PREMIER

Sun. Sept. 16/01
Sunny +25°C

(from: TIDE visit)
- Rex Johnson (Boliden)
- Paul Wojdak, Dave Caulfield
- old Westmin exp'n camp.
[+ Henry Awmack, Mark Baltnes, Frank Grist]

Premier
104B/1E
886465
104B 052, 053, 054

R. D. PENHALL LTD., MADE IN VANCOUVER, CANADA
DURSBAK WATERPROOF

LEVEL (S)

NEVILLE CROSBY INDUSTRIES

PREMIER Tue. Aug 3/99
Sunny +30°C

- drive up (mine) rd. to Grandine site (rd. looks fine to Tide strip)

- Mine still closed - Boliden looking for a buyer

- Rumor (Andy Burton) that 'someone' has proposed a major power development for Long Lakes

PREMIER

Thur. Aug. 15/96
Sun/Cloud +12°C

- with Paul Weidenk.
- Chat with Rex Johnston in Stewart.
- completed 1st Phase of u/g drilling (~23,000 ft), mainly on lower (4, 5, 6) levels. Have pretty good 'handle' on avail. u/g resource(s)

[Target ~ 700,000 tons @ 0.2 opt Au]
[already got ~ ½ of that]

- Also 6 deep (1000 ft.) surface holes on Martha Ellen prospect (Big Missouri) — surface by Paul Zhotka

* 1st Phase Budget ~ $0.85
2nd Phase Budget ~ $0.85
Total ~ $1.7M

NEVILLE CROSBY INDUSTRIES

563-0521 Res.
963-8481 Times

Arr. 8:05 Dep. 1:10
12:18 5:00
4:23

~~$75~~

565 7A

NEVILLE CROSBY INC
VANCOUVER, B.C.

PREMIER - BM Sept. 25/88
Sunny +14°

- 11 geol. on site
~ 250 construction people

Potential at Silver Butte
~ 500,000 tons @ .5 opt Au

- DAGO pit ~ 400,000 tons
@ .1 opt Au + 2 opt Ag?

Alf Rindall, John Payne, Shawn Dykes,
Paul Lhotka,

Bed Race
2 miles Hyder to Stewart
1st Place

PREMIER

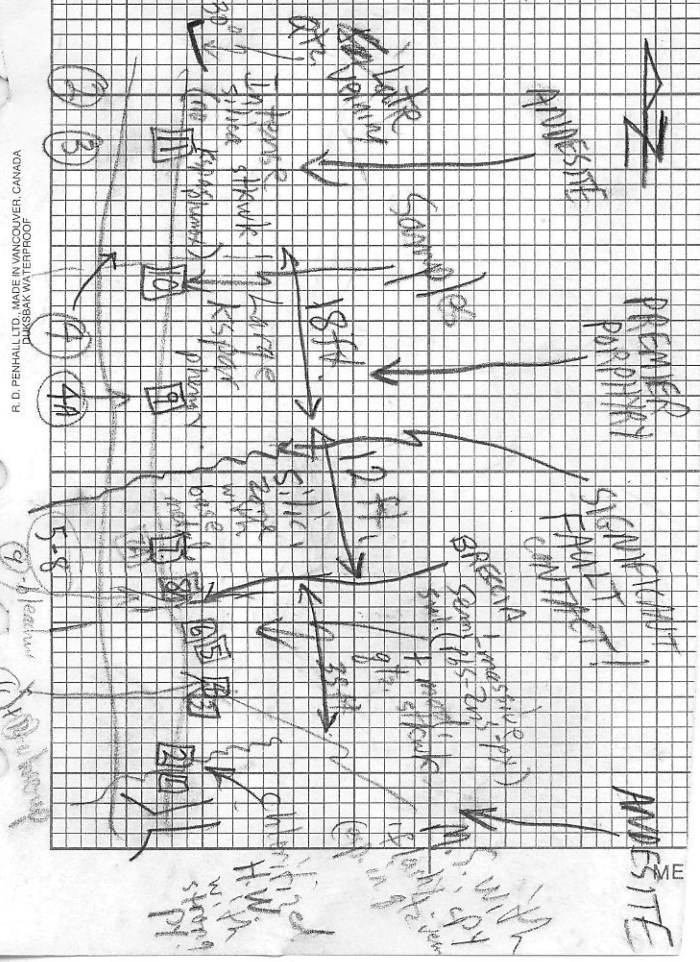
July 2/84

- Paul Wojdak
  - still heavy snow pack above 3000 ft.

PHOTOS

LEVEL 2 CUT

① Looking S along new cut 'rd' towards No. 2 portal
- ore zone recently exposed.



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DUKSBAK WATERPROOF

- Just started drilling 10 days ago in area of Glory Hole.

- Blasting across No. 2 Level has exposed good ore zone (see notes + photos)

- Rel. small drilling program this yr.

- Big Missouri camp ~~at~~ levelled this spring by snow.

- westmin have lab set up again.

- Late (young) quartz veining with shallow dip to east in andesites at north end of cut.

