

# GEOLOGIC MAP OF THE CUPRITE DISTRICT AREA

ESMERALDA AND NYE COUNTIES, NEVADA

1975

PLATE 4



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

1 3/4 1/2 1/4 0 2  
RF 1:31,680

SCALE IN MILES  
CONTOUR INTERVAL 40 FEET

COMPILATION BY RON C. LONG, 1975

NOTE: EXPLANATION ACCOMPANIES THIS MAP.

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 porphyry, 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	Es Emigrant formation, limestone, black chert, siltstone.
	Ems Mule Spring formation, limestone with algal structures.
	Ch Harkless formation, siltstone, quartzite, minor limestone.
ALTERATION	
	Chalcedony, kaolinite, native sulfur.
	Marbleization of limestone.
	Magnetite tactite, veins and pods.
	Veins: quartz and iron oxides, commonly copper-bearing.
	Garnet veins or disseminated crystals.
SYMBOLS	
	Contact
	Bedding attitude.
	Joint attitude.
	Synclinal axis
	Fault, U, upthrown side, D, downthrown side.
	Geochemical sample site and number.
	Shaft
	Adit

NOTE: THIS EXPLANATION ACCOMPANIES GEOLOGIC MAP OF THE CUPRITE DISTRICT AREA, ESMERALDA AND NYE COUNTIES, NEVADA (PLATE 4).

Conoco-Cuprite District

Item M5

Run at 5

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