

ENDAKO PIT - Sept. 15/77

(in conjunction with 6th Ann. Sm. Exp. Golf)

Endako

882687 93K 094
006

- ~ 20 yrs. life

- cut-off 0.08% MoS_2

stockpile 0.06 - 0.07

- Reserves

240 m. tons

@ 0.141% MoS_2

Mineral to Date

~ 100 m. tons @ 0.175% MoS_2

Denak Zone

~ 35 m. tons

Mining Rate

~ 60,000 tpd

Milling Rate

~ 30,000 tpd

- Fault zone appears to separate Denak Zone from Main Pit - but all same orebody.

ENDAKO

Sept. 10/98

- on SETX GP field trip to Huckleberry.

- chat with Glenn Johnson
1998 ~ 20,000' of depth in pit
(expl'n + devel.)

#0.05M on "expl'n" on property
(along strike / geophys. anomalies)
plus ~ #0.05M on expl'n + devel
"in pits".

[i.e. ~ #0.1M on 'expl'n']

- 10 yr. mine life
- waiting for 'advice/direction'
from head quarters (Thompson
Creek Mine) re - future of
'exploring' regionally.

- doing 3-D computer modelling
of all 4 zones/pits.

- in-pit crusher (from Island Copper) on site
+ being installed - ready next Spring.

ENDAKO

Mon. Sept. 30/96

9:00 - noon

Snow
Showers

Cloudy + 8°C

- BHP Int'l (17 persons from Tucson,
Hermosillo, Mex; Denver; Salt Lake City)
at Mine Tour
(led by TGS + McMillan)

- Host: Glenn Johnson

.07% MoS_2 cut-off grade
av. gr. mined = 0.17% MoS_2

- Pb, Cu, Bi 'picks' up to the NW

300m 500m 600 ppts
Photo: Look SW over Main pit

- ultimate pit another 500 to 600 ft deep

visit TGS office 3:30 - 5:00 pm
for 'overview'

①

ENDAKO

June 27/96
Sunny +20°C

NATMAP (Nechako) Tour

- MacIntyre (GSC), ~~Levan (GSC)~~, Wojdak, Fox, Goodall, Irwin (fox bed), Struik, Whalen (GSC).

Hosts: Glen Johnson } Endako Mines
~~Tom Doucette~~
 Shaun Wells }

STRUCTURE

NE structures (faults)

- up to 300 ft. offsets - both
 pre-^(Jurassic) mineral + post-^(Eocene) mineral

basaltic — acidic

(attempt to 'put back' both)

Att'n study

Jurassic = porphyry

Eocene - epithermal overprint
(argillic + QSP)

Jurassic = dilatational 'veins'

- repeated open + closing = ribbon

② Eocene - enriched (enriched)
No S_2 - encapsulated
in gtr.)

Dave Selby - Univ. Alberta
- thesis study

+ fluid inclusions

Jurassic

400-460°C

Tertiary

210°C

NE-SW pressures

Bi, Pb - assoc. with Eocene
(structures)

Exp'n: based on structural model
→ to NW (along strike)
= I.P., mag. (highs)
(esp. py on NW + FW)

NW Casey Fault offset Nithi
Mtn deposit (higher level
than Fiddis - but similar
system (ie 300m) ("By south")
→ eq. 5-6 km offset (up to 300' wide)

(Nevada-style structural model

also Chilean-style - Cu-Mo zoning)

③ 600' offset down to ^(west) faults
Current mining in Main Zone pit

Zoning: to NW = Pb + Bi + py
increases (i.e. distal)

data from - up to 300 ppm in Main

B_i = 600 ppb

- Haven't done detailed fluorine.

Crse calcite veins - predom. Eocene
(minor Jurassic)

Expl'n for '96: ~ \$0.1M (6 ddh)
ddh @ \$12/ft. (LOS Drilling
Kawtop)

photo = curvilinear (listric) faults
in North face

Illite, montmor., smectite
assoc. with Eocene alt'n
- west end

④ 10 yr. mine life @ 126 MoS₂ $\left\{ \begin{array}{l} \text{cut-off} \\ = 10 \text{ MoS}_2 \end{array} \right.$

~~Photo~~
Lock E 2882 - large shovel
2618 - bottom of pit

Note: wedge failures on South wall
(not good for economics)

2100' - deepest Avail. here
(min. - open to depth)

Photo sub-parallel (black) veins

- more 'pervasive' K-spr alth on
North face - closer to
Casey phase

Photo: Por. bsst (post-min.) dyke with
re-mobilized MoS₂ (hammer)

Photo: Black MoS₂ vein cross-cutting

Photo: pre-min. dyke (felsic) - [Glen & Jim]

Mining another 500-600 ft. below current level

SIVOW

ENDAKO VISIT

May 8/74

- Ed Kimura + Jim Cyr
- presently drill Denak zone to west
planned 23 holes - drilled 5 so far
- Same rk. type (Endaka) + althⁿ but
min. a little diff. i.e. more isolated veins
(smaller) ∴ need a lot of them.

Hanson Lake Area

- Percussion drilled + trenched left
out of north side - no encouragement
∴ have dropped most cls. there
still have cls. to south - good
I.P. response (mainly py.)

Geochem. - largest of all Topley
batholith next to Mine (esp.
for Zn + Ag). Also did Radem
which they liked very much.

Burns Lk area

- "Granitic" rx. to south + north
age date of ~ 200 my.
- Ed has some dates to talk
with Nick about (re re-naming)
Francois - Topley.

McAm. Cache CK rks. (same as
at Hanson)

Mapped my 'Rock Lk.' QM with
up to 4" ksp. phenox.
(amazing when rock is cut!)
- rest of Ed's mapping in SE
is identical to mine (eg. Gum
Lk. - alaskite).

Gary Byseuth now in pit (not expl.)

Ed looked at Harry Hagman's
Gold' @p. at Topley last
summer. - Did some soil
geochem. & thought best results
were off to adjoining vls.
- Steve Kominuke drilled it &
Don Davidson logged core

ENAKO TOUR - June 5/73

Scavaging of MoS_2 by limonite
(5-20').

Gary stresses inadequateness
(or misleading) of trenching
i.e. didn't say much about
mineralization \rightarrow similar at Gibraltar
oo D. D. H.

Sig. soil geochem. over
orebody + ~ following 2 miles
to the east
o/v av. 5-20' over step.

anom. > 20 ppm Mo
over orebody eg. > 100 ppm.

- somewhat of a minor Zn
soil geochem. sample (+ Mo).

Don't overlook anomalies of 10 ppm
Mo.

- 1) basal till - hard
- 2) Glacial till - soft

How to distinguish till anomaly from bedrock anomaly?

→ trench + profile till
eg. clay layers may be anomalous if till not in a till anomaly.

Water (Mo) - strong anon. in all waters leading from mae.