

1967 'BETHEX' DRILLING (TREK PROPERTY)

830859

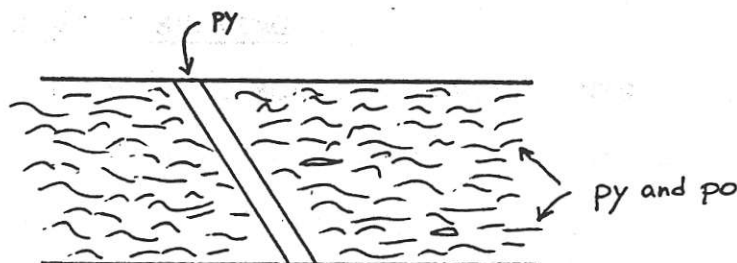
Location: East side of Babine Lake, 7 km northeast of the
Granisle Mine.

BCDM Min. Dep. Number: (93L) 208

Notes:

BQ drill core was examined from a Bethlehem Copper 1967 porphyry copper property (restaked in 1984 as the RED claims). The core rack has slumped, preventing removal of the core boxes and thus not all the core could be examined.

The core is from holes 2-9 and lithologically all the holes are very similar. The core is comprised of black to grey argillite, greywacke and argillaceous, gritty volcanoclastics. Holes DDH-2 and DDH-3 have, at depths of approximately 90 metres and 25 metres, respectively, zones of massive to semi-massive pyrite and pyrrhotite. At least four zones are present which individually vary from 20 to 150 cm long. Typically, the 'massive' sulphide displays a wispy texture and is occasionally cut by narrow pyrite stringers.



The wispy texture is parallel to the core axis whereas the bedding/core axis angle varies from 20° to 70° .

A few very narrow, fresh feldspar-rich dykes were seen, but none were near the mineralized zones. Some of the volcanoclastics contain 20%, 1-2 mm feldspar crystals in an argillaceous matrix, but again, these were not seen near the sulphides. Only very minor alteration consisting of pyrite or gypsum/calcite veining is seen in the core away from the massive sulphide zones.

Three samples (#846738-740) were collected from the sulphide zones. All had background metal values.

33.

The source of the sulphides is intriguing. The intimate mixing of sediment and sulphides suggests a syngenetic origin, but at least some of the mineralization is discordant to the bedding.

There is little evidence, however, such as hornfelsing, extensive veining or dyking to suggest that the sulphides are related to an igneous source such as the Topley Intrusions seen in outcrop nearby.

A .500 GRAM SAMPLE IS DIGESTED WITH 3 ML OF 3:1:3 HCL TO HNO3 TO H2O AT 90 DEG.C. FOR 1 HOUR. THE SAMPLE IS DILUTED TO 10 MLS WITH WATER.
 THIS LEACH IS PARTIAL FOR: CA, P, Mg, AL, TI, LA, K, W, BA, SI, SR, CR AND B. AU DETECTION 3 PPM.
 ANALYSIS BY FA/AAS FINISH FROM 20 GRAM SAMPLE. HG ANALYSIS BY FLAMELESS AA FROM .500 GRAM SAMPLE. SAMPLE TYPE - ROCK CHIPS

