

Portion of map from

15

Geology of the Water Canyon Area,
Magdalena Mts. S. W. Co.,
NM, Philip Kalish,
NMIMT MS Thesis 1953

Qgr
Qal
Tld Lamprophyre
dikes
Tmd Monzonite
dikes
Tpr Pink Rhyol.
Tlrr Late Red Rhyol.
Tap Andesite
Porphyry
Tra Rhyol. Agglom.
Tita Late trachytic
andesite
Tsr Streaked Rhyol.
Teta Early trachytic
andesite
Terr Early red
rhyolite
Tpa Purple andesite
Cs Carboniferous
ss (Kelly,
Tpa Sandia, Madera)
Grs Greenstone
B



Aug. 1951 CTS work on Buckeye; Cp. unpub. rept.

Cu, Pb, Ag, Au exploited in late 19th C.

work stand. in 1901 when water in lower level, still
filled as of 1953

"Mineralization of the Kelly ls is prob. genetically
related to the Tert. monzonite stocks and the
ore bearing solutions are thought to have been
localized along a low & transverse fault trending
roughly N30E. Only one record of an ore shipment
from the Buckeye mine is known. The ship. was
made in 1917 when 53 tons of ore averaging 0.02 oz.
gold, 2.79 oz. silver, and 5.57% Cu were sent to the
smelter. Virtually no ore reserves were in sight at the time
of the examination.

"Both in the Mag. dist. and the Water C. area ores appear
to have been dep. in open spaces or favorable ls horizons from solutions
assoc. w/ Tert. intrusive rhy. The sol. appear to have been localized by
Tert. faults.