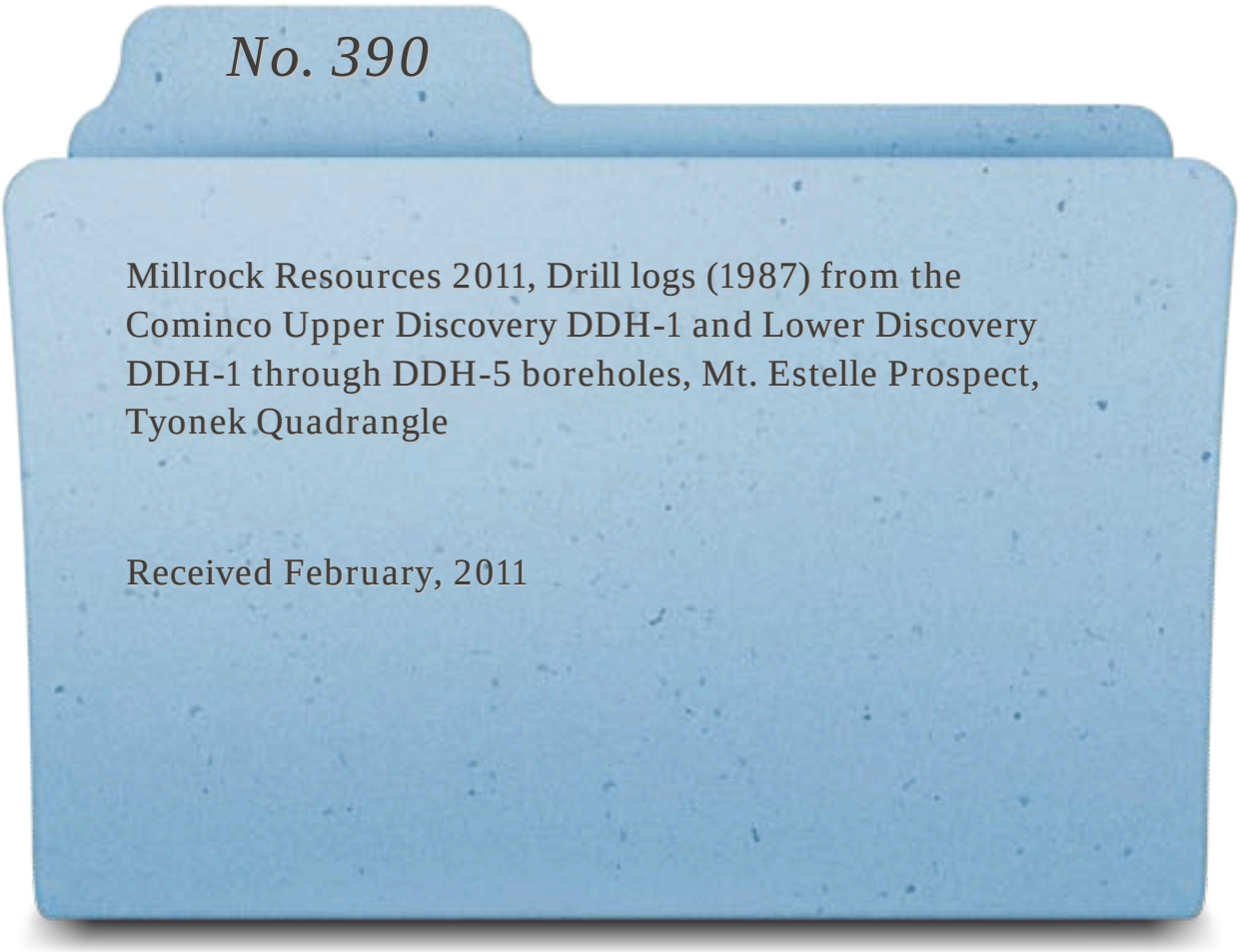
STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES

Alaska Geologic Materials Center *Data Report No. 390*




# Millrock Resources 2011, Drill logs (1987) from the Cominco Upper Discovery DDH-1 and Lower Discovery DDH-1 through DDH-5 boreholes, Mt. Estelle Prospect, Tyonek Quadrangle

Received February, 2011

All data reports may be downloaded free of charge from the DGGS website.

Estelle-Timber Creek
Drilling
Upper Discovery DDH-1
1988 Dill Logs
AK Tyonek D-8

|AK-061150-8
Technical

map: Tyonek

Shadow 6
400'

S 12 W | -45

S 37 W | -45

Shadow 6
600'

S 15 W | -45

S 24 W | -45

Shadow 6
400'

S 12 W | -45

S 37 W | -45

Shadow 6
600'

S 15 W | -45

S 24 W | -45

Shadow 6
200'

S 15 W | -45

S 24 W | -45

Cominco Alaska

HOLE # DDH-UD-1 PROPERTY: Upper Discovery GRID COORDINATES :

| DEPTH | % RECOVERY | GRAPHIC LOG | COLOR | Open Fract. | Filled Fract. | Fracture Filling | Dip | Structure | DESCRIPTION | ALTERATION (Chl, Ser, Sil, Carb, Clay) | MINERALIZATION (py, cp, po, Asp, Mag) | SAMPLE NOS. (SPLITS) | ASSAY RESULTS Au ppb | Au opt | Ag ppm | Cu ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 100 | O.C. | | | | | | | OVERBURDEN | | | | | | | |
| 1 | | | | | | | | | M.G. equigranular to weakly feldspar porphyritic 5-7% fresh Biotite; 3-5% chloritized mafics in matrix locally "flow" foliated, sparse sulfidic qz veins as noted: ~5' 2mm qz vein 40° c/a w 1-2% disscp | | | | | | | |
| 5 | | REDRILL | | | | | | | 5% 1/8" - 1/2" biotitized xenoliths | | | | | | | |
| 8 | | | | | | | | | Hx ↑ Wx 4 | | | | | | | |
| 10 | 100 | | | cp-qz 1/ft | | | 40° | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | |
| SK | | | | | | | | | | | | | | | | |
| 20 | 100 | | | 5/ft | | | 40° | | @ 20' 5/ft fx & qz veinlets w 1% cp | | 1% | 3 4 405949 (1.0) | 74 | 7 | 1.0 | 321 |
| 24 | | | | | | | | | | | | 17.0 | | | | |
| 30 | 100 | | | cp-qz 6/ft over 1' | | | 40° | | 30-34' hairline & mm qz veins w cp ~ 6/ft alteration around fx - fuzzy ground mass sr altered to fuzzy 1/4-1/2" feldspars | | | 405950 (9.0') | 182 | | 0.5 | 242 |
| SK | | | | | | | | | | | | 21.0 | | | | |
| 34 | | | | | | | | | | | | 405870 (6.0') | 340 | | 0.5 | 247 |
| 40 | 100 | | | 4/ft | | | 40° | | weakly foliated? w hairline cp-qz veinlets - sparse cp | | | 30.0 | | | | |
| 45 | | | | | | | | | | | | 405871 (7.0') | 502 | | 1.6 | 997 |
| 50 | 100 | | | qz(cp) 2/ft | | | 40° | | | | | 32.0 | | | | |
| 55 | 115 | | | cp-qz 1/ft | | | 40° | | | | | 405872 (8.0') | 436 | | 0.6 | 433 |
| 60 | | | | (cp) qz 2/ft | | | 40° | | mafic content decreases slightly from 65'-72' to 5-7% ~65' close spaced ~ 3'ft | | | 15.0 | | | | |
| 65 | 100 | | | cp-qz 5/ft | | | | | | | | 43 | | | | |
| 70 | | | | qp qz 3/ft | | | 40° | | | | | 405873 (7.0') | 232 | | 1.4 | 327 |
| | | | | | | | | | | | | 70 | | | | |

COMINCO ALASKA

| | | | |
|---|---|---|---|
| PROPERTY: Timber Creek | HOLE NO.: DDH-UD-1 | LOCATION.: Upper Discovery | |
| ELEVATION: 4400' | ANGLE: -45° | BEARING: S30W | |
| TOTAL DEPTH: 600' | DATE STARTED: 8/19/88 | DATE COMPLETED: 8/28/88 | |
| DRILLER: Foreman/Cole | DRILL: BB-15 | LOGGED BY: MAN | |
| GRID COORDINATES: | SCALE: 1" = 10' | Sheet 1 of 9 | |

Box #1 Box #2 Box #3 Box #4 Box #5 Box #6 Box #7 Box #8

Cominco Alaska

HOLE # DDH - UD - 1 PROPERTY: Upper Discovery GRID COORDINATES :

| DEPTH | % RECOVERY | GRAPHIC LOG | COLOR | Open Fract. | Filled Fract. | Fracture Filling | Dip | Structure | DESCRIPTION | ALTERATION (kf: Chl, Ser, Sil, Sil-Ser, Carb, Clay) | MINERALIZATION (py, cp, po, Mspy, Mpo) | SAMPLE NOS. (SPLITS) | ASSAY RESULTS Au (ppb) | Au (opt) | Ag (ppm) | Cu (ppm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 70 | | | | | | | | | | | | 70 | 11 | | | |
| 79 | 100 | | | qz-cp 1-2/ft | | | 40 | | hairline qz-cp fx coatings 1-2/ft Weak foliation fx? throughout - not all mineralized | | tr | 405874 (9.0) | 182 | | 1.4 | 249 |
| 80 | | | | | | | | | | | | 79 | | | | |
| 85 | 100 | | | | | | | | | | tr | | | | | |
| 90 | | | | | | | | | | | tr | | | | | |
| SK | 100 | | | | | | | | | | | 91 | | | | |
| 96 | 100 | | | | | | | | | | tr | 405875 (5.0) | 76 | | <.4 | 125 |
| 96 | | | | | | | | | | | | 96 | | | | |
| | | | | qz-cp 2-5/ft | | | 40 | | | | | 405876 (6.0) | 200 | | 1.1 | 520 |
| 100 | 100 | | | | | | | | Foliation fx 6-8/ft some cp-chl | | tr | | | | | |
| 105 | | | | | | | | | | | | 102 | | | | |
| 110 | 100 | | | | | | | | | | tr | | | | | |
| 115 | | | | | | | | | ~115' - Veinlets dimin sh to 1/10' or so | | tr | | | | | |
| 120 | 100 | | | | | | | | | | | | | | | |
| 124 | | | | | | | | | | | tr | | | | | |
| 130 | 100 | | | | | | | | | | tr | | | | | |
| 131.5 | | | | qz-chl-cp 1/ft | | | 40 | | | | | 405877 (10.0) | 712 | | <.4 | 271 |
| 137' | 100 | | | | | | | | | | tr | | | | | |
| 140 | | | | | | | | | | | | 138 | | | | |

