

885848

MYRA FALLSTue. Oct. 21/83  
Sun/Cloud  
H/C- VIX Tour  
(+ Mike Cathro)  $\Rightarrow$  See: CONFIDENTIAL  
HandoutHosts: Dave Buzalowski, Mine Mr.  
Finley, Bakker, Chief Mike Ged.  
Albert Gony, mine Geol.  
Mike Beecher - Expl'n Geol.  
Rick Sawyer (new) expl'n Geol.  
Robert Baldwin - mine geol.Outey pumpo 'merger' (will own  
49% of Boliden)

Mill: 3000 TPD

Total Geological Inventory = 4/MT

- Exploration Dep't - restarted

- Recent emphasis on temperature  
of formation:

is. hotter = Cu-rich

cooler = Zn-rich

- mafic sills - also, a good 'indicator'

Total # drill holes = 10,800  
(drill on 13m section s/w/e)

- importance of 'scarp' faults

Stromeyerite area ~ 5000 g/t Au  
and 5000 g/t Ag!

- expect to mine 700,000 tonnes in '03

### Expl'n Targets

- ① East end of Marshall zone.
  - ② N. of Gap zone
  - ③ Extension zone
  - ④ H-W South
  - ⑤ Baffle zone (south)
  - ⑥ H-W (south-east)
  - ⑦ 43 Block (east end)
- [13L, Price]
- \$16M total  
expl'n and  
to fully test  
all targets  
~ 184,000 m ddh

2010 - close (if no expl'n); 2016, if expl'n  
successful.

### 2003 Expl'n:

- ① Data comp. - Cliff Pearson = 35 <sup>new</sup> target
- ② Eastern Trend; Marshall/Baffle
- ③ Price 13L - 43 Block + H-W Horner
- ④ Meeting with Sweden (Bojlen)
- ⑤ Prelim. 5-yr Expl'n Plan
- ⑥ Start of drift from 24L toward Marshall zone

~ \$1.2M - expl'n ddh ~ 60,000 m  
~ \$1.5M - devel. (defn) ddh ddh/yr

8:30am - 1 down lift

# N YRA FALLS

Wed. Aug. 15/01  
Sunny +30°C

- ① - Guy Dishaw - u/g - HW (excellent)
- Finlay Bakker - Geol.; Sean McKinley - Exp. & Geol.
- HW Main (43 Block) Extension in Zone

① 20 Level (start)  
- Main + Upper Lenses (ore)

5-10m above Main Zone

Extension 600k - 1M tonnes reserve  
DOWA MINING - need ~\$35M for U/G Lynx development  
 + tailings pond lift

② 21 Level - 5 steeply dipping Main Zone

Metals Zone Cu - P - Zn  
 (banded) Centre → South Fringe

③ 43 Block (North Trend - "K" Block)

South Zone Fringe  
 ~350k tonnes - southern area  
 of good grade Zn

[ Long-hole → cut + fill mining ]  
 → allow taking pillars + re-entering previously alienated (mined) areas

Upper Zone Free gold (+ streamerite)

- separate study (esp. Upper Zones)  
 to 'upgrade' gold recoveries!  
 (currently 40-50%)

Photo: Typical banding - ~~ore~~  
in South Fringe Ore  
(end)

Sample: HW - Main zone (South Fringe)  
F320 Stope

- banded ZnS + py + barite

- HW <sup>matrix</sup> fragmental with <sup>large</sup> jasper frags.

Upper lenses near faults (+ matc dykes)

Photo 21 Level (HW) - expl'n drill

for upper zone ore (5-15' thick)  
(barite + Cu + Ag - rich)

Samples (2) <sup>Upper zone</sup> Cu (+Zn) - rich bands  
South Fringe Ore 5410 Stn

→ Photo 'Lenses' of MS 'between' shallow faults  
Flat

43 ZONE (new) ~ 1 Mt reserve

rich bands fragmental (+ ore frags)

Photo: fragmental ore face + matc dyke

Sample - High grade face

Photo: K Zone (North Zone) pillar (ore) block

Sample retrieved: (Argillite/ore contact)

U336 Stn - Stronger erith + UG (Ag, Cu) 2

115-BENHALL ST. MADE IN VANCOUVER, CANADA

# MYRA FALLS

Aug. 15/01

(3)

South Fringe Ore av. 4-5 g/t Au  
and 100 g/t Ag  
(+ Zn + minor cpy)

11:30 am lift up

PRICE - 4 Level - tour by Finlay B.

Photo. - look E to S. end of Butte 4.

Samples (2) - 4 Level Ore

Photo - Gopher drill on 4 level  
~500m in from portal

CORE EXAM with Sean McKinley

① RIDGE 2 OR E WEST

- replacement style <sup>min.</sup> 212,000 tonnes @ 1.5% Cu, 12% Zn

- expl'n drilling to west

- up to 9.2 g/t Au + 5.2% Pb + 14.2% Zn  
+ 662 g/t Au over .7m

finch. VG assoc. with lead

EX. LX 16-2054 0011

9m @ 2.5 g/t Au, 208.4 g/t Ag, 1.5% Cu, 13.1% Zn  
= \$166/tonne

② PRICE - 4 Level (# 263) core

- replacement style min. in ands/dacite

4) Price <sup>(new)</sup> 4-203 (replacement - style) LEVEL (S) 13E31

10m @ 1, 4% Cu, 12% Zn, 3% Pb  
(light-colored ZnS)

③ latest hole with <sup>(+ trace Tennantite)</sup> ~ 9 ft. of ms.

