

FISH LAKE

Tues. Aug. 24/93

Cloudy,

+20°C

- Dan Niosi

(Hunter-Dickenson Gr [ex-^{30 yrs.}Woranda (Toronto)]
- cm Smithers Oct. 93]

- Nadia Cairn - Taseko Mines

- Phelps Dodge Property Exam - Mike
Gray (Trusts); Geoff Bodell (Fox
Pool - (Can))

incl. block model

- pre-feasibility stage imminent

- Cons. Gr. from Tucson, Ariz. vs
complete ~~at~~ → JMC (Indep. Mining
Const)

- Knight Piesold - engineering

- 5 geo. tech holes in area
of pit wall(s) in '93

- lowest mining bench ~ 500 m deep

Prosperity

0920/5E

886550

920 041, 042

Early Cret. host rx. plus
intr. rx. (spatial/genetic)

- Spences Bridge equiv. ? = still controversy

1450 m - surface of dep.

"Fish Ck Intr. Complex"

- plunges S @ 70°

- older Quartz Diorite

77-80 Ma

- 60% hosted by vols

- permeable, 'receptive' host vols
vs volc. por. flows
(esp. on west side = waste)

← silicate characterizes orebody

- phyllic alt'n at east end

- also late stage antifer alt'n
(good = lowers work index)

- very little internal waste in dep.

- 15m benches - diameter of pit
= 800 m

Concentrate grades

Cu - 25%

Au - 47 g/t

Ag - 89 g/t

Impurities

Moisture

As 0.39%

Sb 0.43%

Hg 142 ppm

8%

Treatment

\$200

Charges (Down)

incl

~~eg~~ Hg = \$18.38

Total = \$832 con. value

Net Metal Value

Cu 0.715

Au = \$305.17

Recoveries

Cu = 87.5%

Au = 71.7%

Total NSR = \$9.23
(@ Cu = \$1.77)

Operating Cost = \$3.69 / tonne ore

Total Cost of Prod. = \$185.49/tonne
and 0.54/16 Cu
~~(Cu = 54%, Au =)~~

Nadia has 'telescoped' all holes (core)
for future (eg. thesis) geol. work.

19 ppm Mo av.

- no fluorite

- Kriegering complements, esp. in relation to geology

- beautiful (classic) grade zoning

\$70,000/drill hole av.

- photos of colour prints (for brochure + 1/m sequel) — ask Tareko for copies (slides)

Est. Capital Cost ~ \$650 million

100 m centres of drilling data — need to go to 25 m centres (à la Mt. Milligan)

1207 Metre Bench Level = "Starter Pit"

- Au is 50% of ore value

- Ag is in tetra-tenn.

MROI

Head Grades



~ 800 m tonnes

@ .23 Cu + $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$ $\frac{1}{4}$

40 to 60,000 TPD

end '93 - pre-feasibility study
out of door ✓

- pit push-back to SW
- central core of high grade
- (Phase 4 = large push-back)
- Phase 5 - final

DTV prefers to "stay within"
600 m tone reserve
(~ 30 yr. mine life)

1.96:1 = strip ratio (overall) - MRAZ

- NSR polygon blocks
- eg. > #12 / tonne = high grade
- 8-10
- 4-8

etc. "cut-off" - stockpile / each
x #7 to #8 NSR cut-off

- Phone Doug Forster re
BC Mining Council visit

- send details of Aborig
Conf. in PG.

~~Capital Cost ~ 550 million
Est. (Prelim)~~

~~oper. Costs
KEMESS 54¢/lb
+ #186/oz~~

~~Cap. Cost est. @ \$370m~~

Dan - great NSR data for
Brents + Bell

NSR/oper. Cost ratio should
be 2:1

✓ Send Dan copy of Hugh Taylor's
paper for review
(1980's paper in AIMF)

deepest hole to 919 m
ending in 'ore'
at fault