Box #9 Box #10 Box #11 Box #12 Box #13 Box #14 Box #15

COMINCO ALASKA

| | | | |
|---|---|---|---|
| PROPERTY: Timber Creek | HOLE NO.: DDH UD-1 | LOCATION.: Upper Discovery | |
| ELEVATION: 4400' | ANGLE: -45° | BEARING: S30W | |
| TOTAL DEPTH: 600' | DATE STARTED: 8/19/88 | DATE COMPLETED: 8/24/88 | |
| DRILLER: Foreman / Core | DRILL: BB-15 | LOGGED BY: MKM. | |
| GRID COORDINATES: | SCALE: 1" = 10' | Sheet 2 of 9 | |

Cominco Alaska

HOLE # DDH-UD-1 PROPERTY: UPPER DISCOVERY GRID COORDINATES :

| DEPTH | % RECOVERY | GRAPHIC LOG | COLOR | Open Fract. | Filled Fract. | Fracture Filling | Dip | Structure | DESCRIPTION | ALTERATION (Chl, Ser, Sil, Carb, Clay) | MINERALIZATION (Py, Sph, Gn, Asp, Mo) | SAMPLE NOS. (SPLITS) | ASSAY RESULTS Au ppb | Au ppm | Ag ppm | Cu ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 140 | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | |
| 146 | | | | | | | | | 146'-151.5' - qz-ser-chl-carb bleached & altered qzmz 1-3% py trep | | 1% | 405878 (8.0) | 1242 | | 0.6 | 551 |
| 147 | | | | | | | | | | | | | | | | |
| 150 | | | | | | | | | | | 2% | 405879 (5.5) | 380 | | 0.9 | 676 |
| 100 | | | | | | | | | | | 1% | | | | | |
| SHR 157 | | | | | | | | | large + 2-3" dk ?igneous xenolith - f.g ss feldspar planes | | 1% | | | | | |
| 160 | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | |
| 164 | | | 60° | | | | | | 168.5 - 169 - lt grey green ser-qz-chl altered qzmz stained carb veinlets & diss $CaCO_3$ 2-3% diss py @ 164 - cp-po veinlet | | 1% | 405880 (5.5) | 92 | | 2.4 | 270 |
| SHR | | | 30° | | | | | | | | 1% | | | | | |
| 100 | | | | | | | | | | | 1% | | | | | |
| 170 | | | | | | | | | | | | | | | | |
| 174 | | | | | | | | | some 1-2mm ?clay alt fx ⇒ feldspars bleached white | | | | | | | |
| 100 | | | | | | | | | | | | | | | | |
| 180 | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | |
| SHR 190 | | | 60° | | | | | | 188 - 194 1" to 6" zones of pervasively altered weakly ± qzmz. light green-grey; weak $CaCO_3$ @ 188 - a 2mm dk green-black band ? chl | | 1% | | | | | |
| SHR | | | 40° | | | | | | | | 1% | 405881 (6.0) | 184 | | 0.8 | 318 |
| 100 | | | 40° | | | | | | | | tr | | | | | |
| 197.5 | | | 40° | | | | | | | | | 405882 (4.5) | 124 | | 0.5 | 151 |
| 200 | | | | | | | | | @200' S5W \| -45 corrected S30W \| -45 | | tr | | | | | |
| 90 | | | | optical 2mm/ft | | | 10° | | cp + dk chl on fx 2/10' 4.0 c/A | | tr | 405883 (5.5) | 44 | | <.4 | 138 |
| 207 | | | | | | | | | | | tr | | | | | |
| 210 | | | | | | | | | | | | 405884 (7.0) | 62 | | <.4 | 127 |
| 100 | | | | | | | | | | | | | | | | |

Box #16 Box #17 Box #18 Box #19 Box #20 Box #21 Box #22 Box #23

COMINCO ALASKA

| | | | |
|---|---|---|---|
| PROPERTY: Timber Creek | HOLE NO.: DDH UD-1 | LOCATION.: UPPER Discovery | |
| ELEVATION: 4400' | ANGLE: -45° | BEARING: S30W | |
| TOTAL DEPTH: 600' | DATE STARTED: 8/19/88 | DATE COMPLETED: 8/28/88 | |
| DRILLER: Tecumseh Corp | DRILL: BB-15 | LOGGED BY: MAM | |
| GRID COORDINATES: | SCALE: 1" = 10' | Sheet 3 of 9 | |

Cominco Alaska

HOLE # DDH-UD-1 PROPERTY: Upper Discovery GRID COORDINATES : _____

| DEPTH | % RECOVERY | GRAPHIC LOG | COLOR | Open Fract. | Filled Fract. | Fracture Filling | Dip | Structure | DESCRIPTION | ALTERATION (Chl, Epidt, Sr, Silic, Carb, Clay) | MINERALIZATION (py, cp, po, Apy, Hem) | SAMPLE NOS. (SPLITS) | ASSAY RESULTS Au ppb | Ag opt | Mo ppm | Cu ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 210 | | | | | | | | | | | | 405884 | | | | |
| 212 | 100 | | 20° | | | | | | 216-218' 20° c/a Sr-qz-ser-(chl) gray green alt; 1% py | | 1% | | | | | |
| 220 | 100 | | 20 | | | | | | @222' z >1mm cp veinlets - 10° c/a & 80° c/a | | | 405885 (9.5) | 60 | | 0.6 | 241 |
| 227 | 90 | | 30 | | | | | | | | tr | 405886 (9.0') | 60 | | 0.5 | 54 |
| 230 | 100 | | | | | | | | 232.5 - 235 - 1-3" wide Sr altered fms. spaced ~ 1-2/ft | | | 405887 (5.5') | 42 | | 0.4 | 63 |
| 232 | 100 | | | | | | | | | | | 405888 (4.0') | 36 | | 0.5 | 111 |
| 238 | 100 | | 40 | | | | | | 242' 60° c/a cp veinlet - opposing the 40° Sr altered zones | | tr | 405889 (5.0) | 20 | | 1.4 | 58 |
| 240 | 90 | | | | | | | | | | | 405890 (5.0) | 20 | | 0.6 | 55 |
| 247 | | | 50 | | | | | | 249-250' - Sr-qz-chl altered zone - tr py fuzzy 1/4" feldspar phenos preserved | | tr | 405891 (5.0') | 44 | | 0.6 | 88 |
| 250 | 100 | | 70 | | | | | | 252-257' - pale grey green Ser-carb (chl) altered qz-rich 1% | | 1% | | | | | |
| 257 | 100 | | | | | | | | | | | 405892 (5.0') | 20 | | 0.7 | 131 |
| 260 | 100 | | | | | | | | 264-269 - Pervasively Ser-carb (chl) altered - few relict biotites preserved & fuzzy 1/4" feldspar laths | | tr tr | 405893 (5.0') | 32 | | <1.4 | 64 |
| 263 | 100 | | 70 | | | | | | | | | 405894 (6.0') | 32 | | <1.4 | 71 |
| 270 | | | 60 | | | | | | 269 - 274 Ser-carb fx 5, spaced 3/ft @ 273 1% cp | | | | | | | |
| 273 | 100 | | | | | | | | | | | | | | | |
| 280 | | | | | | | | | | | | | | | | |

Bot #23 Bot #24 Bot #25 Bot #26 Bot #27 Bot #28 Bot #29 Bot #30

SK 232 SK 273

COMINCO ALASKA

| | | | |
|---|---|---|---|
| PROPERTY: Timbal Creek | HOLE NO.: DDH UD-1 | LOCATION.: Upper Discovery | |
| ELEVATION: 4460' | ANGLE: -45° | BEARING: 5340 | |
| TOTAL DEPTH: 600' | DATE STARTED: 8/19/88 | DATE COMPLETED: 8/29/88 | |
| DRILLER: Foreman / Cole | DRILL: BB-15 | LOGGED BY: MAM | |
| GRID COORDINATES: | SCALE: 1" : 10' | Sheet 4 of 9 | |

Cominco Alaska

HOLE # DDH-UD-1 PROPERTY: UPPER DISCOVERY GRID COORDINATES :

| DEPTH | % RECOVERY | GRAPHIC LOG | COLOR | Open Fract. | Filled Fract. | Fracture Filling | Dip | Structure | DESCRIPTION | ALTERATION (Chl, Sil, Ser, SiO2, Carb, Clay) | MINERALIZATION (py, cp, po, sph, Mos) | SAMPLE NOS. (SPLITS) | ASSAY RESULTS Au ppb | Au opt | Ag ppm | Cu ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 280 | | | | | | | | | | | | | | | | |
| | 100 | | | | | | | | @284 ± 286' 0.5 - 1.0 zones of Ser alt qz mz Broken core | | | | | | | |
| 286 | | | | | | | | | | | | | | | | |
| 290 | 100 | | | | | | | | | | | | | | | |
| 296 | | | | | | | | | | | | | | | | |
| 300 | 100 | | qz-cp (chl) 40°c/a > 1/ft | | | | | | | | tr | | | | | |
| 305 | | | | | | | | | | | | | | | | |
| | 80 | | | | | | | | | | tr | | | | | |
| 308 | | | | | | | | | | | | | | | | |
| 310 | | | | | | | | | | | | | | | | |
| | 100 | | | | | | | | | | | | | | | |
| 317 | | | | | | | | | | | | | | | | |
| 320 | | | | | | | | | | | | | | | | |
| | 100 | | 40 | | | | | | | | | | | | | |
| 327 | | | | | | | | | @327' .5' zone of Ser-carb alt. | | | | | | | |
| 330 | | | | | | | | | | | | | | | | |
| | 100 | | | | | | | | 333 to ~345' Zones of pervasive grey-green Ser-carb-chl alt to 1/4" enclosed fuzzy feld. phen. 1-2% diss py - tr cp | | | | | | | |
| 335 | | | 40 | | | | | | 40°c/a chl coated fx w/ cp | | | | | | | |
| | 80 | | 50 | | | | 40 | | @339' - gouge zone w/in Ser-carb-chl altered qz mz | | 1-2 tr | | | | | |
| 340 | | | | | | | | | | | | 405895 (10') | 102 | .4 | 208 | |
| 343 | | | | | | | | | | | | | | | | |
| | 100 | | | | | | | | | | 1-2 tr | | | | | |
| 349 | | | | | | | | | | | | 405896 (6.5') | 166 | .4 | 373 | |
| 350 | | | | | | | | | | | | | | | | |

