5030 0026

(145) Item 34

GOLDEN TUNGSTEN PROPERTY
VICKSBURG DISTRICT
HUMBOLDT COUNTY, NEVADA

The Golden Tungsten property was submitted by Mr. Herb Merrill, the property owner. The area was examined with Mr. Merrill on May 7 and 8, 1976. The Golden Tungsten was of possible interest due to its location in a tungsten district with recorded production. The Defense tungsten mine, located about one mile north of Golden Tungsten, was operated through the late 1950's.

Location:

The Golden Tungsten property is located on the west side of the northern Pine Forest Range in northern Humboldt County, Nevada. The property is in the old Vicksburg mining district about 10 miles south of the small town of Denio, Nevada. Denio is 103 miles north of Winnemucca, on the Nevada-Oregon border.

Ownership:

The three lode claims contained in the Golden Tungsten property are owned by Mr. Herb Merrill, 80 North, 3ed East, Brigham City, Utah, 84302. Mr. Merrill has held this ground for 22 years.

Geology and Mineralization:

Tungsten, in the form of scheelite, occurs on the Golden Tungsten claims in thin bands of garnet tactite which formed along the western margin of the large Pine Forest intrusive mass. The intrusive rock actually underlies the entire claim area, and the sediments are seen to be shallow roots or pendants of the former sedimentary section.

The contact area is sheared along a north-south trend, and the intrusive rocks at the contact are cut by white quartz veins and lenticular pegmatites. The limestones which are present appear to extend only a few feet into the intrusive and, in most instances, only a thin shell of tactite has formed between the intrusive and the overlying marble. As the limestones are dipping steeply

east, lime can be seen to grade into tactite, then intrusive within a few feet of outcrop. The lime band itself is only a few feet thick, and intrusive outcrops both to the east and west of the band.

Small prospect pits, shafts, and adits have exposed the contact zone for its approximate 2000 feet of length. At points along this zone, mainly on the south end, small pods of mineralized tactite occur. The scheelite in this tactite ranges in size from flour-fine up to crystals one-eight inch across, and fluoresces a uniform golden yellow. Although some individual pods may assay as high as 0.5% WO_3, most of the mineralized tactite contains only trace amounts of scheelite and, actually, most of the tactite is barren. The best exposure of mineralization was seen in a shallow inclined shaft on the south end of the contact area. Here, limestone is in contact with intrusive on both eastern and western sides, and scheelite occurs in a thin tactite layer on the western contact zone. The tactite is about three feet thick, and clouds of scheelite occur in a few areas within the tactite. The intrusive contact dips under the zone to the east, and the ore continued only about 15 feet to the contact.

Conclusions and Recommendations:

The Golden Tungsten claims offer no potential for the development of a sufficient tonnage of tungsten ore to be of interest to General Electric. It is possible that an individual could mine a few tens of tons of low-grade ore from this deposit, but the low grade would prevent it from being shipped any distance.. Mr. Merrill will be informed that General Electric has no interest in his property.

The contact relationships in the general area of the Golden Tungsten claims are not favorable, and it is felt that this portion of the Vicksburg district does not warrent further attention at this time.