Orig. 'discovery' @ Price in late  
1970s (unfortunately - at same  
time as HW mine disc.  
[i.e. Price mine - put 'aside'])

→ Hoping to define ~ 200,000 tonnes  
of ore

Expl'n Budget (2001) ~ \$2M

Est. \$20M debt

STROMAYERITE
(Ag, Cu) <sub>2</sub> S
50-52.7% Ag; 30.5-33.7% Cu

- Productivity & morale - excellent

Power - hoping to get from 'grid'  
at Gold River - will help  
alot.

Custom Milling Potential? - still 'on table'

- also u/g drilling (from 13 level) towards  
Trumpeter Zone 43 Zone, (Rick Sawyer)  
surface drill. in valley  
between 4ray & MPA - drilling to east

(5)

# MYRA FALLS

Aug. 15/01  
Sunny +30°C

Dave Bazowski - Core  
Mine Manager  
Myra Falls

Display @ Roundup '92  
- 108 to ask  
Tracey Hurst  
to send letter  
of invite

Investment Partner(s) req'd  
30 - 40m  
(how best Noranda)

[DOWA currently 'considering' risk]

\* No lead concentrate being produced (stopped several years ago)  
- besides Pb, gold occurs in assoc. with lead, not to mention Ag!

FUTURE economics of mines should/must involve/consider the precious metals (esp. Au), plus lead (as well as Cu + Zn!)  
is need to identify gold dist'n in all rock/ore types + then work towards 'max' recoveries! [OVER]

The presence of stromeyerite  
(sulphosalt) with VG in the  
siliceous barite 'cap' in Upper  
zones is 'significant'

- Sean McKinley + Guy Dishow  
will be 'testing' (analyses/metallurgy)



MYRA FALLSThurs July 23<sup>1988</sup>

u/g 9-11 am

Sunny +30°C

- BOLIDEN Farm

(Sean McKinley / Cliff Penn) Trevor McWilliams

- Bill Fisher, Chief-Expl'n (Boliden) Tr.

H-W Mine Geol

Brion (Ron Berry) - CODES (Australia)

Battle Main +

18 Level'Shear Tail' zone  
to North  
(cf. massive banded)

1) Upper - some epigenetic

2) Battle Main

3) Shear Tail zone (Battle East)

1) UPPER

(secondary)

- Qtz-rich zone 'capped'

by Q<sub>10</sub>① Sa<sub>1</sub> 'upper' style min. (crse)

Zn 5 + Pb 5 + (py + br + ton)

~40 m above Battle zone

(equiv. laterally to Gap zone)

- 'pods' are rel. small - flanked  
by zones of secondary Qtz

- very low Fe (&lt;5%)

0.8% Cu 12% Zn 29 Au / 100g Ag

② Battle Main - banded

③ Stringer zone - Battle Main  
~~py~~ cpy-rich (+py) + Qtz  
 SWEET

④ Battle Main - 'Upper'  
 Zn-rich - chert - broad-soln  
 - low chert = chert - 'waxing'

⑤ Rhyolite in 'Shear Tail' zone  
 - folding in 'chert' honey  
 (+ZnS) → much lighter colour  
 - cross-cutting py-cpy veinlets

⑥ C13C-45 PY-CPY-ZnS

Shear Tail - structure  
 (rel. shallow)

3

July 23/98

# MYRA FANS

- Boliden Forum

PM \* Drifting west and north

100m below

u/g fan No. 10 Level (Lynx mine)

4-5M tonnes target

exp'n, office level) to allow drill testing of Marshall zone (good potential) [Thru Ridge East West zone]

DDH 98-410 2007 to 2010 (deep)

\* Drilled another 2" holes beneath Myra Ridge (to follow up on good hits in '97) - no 'ore', but good try. [~150m east]

\* Drilled ~4 holes to west from Myra Ridge to test Trumpeter 'trend' - unsuccessful

\* Extension Zone - still potential (1-2 M tonnes) - in '97 → n/NT

\* Barite 'caps' Battle Zone - up to 5m thick

98-L10-2007 - Marshall Zone  
(west end)

6 m thick barite zone  
(with good previous material) (En-rich + tan barite)  
overlying MS (Zn-rich + tan barite)  
(steep contact with post-min. dike)

[Note: Assays not yet released  
- "very encouraging" ]

① MYRA FALLS Tue. Oct. 28/97  
Rain +10°C

- with Robert Pincant

- Steve Juras / Cliff Pearson

[Ref: 1996 papers in Econ. Geol. and  
C/M-Expl'n + Mining Journal-VMS-1996]