GMC Data Report 390

COMINCO ALASKA

| | | | |
|---|---|---|---|
| PROPERTY: TIMBER CREEK | HOLE NO.: DDH-1 | LOCATION.: UPPER DISCOVERY | |
| ELEVATION: 4400' | ANGLE: -45° | BEARING: S30W | |
| TOTAL DEPTH: 6000' | DATE STARTED: 8/19/88 | DATE COMPLETED: | |
| DRILLER: FOREMAN / COLE | DRILL: BB-15 | LOGGED BY: MAM | |
| GRID COORDINATES: | SCALE: 1" = 10' | Sheet 5 of 9 | |

Cominco Alaska

HOLE # DDH UD-1 PROPERTY: UPPER DISCOVERY GRID COORDINATES :

| DEPTH | % RECOVERY | GRAPHIC LOG | COLOR | Open Fract. | Filled Fract. | Fracture Filling | Dip | Structure | DESCRIPTION | ALTERATION (Chl, Ser, Sil, carb, Clay) | MINERALIZATION (Py, Po, Mag, Hem) | SAMPLE NOS. (SPLITS) | ASSAY RESULTS Au ppb | Au opt | Ag ppm | Cu ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 350 | | | | | | | | | Zones of pervasive ss-carb chl alt w/ 1/4" feldspar phenos highlighted in v.f. grey green groundmass | | | | | | | |
| 354 | 100 | | | | | | | | @ 358 - soft & gouge | | | 405897 (5.0') | 118 | | 0.9 | 244 |
| 359 | 100 | | | | | | | | | | | 405898 (5.0') | 100 | | 0.5 | 157 |
| 360 | | | | | | | | | | | | 405899 (6.0') | 120 | | 1.4 | 323 |
| 370 | 100 | | | | | | | | Same Equigranular to weakly porphyritic qz hmz @ 3-5% 1/2" biotitized xenoliths; 5-7% biotite + chloritized mafics | | | | | | | |
| 377 | | | | | | | | | | | | | | | | |
| 380 | 100 | | | | | | | | | | | | | | | |
| 386 | | | | | | | | | | | | 405900 (4.5') | 60 | | 1.7 | 974 |
| 390 | 100 | | | | | | | | 393' 1" qz vein w/ cp, Mo$_2$ | | | 411601 (6.0') | 220 | | 1.9 | 678 |
| 395 | 80 | | | | | | | | @ 400' S27W/-45 created S27W/-45 | | | 411602 (6.0') | 756 | | 2.5 | 415 |
| 400 | | | | | | | | | BANDS of py 1/4" thick 40° C/A 399-400' w/ m lt grey green ser alt. qz mz | | | 411603 (5.5') | 232 | | 5.0 | 513 |
| 403.5 | 100 | | | | | | | | | | | | | | | |
| 407 | | | | | | | | | Equigr. qz mz (same as above) | | | | | | | |
| 410 | 100 | | | | | | | | | | | | | | | |
| 416 | | | | | | | | | | | | | | | | |
| 420 | | | | | | | | | | | | | | | | |

Box #37 Box #38 Box #39 Box #40 Box #41 Box #42 Box #43

COMINCO ALASKA

| | | | |
|---|---|---|---|
| PROPERTY: Timber Ck | HOLE NO.: DDH-1 | LOCATION.: UPPER Discovery | |
| ELEVATION: 4400' | ANGLE: -45° | BEARING: S30W | |
| TOTAL DEPTH: 600' | DATE STARTED: 6/19/88 | DATE COMPLETED: 6/20/88 | |
| DRILLER: FREEMAN/COLE | DRILL: BB-15 | LOGGED BY: M+M | |
| GRID COORDINATES: | SCALE: 1" = 10' | Sheet 6 of 9 | |

Cominco Alaska

HOLE # DDH-UD-1 PROPERTY: UPPER DISCOVERY GRID COORDINATES :

| DEPTH | % RECOVERY | GRAPHIC LOG | COLOR | Open Fract. | Filled Fract. | Fracture Filling | Dip | Structure | DESCRIPTION | ALTERATION (Chl, K-spar, Sericite, SiO2, Carb, Clay) | MINERALIZATION (Py, Cp, Po, Asp, Mo) | SAMPLE NOS. (SPLITS) | ASSAY RESULTS Au ppb | Au opt | Ag ppm | Cu ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 420 | | | | | | | | | | | | | | | | |
| | 100 | | | | | | | | from ~ 421 to 451' cp-Aspy coatings on fx 1/2 ft (2/10 ft) 40° c/a | | tr tr | 421 | | | | |
| 425 | | | | Cp-Aspy 1/2 ft | | 40° | | | | | | 411604 (40.0') | 116 | | 2.4 | 202 |
| | 90 | | | | | | | | | | tr tr | | | | | |
| 430 | | | | | | | | | | | | 431 | | | | |
| SK 431 | | | | | | | | | | | | | | | | |
| | 100 | | | | | | | | | | tr tr | | | | | |
| 435 | | | | | | | | | | | | 411605 (111.0') | 172 | | 0.7 | 297 |
| 440 | 100 | | | | | | | | | | | | | | | |
| 442 | | | | | | | | | white carbonate on fractures | | | 442 | | | | |
| | 100 | | | | | | | | | | | 411606 (90') | 202 | | 0.6 | 302 |
| 450 | | | | | | | | | | | | | | | | |
| 451 | | | | | | | | | 451': 1' zone of gray green SR alteration | | tr tr | 451 | | | | |
| | 80 | | | | | | | | | | | | | | | |
| 456 | | | | | | | | | | | | | | | | |
| 460 | 100 | | | | | | | | | | | | | | | |
| 465.5 | | | | | | | | | | | | | | | | |
| 470 | 100 | | | | | | | | | | | | | | | |
| 475 | | | | | | | | | | | | | | | | |
| 480 | 100 | | | | | | | | | | tr | | | | | |
| 485 | | | | | | | | | | | | 485 | | | | |
| 490 | | | | | | | | | | | tr | 411607 | 172 | | 0.5 | 167 |

Boy #44 | Boy #45 | Boy #46 | Boy #47 | Boy #48 | Boy #49 | Boy #50 | Boy #51

COMINCO ALASKA

| | | | |
|---|---|---|---|
| PROPERTY: Tim Beck Creek | HOLE NO.: DDH-1 | LOCATION.: Upper Discovery | |
| ELEVATION: 4400' | ANGLE: -45° | BEARING: S 30W | |
| TOTAL DEPTH: 600' | DATE STARTED: 8/19/88 | DATE COMPLETED: 8/28/88 | |
| DRILLER: Foreman/Cole | DRILL: BB-15 | LOGGED BY: MAM | |
| GRID COORDINATES: | SCALE: 1" = 10' | Sheet 7 of 9 | |

Cominco Alaska

HOLE # DDH-UD-1 PROPERTY: Upper Discovery GRID COORDINATES :

| DEPTH | % RECOVERY | GRAPHIC LOG | COLOR | Open Fract. | Filled Fract. | Fracture Filling | Dip | Structure | DESCRIPTION | ALTERATION (Chl, Ser, Sil, Carb, Clay) | MINERALIZATION (Py, Cp, Po, Apy, MoS2) | SAMPLE NOS. (SPLITS) | ASSAY RESULTS Au ppb | Au opt | Ag ppm | Cu ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 490 | | | | | | | | | | | | | | | | |
| 491 | 70 | | | | | | | | | | | 411607 (8.5') | | | | |
| 494 | | | | | | | | | | | tr | | | | | |
| 500 | 100 | | | | | | | | | | | | | | | |
| 501 | | | | | | | | | | | | | | | | |
| 505 | 80 | | | | | | | | | | | | | | | |
| 510 | | | | | | | | | | | | | | | | |
| SK | | | cp-chl-ft 1/ft - 2/ft | | | | 4/60° | | @ 512' 1" qz vein w $MoS_2$-Py-Cp<br>@ 513' 1/4" qz vein w Cp | | tr tr tr tr | 511 | | | | |
| | | | | | | | | | | | | 411608 (7.0') | 202 | | 0.8 | 341 |
| 520 | | | | | | | | | | | | 519 | | | | |
| | | | | | | | | | | | | 411609 (5.0') | 76 | | 0.4 | 111 |
| | | | | | | | | | | | | 524 | | | | |
| | | | | | | | | | | | | 411610 (6.5') | 1/2 | | 0.7 | 181 |
| 530 | | | | cp-chl-qz 2/ft | | | 4/60° | | | | tr tr tr | 529.5 | | | | |
| | | | | | | | | | | | | 411611 (8.5') | 314 | | 0.6 | 116 |
| | | | | | | | | | | | | 539 | | | | |
| 540 | | | | qz-cp-chl 2/ft | | | 4/60° | | qz veinlets 30-40° c/a | | tr tr tr | 411612 (5.0') | 296 | | 0.6 | 300 |
| SK | | | | | | | | | | | | 544 | | | | |
| | | | | | | | | | | | | 411613 (8.5') | 212 | | 0.7 | 166 |
| 550 | | | | | | | | | | | | 549.5 | | | | |
| | | | | cp-chl 1/ft → 2/ft | | | 4/60° | | | | | 411614 (5.5') | 40 | | 0.8 | 148 |
| | | | | | | | | | | | | 551.5 | | | | |
| 560 | | | | | | | | | | | | 411615 | 1/2 | | <.1 | 118 |

