

Adanac Disc. with Ed Holt Jan. 15/79

- 1 hole bottomed in 0.5% MoS_2 on divide to SW.
- 1 hole went thru 1200 ft of gouge' in Adera Fault = 0.2% MoS_2
- W in conc + also U_3O_8 !

Great Potential!!

ADANAC-1979

Half a dozen specimens of ClSe + fn. gr.
phases of alaskite with MoS_2 .

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Location: 40 km NE Atlin

History: Disc. - 1905 ; 1967 - Adanac ; 1970-71 Kerr Addison ~ 20,000 m = 114 dth
+ 873 undgt. devel.; bulk samp.; pilot mill + feas.; 1973-75 - Climax

Age: 62 my

Geology: - northern edge of Mt. Leonard boss - a composite 22 sq. km.
Early Tertiary intr. intr. into Fourth of July Ck. bath. + Cache Ck. meta.
- 6 major rk. units
- coarse granite (alaskite) (alkali gr) - oldest + most common host much MoS_2
- Adera fault bounds northern edge of dep. but poorly exposed
with steep dip $80^\circ N$ - defined by intense argill. + slick. $MoS_2 = 37 m$ wide
+ may be up to 150 m wide - mag. of movement unknown
- post-intr. + post-ore movements.

Mineralization: \Rightarrow 1 @ 36 m. long x 550 m. wide x 198 m thick.

- 2 Vein Types: 1) inward-penetrating MoS_2 rosettes dist'd erratically
along vein boundaries - locally vuggy + rare fluorite + powellite.

2) contains little gtz. + dip steeply - composed largely of MoS_2 but
too widely spaced to contribute sig. to tenor of dep.

- veins occur in all major rk. types. - most common in coarse gr.

- areas of $> 0.1\%$ MoS_2 form blanket-like zones with gentle dips

- zones reach 60 m thick but commonly sep. by 15-30 m barren or ^{low grade}

\rightarrow apparent coincidence of 0.1% MoS_2 zones with contacts of
Ruby stock suggests stock is source of min.

- MoS_2 issued from + collected in frags. near Ruby Ck. + Crowded
Por. stocks.

- Tungsten, wolframite - at Black Diamond - later, prob. - unrelated

Alteration: weak propylitic in Ruby Ck. - chlc. after bio; weak py halo

Reserves: 94,350,000 tonnes of 0.16% MoS_2

Conclusions: ① MoS_2 mainly from Crowded Por. + Ruby Ck. stock. ② lack of
strong alt'n (ie. cont'd emplac. of hot magma into surrounding still-warm host rx.) ③ intr.
+ min - rapid (ie. little time for XI fractionation). ④ overlapping min. zones.
NOT AT ROOT ZONE OF HENDERSON

ADANAC

Sci. No.

DESCRIPTION

Ad-1 TS Md. gr., equigran. quartz monz.

Ad-2 TS Md. gr., alt'd (sauss.-green) QM

Ad-3 TS Crse gr., porphyritic QM

Ad-4 TS Fn. gr., lt. grey, 1% mafics -qtz-fsp po.^{+H₂O₂}

Tulsequah Chief (Aug. 4/04)

- Bob Carmichael
'04 - 30,000 m dth
to end '03 - spent \$28M
327 Ma
- Deep drilling = 2nd (new) leg
Ann. Meet. 91koz Au Equiv.
Smelter: Pb - 4%;
Zn - 40%, Au - 28% Cu - 24%
Ag - 18%

Analogy: Myra Falls
- excellent metallurgy
- upside opt'n pot'l
102 + 106 holes ('04)
5'25 collect - eq. 30m

ADANAC (Dave Philip)
- Aug. 4/04
+ 90-95% recoveries
* roast to molybdic oxide
* Ship from Skagway

METLA (Dave Tupper) Aug. 4/04
* gold 'target' (APb + Zn + Cu + Ag)
* 3 other JV's with Asphes
* 1991: 10 dth (Galico)
* carbonate-shear veins (+Pb)
* Heterolithic by
* Veins in diorite
* Au assoc. with pyrophyllite

Yellowjacket (Yudaland)

- Muskox Minerals Aug. 4/04
- Anorogenic mesothermal
qtz vein style (after Ash)
- most of Au in stock tail
Analogy: Maryland, Calif.
- mineralized diabase (esp. in
fault zone) - frags. with
qtz + carb + gold

100+ dth - upstream of Discovery
- near Gold Run
Pine Ck fault ~ 50m-wide
tip to SE => drill to N.
if drilling down dip extent of fault.

300 m strike of drilling
- computer modelling of all dth
Hask: alt'd ultramafics (outcrop)
- Muskox using Homestake core
14 dth by Muskox priority
Spring '04
- Gold in: i) qtz veins
ii) bi-sulfate (+thorite)
iii) silica - flooded near bottom
ultramafite (+ talc)
iv) diabase

- extreme nugget effect.
-> continue infill dth
- dth to depth
- airborne survey
- bulk sampling of shallow
dth intersections

TTHORNU (Adam Simmons)

- Rimfire Aug. 4/04
- new oban bx - IP target
Regional: 82-93 Ma rocks
dth in Sept. (Darcy Baker)

ILLINOIS (Chris Smeager)

- Kobacka Aug. 4/04
2053 dth.
due to ice melt + (glacier)
late Crd. Gd. @ contact with
metaseds
- Au - nearby (.27 to .75%)
- Mo - up to 1.9% Mo
IP survey: N-S chargeability

2004 work
- further IP - in fill + foli
- 500 m dth (2 holes)

2nd Atlin Geoscience Forum
Aug. 4/04

Tom Schrock