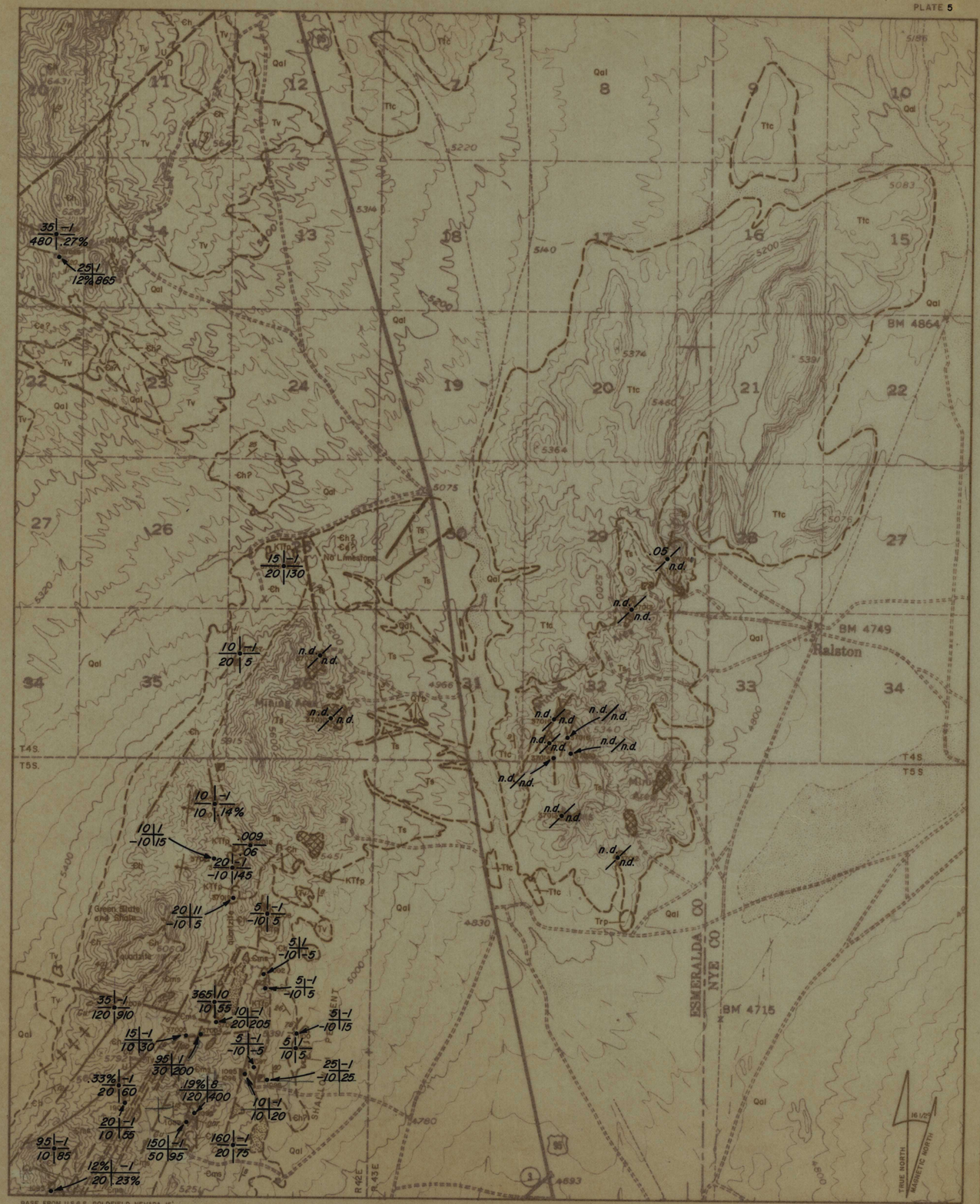
GEOCHEMICAL SURVEY OF THE CUPRITE DISTRICT AREA

ESMERALDA AND NYE COUNTIES, NEVADA

1975

PLATE 5



BASE FROM U.S.G.S. GOLDFIELD, NEVADA, 15' TOPOGRAPHIC QUADRANGLE, 1952.

RF 1:31,680

SCALE IN MILES

CONTOUR INTERVAL 40 FEET

COMPILATION BY RON C. LONG, 1975

CONTINENTAL OIL COMPANY
MINERALS DEPARTMENT
RENO, NEVADA

CUPRITE DISTRICT-EXPLANATION

QUATERNARY

- Qal / QTb — Alluvium, basalt flow.

TERTIARY

- Ttc — Spearhead Member of Thirsty Canyon Tuff, welded ash flow.
- Trp — Rhyolite porphry, plug-like intrusive (?) masses.
- Ts — Siebert Tuff, tuffaceous lake beds, conglomerate, diatomite.
- Tv — Volcanics, flows of rhyolite, andesite dikes, ash flows.

CRETACEOUS (?)

- KTfp — Felsite porphyry, elongate intrusive masses.
- Kqd — Quartz diorite, probably a sill, foliated.

CAMBRIAN

- Ꞓe — Emigrant formation, limestone, black chert, siltstone.
- Ꞓms — Mule Spring formation, limestone with algal structures.
- Ꞓh — Harkless formation, siltstone, quartzite, minor limestone.

ALTERATION

- Chalcedony, kaolinte, native sulfur.
- Marbleization of limestone.
- mag — Magnetite tactite, veins and pods.
- qo — Veins: quartz and iron oxides, commonly copper-bearing.
- gar — Garnet veins or disseminated crystals.

SYMBOLS

- Contact
- 40 — Bedding attitude.
- 40 — Joint attitude.
- Synclinal axis
- U D — Fault, U, upthrown side, D, downthrown side.
- • 57013 — Geochemical sample site and number.
- Shaft
- Adit

GEOCHEMICAL SURVEY

- Sample location
- Cu/Mo, Pb/Zn — In *ppm* or percent
- Au/Ag — In ounce per ton
- *n.d.* — Indicates not detectable.

Conoco-Cuprite District (86)

Item M3

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