J. V. Tingley
Winnemucca, Nevada
May 10, 1976

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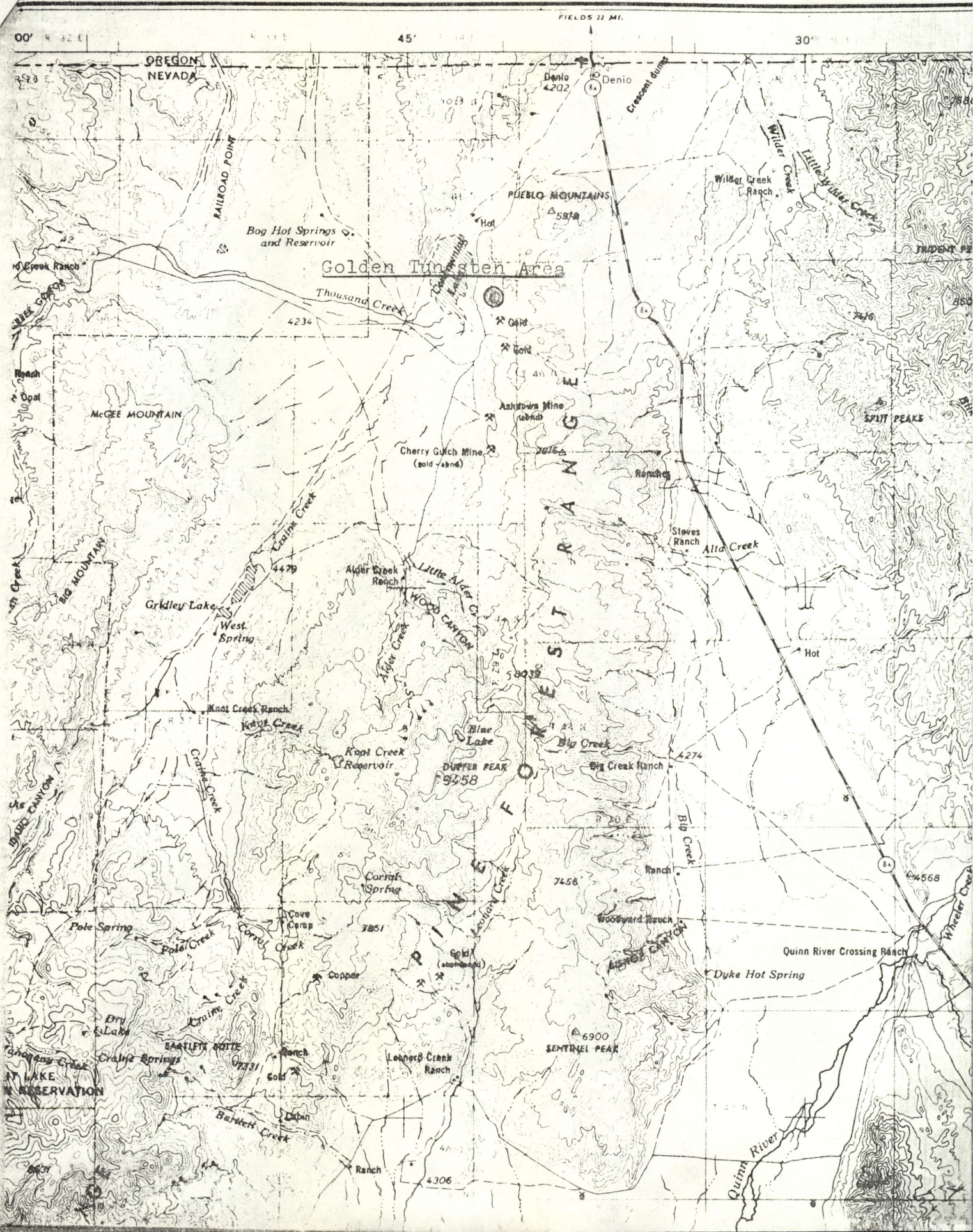
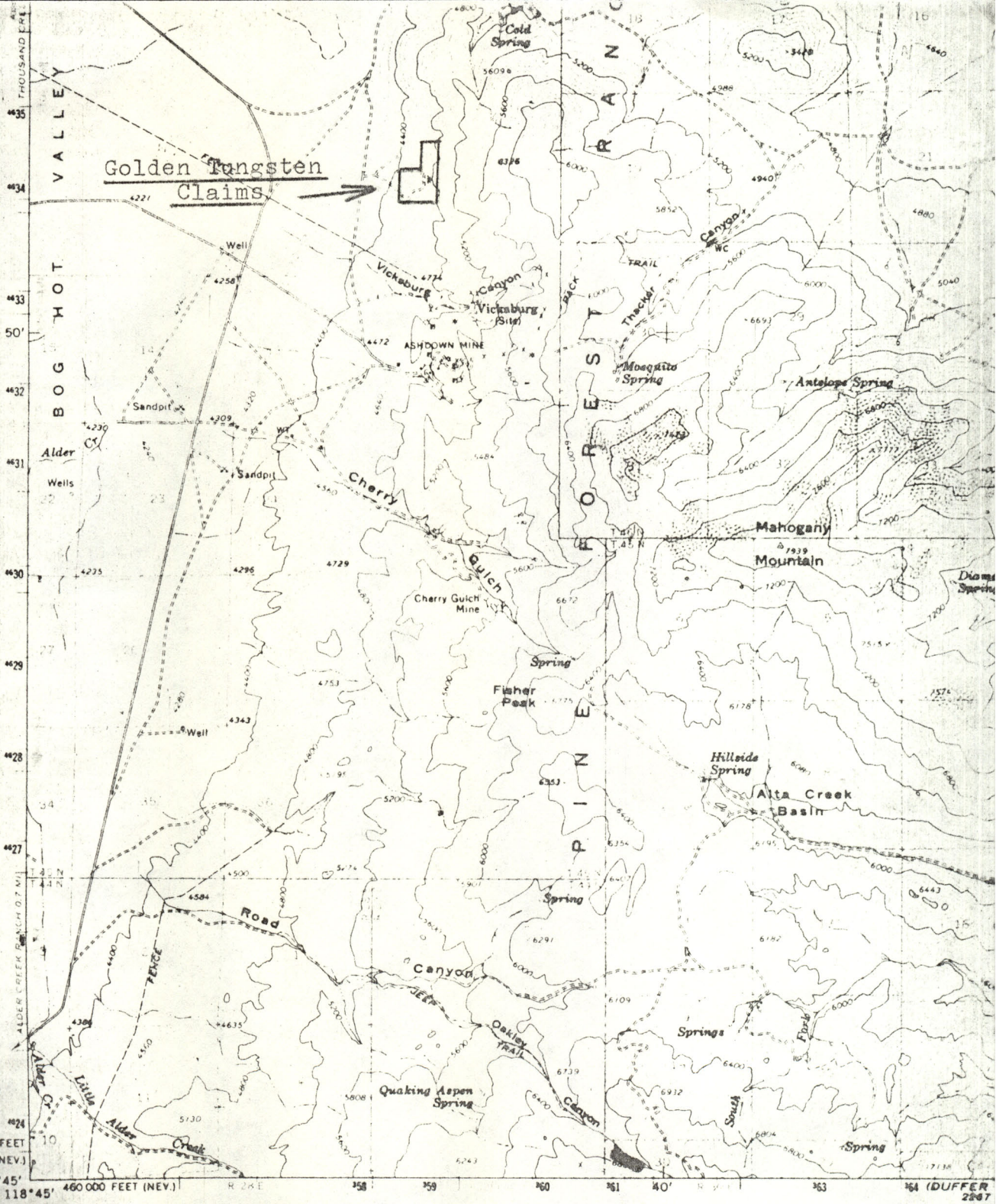
GOLDEN TUNGSTEN AREA
VICKSBURG DISTRICT
HUMBOLDT COUNTY, NEVADA





Mapped, edited, and published by the Geological Survey

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Topography by photogrammetric methods from aerial photographs taken 1963. Field checked 1966

Polyconic projection. 1927 North American datum 10,000-foot grids based on Nevada coordinate system, west zone, and Oregon coordinate system, south zone 1000-meter Universal Transverse Mercator grid ticks, zone 11, shown in blue

Where omitted, land lines have not been established or are not shown because of insufficient data

GN MN
1°05' 19 MILS
18½° 329 MILS

UTM GRID AND 1966 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:

CONTOUR INTER
DOTTED LINES REPRESEN
DATUM IS MEAN

THIS MAP COMPLIES WITH NATIONA
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER,
A FOLDER DESCRIBING TOPOGRAPHIC MAPS A

LOCATION MAP
GOLDEN TUNGSTEN CLAIMS
VICKSBURG DISTRICT
HUMBOLDT COUNTY, NEVADA