

① MOUNT POLLEY, Thurs, Nov 20/03 Sunny - 15°C

- with Bob Lane, Mike Cathro, Dave Lefebvre + Dan Sepsen
- Host: Pat McArdless - 5-Yr Expl'n Plan
- 'New' showing N of Springer pit = new target.

Northeast Zone :- Expl'n property
(Whishbone Zone)

Road Zone
195-96 data

- Chris Reese - chief mapper + 4-person mapping team

GEOPHYSICAL DISCOVERY

plan max-min (Dave Butter) + 3-D IP

- Monzmitest + plaq. for.

- non-magnetic
great barite

275m x 70m wide

Cu + Au + 7.5g H₂O

1.5 km NE of Bell pit (No chlorite or Fe-ox. in 1/2 m)

Cu min. - "glabby, long strings"

- NE zone trends to SE close to Polley Lk.

- Road zone to S of NE Zone

1.75 km trend from NE zone to SE

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CUNSKAWATER OF

② ~ 30 MT 4.5 yrs.
reserve req'd to restart

11% to 8% rec'd of oxide
ore from Springer pit

within 3 mos. - to get mine
~ \$15M re-started
eq. start leach pad for Springer

Lloyd Rodik - Glengary (Co.) has all
surrounding ground, but will lose
North East zone. most of its drilled area to Ingersoll

But really likes Hole #7 > 1% Cu

- near surface = open pit
eq. 6-10 MT (up to 20 MT Reserve)

as currently known

PHOTO Look SE along NE zone
trench - discovery landing of
(trucks) + trench to pit. (foreground)
Hole #1 just behind trucks

(5) METFIELD

MOUNT POLLEY

Nov. 20/03
-15th

NE Zone 'discovered' - Aug. 19/03

* 2nd drill starting on NE zone
on Nov. 24th

* 3rd drill to come on property in
Jan. (ie leave 1st drill on Sprague
zone)

PHOTO Pit in front of discovery step
+ trench.

2 expl'n 'pits': 400m SE of
discovery pit = same grade!

[CONFIDENTIAL] to SE - also up
to 1.7km

PHOTO - Look NE over NE zone
SE - most hole (#15) to N. of photo
- 'discovery area' to upper left

- All 16 ddk in min.

④ Trenching to S (up slope)
towards Leak Zone
= Cu min. (news release coming)

NE zone is much better structurally prepared (i.e. plumbed) than other zones [i.e. 'big' potential]

Examine Hole #11

Cpx + bn in Ksp/alt Min.

- also "paying attention" to Pd, plus sig. Ag min. (up to 70 g/t)
- magnetic susceptibility tests on all core

Late-stage carbonate (post-mineral) are good to negate ARD

JACKPOT!!

Min. (up to 0.8% Cu) below BELL pit
= push back existing pit walls to mine

(S) FRENCH

MOUNT POLLEY

⑤ Bacterial ^{acid} leaching columns

(for heap leach testing)

- mix waste sulphur ^(from Vancouver) with ore ^(from Environment Canada) [9.5 kilo/tonnes]

→ generates sulphuric acid

- 3-4 mos. to get 90% recovery (on smaller scale tests)

→ electrowinning directly (i.e. ^{no} solvent extraction)

(because of very low Fe-content)

→ from Springer Pit

[relatively 'low' acid consumption i.e. $\frac{1}{3}$ of 'usual' - due to carbonate content]

→ could be 'much' cheaper than Gibraltar SX-EW process

[only possible analog is in Australia]

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MOUNT POLLEY Wed. July 4/01

ME93A008 Sunny 28°C

- with Bob Lane
- Greg Gilstrom, Mine Geol. (paid McArthur looking for new extraction Spring)
- Mine to 'close' at end-Sept. (mill to end-Oct.)
- 1 bench left in Carbon pit
- 4 benches " " Bell pit
- new smelter contract - i.e. will face some 'new' penalties

* 90¢ Cu could make ~ \$17M from Springer pit

Expl'n - ~ \$350k (to date)
[possibility of 'deal' in Lloyd 2?]

