

(1)

680616

Geome

Buttle  
 Cowichan } Uplifts. fault & fold bound  
 NanOOSE } Mid Dev. Island arc.  
 + Westcoast.  
 + Gwaltay Mine.

W.M.R.C.L.

Buttle Lake

- 1865 - Capt. John Buttle. - Bedwell R. landing 1<sup>st</sup> on Buttle Lk.
- 1894 - Expedition - geographic. 1911 Strathcona Park created.  
 • Uplift named by Buttle Lk. R. - Anticlinal  
 • Lynx Mica boulders are bodies.  
 • 1918 Park opened for skating. - orig chrs. elected. 'Geo X Gr'.  
 • 1918-22 Cu & Au expln. / 2000' on mica.  
     Dorfip. "  
 • 1929 H.E. Gunning foresaw a link bet. lynx & brcie. (St. 3mbs.)  
     & large tonnage milling one.  
 • 1928. orig. showing described by Gunning of Rica re-found following  
     his death.  
 • Rica offset. to mica. - Lynx. (3km str. west from  
     pmnt).  
 • 1950s Granby option. 2021  
     Reynolds & Spud Huestis staked acquired.  
     Western mines optioned from Reynolds synd., suggested  
     by Cowichec (Harold Wright) (Thayer Lindsley recommended)  
 • 1962 - Lynx zone expln.  
     64 - Audit on Lynx. - reserves difficult to establish w/g.  
     reserves 'reduced', difficulties with financing. Cowichec  
     busted out. Prod. 1964-72  
 • 66 u/g work led to open pit.  $1.8 \times 10^6$  tns to 1974.  
     66 680 tpd. → 1200.  
 • 70 mica deposit recognized  
      $5.3 \times 10^6$  tns Lynx

(2)

(Ted Munro - Cominco/Western suggested super-mass  
sub-sh.)

Mid 70's - Bruce Spencer ran expt.

Early inter. discovered structure

• Tunnel from Myra to Thelwell, drilling

1978 • Rock walls started - new spes. Geo framework  
• Excls separate

1978 • Upper brce found (*Gunnis descripta*) -  
• Infested flt. set. myra/brce.

• Valley floor drilling found HW 2000' N of myra -  
based on geological inter. from 42 holes drilled. (none 1/3 H.W.)

• one month after discovery x cuts started from myra  
and Lynx. 15 1/3 HW. ex

12. Lynx - Myra - brce recognised as 22,000' str. length  
50' sections drilled - v. difficult to drill, as zone occurs  
both sides fold.

Lynx x-cut drilling 1983.



Interpreted HW potential offset of HW to NE

HW.

$7.2 \times 10^6$  m³

Res - 15.23  $\times 10^6$       2.1 Au 57 Ag      1.8 Cu 69b 5.8 Zn

(Lynx -  $3 \times 10^6$  T - 3 yrs reserves throughout life

HW  $9.5 \times 10^6$ .

X section, cartoon -

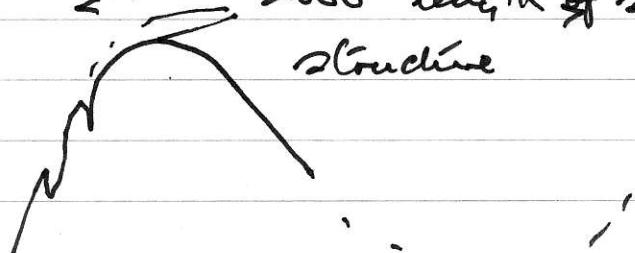
8 Rhombites in 1500' thick sett. upper

< 2000' length of structure

structure

HW

Folds.



Bracing short. trend // structural trend

(3)

Valley follows hinge of anticline @ W. end?

1980 - Prop. is less than intend. to fault. Then faulted off ext. in Thelwell.

1986-89 - no expln. funds.

1990 - West Ridge in synclinal trough of HW zone to west.

Gap Battle 1200' offset by X fault.

Cf. Shear succession from across cross faults inferences displ.

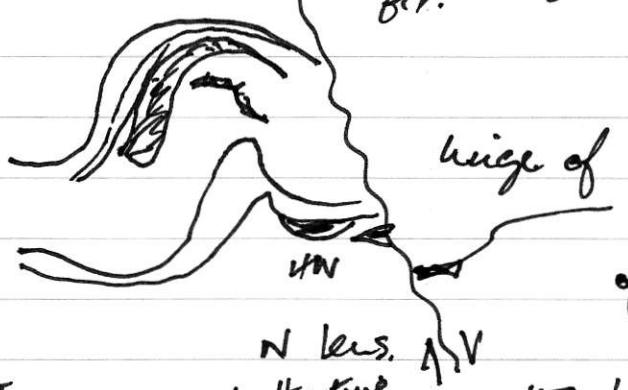
( $2.1 \times 10^6$  potential unknown grade)  
 $29 \times 10^6$  T.

