KALAPPA — D-Berkshire — Dec. 3/87

(1) — recce. work on Lone Cone Group
— discovered massive sulphide showing : — believed to be old "Lone Cone" showing.
— occurs in very dark, very fg rock believed to be silicified andesite.
— visible mineralogy mt., cpy, po — no skarn minerals.
— believed to be hydrothermal replacement body — rocks mapped as Sicker Grp.
— massive sulphides occur continuously over width at least 15 metres.

— 4 chip samples, 2 m. each in length — spaced evenly across width.
— assayed at two labs, Chemex (Ch) & Kamloops (K) :

— #1 : — Ch — 2.84% Cu, 0.61 o/t Ag, 0.073 %t Au
— K — 3.9 % Cu, 0.87 Ag 0.020 Au
— #2 : — Ch — 2.88 Cu, 0.66 Ag, 0.024 Au
— K — 3.16 Cu, 0.76 Ag, 0.042 Au
— #3 — Ch — 2.0 Cu, 0.39 Ag, 0.041 Au
— K — 3.12 Cu, 0.64 Ag, 0.036 Au
— #4 — Ch — 1.42 Cu, 0.33 Ag, 0.014 Au
— K — 1.84 Cu, 0.41 Ag, 0.029 Au

— anomalous Cobalt — avg. 0.073% Co — no Cr, Ni, Pt, Pd

(2) — also on Lone Cone Grp. : — 60% well-mineralized boulders in creek (olivine gabbro)
— typical analysis: ~~0.6~~ 0.6 % Cu, 0.2 % Ni, 60 ppb Au, 380 ppb Pd, 20 ppb Pt
— geology: — Sicker Grp. seds intruded by Jurassic gabbro & then Tertiary qtz. diorite.

Kalappa — Dan Berkshire — 87/10/21

- continued to extend grid — have found 3 new veins and more massive sulphide (mainly arsenopy.)
- geophysics, geochem., detailed geology (Bill Pentland) over grid.
- best target is concealed EM/mag anomaly — large and strong
- float boulders (downslope) of massive sulphide; 3 samples assayed:
  10, 14, & 16 % Zn
  ~ 2% Cu, ~ 2 oz. Ag
  0.4 - 0.11 oz. Au
  — low As in contrast with vein mineralization.

- also working on Lone Cone group
  - found olivine gabbro w 30-40% sulphide; py, cpy, po, pent.
  - has & re-located Iron Cap — produced 17 tons in 1917 (cpy + mt + 1.6 oz. Au)