ND = NOT DETECTED
 - = NOT ANALYZED

DATE RECEIVED AUG 20 1984

DATE REPORTS MAILED Aug 31/84

ASSAYER DTC

DAVID CHIU, CERTIFIED B.C. ASSA

| SAMPLE # | BP - SELCO MINING | | PROJECT# 904 | | | | | | | | REPORT# 84-20-075 | | | | | | | | JOB# 84-400 | | | | INVOICE# 8228 | | | | FILE# 84-2274 | | | | PAGE # 1 | |
|----------|-------------------|--------|--------------|--------|--------|--------|--------|--------|----------|--------|-------------------|--------|--------|--------|--------|--------|--------|-------|-------------|-----|--------|--------|---------------|--------|------|-------|---------------|------|-----|-------|----------|---------|
| | MO PPM | CU PPM | PB PPM | ZN PPM | AG PPM | XI PPM | CO PPM | XM PPM | FE I PPM | AS PPM | U PPM | AU PPM | TH PPM | SR PPM | CD PPM | SO PPM | BI PPM | V PPM | CA I | P I | LA PPM | CR PPM | MG I | BA PPM | TI I | B PPM | AL I | NA I | K I | W PPM | AU** PPM | HG# PPM |
| 846663 | 1 | 1126 | 50 | 2713 | 2.9 | 10 | 11 | 39 | 30.67 | 781 | 5 | 2 | 2 | 1 | 16 | 18 | 9 | 4 | .07 | .01 | 11 | 21 | .11 | 5 | .01 | 2 | .09 | .01 | .01 | 2 | 90 | 30 |
| 846664 | 65 | 1179 | 8 | 56 | .6 | 41 | 22 | 297 | 9.17 | 3 | 5 | ND | 2 | 86 | 1 | 2 | 2 | 67 | 1.67 | .11 | 2 | 52 | .15 | 9 | .08 | 2 | 2.03 | .19 | .02 | 46 | 20 | 10 |
| 846665 | 10 | 87 | 32 | 209 | .5 | 32 | 8 | 193 | 12.06 | 45 | 5 | ND | 2 | 10 | 2 | 2 | 2 | 42 | .95 | .11 | 5 | 72 | .40 | 32 | .02 | 2 | .38 | .01 | .08 | 2 | 90 | 20 |
| 846666 | 8 | 76 | 46 | 169 | .7 | 27 | 8 | 331 | 11.66 | 53 | 5 | ND | 2 | 18 | 2 | 3 | 2 | 60 | 1.70 | .50 | 3 | 73 | .94 | 29 | .06 | 2 | .78 | .01 | .08 | 2 | 10 | 30 |
| 846667 | 3 | 45 | 10 | 109 | .4 | 24 | 15 | 772 | 11.43 | 35 | 5 | ND | 2 | 21 | 1 | 4 | 2 | 92 | 1.69 | .12 | 2 | 38 | 1.81 | 37 | .26 | 2 | 1.34 | .01 | .07 | 2 | 10 | 30 |
| 846668 | 6 | 83 | 48 | 190 | 1.1 | 34 | 31 | 409 | 20.32 | 72 | 5 | ND | 2 | 21 | 1 | 2 | 2 | 35 | 2.26 | .77 | 2 | 27 | .71 | 22 | .12 | 3 | .64 | .02 | .08 | 3 | 25 | 10 |
| 846669 | 1 | 842 | 5 | 83 | .5 | 8 | 20 | 857 | 5.55 | 2 | 5 | ND | 3 | 55 | 1 | 2 | 2 | 129 | 1.27 | .43 | 14 | 22 | 2.13 | 41 | .12 | 2 | 1.88 | .02 | .07 | 2 | 40 | 10 |
| 846670 | 1 | 5555 | 5 | 30 | 1.9 | 3 | 6 | 382 | 2.12 | 2 | 5 | ND | 7 | 74 | 1 | 2 | 2 | 50 | .77 | .21 | 15 | 31 | .62 | 43 | .08 | 2 | .68 | .06 | .08 | 2 | 800 | ND |
| 846738 | 1 | 46 | 30 | 43 | .3 | 3 | 5 | 1912 | 32.70 | 5 | 5 | ND | 2 | 10 | 2 | 2 | 2 | 80 | .28 | .13 | 2 | 25 | .21 | 22 | .05 | 10 | 1.32 | .02 | .01 | 2 | 5 | 20 |
| 846739 | 1 | 48 | 22 | 43 | .4 | 1 | 2 | 2046 | 28.14 | 13 | 5 | ND | 2 | 14 | 1 | 2 | 2 | 68 | 1.28 | .61 | 2 | 21 | .24 | 7 | .04 | 2 | 1.32 | .01 | .01 | 2 | 15 | 15 |
