

Dec. 8/89  
NWMA

885588

(M.) POLLEY  
(Carrizo Hill)

M. Polley,  
- Zarko Nikic

- good aerial slide

- brown garnet-epidote zone peripheral to k-spar alt'n zone
- av. 4 to 7% magnetite
- crackle bx. important for min. - grade directly prop.
- mag. cpy (px, po, bn)
- Au as inclusions in cpy
- oxidation (25% of contained Cu) - metallurgical studies

### Expl'n Methods

- soils, IP, magnetics
- soils - Cu - Au corr.

threshold 30-50 ppb Au  
very anomaly > 100 ppb Au

200-500 ppm Cu  
> 1000 ppm Cu

33 atoms

.44% Cu, 0.27 ppt Au

- no apparent AMD problem

102,000 oz/yr projected

✓ Estay mine: 10,000 m adn

✓ Winstan Gold option (Bramble Crk.)  
Atkie 1M

Telford coal

Willow Crk. - ddh

Wishaw quartzite - Ava Res.

Red Lk. (Fullers Earth)

Ajax west - close in May

Kamloops - 2111 (10) - 411,000 m adn

Fors

2400m in 5 stes in early '97

Target = Sullivan horizon at depth

Kettle River look for option (A)

'97-1500m decline @ Bull River (Stuart Rd)  
look at Cu-Au veins

Jersey Emerald - u/g ddh in '97

Linda Caran - Kettle River expects battle at Echo Bay to option (all)  
its holdings in the Greenwood camp (soon!), KEG '97

Call Gerry Carlson re-lunch with Doug Leishman (brokerage)  
'input' at Pathways '98!

Estay Crk. 109 Zone - colliform - flotation - amenable  
14,585m of expl'n ddh in '96 (~250,000 oz)  
mill - 165 tpd

ESKAY Crk. (Edmunds)

Since Dec. '94 to end '96  
250,000 @ 66.6 g/t = 352 Ag 750,000 oz equiv

'96 resource growth of 900,000 @ Au  
120,000 oz Au equiv in NE 1/4 (upper section of  
100m N 4218 rhachite)

July 11/97 - Greenwood Days - + Kim + Sally McMillan / Ross + Mona Blusson

FLC - Lorne Band - no expl'n on  
site this yr. - mainly number crunching  
- '96 additional res. is at NE part  
of Valley pit, adj. to major Lorne fault  
- currently stripping north area (o/p) of  
Valley pit, plus east end of Lorne pit

"bring sleepy bags"  
ask for aerio stn  
Betty North  
16,200m (53,200st) of ddh - '89  
→ \$3M Glossie zone  
"Bethlehem style" Woods Crk. zone  
60ddh 5-2m in Camp zone inter MAC + stream  
\$23m 5-2m in Camp zone inter MAC + stream  
5-2m in Camp zone inter MAC + stream  
5-2m in Camp zone inter MAC + stream

4,000m ddh completed  
nearly completed  
1 1/2 m in Au, 4 1/2 m in Cu  
(single holes) estimates (in office)  
- then reserve estimates (in office)

48.3g Au / 27% Cu - concentrate  
high acid consumption  
waiting: MT. POLLEY (Keg)  
June - preparation (Keg)  
imico - Steve Blower - number crunching

© 45380 \$1/16 - feasibility ①



1118 Lakeview Crescent, Williams Lake, B.C. V2G 1A3  
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MT. POLLEY

May 27/00

- Brian Kynoch  
~ 200 employees

\$35.7M  
total concessions

JPC - 5yr plan; 1st 2yrs -

- Summitomo \$24.5M (foreign)

- BC Hydro \$7.7M } deferral

- Employees \$2.1M

2yrs. NEI Review  
to BC = \$12.4M  
(\$2.1M to govt  
+ BC Hydro)

Au. grade over past 2yrs  
Pd in Cu - 0.34% ; Au. 6g/t Au  
concentrate 65.6% rec. ; 75.8% rec.

- Improvements:
- ① Cu prod. up 5%
  - ② mill throughput up 22%
  - ③ Cu rec. up 35%
  - ④ Au " up 9%
- ⑤ Cost/tonne milled up 2.5%

Mar. 2/00

- chat with Pat McIndless
- currently drilling on C2 zone, south of Cariboo pit - 'ddh + percussive'
- using 'Attenuation Scoring System' (albite ± ksp + mag + actinolite)
- + Chris Wild (contract) + Greg Gilston

June 16/88

## CARIBOO-BELL

- chat with Ted Faulkner
- Imperial Metals currently drilling
  - abandoned classic porphyry 'model'
    - i.e. concentrating on defining geometry/structure
- good magnetite - orthoclase - cpy/py
  - Model Type! "Porphyry Cu-Au" - alkaline.