COMINCO ALASKA

| | | | |
|---|---|---|---|
| PROPERTY: Timaze Creek | HOLE NO.: DDH-1 | LOCATION.: Upper Discovery | |
| ELEVATION: 4400' | ANGLE: -46° | BEARING: 530W | |
| TOTAL DEPTH: 600' | DATE STARTED: 8/19/88 | DATE COMPLETED: 8/23/88 | |
| DRILLER: Forsman / Cole | DRILL: BB-15 | LOGGED BY: MAM | |
| GRID COORDINATES: | SCALE: 1" = 10' | Sheet 8 of 9 | |

Cominco Alaska

HOLE # DDH-1 PROPERTY: UPPER DISCOVERY GRID COORDINATES :

| DEPTH | % RECOVERY | GRAPHIC LOG | COLOR | Open Fract. | Filled Fract. | Fracture Filling | Dip | Structure | DESCRIPTION | ALTERATION (chl, ser, sio2, carb, clay) | MINERALIZATION (py, cp, po, Asy, MoS2) | SAMPLE NOS. (SPLITS) | ASSAY RESULTS Au ppb | Au opt | Ag ppm | Cu ppm |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 560 | | | | | | | | | | | | | | | | |
| | 100 | | | | | | | | | | | 4/11615 (6.5') | | | | |
| SK 565 | | | | cp-chl-py 1/ft | | | | | | | | | | | | |
| | | | 60° | | | | | | 571-72' gray-green Sr-chl alt: 60° c/a | | | 4/11616 (5.0') | 36 | | 2.4 | 87 |
| 570 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 4/11617 (7.0') | 54 | | 0.5 | 124 |
| 580 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | 4/11618 (9.0') | 126 | | 0.6 | 263 |
| 585 | | | | | | | | | | | | | | | | |
| 590 | | | | | | | | | | | | 4/11619 (10') | 80 | | 0.6 | 185 |
| SK 595 | | | | | | | | | @ 595' Either a large (0.5') xenolith or a mafic dike x cut by a chl-cp fx @ 40° c/a | | | | | | | |
| SK 600 | | | | | | | | | @ 600' [S3W] -45 corrected S28W] -45 | | | 4/11620 (5.0') | 96 | | 2.4 | 282 |
| | | | | | | | | | T.D. 600' | | | | | | | |

COMINCO ALASKA

| | | | |
|---|---|---|---|
| PROPERTY: Timber Creek | HOLE NO.: DDH-1 | LOCATION.: UPPER DISCOVERY | |
| ELEVATION: 4460' | ANGLE: -45° | BEARING: S30W | |
| TOTAL DEPTH: 600' | DATE STARTED: 8/19/88 | DATE COMPLETED: 8/28/88 | |
| DRILLER: FOREMAN / COLE | DRILL: BB-15 | LOGGED BY: MAM | |
| GRID COORDINATES: | SCALE: 1" = 10' | Sheet 9 of 9 | |

Estelle-Timber Creek
Drilling
Lower Discovery DDH-1
1987 Drill Log
AK, Tyonek D-8

AK-061150-8
Technical

map: Tyonek

COMINCO ALASKA

HOLE # LD #1 PROPERTY: TIMBER CK. GRID COORDINATES:


Biotite GRANITE: equigranular to slightly porphyritic

0- : twinned plag, K-spar, quartz, and biotite in sub-equal amounts, biotite as euhedral to ragged 1/16" grains and as chloritized xenolithic aggregates 1/4 to 1/2" diameter, free biotite is variably chloritized, 4.6 - 5.1: % of biotite doubles in zone of either 1) alteration 2) dike 3) xenolith, hbl. probably originally present, but now altered to chlorite

Beginning at 17.8 notable increase in alteration 17.8 - 20.8: chloritically and mod. sericitically alt. granite, possible K-spar alt., much less fresh biotite, sericitization increasing downwards, 2" zone of 1/4" qtz + ccp (?) fracts at 19.4, becomes mildly calcareous in this interval,

20.8 - 22: intensely sericitized, possible silvery chlorite, dissem clots of ccp,

22 - 23.2: as per 17.8 - 20.8, less chlorite, poss. more sericitic alt.

23.2 - 32.4: min. fracts. evenly spaced average 9/ft., mainly qtz ± ccp to 27.7, then ccp ± qtz ± po fracts. become common, locally a few qtz + ccp fracts cross cut the main set acutely, zones of weakly dissem. ccp between fractures

32.4 - 33.4: zone of mod sericitization as above, but without fracts

33.4 - 35.1: qtz ± ccp + ccp ± qtz in flat fracts.

35.1 - 44.4: weakly alt. biotite granite, ext. minor sulfs, fresher than rocks so far, but basically as per top of hole

44.4 - 45.7 - sharp increase in sericit, dissem ccp.

47.9 - 48.4:, 49.7 - 50.2: 58.0 - 63.6: sericitic zones, mnr. ccp upper two v.minor ccp in lower interval) all zones weakly calcareous

45.4 - 100: other than zones mentioned above, this is xenolithic, weakly chloritized granite, v.minor sulfidic fracts., traces of dissem. ccp, competent, good recovery, looks barren overall

GMC Data Report 390

COMINCO ALASKA

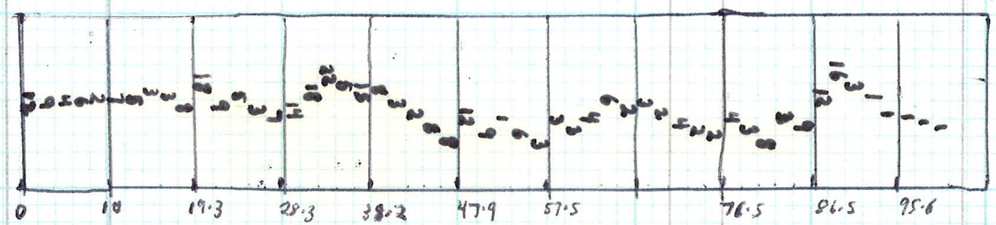
PROPERTY: TIMBER CK
ELEVATION:
TOTAL DEPTH: 100'
DRILLER: Gary
GRID COORDINATES:

LOCATION: LOWER DISC.
HOLE NO: L.D. #1
BEARING: 45° @ N50E
ANGLE: 45°
DATE STARTED: 7/14/87
DATE COMPLETED: 7/17/87
DRILL: Hydrowink
LOGGED BY: LEY
SCALE: 1"=10'
Sheet 1 of 2

COMINCO ALASKA

HOLE # LD # 1 PROPERTY: Timber Ck. GRID COORDINATES:

| DEPTH | Engineering Comments | Graphic Log | Open Fracture Intensity | Filled Fracture Intensity | Fracture Filling | Dip | Color | DESCRIPTION | ALTERATION Graphic | ALTERATION | METAL ESTIMATE | Sample Nos. (Splits) | ASSAY RESULTS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 70 | essentially 100% | | | | | | | 72.2 - 72.8 : biotitized green argillite xenolith | | | | | |
| 80 | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | |




COMINCO ALASKA

| | | | |
|---|---|---|---|
| PROPERTY: | HOLE NO: | LOCATION: | |
| ELEVATION: | ANGLE: | BEARING: | |
| TOTAL DEPTH: | DATE STARTED: | DATE COMPLETED: | |
| DRILLER: | DRILL: | LOGGED BY: LEY | |
| GRID COORDINATES: | SCALE: | Sheet 2 of 2 | |

Dan MT ESTELLE PER DPS 9/15/87

DRILL HOLE #1 20+26 5/8 N 29+59 5/8 E

DRILL HOLE #2 20+63 5/8 N 29+38 E

#3 20+63 N 29+33 5/8 E

#4 19+69 N 29+78 E

#5 19+75 N 30+05 E

# Lower Discovery L.D.1

## Assay Compilation

ADD AS LAST COLUMN

| Hole # | Sample # | Interval | Thickness | Au ppm | Au ft·ppm | Ag ppm | Ag ft·ppm | Cu % | Cu ft·% | | Fire Assay Au oz/T |
|---|---|---|---|---|---|---|---|---|---|---|---|
| L.D. 1 | 200301 | 0-5' | 5.0 | .920 | 4.6 | <.4 | | .037 | | | 0.032 |
| | 302 | 5-10 | 5.0 | 1.154 | 5.77 | <.4 | | .025 | | 15' of .022oz/T Au | 0.038 |
| | 303 | 10-15 | 5.0 | 1.304 | 6.52 | 1.0 | | .060 | | | 0.042 |
| | 304 | 15-17.8 | 2.8 | .684 | 1.92 | 0.8 | | .017 | | | |
| | 305 | 17.8-20.8 | 3.0 | .724 | 2.17 | <.4 | | .055 | | | |
| | 306 | 20.8-22 | 1.2 | .102 | 0.122 | 1.4 | | .001 | | | |
| | 307 | 22-23.2 | 1.2 | .520 | 0.62 | <.4 | | .024 | | | |
| | 308 | 23.2-28.3 | 5.1 | 1.584 | 8.08 | 0.6 | | .014 | | | 0.046 |
| | 309 | 28.3-30.2 | 1.9 | 1.602 | 3.04 | 1.3 | | .050 | | 10' of .057oz/T Au | 0.052 |
| | 310 | 30.2-32.4 | 2.2 | 2.830 | 6.23 | 0.5 | | .099 | | | 0.094 |
| | 311 | 32.4-33.4 | 1.0 | 1.396 | 1.39 | <.4 | | .034 | | | 0.046 |
| | 312 | 33.4-35.1 | 1.7 | .120 | 0.20 | <.4 | | .008 | | | |
| | 313 | 35.1-40.1 | 5.0 | .106 | 0.53 | 0.4 | | .005 | | | |
| | 314 | 40.1-44.4 | 4.3 | .146 | 0.60 | 0.8 | | .006 | | | |
| | 315 | 44.4-45.7 | 1.3 | .024 | 0.03 | 0.4 | | .001 | | | |
| | 316 | 45.7-47.9 | 2.2 | .080 | 0.18 | 0.8 | | .017 | | | |
| | 317 | 47.9-48.4 | 0.5 | .032 | .016 | <.4 | | .001 | | | |
| | 318 | 48.4-49.7 | 1.3 | .054 | 0.07 | 0.6 | | .001 | | | |
| | 319 | 49.7-50.2 | 0.5 | <10 | — | <.4 | | .001 | | | |
| | 320 | 50.2-63 | 12.8 | .024 | 0.30 | 0.5 | | .006 | | | |
| | 321 | 63-63.6 | 0.6 | .094 | 0.06 | 0.5 | | .006 | | | |
| | 322 | 63.6-65 | 1.4 | .048 | 0.07 | <.4 | | .006 | | | |

| Hole # | Sample # | footage | Thickness' | Au | | Ag | Cu | Est. oz/t Est. grade by fire Assay (ppm ÷ 34.3) 1.2 |
|---|---|---|---|---|---|---|---|---|
| | 200323 | 65-70 | 5' | .074 | .37 | <.4 | .006 | |
| | 324 | 70-80 | 10' | .046 | .46 | <.4 | .003 | |
| | 325 | 80-90 | 10' | .0212 | .21 | <.4 | .010 | |
| | 326 | 90-100 | 10' | .0148 | .15 | <.4 | .006 | |