- another set of qtz ± rhodochrosite ± base metals.

PREMIER PORPHYRY intrudes Hazelton andesites with sharp contact on north side, whereas, south contact is fault-bounded + this is where mineralization occurs.

Alt'n includes bleaching (internal) + chloritization (peripheral)

PREMIER Aug. 8/83

Sunny, hot

- Paul Wojdak + Shawn Dykes
- looked at core (BQ, UQ, HQ)

Contact between Premier Porphyry and host Hazelton andesitic flows + pyroclastics (sub-aqueous) is sharp (eg. Photo - 4/6 2 Level)

PREMIER PORPHYRY (dacitic) - hypabyssal intrusive

Close packed porphyry: fn. to md. gr. porphyry with phenox of plag. + sanidine

Crse porphyry: Large (up to 6") phenox. of white sanidine in green matrix

- Gradations mappable within porphyry

ALTERATION

1) Silicification - pervasive + pyrite
2) Sericitization - cream coloured
3) Chloritization (±carbonate) - green andesites

No K-Fsp or hbldalization as mentioned by Grove.

Maroon tuff-thin unit with minor cpy. (mrd. before BC Silver)

MINERALIZATION

- Good vertical zoning from Ag-bearing minerals (± Au) in upper levels (Glory Hole) to more base metals in lower (Level 2) Pb-Zn-S-py
- not confined to host andesites - Also occurs totally within Premier Por. (Epithermal)

Went underground on No. 2 Level
- Portal in strong silic. + py
- Good mssqd Pb-Zn-S-py just inside portal.
- Mineralization occurs best near contacts of Premier Porphyry + Andesite
- Assay lab set up

Structure

Predom. NW (as Grove) but also NE — but they don't intersect.

- Some flatter (later faults) — one may have dropped No. 2 Level below Glory Hole.

- Gen. strike N-S / dip westerly
- Min. zone(s) - steep dipping

Width to date (1985): Budgeted 9000'
- most E-NE of Glory Hole

Lamprophyric dykes - really andesite dykes

Photo: Grove + assay lab / NOH on 4 Level / B.C. Silver

R.D. PENHALLOW DRAFTING MADE IN VANCOUVER, CANADA
BAK WATERPROOF

MCBURNEY SAMPFIELD (S)

(1) PREMIER

June 15/12
Cloudy + rain

Brian Miller – Project Manager
M.R. Randal – Chief Geol.
Denis Gregoire – Mine Manager

510 Bench – now – operating
– ultimate @ 495 (3 more benches)
(#3 Level)

Note No. 2 level = 575 Level
– 'Rabbit' av. 119 ft. wide with overall grade of ~ 39 ft
(above floor)

Top 635 Bench – park + walk down to overlook bottom of pit.
(near N end of Glory Hole)

* Moved ~35 m tonnes of rock to get at ~ 215 m tons ore

When open pit shuts down in late July → totally 4/6 operation ~ 39 persons (mine + mill)
– still ~ 130 employees – most to be let go at end June – some rehired back.

METRIC LEVEL

(2) Retrospect - should have can't with
Phase B - push back of pit wall
- now left ore in pit wall
+ going after it u/G

- Photo - trying to re-access # 4 level
(bull doker)

~~Seebakwe~~ Sibakwe data being worked

u/G - ~ 140 tpd (now) - est. 300 tpd
- Sasha - u/G
est. 30 K tons @ .4 Au
- to date mined ~ 7000 tons
→ (one back to Imperial tons)
(because of old maps in ft., etc.)

100 Stope Area - Northern Lights

Photos: 50° ORE - av. 0.5 opt Au
↓
1060 East X-Cut: Premier West (30 ft. below 5 level)
X-cutting qt-carb bx X-cutting
MS 'bled'
(Doris 120 Na 'Event' (younger)

NEVILLE CROSBY INC
VANCOUVER, B.C.

(3) PREMIER June 15/92

~~Drift~~ ~~781 level~~ 781 Stope (bottom)

MS with sharp contact of conds.

782 Drift

Essentially "pulling the floors out + the pillars"!

~~TARGET~~ Av grade ~~cut off~~ 4/6 @ .3 opt Au

Ore shoot min. 20,000 tons

7000 tons @ .4 opt ~ $1/m to date

with cut off @ 0.18 opt Au

(Note: exactly the same cut off grade that Paul Wojdak calculated from historical figures when he was with Westmin.)

METRIC LEVEL

(7) Preservation of Geol. Data - PRIMARY

Rocks spec. - lots eg. ruby silver

Reports - eg. - Thesis

- Westmin Reports

Computer Data; eg. Ore Reserve (MDRU) work

Maps - excellent example of 'finding'/preserving old data (eg. from original 4-Level site drawn to 6 level exp)'n camp by Adam Okrainec (in mid '70s) + 'refound' by - Harlan Meade

⟹ ask Harlan for letter re-value!! Also - discuss 'process' (Grech onion-skin maps)

- No Bench Plan maps done

Marek Nowak - MDRU (Al Sinclair)

- work on 'ore reserve' project

- large data base

822-2646

METRIC LEVEL

(5)

Very Valuable

eg. John Payne compilation.
Paul Lhotka "

CORE — look at ✓ ok.