Need 275 Au ~~275 Au~~ 75¢ Cu
22% (Bell) conc. \$0.66 exchange rate

~ 2M tonnes of stock piled 'low-grade'
- 'mixed' H-G stockpile (couple of months)
(no idea of overall grade)

60k tonne test oxide - drill (New North Extension zone)

CARBON PIT

1050 → 1040 - lower bench

- photo - look N. over Carbon pit (final)
- photo - " " " "

4.5 M tonnes (with economic potential)

Photo - look N over New North Extension (Springer) zone, plus Pat McAndrews 'exploring' on "NW Extension" target

- QR mine in far background.

Photo - Look NW over BELL pit
(4 benches left to mine)

Photo

SE zone ~ 1M tonne @ .4 - .5% Cu

+ 1 g/t Au - good recoveries - mag + cpy (no oxide)

- @ SE boundary of Mine Lease
- need haul rd + maybe 'drainage' ditch
- need permit

- looked @ 'new' Springer core
- good cpy + mag (cpy) + albite

→ a 400m x 800m

New buyer/owner?

MOUNT POLLEY May 26/00

- Greg Gillstrom great, Sunny +20°C
- will get Brian Fynoch to get data
- Pd in care, recovered by Japanese

[Don Mustard has Asamera data in PGEs up by Lorraine]

[Anacosta Library - esp. PGEs in BC - John Chapman]

- BG would love to get some material from Lloyd 2 (Roadcut shower)

* See Handout

MOUNT POLLEY

Wed. Oct. 2/96

Sunny

+10°C

- BHP - BC Mine Tour (3)
- Rad Pesali + George Whyte (Mine Mgr.)
- + Richard Taylor (Carleton) + assistant
- (not at PDA in '95)

- 1997 - Rad proposes \$250k program
(incl. IP)

~ 95% of ore hosted by bx.

~ 320,000 tonnes @ .28% Cu, 0.4% Fe
stockpiled to date.

MOUNT POLLEY

Fri. Sept. 16/05

(Fog) Sunny + 17°C

- official re-opening of mine
- charter flight from Vanc. (Fog delayed)
- dignitaries incl. Minister Pat Bell + John Rushfor (Min)
- Milling restarted - March 8, 2005.
- Low-grade stockpiles (left over from previous) were the major source of mill feed during first full yr. of operations (Apr. - June '05). Mid-July - Wight Pit (NE zone) ore became major source (~20,000 tpd)
- Probable reserves for Wight, Bell + Springer pits = 44 Mt @ 0.45% Cu, 0.304 g/t Au, 1.332 g/t Ag
- Measured + indicated resources (excluding pit reserves) = 68.5 Mt @ 0.367% Cu, 0.256 g/t Au
- Inferred resources = 28.3 Mt @ 0.246% Cu, 0.172 g/t Au
- NE Zone Reserve: 9.1 Mt @ 0.88% Cu, 0.29 g/t Au
 [+ meas. + ind. res. = 15.7 Mt @ 0.61% Cu, 6.4 g/t Au
 0.19 g/t Au; 4.4 g/t Ag]
- Cu conc. truck to Van. wharves → Asia
- First shipment - July 4/05 (11,500 tonnes)
 [Graded 24.5% Cu, 27.9 g/t Au, 76.2 g/t Ag]
- Expected prod. for 2005: 26 M lbs Cu + 33,000 oz Au (in conc.)
 [will increase to ~60 M lbs Cu + 50k oz Au in '06]
- Employment: 230-250

[OVER]

- slope disc. of NE zone in Aug, 2003, > 300
ddh drilled on property, incl. > 200 on NE zone

2005 Expl'n: i) Prelim. engineering will assess
feasibility of U/G mining on high grade Green
zone (below Wright Pit) - 4.23.10 @ 4.43% Cu,
1.28% Ni, 26.92 Ag

ii) SE zone: 46 ddh - 1 km SE of mill
- high gold: copper ratio + low stripping ratio
- permit amendment approved for mining deposit.

iii) 92 Zone:
iv) Adj. Lloyd 2 zone

-
- major access road to NE zone, plus
rd. to tailings area.
 - Major clearing/expansion of Bell Pit.
 - Expanded fleet of mining equip. (150t)
 - Current Mine Life: 6 yrs (2011) - expl'n
pat. for discoveries

- Major expl'n/geology "Think Tank" at
minesite next week (MDRU + CODES
Tasmania)

→ Several core photos + i) Bell Pit
+ ii) ~~Wright~~ Pit (120)

