UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

STATE OF NEVADA
DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES

EXPLANATION

UNCONSOLIDATED ROCKS

QUATERNARY

Pleistocene and Holocene

Younger alluvium

Unconsolidated gravel, sand, silt, and clay. Coarse material yields small to large quantities of water to wells where saturated

TERTIARY(?) AND QUATERNARY

Pleistocene and older(?)

Older alluvium

Unconsolidated to semiconsolidated boulders, gravel, sand, silt, and clay. Coarse material yields small to large quantities of water where saturated

CONSOLIDATED ROCKS

CAMBRIAN TO TRIASSIC

Middle Cambrian to Triassic

Carbonate rocks

Limestone and dolomite. May yield small to large quantities of water from fracture and solution cavities

PRECAMBRIAN TO TERTIARY

Noncarbonate rocks

Igneous, sedimentary, and metamorphic rocks. May yield small amounts of water from fracture zones

Drainage divide

Geologic contact

Stream measuring site

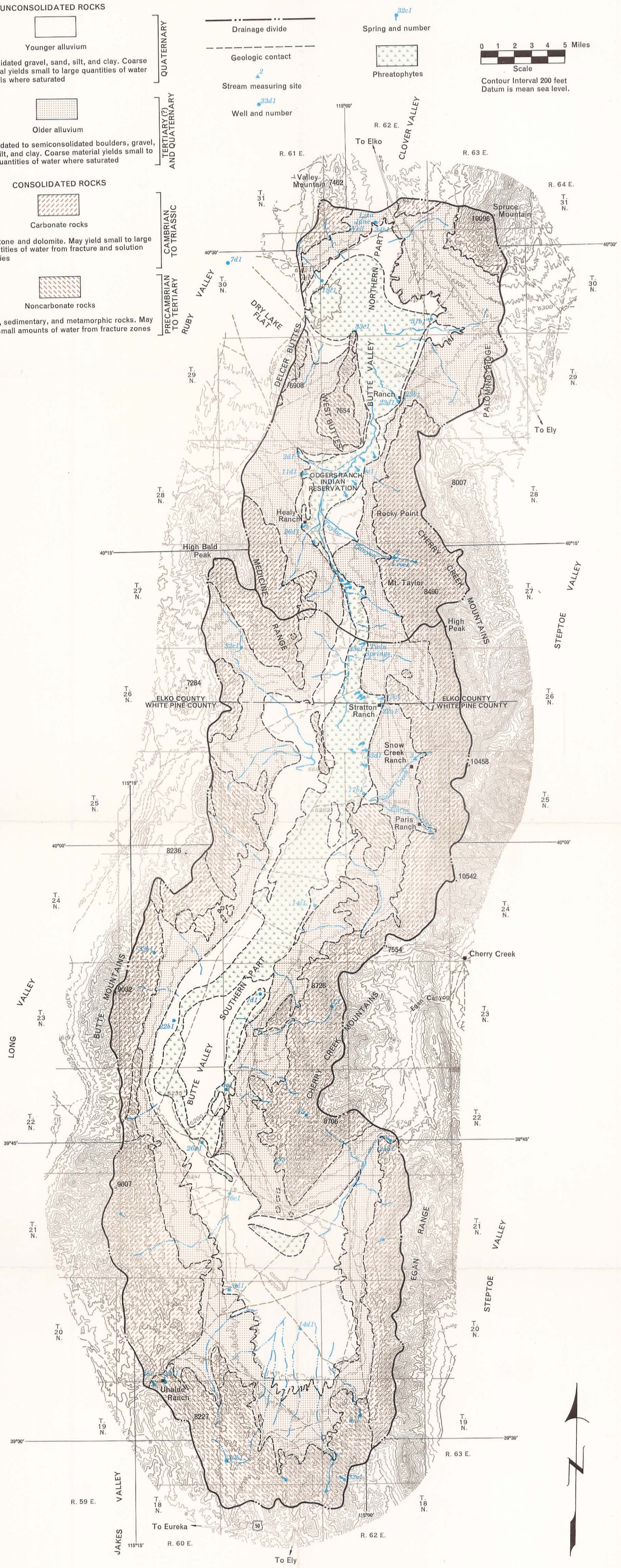
Well and number

Spring and number

Phreatophytes

0 1 2 3 4 5 Miles
Scale

Contour Interval 200 feet
Datum is mean sea level.



Base From Army Map Service 1:250,000 Scale
Series: Elko (1955) and Ely (1956)

Hydrology by Patrick A. Glancy 1968. Geology partly synthesized and modified from Harlow (1956), Fritz (1960), and Tagg and others (1964).

PLATE 1.—GENERALIZED HYDROGEOLOGIC MAP OF BUTTE VALLEY, ELKO AND WHITE PINE COUNTIES, NEVADA