- Total '97 Expl'n  $\approx$  \$2.5M

3 main structural orientations

1) Trumpeter - NE - left-lateral  
(youngest) (only 1 on prop.) - lower dip

2) Lynx - Myra - N-S  
right-lateral (steep dip)

3) NNE Ron Berry - Union of Tasmania  
- consultant - structure ES/DES centre

Folding - drag - Flower fault  
- up to 10 km wrench fault drag  
min. movement (eg. S or W side)  
= 3 km

Lynx  $\rightarrow$  S  $\rightarrow$  S zone  
ie. linked (i.e. Lynx not rel. to  
Myra mine (horiza).  
data re-2n %

- Expl'n - drive drive NE from  
Price zone to Trumpeter area  
u/g dth

② The 1980 ddh (97) - test  
Main Lens Trend (from NW to  
west)

Trumpeter u/g ddh (drilling to NE  
to hit western extension) - did not  
interest due to faulting i.e. pot.  
zone faulted off to NE (i.e.  
away from drilling)

43 Zone - ramp below (i.e. south)  
- rather than to NE (faulting)

Trumpeter zone is its own trough  
or graben (below ~ 100m of main  
haulage level) - ddh from Myra Ridge  
ddh (2 holes), i.e. offers expl'n  
potential - due NW (along strike)

~ 1000m  
Results = 'excellent' geol. (my/forgill  
+ MS) / d. 143; 190 - 1980's notes

- ③ How does Marshall zone relate to Trumpeter zone trend
- a) Same?
  - b) Trumpeter separate to NE of Battle zone
- Targets
- East Ender (NE) Target to NE
  - Marshall + NE to Trumpeter

1997 ① Trumpeter (4/6) 7 dth (Jan - Apr)

② Myra Ridge (surface) - 2 dth (proposed 2 dth in Jan '97)

'Marshall Program' - 2 hits below main heritage - need to ramp down 2300m Total

③ D Level 4/6 extension (~300m) to test Marshall zone + 'springboard' to test hole west end.

④ Ridge Wedge - test H-W Main Trend (argillite = 'distal') (between Ridge Zone E and W) (proximal vector to W, distal to E)

⑤ Ridge Zone E 'Intersections'

→ to west of

6) Extension Core (Lynch core rock)  
- pleasant surprises (Cu Zn)  
eg. 9m @ 20% Cu + 10% Zn

~~Thelwood Valley zone~~

3 holes to date  
(+ 1/2 lens ext.)

Eq. 11m @ 10.9% Zn  
10.9m @ 23% Cu

Planned: 4 more in '97

"Gopher-like grades"

bonitic in upper lens.

7) Thelwood Valley - 5 ddh (Lense E of Cream Silver)

(Jim Mitchell Rd. Program just west = 5 ddh)

Upper rhyolite dome complex target.

(New = 3 mineralized rhyolite horizons on property)

→ correlated strat. between the 2. (ie Main lens trend ⇒ Cream Silver) are in the right spot

But - almost ready to write off Thelwood zone (ie. Trumpeter potential to E)



⑤

Exp'n - look on flanks of rhyolite (i.e. thinnest sec. - or above known HW arebody).

Research ~ \$5k → govt/univ. Budget studies alone (eg. CODES fellowship program, etc.)

198 Exp'n Est. ~ \$3.4M

198 - plan to drive (y/b) to GAP zone (+ some mining later in yr.)

- Shawn McKinley geol. (ex-thesis on Seneca) <sup>Misc.</sup>

DOI 97-202 - look at Myra Ridge deep ddh.

→ VMS intersec. in case, hyalo clastic

✓ rhyolite (new trend)

✓ PHOTOS: - core 1055<sup>#</sup> - 1061<sup>#</sup><sub>m</sub>

New gossan, high in strat - up to Henshaw Fm? by glacier or top of Myra Ridge = volc. sed + py (over)

(6) 'regret' over 'leaving' Dragon  
 prop (probably would like to  
 keep exploring - at depth - eq.  
 new showing high in strat.  
 on Myra Ridge (Henshaw  
 Farm)

Cliff Pearson

~ 750 m drift from Battle  
 Zone (w) to Mars hall zone  
 (can test Ridge zones on way)

1997 Mining

Gopher ~ 370k t - Battle area  
 Total  
 110k t - Gopher  
 20k - Upper  
 20k - South  
 - 250k - Main

Jan. 1998 Res.

3.4 Mt    1.7 Cu    10.4% Zn

Gap 500k t    2.9 g/t Au

Extension 250k t - 1.5% Cu, 4% Zn

Ridge East - 268k    1.3% Cu, 0.7 Zn

① East Fender (Battle Zone): - grad  
hits - to test in '98

1998 est. 25,000 m defn ddn

Mined: 195 - 60K  
196 - 240K } 670K  
197 - 370K }  
198 - 525K }

24-level

2 ore passes + backfill in place

'97 % ore: H-W = 70% 3.8M  
Battle = 30

4M to Battle Zone area - to N-upper  
H169 Upper Zone - prime target