

SILVERTIP (M70WA) Sun. Aug. 1/99

(+Beryl)

[*SW - Aug. 5/99]

- 24 km by road from ~ 6 km east
of Rancharia (~ 1/2 hr. in from Hwy)

- Ivar Saunders (ex-Noranda) - only
one (watchman) on site.

- Imperial Metals just finished
(mid-July) CSMT geophysical
Surveys to SE (upslope) of
proposed Silver Creek open pit
Company is 'digesting' data, in
hopes of a drilling (surface + 4/6)
program later in Aug.

(up to 2) persons in camp in June

- searching for 'chimneys' (ct. mantos)

- 3 test (10ft. sq.) leach
pads

very acidic

clear

neutral

Photo

Discovery
Zn

MS

Farm Gp

887602

1040/16W 1040 038

① SILVER TIP (MIDWAY) 10/10/1997
Steve Robertson, Chris Reese, Linda (538) Aug. 11/97
Imperial Metals (Core - 97-15-160-190')

Photos: Core - 97-14-45-56m

- Silver Creek ^{Below 83-33]} North _{in plan} [↑] new M.S. SECS.

Mag low (= buried intrusive)
limbed. north of Brisco Hill
- strong E-W (sericite) alteration
zone thru top (north) of Brisco Hill

- Camps Ck. Fault - major N-S
fault - channelled fluids

- fluids migrated NW up strat.
to Silver Ck. & Discovery zones
(not connected).

Earn Gr. argill. acts as a CAP
- min. below 4/C in 1st
"unconformity-related mineralization"

97-140 - NW part of Silver Ck.

97-20

97-150

(2) both E-W and N-S
Seismic surveys. - working well
- 4 of 16 holes (to date) are "RG"
→ innovative to test Earn/McName ~~area~~
→ add 2nd drill once seismic
completed. 3m probe intervals (geophones)

est. \$200 - \$300/ton ore) Kevin Jarvis

→ TGS visited in Aug. 21/85
on west ~~part~~ side

→ Co. put in eastern u/g workings
in 1990 (bad ground)

97-2: 19.1m @ 321 ~~g/t~~ Ag,
7.29 Pb 10% Zn
1.39 g/t Ag

97-4, 5, 6 on Discovery Zone

surface drilling hopefully will lead to
re-opening u/g + continuing u/g
expl'n ↘ SE (under Silver Tip Hill)
towards mag low (by Brines Hill)

(3)

ADUNA

- min. dips ~ 27° E (parallel to strat. i.e. replacement by hydrothermal solns.) → 70 Ma

27 persons in camp.

Silver Cr. zone (not incl. Discovery zone)

RESOURCES: 1.4 ~~mm~~ tonnes @ ~~317~~ g/t Ag, 5.8% Pb, 8.3% Zn (conservative) Gross value = US\$160/tonne

Silver Cr. zone (North and South zone) av. 10m thick by 80m wide
Discovery Zone - 2 to 4m thick by 150m wide

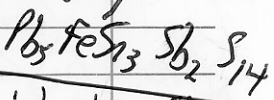
1997 Drill Proposal: Identified ~50 sights (holes) - prioritized top 20

- drilling will incl. Bryna Hill may low (buried intrusion?)

To 1997: - 58,000 m drilling
- 5,000 m - U/G - level

stannite
Pb-rich min. assemblage suggests an intrusive source (Tortona)

④ → distinct mineralogical differences between north and south zones of Silver Ck. dep.
 - esp. of freibergite, pyrrhotite
 Pb-sulfantimonides
 (i.e. north - lower - temps
 south - higher - temps.
 - Geocronite and francite:
 Sulphosalts Pb₅SbAs₅S₈)



Aug. 1/97

Photo: seismic line (3-m interval - red flag)

Photo: Look N from Upper Adit
 (Mintie - Silver tip)

Photo: Look N over Silver tip from
 oxide zone above.

Photo: Look S over oxide zone
 - prev. estimate ~ 25,000 tons
 of 100 opt Ag + up to 50% Pb
 (enrichment?)