+  $10 \times 10^6$  sulphide waste in HW.

May be other methods. Eg. Trumpler - E prop. of HW in Thelwell Valley 2 good holes in mass. Sulph

Ridge Zone west open - drifts planned to follow trend to west. Rely on drifts - 2 km to W. Drift. \*

N lens -  $\equiv$  Battle & Gap  
Main lens - { Main Zone extension }  
NW SW margin }  $3/4$  km }



Lynx anticline is axial  
hinge of uplift.  
2000' elevation  
of zones.

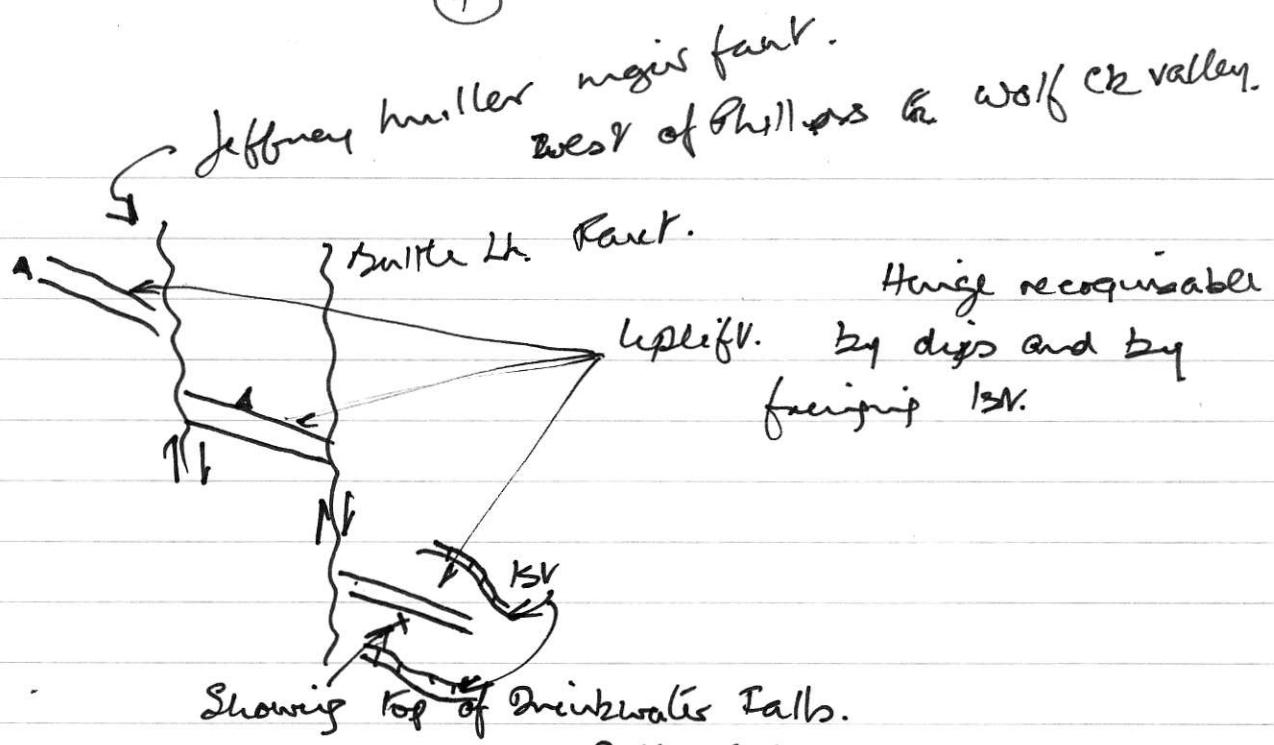
WEST EXT v. attractive. 1000' displ. vert.

\* Sulphide zone, 918 feet. phys. w. of Boundary Ross.  
cov. with Upper Rhy. Phillips Valley - in class A Park.

EAST EXT - 8 holes planned

Review lateral displ. of faults.

(4)



Hinge recognizable  
uplift. by dips and by  
fracturing ISV.

Valley along anticlinal hinge.

Great potential in banks and to east.

Also Gedwell Sound - batholith ber. lenses and Gedwell  
may be extensional separation.

$1.9 \times 10^6$	oz Au
$42 \times 10^6$	Aj
1.2 bill	Cu
3.1	Pb
6.1 bill	Zn

6 billion dollars value. @ nice