

METRIC FIELD (S)

APPLE BAY (PEN 100)

Fri. Aug. 17, 1974
Sunny, +27°C

- Product = ALUMINA
- part of VIX tour, led by Jo Shearer (Homegold) Electra Gold
- #0 expl'n '94 [Keystone Cons. Eng.]
- Permit to ship 110,000 tonnes (may up to 200,000)
- no shipments from Monteith Bay in '94 [Very annoyed with Kim Belletang]

High sulphidation caps on top of flow cone rhyolite (in upper section of Bonanza Volc.)
chalky "Geyserite": Silica + alumina + alkali

- advanced argillac. (alkali-deficient) ~ 10% knobs
- ~ 1 M zone ^{no sodium} on tide water
- (Pot. for 5m) (large / high)
- STOP** Pot. drilled in NW zone, just to NW - but too much py.

- PEN 100 - currently ^{shipped out to dock} mining 200KT (3-4 yrs) + 200KT below
- PEN 170 - another zone (to N ^{to pot. of Pen 100}) (P 143 - too much PY)

* see Andrei Pantelleyev's paper (~1994) - class mineralogy

- Beach occurrence

10% Al ~ 85 Si (soft / crush!) (proximity to tide water - key)

- cement product. (20% is Al + Si)

880461
Apple Bay

R. D. PENHALL LTD. MADE IN VANCOUVER
DUKSBARK THERPROOF

② looked at core in warehouse in town (Port Hardy) ^{community support + First Nations}

Photo: ① MW zone: Py-rich 'bleb' in chalky geysers

② Look W towards Apple Bayn quarry (white 'spot' to left of knob - drilled to rt. of quarry to treeline just below top of knob)

- load 2500 tonnes per barge shipment to Ash Grove (cement) plant in Seattle (ex. #4/tongue shipping)
- barge limestone in from Texada Is. mine (Laforge) to neutralize product.

③ PEM 100 'pit' - Chalky Geysers
Av. 12% Al (customer's needs)

Deposit ~ 100 ft. thick ^{High silver} ^{ex'n pit 1982} ^{partner}
Assays: Al, Si, S (<2%) ^{not 23%} ^{Leigh}

[note: Current customer = Ash Grove
Potential " = Leigh
" = Laforge - need new source]

Ref. Ge. J. dluk 1992 - Panteleyer
critical pt. for mining
= sulfur content (<2% S) in pyrite