

Elk Ridge

Geology and Uranium Deposits of Elk Ridge and Vicinity, San Juan Co., Utah

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Elk Ridge area receives 10-16 inches rain fall a year.
Its land is used for grazing and minor logging. Water is of great importance in the area and supplies are limited.

Elk Ridge mines produced 50,000 tons at .25% U_3O_8 .
Uraninite is the chief uranium mineral of the Elk Ridge mines.
Chalcopyrite is the most abundant primary copper mineral.
Also bornite, domeykite, tennantite.
Secondary minerals:

Uranium:

andersonite
zippeite
coffinite
uranophane
metaautunite
schroekingerite
uranothallite
tyuyamunite
uranophane

Copper minerals:

malachite
azurite
chalcanthite
chalcocite

Copper-uranium minerals:

cuproklodowskite
metazeunerite

Vanadium minerals:

corvusite
volborthite

Other minerals:

ilsemanite
jarosite
erythrite
limonite
hematite
bieberite

Uranium host rocks of Elk Ridge are in the basalt Chinle.