- assaying for indium, germanium, gallium

- est. 6000 tonnes on ore stockpile.

Note: Cominco had wanted to option property

→ see prev. notes re: mantos (tubes)
 ± MVT min.

①

MIDWAY

wed. Aug 21/85

cloudy, rain

Tour Guide - Bartek?

cf. Santa Yvaelia, Mexico

- mantas vs mantos

- tube-like (not chimney-like)

- tubes average 15-20m x 15-20m

One 'level' of tubes traced by drilling to 260 metres (ie. cavities (caverns) possibly along an old river channel).

- Ore 'control' occurs at top of Mc DAME LST. & contact with overlying Sylvester shales.

- Some 'leakage' of sulphides up into shales.

- fantastic 'tubes' (vertical) that have been filled in

LEVEL (S)
with banded breccia + sulphid ore.

- sharp contacts at walls of tubas.

MINERALIZATION

PbS-ZnS-py + minor tetrahedrite

- Unconformity between Sylvester + McDan.

- 'Driving force for min. sulphs.
→ Cassiar batholith.

- Pb-isotopes from McDan
1st 'ore' + Sylvester
Shale 'exhalites' are same
∴ similar source?

'Exhalites' (e.g. Discovery zone) are
prob. 'primary' but also 'younger'
min. from Cassiar 'event'.
(- overlies the main Midway 'ore')

- McDan 1st Unit has been
subdivided into 7 or 8 'beds'

Aug. 21/85

② on basis of stromatolites,
anthr. ... , eurydomo phara
(some as marker beds)
→ show up as elongated
whitish 'eyes' in grey lst.

Mantas dip @ 15-20° SE

Reserves might decrease by $\frac{1}{2}$,
but grade will remain same.

- cose. x-line gypsum / calcite
cavities.

- Feather-like marcasite (assoc.
with cose. gr. pbs) - often
assoc. with highest grade.

Au grades appear to av. ~ .03oz/t
within ore zones

Geophysics (Pulse Em?) might help
in tracing these "tubes"

610.8 Km

Photo DDH-82-8 Lower
29 ft. of M.S. Sec.

Photo DDH-81-3 Discovery
cise py-cubes Sec.
in 10' sec.

Photo 82-17 48.9m
Lower Sec.
(new zone)

Photo Looking easterly
down dip to DDH-17

Photo - bedded H.W. py.

MIDWAY

Sept 17/82

Jeff Rowe
Mike Sanguinetti
Jim Hylands
George?

1981 - 6 holes

1982 - DDA-7 to 17 (so far)

(~ 15,000 ft.)

- plan - 4000 more

∴ total ~ 19,000 ft.

- 3 Zones - Upper
Discovery
Lower

- Lower Zone - more continuous
+ thicker this yr.
- also down into McDame

Younger Pb5 (A) veinlets x cut
straw

"Mississippi Type" Pb-Zn
stratigraphic

Possible Mineral zoning Pb₂Zn - Cu₂S Pb₂Zn

Also Zn above Pb!

conduit (METRIC FIELD(S))

13 miles by rough
rd. ~ 1 hr 15 min
to km 1136,

Ewen barite showing
(good quality barite)