METFIELD(S)
①

MOUNT POLLEY

Tue. Sept. 14/04
Clouds, Sun
+14°C

- with Bob Lane
Host: Pat McArdless
[Logan + Mihalj / Mike also on site]

(4 Chiffres)
since Sept. 03 - 48 km
total depth 7

2004
~ 40,000 m ddh (to date, incl.)
in Nordic (Boundary zone)
972m

7000
in 2003

- on hole ~ 122 (last released = 99)
DRILLING (since Sept. 03)

Springer 10.8 km
Ned F 29.6 km
Bell 6.5 km

Boisvenne
Drilling

Sept - Jan - add ~ 20 km ddh
Total ~ 60,000 m [55k?]
(2004)

Total Exp. : ? ask PL

~ 20 on 'expl'n' // 3 drills

added ~ 200 m strike on NE
Zone to NW (total ~ 500 m) x 200 m wide
[good success p.e. will expand pit]
most min. rel. to Polley fault

Trenching - to N; then S.

Springer drilling - late Oct.
(extension)

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studies: * Structure * Till geochem
* H₂O movement
* Models (Geol - eq, volcanic intrusive)

2-3 wk turnaround for assays

[Note: Just about to mill (~10,000 tonnes) of gold ore from Cariboo Gold Qtz proj. - had to clean all kinds of "junk" in it]

Northeast zone

Photos - ① NE trend

② → Leek zone holes along rd. drilled E down to lake (eq. 0.34% Cu + 0.34 g/t Au)

= 'ore' in 'new' designed pit - at south end of zone

Leek zone is essentially 'part' of NE zone (but geologically diff!)

Deep targets at south end of NE zone = future 4/G mining (eq. > 400m)

- will test from ice in winter

Driller @ 240° - 60° to 75° // Sample X Zone on NE zone discovery

MOUNT POLLEY Tue. Sept. 14/04

(3)

DDH '04-115 (cont.) = "very good"
(deepend hole from previous (shallow) 'dud')

"Deep" holes (esp. @ N end) are up
to 450 m. i.e. future 4/6 mining

Photo: Look SSE along 'upper'
fence of drill holes.

- look at core from '04-122 (E)
and '04-120 (W)

"Oatmeal" alt'n assemblage:

- chloritoid, Mn-rich garnet,
carbonate

Thesis studies @ Carleton University

New Mine Mgr: Howard Thompson
(ex-Huckleberry Brewery (K)).

Photo Examine closely - ~~DDH-04-99~~
'04-99-20 3m ^{downhole}

core - grad cpx + bn in 'orange'
monzonite/crystal tuft

'key' - large kspars phenox (trachytic or
flow-like + near better mineralization

OVER

Pat M. + 'crew' are studying the relation of the mineralization to the geological setting

* Presence of 'large' crystals (phenocrysts) of fsp (random or trachytic flow texture) is a 'good' sign of proximity to min.

* Brecciation and/or increase in lithic frags. (in v. lcs) - 'good' sign.

* Presence of 'trace' cpx - 'good' sign

* Sig. decrease in magnetite in high-grade cpx-bn zones

* Sig. decrease in pyrite, with attendant increase in cpx - 'good'. Observed thought that cpx 'eats away' (replaces) py, until it is totally gone.

- Fe from magnetite combines with S from pyrite (reacts with Cu-rich fluids to form cpx)

* Abundant gypsum in min. zone

* Key alt'n = "oatmeal" - clinzoisite + garnet (Mn-rich) + calcite

* 'topography' during mineralization?

→ TOP of hydrothermal system
→ Debris slopes (planks of volcano) = 'favorable horizon(s)?'

- ① night MOUNT POLLEY Mon. Sep. 16/96
- George ~~White~~ - General Mgr. Cloud/sun/rain +14°C
- with Lane + Wojdak
- ~ 1/2 drive via Morehead Lk. (Likely)
- from Williams Lk. to site [Eric LeHeve]
- Don Parsons (ex-Nickel Plate) Chief Engineer 18,000 tonnes per day (up to 23,000)
- Rad Pesajl - Au = \$380 Cu = \$1.00 .72 exchange ratio
- tonnage based on NSR (M. 11 Head Value)
- Starter pit - Cariboo (Central) pit
- later North (Bell) + West (Springer) pits
- new reserves - used MINTIC Software (mine life: 12 yrs)
- Central pit - highest oxidation + gold values
- Oxide = weathering + tectonics
- est. 60/40 Au/Cu over mine life
- too expensive to leach due to acid consuming (i.e. cost of reagents)

② 2 diff. intr. (alkalic) monzonitic
mineralization) Bootjack - silica saturated
b) Mt. Polley - silica undersat.
+ nepheline (diorite/older)

Mt. Polley - a volcanic centre!