Recovery log

| To | From | interval | Core recovered | % Recovery | Number of Pieces |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Geologic log

Vein sets: qtz with no envelopes
qtz with bleached envelopes
sulfides no qtz
fractures
} Number per foot

Sulfides:

Vein disseminated [Py, Cpy, Po, Asp] % of rock on 1 to 5 foot basis

Alteration: sericite
silicification
chlorite
} % of rock in 1 to 5 intervals

Rock:

Try to quantify Minerals then give rock name.

Estelle-Timber Creek
Drilling
Lower Discovery DDH-2
1987 Drill Log
AK, Tyonek D-8

|AK-061150-8
Technical

map: Tyonek

COMINCO

HOLE LD # 2 PROPERTY: TIMBER CK. GRID COORDINATES: SHEET 1 of 2

PROPERTY TIMBER CK. ELEVATION ____ DATE STARTED 7/17/87 DATE ENDED 7/19/87

LOGGED BY LEY DRILLER GARY ORIENTATION 45° @ N50E TOTAL DEPTH 103'

COMINCO ALASKA

| DEPTH | open fr/ft. -dip | GRAPHIC LOG | % recov. | closed fr. filling -dip, # ft. | closed fr. filling -dip, # ft. | closed fr. filling -dip, # ft. | DESCRIPTION | ALTERATION biotite | seric. | chlor. | K-spar | silica | carb. | % SULFIDE ESTIMATE ccp | ASSAY RESULTS Au | SAMPLE NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | 90% | | | | 0-10: overburden | | | | | | | | | |
| 10 | 1/3 70° to vert. | | 80% 84 94 | ccp+Q+ser+py flat, 12 | Q± ccp 33,108 25,33 | | 10-10.9: overburden mixed with pieces of sericitically + chloritically-alt. intrusive, probably some subcrop | | | | | | | | 10 200236 10-10.9 | .46 |
| | | | | 5-10,4 | | | 10-13.5: definitely outcrop, mod. to strongly chloritized and mod. sericitized biotite-granite, ccp ± qtz. abundant on fractures, probably some $SiO_2$ added, subvery-biotite (?) alt. | W? | M | to 10 | ? | W | 0.1 | 200236 10-10.9 | .46 |
| | | | | ccp+Q+ser+py 20°, 8 | | | 13.5-14.8: upper ½ intensely qtz veined, appears to have been intensely sericitized followed by intense silica flooding, late ccp ± qtz fracts cut the parallel qtz veinlets, ccp veinlets dip opposite direction from qtz veinlets, lower ½ is intensely sericitized, sugary, and probably strongly potassically altered, cg clots of ccp. | ? | Sf | <5 | W-Sf | W-Sf | 0.2 | 200237 13.5-14.8 | 1.89 |
| | | | | | | | | ? | M | <5 | W-M? | B-M | | 0.1 | 200238 14.8-18.9 | 6.4 |
| 20 | very minr. 60° | | 100 | ccp±Q+po+ser 20 to 30°, ½ | Q± ccp very minor | | 14.8-18.9: parallel ccp ± qtz, ser. fracts in mod sericitized, variably K-spar altered, weakly chloritized granitic rusty, densely qtz veined 14.8-15.7 | | V. wk to M | 5 | Ø to Wk? | | | tr | 200240 18.9-19.8 | 2.0 |
| | | | | | | | 18.9-24.5: overall weakly altered xenolithic biotite-granite with ccp ± qtz and sericite selvages along fractures, 18.9-19.8 broken out as a spl. interval, assoc. w/ greater joint density | | W to M | 5 | | | | tr | 200240 18.9-19.8 | .79 |
| | 1 5° to 60° | | 100 | ccp±Q+ser | Q± 40° ccp V. minr. | | | | W to M | 5 | | | | tr | 200240 24.5-25.8 | .92 |
| 30 | 1 60 to 70° | | ? | ccp±qtz+ser 30 to 40° min. | | | | | W to M | 5 | Ø to Wk | V. min. | | tr | 200242 25.8-28.2 | .192 |
| | min. 70° | | 100 | ccp±Q±ser 20°, 2 | | | | | W to M | 5 | Ø to Wk | V. min. | | tr | 200242 25.8-28.2 | .68 |
| | | | | | | | 24.5-25.8: v. wk. alt intrusive, enc. sulfidic fractures. | | M | <5? | wk | | | 0.2 | 200243 28.2-31.1 | 1.56 |
| | | | | | | | 25.8-28.2: increase in sericite and possible local increase in K-spar alter, minor fracts, some dissem ccp | | Vwk to Wk | 5 | | | | tr | 200244 31.1-35.2 | .588 |
| 40 | 1/4 60° to 70° | | 100% | ccp±qtz/ser/po<<asPy 20° to 30° ± 10 | | | | | Ø? to V. Wk | <5 ± | | | | << tr. | 200245 35.2-64.2 | .204 |
| | | | | | | | 28.2-31.1: sim. to above, but more sericitized overall and has small zone of abundant ccp on fracts. | | | | | | | | | |
| | | | | | | | 31.1-35.2 - wk sericitic to relatively fresh intrusive, evenly but widely-spaced fractures | | | | | | | | | |
| 50 | | | | | | | 35.2-64.2 - v. wk. alt. relatively fresh xenolithic biotite granite, even the chlorite content seems lower than expected (<5%), base of interval defined by 1st appearance of significant qtz ± ccp, asPy veinlets | | | | | | | | 45 200246 55 | .232 |
| | | | | | | | 64.2-70.9 - beautifully parallel qtz ± ccp + asPy veinlets spaced 13 to a foot, subtle weak sericitization at selvages; rusty-weath. ccp ± po, asPy, qtz fracts. are very rare and may postdate qtz-fracts. | | | | | | | | 200247 64.2-65.1 | .28 |
| 60 | | | | | | | | | | | | | | | | |
| | 1/2 70° to 30° | | 100 | ccp+po, asPy, qtz 35° to 40°, very sl arose | Ztz ± ccp, asPy, ser. 30° to 40°, 13 | | | | Ø to Wk | <5 to 5? | | | | tr | 200249 65.1-70.0 | .246 3.24 |
| 70 | | | | | | | | | | | | | | | | |

COMINC

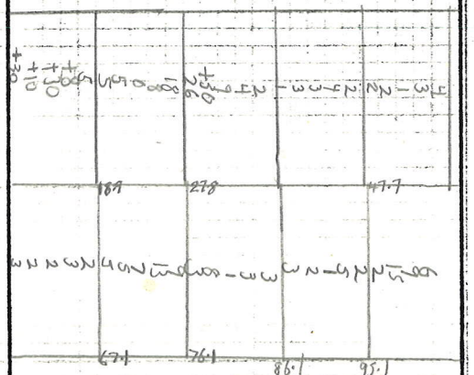
HOLE: LO # 2 PROPERTY: TIMBER CREEK GRID COORDINATES: SHEET 2 of 3

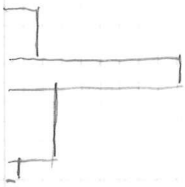
PROPERTY TIMBER CK. ELEVATION ____ DATE STARTED 7/17/87 DATE ENDED 7/19/87

LOGGED BY LEY DRILLER GARY ORIENTATION 45° @ N50E TOTAL DEPTH 103'

COMINCO ALASKA

| DEPTH | open fr/ft. -dip | GRAPHIC LOG | % recov. | closed fr. filling --dip, # ft. | closed fr. filling --dip, # ft. | closed fr. filling --dip, # ft. | DESCRIPTION | ALTERATION biotite | seric. | chlor. | K-spar | silica | CARB | CLAY | % SULFIDE ESTIMATE ccp | ASSAY RESULTS Au | SAMPLE NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 70 | | | | | | | see previous page to 70.9' | | | | | | | | | | |
| | 2 50, 70, 30 | | 100 | | qtz sparse calcrml Su log 5-10, 14 | | 70.9-75: mod. to intense sericitization, weak to mod. K-spar alt.(?) most of interval mod. to weakly calcareous, most intensely alt. rock is white, latter(?) overprint of parallel qtz. fracts from 71.2-71.9, sulfides of assoc. py, ccp are sparse and consist of fine blebs and fractures. | | | | | | | | | |
| | spar 70 to 80 | | 100 | | qtz | | | | | | | | | | | | |
| 80 | 1/2 2 40° 50 to 70° vnlt | | | | | | 75-78.7: fairly fresh appearing intrusive with identical qtz fracts as 64.2-70.9, but perhaps less sulfides, lower density of qtz. results from 77.41-78.7 | | | | | | | | | | |
| 90 | | | | | | | 78.1-98.1: essentially unmineralized xenolithic biotite granite, only thin zone of silicification from 91.6-92' with massive 98.1-98.9': this zone as per 91.3 to 92', but calcareous. | | | | | | | | | | |
| 100 | 2 50, vert | | 100 | | | | 98.9-103: other than minor zones of sericitization which is slightly calcareous, rocks are as per 78.7-98.1, minor disseminated ccp and/or py. at base | | | | | | | | | | |





