COPPER

SOIL GEOCHEMICAL SURVEY

COPPER CANYON
Mineral County, Nevada

EXPLANATION

ppm Cu	
zero - 45	unsurveyed where sample points not shown
46 - 185	
186 - 499	
greater than 499	

These results are based on a Statistical Analyses on the analytical results from 891 soil samples. The samples were taken along roughly surveyed lines by Michael McFarlane (Party Chief) and John Hardy, between July 15 and August 22, 1977. Between 30 and 40 samples which were taken during an orientation survey by Chi-I Huang and Ralph Mulhollen in June and July, 1977, have been eliminated from the map and the statistical analysis.

The procedures for the soil survey were specified by Chi-I Huang. An attempt was made to take each sample from the lower A-horizon mineral soil, and to avoid the upper A-horizon soil containing organic material. Between 0.5 and 1.0 pound of material was collected at each site. In most places the A-horizon lay either directly over bedrock, or C-horizon soil materials. A relatively clay-rich B-horizon was seen in only a few places.

Undoubtedly, many samples represent materials which have been transported downslope a slynificant distance by creep or fluvial mechanisms, and some samples have been taken from over a parent material of talus.

Each geochemical zone on the map represents one or more populations of metal values defined by separate log normal distributions. Subdivisions are placed, according to judgment, at the more meaningful boundaries between certian populations. Some zones include a few sample points which are foreign to the group. In most places an attempt is made to select boundaries which are more likely to reflect boundaries in the underlying bedrock.

Sample Point Location	Metal Content With Respect to Geochemical Zone
○	Less than zone
●	Normal to zone
◎	Greater than zone

Scale Range

One Inch = 326 feet to 362 feet

1:3912 to 1:4344

Bar Scale Drawn to one Inch = 348 feet

1:4176

0 1000 2000 Feet

Cities Service Minerals Corporation
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