# MOUNT POLLEX

May 17/96

- chat with Rad Pesalj (+ Bob Lane)

Au ~ 60% ; Cu ~ 40% (lower recoveries due to oxidation)

Starter pit = South end of Central Pit  
(highest grade / most oxidized)

17,800 TPD ; 6.5 MT mill/yr. ; \$13.5M cap<sup>ex</sup>  
13-yr. mine life.

Concentrate: Cu: 30.0 → 27.8%

Au: 84.5 g/t Au → 46.3 g/t Au

Copper recoveries: 56.2% → 68.4%

Grades: Cu = 0.3% Au = 0.56 g/t → 0.41% (1.16x)

Prod: Au = 9,800 oz/yr = 71,440 oz (life)

Pay back: (start) 3.7 yrs.

Cu = 28.3 M lbs/yr ; life = 29.4 M lbs/yr.

Mill - parts from Brenda, Bell, Gaspe

→ start constr. on Tues. 21st.

- contract constr., followed by contract mining  
(est. 160 employees)

- 56 km transmission line from Gibraltar grid

- ore reserves by normal krieging methods

- 1996 expl'n = \$100,000 - a) 2 ddh on Road zone, b) 2 ddh on S-zone, c) 3 ddh on Northwest zone. [Total 3000']

[Note: Road zone adj. Lloyd Nordik magnetite by on south]

- overall strip ratio = 1.16:1

- Sumitomo (partner) = market / refining.

- Concentrate: BC rail (Inter Modal) containers → Van.

- Gross Value of ore: \$15/tonne (i.e. 'low').



Sept. 13/97

# WELCOME TO MOUNT POLLEY MINE!

## Itinerary

Sumitomo  
Mishi Ishi - Pres.  
\$270 M in  
taxes to  
all gov'ts.

### TOURS 9:00 AM TO 11:00 AM

Tours will begin from the tent area from 9:00 AM and continue until 11:00 AM.

The Mine tours require bus transportation. As a result, while one bus guide is touring the mine, the other guide will be speaking to the next group and answering as many questions as possible.

### SPEECHES AND CEREMONY 11:00 AM TO 12:00 PM

The speeches and ceremony will take place at the tent area.

The ribbon cutting will occur at the end of all speeches, which will signify the official opening of the mine.

### LUNCH 12:00 PM TO 1:00 PM

Caterers will be serving lunch at the tent area at 12:00 PM. Hot and cold drinks will be available at this area as well.

Tables and chairs will also be set up at the tent area.

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**Note:** Washroom facilities have been set up around the property for your convenience.

\*\*\*\*We have many first aid attendants on site. If anyone requires help, please go to the first aid room at the south end of the building outlined in red.

We hope you enjoy your day!

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Imperial Metals and Mount Polley Mine  
Employees and Staff

# GIBRALTAR

Sept. 13/97

- talk with Tom Milner, Mine Manager  
(while at official opening of Mount Polley Mine)
- disc. delineated more ore ( $> 5$  m tonnes) in Connector Zone which will add at least 5 more years to mine life.  
Also, most of it is oxide in SXEW process.
- 'Late-stage' mining in Gib East pit is showing better grades than expected - i.e. will re-visit the model.
- expect to mine  $\sim 30,000$  tonnes from Pollyana pit in '97 (on course for 'staged' mining)
- considering expansion of mine
- mine life  $> 12$  yrs.

Michi Ishi - Sumitomo  
#270M in Fed/Prov/Man.  
TAXES!

## Stone, Alaska

- Ichiro Abe - Sumitomo Metal
- disc. 3 yrs ago (1994) by geochronology
- bismuthinite + arsenopyrite + minor stibnite
- Qtz vein (fluid inclusions  $> 500^{\circ}\text{C}$ )
- Thin section looks like "quartzite"
- 'Vein' is in gneiss; up to 70 ft. thick, down to 3 ft. thick.
- Hope av. grade = 12 g/t Au  
(also bulk mineable potential in country rock to  $\sim 1$  g/t Au?)
- Vein dips shallow @  $10^{\circ}$  + is approx. 1500 feet below surface (i.e. 4/6 mining)
- Analogy: Dealin, Ft. Knox i.e. heat source

Huckleberry - Defl.

Don Mustard/Bill Mart.  
\$150,000 ddh on Dorothy (but nothing  
as part of S-J Ring project (on Lorraine))

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