# Lower Discovery
## Assay Summary
## L.D. 2

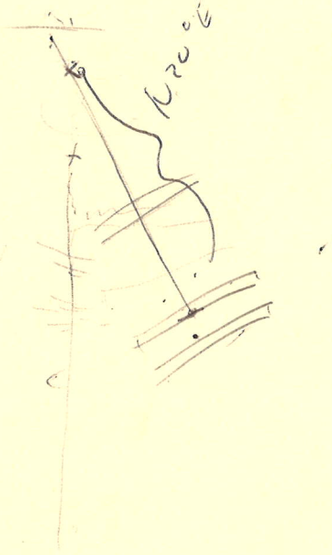
add oz/t last column

| Hole # | Sample # | Interval | Thickness | Au ppm | Au ft-ppm | Ag ppm | Ag ft-ppm | Cu % | Cu ft-% | | oz/t ~~Est. grade by~~ fire Assay ~~(ppm)~~ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| L.D.2 | | 0-10 | 10 | Overburden | | | | | | | |
| | 200235 | 10-10.9 | 0.9 | .460 | 0.414 | <.4 | | .033 | | .460 | |
| | 236 | 10.9-13.5 | 2.6 | 1.890 | 4.914 | 1.8 | | .094 | | 1.89 | .07 Au |
| | 237 | 13.5-14.8 | 1.3 | 6.400 | 8.320 | 9.2 | 11.96 | .68 | .88 | 5.1' of .094 oz/t | .196 |
| | 238 | 14.8-18.9 | 4.1 | 2.000 | 8.200 | 2.6 | 10.66 | .182 | .75 | 1.09 Au | .062 |
| | 239 | 18.9-19.8 | 0.9 | .796 | 0.716 | 0.8 | | .089 | | | |
| | 240 | 19.8-24.5 | 4.7 | .918 | 4.315 | <.4 | | .029 | | | .014 |
| | 241 | 24.5-25.8 | 1.3 | .142 | 0.185 | <.4 | | .012 | | | |
| | 242 | 25.8-28.2 | 2.4 | .680 | 1.632 | <.4 | | .041 | | ~~46.2'~~ @ | |
| | 243 | 28.2-31.1 | 2.9 | 1.564 | 4.536 | .6 | | .092 | | 0.453 | .056 |
| | 244 | 31.1-35.2 | 4.1 | .588 | 2.411 | <.4 | | .029 | | | |
| | 245 | 35.2-45 | 9.8 | .204 | 1.999 | <.4 | | .010 | | | |
| | 246 | 45-55 | 10 | .232 | 2.320 | <.4 | | .023 | | | |
| | 247 | 55-64.2 | 9.2 | .280 | 2.576 | <.4 | | .013 | | | |
| | 248 | 64.2-65.1 | 0.9 | .246 | 0.221 | <.4 | | .017 | | | |
| | 249 | 65.1-70 | 4.9 | 3.240 | 15.876 | <.4 | | .016 | | 5.8' of 0.023 oz/t Au ~~3.134~~ | .010 |
| | 250 | 70-70.9 | 0.9 | 2.560 | 2.304 | <.4 | | .006 | | ~~(.09)~~ | .092 |
| | 200351 | 70.9-75 | 4.1 | .160 | 0.656 | <.4 | | .020 | | | |
| | 352 | 75-77.4 | 2.4 | 2.690 | 6.456 | <.4 | | .007 | | | .088 |
| | 353 | 77.4-78.7 | 1.3 | .812 | 1.057 | <.4 | | .002 | | ~~32.4~~ @ .421 | |
| | 354 | 78.7-86.1 | 7.4 | .304 | 2.249 | <.4 | | .013 | | | |
| | 355 | 86.1-96 | 9.9 | .190 | 1.881 | .4 | | .019 | | | |
| | 356 | 96-98.1 | 2.1 | .188 | 0.395 | .5 | | .035 | | | |
| | 357 | 98.1-98.9 | 0.8 | .094 | 0.075 | .6 | | .012 | | | |
| | [illegible] | [illegible] | 4.4 | .202 | 0.889 | .7 | | .041 | | | |

Summary

| Interval | Thickness | Au ppm | Au opt | Ag | Cu % |
|---|---|---|---|---|---|
| 0-10 | 10 | Overburden | | | |
| 10-10.9 | 0.9 | .460 | | Tr | Tr |
| 10.9-13.5 | 2.6 | 1.890 | | < D | D |
| 13.5-18.9 | 5.4 | 3.059 | | 4.19 | 0.30 |
| 18.9-65.1 | 46.2 | .453 | | < D | D |
| 65.1-70.9 | 5.8 | 3.134 | | < D | D |
| 70.9-103.3 | 32.4 | .421 | | < D | D |
| | 103.3 | | | | |

ppm = Geochem Analysis
opt = Fire Assay
D = Detectable
< D = Less Than Detectable
Tr = Trace




31

4.9

COMINC

HOLE DDH LD-3 PROPERTY: TIMBER CK. GRID COORDINATES: SHEET 1 of 2

DDH Lower Discovery 3
COMINCO ALASKA

PROPERTY Timber CK. ELEVATION DATE STARTED DATE ENDED

LOGGED BY LEY DRILLER Gary ORIENTATION 45° @ 550W TOTAL DEPTH 101.0

| DEPTH | open fr/ft. -dip | GRAPHIC LOG | % recov. | closed fr. filling --dip, # ft. | closed fr. filling --dip, # ft. | closed fr. filling --dip, # ft. | DESCRIPTION | ALTERATION biotite | seric. | chlor. | K-spar | silica | CLAY | carb. | % SULFIDE ESTIMATE ccp | ASSAY RESULTS Au | SAMPLE NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | | | | | | | 0-13: overburden, possibly some rubble crop, but difficult to tell | | | | | | | | | | |
| | | | 45% | | | | 13-26: mod. to strongly sericitized intrusive, mostly bleached white, probably at least some K-spar alteration, and minor clay-alt., non-calc to weakly calcareous, near 17.1 are less altered, more chloritized material with an almost microbrecciated texture | ? | M to St | WI to M? | <5 | WI | WI | tr | 13.0 | 200327 | |
| 20 | 25 | | 100% | | | 70° to 80°, sparse qtz | | | | | | | | | | 17.1 | 200328 | 02 |
| 25 | 70-80 | | | ser ± qtz ± clay ± carb | 115-20 prom. 5 sets | qtz very sparse | 26-92.4 xenolithic biotite-granite with cloudy feldspar, dusky looking, fine grained matrix and more porphyritic than appearance than Ld-1 or Ld-2 intervals, more than matrix darkness may be zipper qtz veins this also contributes to darker aspect, sparse sericitized fractures and zones of sericitized inclusions ± clay at 36.2-37.3, and 40.7-41.4, aplitic fractures at 38.5, $CaCO_3$ ± sericitic fracture at 37.0, other sericitic fractures not broken out | | M to St | WI to M? | <5 | | WI | tr | 21.9 | 200329 | N |
| | | | | | | | | | | | | | | | | 26 | 200330 | N |
| | | | | | | | | | W to M? | 5 to 10 | | | | | | 31 | 200331 | N |
| | | | | | | | | | | | | | | | | 36.2 | 200332 | 02 |
| | | | | | | | | | | | | | | | | 37.3 | 200333 | 08 |
| | | | | | | | 42.4-46.2 - sericitized interval, green colored, clay feldspars impart a porphyritic appearance, abundant parallel fractures of po-ccp-clay, some calcarsons fracts | | | | | | | | | 42.4 | | |
| | +2 | | 100% | po, ccp, clay, qtz | 60-65° | | | | W to M | 5-10 | ? | | Ø to WK | | tr | | 200334 | 666 |
| | | | | | | | 46.2-53.4: decrease in overall sericitization, subtle (parallel) qtz-ccp-po-clay fracts with sericitic selvages spaced 2 to 2" apart, note that alt. selvages are very weak | | | | | | | | | 46.2 | | |
| | 1/2 | 70° | 100% | as above | 60°-65°, 6 | | | | | | | | | | | | 200335 | 83 |
| | | | | | | | 53.4-56 - similar to above interval, but with pervasive sericitization, less fracts., and cross-fracturing | | W | 5 | | | | 0.1 | | 200336 | 92 |
| | | | | | | | | | | | | | | | | 49.8 | | |
| | +2 | 70° to 20 | 100 | " " | 70°(?) sparse | | | | W to M? | <5 to >5 | ? | | | | tr | | 200337 | 61 |
| | | | | | | | | | | | | | | | | 53.4 | | |
| | 1 | 80-90° 20-30° | 100% | " " | 45, 60° sparse | | | | W | 5 | | | | | tr | | 200338 | 06 |
| | | | | | | | 56-60.4 - mod. fresh xenolithic biotite-granite, sparse ccp-clay(?) ± qtz fracts, one 1" ser. fracture. | | | | | | | | | 56 | | |
| | | | | | | | 60.4-79 - fairly fresh xenolithic biotite-granite, some sericite alt on fractures, possible clay on fracture at 71.6, V. sparse ccp on fracts., mafic-rich intrusive xenolith at 82 | | | | | | | | | 60.4 | | |
| | 1/2 to 1 | 70° to 80° 20-30° | 100% | ccp + qtz | 40°(?) Very sparse | | | | V. WK | 5-> 5 | | | | | tr | | 200339 | 086 |

PROPERTY ______ ELEVATION ______ DATE STARTED ______ DATE ENDED ______

LOGGED BY ______ DRILLER ______ ORIENTATION ______ @ ______ TOTAL DEPTH ______

COMINC

HOLE ______ PROPERTY: ______ GRID COORDINATES: ______ SHEET 2 of 2

## COMINCO ALASKA

| DEPTH | open fr/ft. -dip | GRAPHIC LOG | % recov. | closed fr. filling -dip, # ft. | DESCRIPTION | ALTERATION: biotite | seric. | chlor. | K-spar | silica | % SULFIDE ESTIMATE: ccp | Sample interval | ASSAY RESULTS | SAMPLE NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 70 | | | | | 79-101: one shade lighter than overlying interval - color changes caused by one or combination of listed factors; 1) less qtz. 2.) slightly finer grain size 3.) subtle clouding of feldspars due to sericitization. Hardness tests suggest this interval is more sericitized | | | | | | | 70.3 | | |
| | | | | | | | | | | | | 200340 | N | |
| 80 | | | | | | | | | | | | 79 | | |
| | | | 100 % | aspy 40°, very sparse | | | W 5 | | | | ? | 200341 | N | |
| 90 | 1/2 | | | | | | | | | | | 89 | | |
| | 70°, 20 to 30° | | | | | | | | | | | 200342 | .04 | |
| 100 | | | | | | | | | | | | 101 | | |