| 846750 | 1 | 69 | 47 | 57 | 1.0 | 2 | 6 | 2622 | 31.88 | 17 | 5 | ND | 2 | 15 | 2 | 2 | 2 | 93 | .93 | .45 | 2 | 11 | .82 | 13 | .05 | 12 | 1.45 | .02 | .01 | 2 | 10 | 15 |
| 846741 | 1 | 48 | 4 | 27 | .1 | 13 | 4 | 345 | 4.10 | 2 | 5 | ND | 3 | 12 | 1 | 3 | 2 | 21 | .05 | .05 | 3 | 17 | 1.28 | 92 | .01 | 6 | 1.23 | .01 | .09 | 2 | 30 | 10 |
| 846742 | 1 | 44 | 6 | 55 | .1 | 14 | 4 | 597 | 3.49 | 6 | 5 | ND | 3 | 18 | 1 | 2 | 2 | 21 | .30 | .09 | 3 | 47 | 1.51 | 158 | .01 | 5 | 1.47 | .01 | .08 | 2 | 10 | 10 |
| 846743 | 2 | 49 | 6 | 26 | .5 | 11 | 3 | 334 | 3.04 | 9 | 5 | ND | 3 | 13 | 1 | 2 | 2 | 19 | .02 | .05 | 3 | 57 | .65 | 603 | .01 | 4 | .78 | .01 | .08 | 2 | 10 | 15 |
| 846744 | 5 | 5 | 17 | 70 | .1 | 5 | 1 | 325 | .73 | 8 | 5 | ND | 5 | 17 | 1 | 2 | 2 | 3 | .69 | .01 | 19 | 78 | .05 | 79 | .01 | 3 | .21 | .04 | .09 | 2 | 5 | 10 |
| 846745 | 2 | 41 | 10 | 94 | .2 | 57 | 11 | 1691 | 3.79 | 9 | 5 | ND | 2 | 11 | 1 | 3 | 2 | 12 | .12 | .10 | 9 | 31 | 1.54 | 454 | .01 | 4 | 1.67 | .01 | .08 | 2 | 5 | 5 |
| 846746 | 17 | 54 | 4 | 88 | .2 | 32 | 6 | 396 | 3.04 | 3 | 5 | ND | 3 | 30 | 1 | 3 | 2 | 112 | .38 | .13 | 8 | 86 | .93 | 729 | .01 | 4 | 1.06 | .01 | .08 | 2 | 10 | 15 |
| 846747 | 10 | 24 | 3 | 40 | .2 | 9 | 3 | 130 | 2.13 | 11 | 5 | ND | 3 | 13 | 1 | 3 | 2 | 65 | .10 | .04 | 4 | 89 | .83 | 331 | .01 | 4 | .90 | .01 | .07 | 2 | 10 | 15 |
| 846748 | 28 | 26 | 8 | 57 | .4 | 16 | 4 | 267 | 1.73 | 12 | 5 | ND | 4 | 24 | 1 | 3 | 2 | 72 | .48 | .29 | 6 | 111 | .53 | 612 | .01 | 3 | .69 | .01 | .11 | 2 | ND | 15 |
| 846749 | 13 | 33 | 13 | 58 | .5 | 15 | 4 | 334 | 2.18 | 38 | 5 | ND | 2 | 18 | 1 | 4 | 2 | 70 | .30 | .12 | 5 | 85 | 1.01 | 505 | .01 | 4 | 1.10 | .01 | .09 | 2 | ND | 10 |
| 846750 | 3 | 27 | 5 | 37 | .2 | 9 | 3 | 107 | 1.71 | 8 | 5 | ND | 3 | 17 | 1 | 2 | 2 | 10 | .10 | .08 | 4 | 102 | .30 | 462 | .01 | 6 | .49 | .01 | .10 | 2 | 40 | 10 |
| 846751 | 8 | 25 | 83 | 88 | .2 | 11 | 2 | 161 | 1.90 | 17 | 5 | ND | 3 | 19 | 1 | 3 | 2 | 36 | .07 | .05 | 4 | 88 | .71 | 248 | .01 | 3 | .77 | .01 | .12 | 2 | 5 | 20 |
| 846752 | 14 | 537 | 7 | 111 | 1.3 | 36 | 20 | 470 | 10.88 | 5 | 5 | ND | 2 | 17 | 1 | 2 | 2 | 53 | .10 | .07 | 2 | 108 | 1.55 | 17 | .17 | 10 | 1.95 | .02 | .04 | 2 | 30 | 10 |
| 846753 | 64 | 2725 | 14 | 321 | 1.5 | 18 | 22 | 206 | 18.11 | 26 | 5 | ND | 3 | 10 | 2 | 2 | 3 | 147 | .15 | .01 | 2 | 75 | 1.29 | 8 | .10 | 5 | 1.46 | .01 | .03 | 2 | 360 | 15 |
| 846754 | 588 | 314 | 3 | 20 | 2.6 | 28 | 23 | 57 | 19.89 | 15 | 5 | ND | 3 | 1 | 1 | 2 | 6 | 664 | .03 | .01 | 2 | 60 | .05 | 16 | .01 | 4 | .15 | .01 | .01 | 10 | 740 | 10 |

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