Intr. Bx - hydrothermal

West pit - albite alt is increased
- East side of rebody - 4 km pyrite
hab. (QR-type min. potential?)

Au - free within cpx (i.e. good corrod.)
+ magnetite

- soil geochem works well!
(≈ 200 ppm Cu ; 50 ppb Au)

Is^e direction: SE \rightarrow NW

magnetite vein
(high Au)

1996: 3200' ddh(?) - ~~Area~~ Road zone
a) NW zone c) S-Zone (N. of West)

Pit - SE of central pit

③

MOUNT POLLEY

Sept. 16/96

— incl. 2/ryd-2 data in
Mount Polley 'resource' — i.e. working
together.

→ structurally-controlled
(est. 3 Mt)

> 90% of min. is in bx
(50/50 — vein/massive)

Total = 563 holes in 220,000 ft.
of drilling.

→ 2 benches being mined in '96
to provide waste for
load constr., etc.

surface 220
950

1230
1210

270 m depth of mining

→ 250,000 tonnes of ore stockpiled
to date.

led car / knight + Piesold / Colony

→ all on schedule except tailings
pond constr. (due to weather-wetness)

69 kV power line from McLeese Lk.

— by mid-summer '97

④ STOP 1: Highest oxidized (test)
pit on Central zone
(best gold value)

STOP 2: First 2 benches
(1220; 1210)

STOP 3: look NNW to QR

STOP 4: look SSE to mill

STOP 5: Core shack - last,
70's metallurgical drilling - incl.
40 foot intersection of massive
magnetite bx (+cpy)

- also '96 drilling (Road Showing)

- possibility of recovering magnetite
from tailings

①

MOUNT POLLEY

Apr. 5/95
Sunny
+5°C

AM arrive field station 8:30am

A & BRENDA MINE

- equip. bought

from: Bell, Mat (game), Caspe / Brenda

5 crushers bought - each a US \$500k each new

- tear down in 3 mo.

- up on site, by Oct/Nov

- staff stripping now

- some equip. (mill) from Bell mine down to Brenda for staging -> Mount Polley.

- Sumitomo personnel

PM - ar. Williams Lk. @ 1:15pm

Rad Pesal - on site geol.

~54 km hydro 'tap-in' from Gibraltar 'grid'.

Start 'central pit' 5-7 yrs

b) North zone

c) West zone

- opened road in Jan.

(7) south end of Central Pit is
most oxidized

~27% of ore is non-sulphide

Photos: - look over camp - Central zone
- case ore storage

- mill site - crusher area

- Gibraltar test pit in

high-oxide zone in south-

part of Central zone

(1 of 5 pits)

- look S over G.B. pit - Central zone

- look W over '89 Imperial test pit
with host rock Lk. in back rd.
(Brian Kynoch)

\$190m - Summit Valley - decision by
end May

\$10m - BC Govt

\$10m - Imperial

MOUNT POLLEY Mon, Nov. 6/06

- with Pat McArdless Heavy Rain in Van
(fly up/break same day)

Hosts: Chris Rees, Gary (GWR visit)

- Main focus on testing Boundary zone
(Northeast zone ad. Lloyd North)
→ recently logged off - ddh in early 2007

- Just gearing up to further infill ddh
on C2 Zone to bring into mining plan
(~ 5 Mt) [close to mill]

- Leach pad for Springer zone
(oxide component) built, but will not start
processing till next spring
(+ native sulfur readout)

- Underground target (200-300 m deep)
in northerly extension/offset of
high-grade Green zone

- 2007: BIG drilling campaign (50,000m)

Nov-Dec '06 DDH: Drill off C2 zone
to prepare for open pit → milling

Potential: between Bell + Northeast pits

: between Boundary zone + " FIELD (S)