6
2
2
2
8
3
3
5
5
11
3
2
8
8
4
+17
+15
5
10
5
+16
+15

43.3
25.5
17
0

3
1
2
3
7
1
2
3
3
2
2
3
5
5
2
2
3
8
2
10
1
16

72.5
83
74
63.7
63.7

# Lower Discovery
## Assay Compilation
## L.D. 3

comment

| Hole # | Sample # | Interval | Thickness | Au ppm | Au ft·ppm | Ag ppm | Ag ft·ppm | Cu % | Cu ft·% | Est oz/t Est. grade by fire Assay (ppm ÷ 34.3) 1.2 |
|---|---|---|---|---|---|---|---|---|---|---|
| L.D. 3 | | 0-13 | 13' | Overburden | | | | | | |
| | 200327 | 13-17.1 | 4.1 | | | .6 | | .003 | | |
| | 328 | 17.1-21.9 | 4.8 | .020 | .096 | <.4 | | .001 | | 29.4' @ <.10 |
| | 329 | 21.9-26 | 4.1 | <.010 | .040 | <.4 | | .001 | | |
| | 330 | 26-31 | 5.0 | <.010 | .050 | <.4 | | .002 | | |
| | 331 | 31-36.2 | 5.2 | <.010 | .052 | <.4 | | .002 | | |
| | 332 | 36.2-37.3 | 1.1 | .020 | .022 | <.4 | | .005 | | |
| | 333 | 37.3-42.4 | 5.1 | .080 | .408 | <.4 | | .006 | | |
| | 334 | 42.4-46.2 | 3.8 | .666 | 2.531 | 1.1 | | .055 | | |
| | 335 | 46.2-49.8 | 3.6 | .828 | 2.981 | .7 | | .083 | | 27.9' @ .688 |
| | 336 | 49.8-53.4 | 3.6 | .920 | 3.312 | .4 | | .058 | | |
| | 337 | 53.4-56 | 2.6 | .614 | 1.596 | 1.3 | | .027 | | |
| | 338 | 56-60.4 | 4.4 | .060 | .264 | <.4 | | .011 | | |
| | 339 | 60.4-70.3 | 9.9 | .860 | 8.510 | <.4 | | .009 | | |
| | 340 | 70.3-79 | 8.7 | <10 | .870 | <.4 | | .002 | | 30.7 @ <.10 |
| | 341 | 79-89 | 10.0 | <10 | 1.00 | <.4 | | .003 | | |
| | 342 | 89-101 | 12.0 | .040 | .480 | <.4 | | .003 | | |

### Summary

| Interval | Thickness | Au ppm | Au opt | Ag ppm | Ag opt | Cu % |
|---|---|---|---|---|---|---|
| 0-13 | 13 | Overburden | | | | |
| 13-42.4 | 29.4 | <.10 | | N.D. | | Tr |
| 42.4-70.3 | 27.9 | .688 | | Tr | | Tr |
| 70.3-101 | 30.7 | <.10 | | N.D | | Tr |
| | 101.0 | | | | | |

Estelle-Timber Creek
Drilling
Lower Discovery DDH-4
1987 Drill Log
AK, Tyonek D-8

|AK-061150-8
Technical

87

map: Tyonek K-8

COMINCO

PROPERTY Timber CK. ELEVATION ____ DATE STARTED ____ DATE ENDED ____

LOGGED BY LEY DRILLER Gary ORIENTATION 45° @ N50E TOTAL DEPTH 50.0

HOLE Lower Disc. 4 PROPERTY: TIMBER CK. GRID COORDINATES: SHEET 1 of 1

LD-DDH-4

COMINCO ALASKA

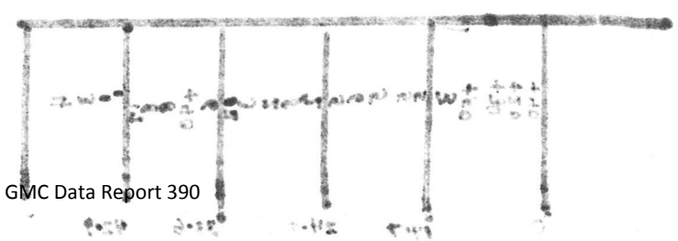
| DEPTH | open fr/ft. -dip | GRAPHIC LOG | % recov. | closed fr. filling -dip, # ft. | closed fr. filling -dip, # ft. | closed fr. filling -dip, # ft. | DESCRIPTION |
|---|---|---|---|---|---|---|---|
| 0 | | | | | | | 0-6.5: overburden |
| 10 | #1 to +2 30 to 40% vert. | | | ccp tr + qtz ± po | qtz 20° very minor | | 6.5-12.8: pervasively moderately sericitized biotite ± granite, frequent malachite staining - though sulfides appear minor, mm- qtz-ccp-aspy on fractures; v minor qtz veinlets; chloritized mafics, strong sericitization at 10.3 with dissem. ?po - ccp - aspy? V. weakly calcareous (locally) |
| | Scarce 60° | | | 20° sparse | | | 12.8-14.7: biotite ± K-fl granite, mafics pervasively chloritized, sparse, parallel mineralized fractures with ccp - aspy ± qtz |
| 20 | 1 70 to 80 | | | 25° 7 to 18 | qtz 25° Not broken out | | 14.7-21.0: as above, bnt with mod to abundant parallel qtz ± ccp - aspy fractures spaced 3" to 1/4", subtle sericitic alteration selvages on mineralized fractures, sparse angular xls |
| | | | | qtz ± ccp 10 to 15 8 | qtz ccp aspy 20-25 20 Not broken out | | 21.0-23.4: loose parallel fractures as above but qtz-dominant ± ccp, has sec to weakly sericitized alt. selvages |
| 30 | | | | | qtz ccp aspy 135° 25-30° 15 | | 23.4-30.7: mixed qtz-dominant and po-ccp-aspy dominant parallel veinlets, variable density |
| | +2 50% 70-80 | | | qtz 20° local | | | 30.7-32.0: similar to above, many of the parallel veinlets are thicker (1/2"), qtz-dominant veinlets, some po-ccp veinlets |
| | 1 60-70 | | | ccp ± qtz 5-10% 15 | | | 32-38.9: as above, bnt also overprinted with pervasive weak to mod. sericitization, minor development of ladder vein textures |
| 40 | +2 50% 60-70 | | | | | | 33.9-34.8: V. weakly alt. intrusive |
| | local 70-80° | | | | | | 34.8-38.0: pseudo-microbrecciated texture signals change to moderately to intensely sericitized intrusive, local dissem. py+aspy in gouged (?) intensely sericitized spotty (in) calcite stain occurs at 35.5 to 36.5, few parallel qtz-ccp fracts at base of interval, zone is commonly calcareous, sparse po or ccp-aspy fracts. |
| 50 | | | | | | | 38-40.1: 1/4"-1" spaced qtz ± ccp fracts in intrusive visibly less sericitized than above, fracture density decreases away from sericitized interval |
| | | | | | | | 40.1-42.9 - dissem. sulfs. on biotite, spotted texture of oxidized sulfide/biotite grains, |
| | | | | | | | 42.9-50: relatively fresh biotitic granite, basekshot xenoliths, minor sulfide at biotite sites, v. sparse qtz-po-ccp ± aspy fracts. |

| ALTERATION | biotite | seric. | chlor. | K-spar | silica | carb | % SULFIDE ESTIMATE ccp |
|---|---|---|---|---|---|---|---|
| | | M | 5-<5% | ? | | Ø to NK | tr |
| | | | 55 | | | | tr |
| | | W | 5 | ? | ? | | 0.1 |
| | | Ø-W | 5 to >5? | | | | tr |
| | | | 5 | | | | tr |
| | | W | 5 | | | | tr |
| | | W to M | +5 | ? | | | tr |
| | | M to W | <5 | ? | | Ø to M | tr |
| | | V. WK | <5 | | | | tr |
| | | V WK | <5 | | | | tr |
| | | | | | | | tr |