Letter to: Alf Randall - Chief Geol.
Denis Gregoire - Mine Mang.
Paul Wojdak
Harlan Meade - VP, Expl.

NEVILLE CROSBY INC
VANCOUVER, B.C.

PREMIER

Sept. 22/91
Rein + 12K

Alf Randell; Bing Loveting
Peter Folk, Bob Lang

555 Bench - current mining + 2 Level Portal ! ! ! au, mining

Cut-off @ 1.4 g/t Au; 2.5 g/t Au

Try 2000 TPD (25,000 tonnes of rock mined)

(now) 8:1 → (later) 5:1
(stripping ratio)

"Massive Sulphides" correlate with higher grade gold (à la Big Missouri pods)

- looked seriously at putting in a base-metal circuit - for now - put in a pond for later use!

- Production 'reserves' calculated at 25m drill spacings. Re-did using all available data (incl. historical production data) i.e. very difficult serious problem.

- currently drilling up-holes from 4/6 set-up on 2 Level into bench above to determine feasibility of mining (expl'n cost will be 50/50).

[OVER]

METRIC LEVEL

Westmin fax: 636-9134 (Premier Gold)
to Paul Wilton - Sept. 27th re- DG's

- Good photo of No. 2 Level portal with 'MS' zone (vertical) above + western tip of old Glory Hole to the left. - Grades to 5 g/t Au

NEVILLE CROSBY INC
VANCOUVER, B.C.

PREMIER June 2/81

Colin MacDonald - Mine Manager
Kevin Hughes - Camp
Box 1100 Stewart
81-22-375-377 ft
Fr. PLS

Level (
1) Premier
3) Northern Lights

~36 ddh (sur. + u/g) in '87

R. D. PENHALL LTD.
DUKSBAK WATERPROOF
MADE IN B.C.

PREMIER Sept. 2/00

Ulrich + Diane Kretchmar

200 mg Texas Ck. Gd.
206 mg

Gas of Ketch D-1 +
Bradfield Canal A-1
Quad. SE Mar.

GS hill 1425

Houston Minerals - Denver

(TD) dth - east (top) of Clay Hills

R. D. PENHALL LTD.
DUKSBAK WATERPROOF
MADE IN B.C.

80-1 Maroon tuff
80-2 Green por ands

Photos No. 2 ~~at~~ Level

STEWART

Wed. Aug. 9th/78

- Ship at Stewart dock loading last Granduc con. (7800 tons)

- Adam O. - 'Premier' (+ wife - Kay)
  ore >2 oz/ton Au + 150 g/ton Ag
  from Glory Hole

Hyder

Thur. Aug. 10th/78

Premier

Adam Okrainec
Ian MacLeod
John Luniek
Joe ?

outwards from massive vein = lt. green altn with dissem. min.

Mining vein in 'bottom' of Glory Hole - boulder? (Adam) or step?

- stockpiled ~ 150 tons of hand sorted ore av. >2 oz/ton Au + 150 g/ton Ag
- electrum + PbS association

Hope to ship 175 tons hand sorted

- want to explore PICTON vein above Glory Hole

- massive vein of tetrahedrite + py + native Ag + electrum

Exxon in area + others

- British Silpak Premier contract up next yr. — then give it to a larger company!

Barry Burgess 'checked in' - Aug. 11/78
(Editor - newspaper) → An around American Ck.

Bill Banerd - Aug. 11/78
- working near Gladstone Mtn. (south side of Bear R. valley) + later to Nelson Ck. (west of Meziadin Lk. by chopper)

Found ZnS-PbS-py

- met Paul + Martin on 'BCMM' boat
- F.H. Phipps - "finished" except for Pearce Is.

PREMIER May 18/78
with Adam Okrainec

Glory Hole - No. 1 level

(mill) - No. 6 level
+ addit

see Grove's rpt for maps

- close-up pic. of wire electrum
- close-up - polybasite
- Premier office
- pics - glory hole
- on way down from glory hole
pics - across Granduc road at New Indian mine
- looking up Salmon valley with Premier tramline in foreground.
- old Premier 'hotel'
- old movie theatre - 2 projectors
- assay lab
- Premier camp (6 level)

By Aug. '78 - shipped ~150 tons high grade, hand-sorted ore from floor of Glory hole.

J. L. DARLING CORP. TACOMA, WASH. U.S.A. No. 314 Rite in the Rain WEATHERPROOF

RIVERSIDE MINE (Hyder)

- underground with Nick Benkovich
- WO_3 in 'shear' veinlets
- weathered

MOLLY B

underground Indian Reserve adit

- skarn (grt-epidote-diopside) + py + MoS_2 + WO_3 + po
- WO_3 in veins

- crossed Bear River at garbage dump with John Fraser + Nick Benkovich
- what a disaster! (rowboat)