N

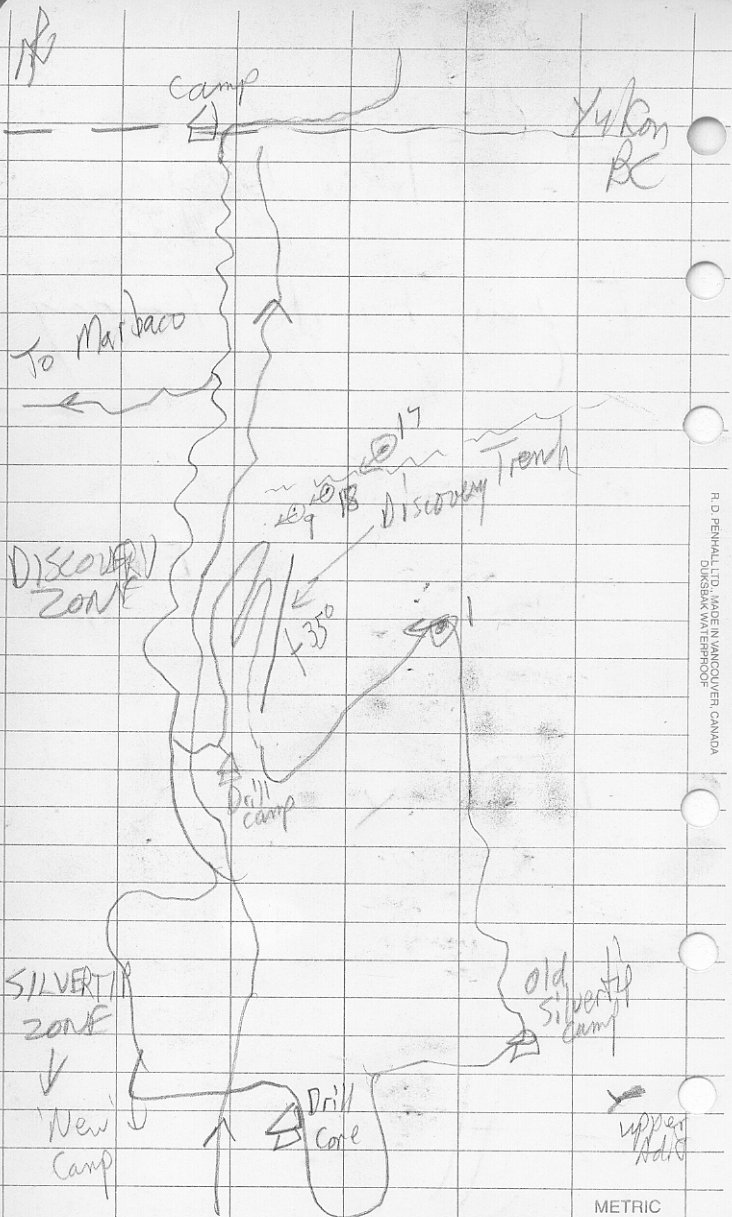
Coar

Ewen
barite

Upper
100' section
Lower

DISCOVERED 350

SILVERTOP



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

METRIC
 FIELD (S)

MIDWAY

Aug. 14/83

- Bill McMillan, Don MacIntyre, Fyvie Hay

Cloudy, sun,
rain

Owen Haursone (Cardillan)
- 11m flylands

4 drills (+ 1 to come)

up to DNH
82-22 ik
1982

DDH 34 + 35 near

EWEN barite bc/yk/m border
- "Nevada" type i.e. good consistent
grades.

Lower Zone min. at contact

Sylvester shale
McDerm test.

Sample - weird feather pyrite
82-8 - 206 m

3 exhalite (siliceous) zones (av. 1m) above
mineralised zones

- Slump textures in argillites resemble
those in Windy Craggy

- Strong tectonic (fault) importance

- 1/6 mining situation

Sue Walker - Mine bed.

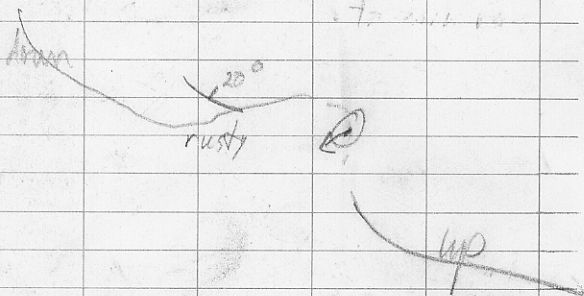
R. D. PENHALL LTD. MADE IN VANCOUVER, CANADA
DUKSSAK WATERPROOF

METRIC FIELD

PHS DDA-83-31
(Silver Ck)

New Roll

Looking NE over ddh/31
with 'exhalites'



Pat McArdless PDAc '01

Phase 1 #135- CSMAAT
survey

Phase 2 ~ \$3.3M - w/G
drift for expln ddh

Total ~ \$6M