

NINE LAKE M.C.
PRELIMINARY SUMMARY OF MAG. & E.M.

825316

Sept. 7/72

CO-INTEGRANT MAG + E.M. ANOMALIES

- ① - 1000' x 100' to 300' wide ^{NEARBY} E.M. anomaly (-6° to -10°) trend NW across mineral claims Nine Lake Nos. 34, 44, and 42 within a low magnetic area (approx. 50° below background).
- (a) No Cu, Zn or Pb geochem anomalies or high values, ^{which may} indicate base metal mineralization.
 - (b) W₂O₃ geochem values indicate tungsten mineralization though no anomaly outlined.
 - (c) As geochem - not indicative of mineral occurrence though geochem work not completed.
- Mio. rock exposure over area - all pegmatite.
 - E.M. anomaly more pronounced on 600' separation using 5010 Hz. freq. but due to electrical storms ~~at this~~ occurring during fall season, unable to complete adjacent lines using same separation & freq.
- ② - Two POSITIVE E.M. anomalies, ^(+6° to +10°) 700' x 300' wide and ^(+6° to +22°) 900' by 200' wide, occur in EW direction in NE corner of claim #1.
- Two mag anomalies coincident with E.M., but narrow (50' to 200' wide) and of low intensity (40° above background).
 - No Cu, Zn, Pb geochem highs.
 - No rock exposure over target, quartzite adjacent to anomaly.
- ③ - Cluster of small mag. anomalies with claims 61-64 and 68, trend NE-SW, Mag Anomalies 500' to 1400' long by 100' to 200' wide, ranging from 15° to 700° intensities.
- One POSITIVE E.M. anomaly (+6° to 15°) straddles two of the mag anomalies.

- at the common location post for claims 61-64. Diorite sill underlies half the E.M. anomaly & most of the mag anomalies.
- Another small positive E.M. ($+4^{\circ}$ to $+9^{\circ}$) is coincident with a small (area) but high intensity (1000^+) mag. anomaly. Basic dyke with 5-10% pyroxite noted at location of highest mag reading.
 - Geochem (Cu, Zn, Pb) values indicate ~~and~~ minor occurrence of mineralization.

Non Coincident MAG.

- ① - Cluster of small mag anomalies, 400' to 700' long by 100' to 200' wide, occur within claims 2, 4 and 30.
 - Not explained by rock o.c., where ore occurs no mag anomaly. o.c. seen = quartzite + diorite sills - minor occurrence of chlo., sphal and/or pyroxite groundmass, with glz veins.
- ② - Line of mag highs, ~~map~~ dipping between 400' to 700' long by 300' to 500' wide and about 50^x intensity, is strong out ^{area} from claims 25, 26, 35 and 37.
 - Geochem values do not indicate anomalies values, but higher up the mountain a few anomalies Zn & Pb values occur.
 - Peg. occur within area but appear to be explain by quartzite + diorite.

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