ASSAY RESULTS

SAMPLE NUMBER

0 14.7 24.2 33.6 42.9



# Lower Discovery
## Assay Compilation
## L.D. 4

| Hole # | Sample # | Interval | Thickness | Au ppm | Au ft·ppm | Ag ppm | Ag ft·ppm | Cu % | Cu ft·% | Au ppm (opt) | ~~Est. oz/t~~ ~~Est. grade by fire Assay (ppm ÷ 34.3 = oz/t~~ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| L.D.4 | | 0-6.5 | 6.5 | Overburden | | | | | | | |
| | 200359 | 6.5-10 | 3.5 | 1.652 | 5.78 | .5 | | .068 | | 6.3' @ .046 oz/T Au | .044 |
| | 360 | 10-12.8 | 2.8 | 1.064 | 2.98 | .4 | | .089 | | | .048 |
| | 361 | 12.8-14.7 | 1.9 | 1.038 | 1.97 | .5 | | .064 | | 16.9' @ 1.09 (.03) | |
| | 362 | 14.7-16.6 | 1.9 | .618 | 1.17 | .6 | | .067 | | | |
| | 363 | 16.6-18.6 | 2.0 | .880 | 1.76 | .6 | | .056 | | | |
| | 364 | 18.6-21 | 2.4 | 1.392 | 3.34 | 1.8 | | .112 | | 3.8' @ 0.044 oz/T Au | .050 |
| | 365 | 21-23.4 | 1.4 | 1.004 | 1.41 | 1.8 | | .106 | | | .034 |
| | 366 | 23.4-24.2 | 1.8 | .560 | 1.01 | .4 | .72 | .046 | | | |
| | 367 | 24.2-26.5 | 2.3 | .572 | 1.32 | .6 | 1.38 | .041 | | 5.1' @ ~~.504~~ (4.4 Ag) | |
| | 368 | 26.5-28.5 | 2.0 | .122 | 0.24 | E386.5 | 773.0 | .056 | | | |
| | 369 | 28.5-30.7 | 2.2 | 1.094 | 2.41 | 1.1 | 2.42 | .066 | | | .048 |
| | 370 | 30.7-32 | 1.3 | 2.520 | 3.28 | 6.2 | 6.76 | .100 | | 6.3' @ .060 oz/T Au | .068 |
| | 371 | 32-33.9 | 1.9 | 3.080 | 5.85 | 2.7 | 5.13 | .109 | | | .084 |
| | 372 | 33.9-34.8 | 0.9 | 1.060 | 0.95 | .6 | .54 | .026 | | | .034 |
| | 373 | 34.8-37.2 | 2.4 | .254 | 0.61 | 1.8 | 4.32 | .015 | | | |
| | 374 | 37.2-38 | 0.8 | .800 | 0.64 | 1.4 | 1.12 | .059 | | 15.2' @ .282 | |
| | 375 | 38-38.7 | 0.7 | 1.624 | 1.14 | 5.5 | 3.85 | .224 | | | .054 |
| | 376 | 38.7-40.1 | 1.4 | .652 | 0.91 | 2.3 | 3.22 | .121 | | | |
| | 377 | 40.1-42.9 | 2.8 | .136 | 0.38 | <.4 | — | .023 | | | |
| | 378 | 42.9-50 | 7.1 | .084 | 0.60 | <.4 | — | .009 | | | |

# Summary (L.D. 4)

| Interval | Thickness | Au ppm | Au opt | Ag ppm | Ag opt | Cu % |
|---|---|---|---|---|---|---|
| 0-6.5 | 6.5 | Overburden | | | | |
| 6.5-23.4 | 16.9 | 1.090 | | Tr | | Tr |
| 23.4-28.5 | 5.1 | .504 | | 151.98 | | Tr |
| 28.5-34.8 | 6.3 | 1.983 | | 2.36 | | Tr |
| 34.8-50 | 15.2 | .282 | | Tr. | | Tr |
| or | | | | | | |
| 26.5-34.8 | 8.3 | 1.534 | | 94.92 | | Tr |

Estelle-Timber Creek
Drilling
Lower Discovery DDH-5
1987 Drill Log
AK, Tyonek D-8

|AK-061150-8
Technical

map: Tyonek

COMINCO

HOLE 10-5 PROPERTY: TIMBER CR. GRID COORDINATES: SHEET 1 of 2

PROPERTY Thabeck ELEVATION ____ DATE STARTED ____ DATE ENDED ____

LOGGED BY LEY DRILLER Gary P. ORIENTATION 45° @ 50W TOTAL DEPTH 18

COMINCO ALASKA

| DEPTH | open fr/ft. -dip | GRAPHIC LOG | % recov. | closed fr. filling --dip, # ft. | closed fr. filling --dip, # ft. | closed fr. filling --dip, # ft. | DESCRIPTION | ALTERATION biotite | seric. | chlor. | K-spar | silica | % SULFIDE ESTIMATE ccp | ASSAY RESULTS | SAMPLE NUMBER |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | ? 60 to 70° | | ? 100% | qtz ± ccp ? | | | 0-8.9: Xenolithic biotite - granite, near-vertical microfract fractures are frequent | | | 5 | | | tr | | |
| 5 | 2 to 3 40° to 60° | | | qtz ± ccp, po, asp ? | | | 8.9-21.9: weakly to mod. ser. intrusive with vertical to steeply-dipping fractures - veinlets spaced ½ to 1 ft apart, latter structures locally develope in thicker veinlets | | W to M | 5 | W? | ? | 0.1 | | |
| 20 | v. minr. 70 | | 100 | | | | 21.9-24.7: decrease in sericitic alt., thinner, parallel veinlets with less sulfides, spaced ½" to several inches apart | | | | | | | | |
| | ext. Variable 40 | | | qtz ± ccp, po 70° to 90° ? ? ? 24 | | | 24.7-47.0 - relatively fresh xenolithic biotite-granite @ tz ± po ccp veinlets subparallel to core (all 39.2-40.0 mod) | | | | | | | | |
| 30 | | | 100 | | | | 43.6-44.7 | | 0 to W | 5 | | | | | |
| 40 | | | 100 | qtz ± po, ccp 70° very minor (also @ 25°) | | | 47-48.9: several 0.1 to 0.2 inch zones of moderate silicification in this interval (35-40°) qtz-po-ccp on fracts | | | | | | | | |
| | | | | | | | 48.9-82.1 - as prec. 24.7-47.0, thin zone ft. qtz-ccp-po veinlets at 57.8 | | | 5 | | | tr | | |
| 50 | | | 100 | qtz po ccp 75° very minor | Sea. | 35-40 4 | 82.1-98: see next page | | | 5 | | | tr? | | |
| 60 | 1½ 60 to 70, 30 to 40 | | 100 | qtz ± po, ccp 70°, very minor | | | | | | 5 | | | tr | | |
| 70 | | | | | | | | | | | | | | | |

PROPERTY _____ ELEVATION _____ DATE STARTED _____ DATE ENDED _____

LOGGED BY _____ DRILLER _____ ORIENTATION _____ @ ___ TOTAL DEPTH _____

COMINCO

HOLE LD-5 PROPERTY: Limit Ck. GRID COORDINATES: _____ SHEET 2 OF 2

DEPTH

open fr/ft.
-dip

GRAPHIC LOG

% recov.
closed fr.
filling
--dip, # ft.

closed fr.
filling
--dip, # ft.
closed fr.
filling
--dip, # ft.

COMINCO ALASKA

DESCRIPTION

82-98: Fresh (and) basically unmineralized intrusive. Lighter colored than above interval and smaller to slightly more phenocrysts. Less biotite and smaller more frequent sericitized Xenoliths in the lower 4 ranges, sericitic alt. at 85-87 & 95-98 appears ccp

ALTERATION

biotite
seric.
chlor.
K-spar
silica

% SULFIDE ESTIMATE

ccp

ASSAY RESULTS

SAMPLE NUMBER

| | | | |
|---|---|---|---|
| 0 | 10 | 18.7 | 37.8 |
| 37.8 | 66.6 | 67-72 | 5 ft |
| 66.6 | 76.3 | 72-77 | 5 ft |
| 76.3 | 85.8 | 77-82 | 5 ft |

5 to 45

BMC Data Report 390

38 of 40

# Lower Discovery
## Assay Compilation
## L.D.5

| Hole # | Sample # | Interval | Thickness | Au ppm | Au ft-ppm | Ag ppm | Ag ft-ppm | Cu % | Cu ft-% | (opt) ppm Au | ~~Est. grade by fire Assay (ppm ÷ 34.2) 1.2~~ ~~Est oz/t~~ |
|---|---|---|---|---|---|---|---|---|---|---|---|
| L.D.5 | 200379 | 0-4.6 | 4.6 | .824 | 3.79 | 1.0 | | .069 | | 8.9' @ .89 (1.026) | .026 |
| | 380 | 4.6-8.9 | 4.3 | .960 | 4.13 | .7 | | .073 | | | .030 |
| | 381 | 8.9-10.6 | 1.7 | 4.200 | 7.14 | 6.7 | 11.39 | .452 | .768 | | .190 |
| | 382 | 10.6-13.2 | 2.6 | 6.000 | 15.60 | 3.3 | 8.58 | .157 | .408 | 15.8' @ 4.36 (13) | .130 |
| | 383 | 13.2-16 | 2.8 | 4.980 | 13.94 | 6.0 | 16.80 | .307 | .860 | | .140 |
| | 384 | 16-18 | 2.0 | 4.600 | 9.20 | 11.6 | 23.20 | .556 | 1.112 | 24.7' od .09402/T Au | .166 |
| | 385 | 18-20 | 2.0 | 4.840 | 9.68 | 6.8 | 13.60 | .336 | .672 | | .148 |
| | 386 | 20-21.9 | 1.9 | 4.920 | 9.35 | 3.4 | 6.46 | .186 | .353 | 13' @ .15 oz/T Au | .122 |
| | 387 | 21.9-24.7 | 2.8 | 1.398 | 3.91 | 2.2 | 6.16 | .110 | .308 | | .054 |
| | 388 | 24.7-35 | 10.3 | .608 | 6.26 | <.4 | | .026 | | | |
| | 389 | 35-45 | 10.0 | .478 | 4.78 | <.4 | | .021 | | 35.3 @ .427 | |
| | 390 | 45-47 | 2.0 | .578 | 1.16 | <.4 | | .019 | | | |
| | 391 | 47-48.9 | 1.9 | .400 | 0.76 | <.4 | | .011 | | | |
| | 392 | 48.9-60 | 11.1 | .192 | 2.13 | <.4 | | .030 | | | |
| | 393 | 60-70 | 10.0 | .024 | 0.24 | <.4 | | .004 | | | |
| | 394 | 70-80 | 10.0 | .026 | 0.26 | <.4 | | .014 | | 38.9 @ .018 | |
| | 395 | 80-82.1 | 2.1 | <.01 | 0.02 | <.4 | | .008 | | | |
| | 396 | 82.1-90 | 7.9 | <.01 | 0.08 | <.4 | | .011 | | | |
| | 397 | 90-98 | 8.0 | <.01 | 0.08 | <.4 | | .004 | | | |

# Summary (L.D.5)

| Interval | Thickness | Au | | Ag | | Cu |
|---|---|---|---|---|---|---|
| | | ppm | opt | ppm | opt | % |
| 0 - 8.9 | 8.9 | .890 | | Tr. | | Tr. |
| 8.9 - 24.7 | 15.8 | 4.360 | | 5.46 | | 0.28 |
| 24.7 - 60 | 35.3 | .427 | | N.D. | | Tr |
| 60 - 98 | 38.0 | Tr. | | N.D. | | Tr |
| | 98.0 | | | | | |