAG. CONTOURS 19b
- (H) 1" = 25'  
TOPO & GRID & GEOL 20a  
MAG. VALUES 20c  
MAG. CONTOURS 20b

PROPERTY FILE



IMPERIAL OIL LIMITED - MINERALS SECTION  
 Project No. 8008 Mining Division NANAIMO  
 Latitude 50° 18' Longitude 126° 43'  
 NTS 92L7 **1600 Ft.**  
**DETAIL MAPPING AREAS**  
 R. SOMERVILLE - ENG  
 HAB - 808 CLAIMS  
 Map No. III

4898 #25