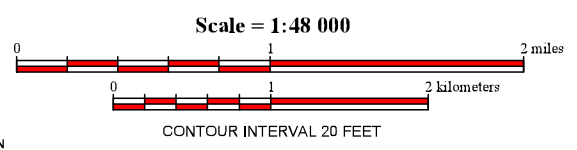
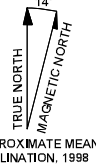


5,000-ft grid ticks based on the Nevada State Plane Coordinate System, Central Zone, 1927 North American datum.



DESCRIPTION OF MAP UNITS

QUATERNARY SURFICIAL DEPOSITS

- Qac - alluvium and colluvium
- Qc - colluvium

MIOCENE VOLCANIC ROCKS

- pr - RHYOLITE OF PINNACLES RIDGE
Rhyolitic lava flows and ash-flow tuff of a flow-dome complex.

Timber Mountain Group

- mr - RAINIER MESA TUFF, nonwelded
Light-gray to pinkish-gray, partly to moderately welded, devitrified, massive, quartz-rich ash-flow tuff.

Paintbrush Group

RHYOLITE OF COMB PEAK

- kl - lava flow
Light gray to pinkish-gray, devitrified, flow-banded rhyolitic lava flow.
- kt - ash-flow tuff
Light gray to pink to brownish-gray, nonwelded to moderately welded, devitrified, pumiceous and lithic-rich ash-flow tuff.
- vp - RHYOLITE OF VENT PASS
Rhyolitic lava flows and ash-flow tuffs. Lava flows are medium gray to dark grayish-brown rhyolite. Flows are flow banded and locally vitric. Ash-flow tuffs are light greenish gray to dark purplish brown, nonwelded, massive, and locally bedded.

TIVA CANYON TUFF

- cu - undivided
- cr - crystal-rich member
Pale brown to brownish-black to pinkish-gray, partly to densely welded tuff of quartz latitic composition. Unit contains 10-15 percent phenocrysts of sanidine, plagioclase, and biotite, and 5-30 percent light-gray to black pumice.
- cp - crystal-poor member
Gray to pale-red, densely welded, devitrified, rhyolitic ash-flow tuff. Contains 3-4 percent phenocrysts of sanidine, plagioclase and as much as 5 percent pumice.
- cpv - vitric zone of crystal-poor member
Light orangish-brown to gray, partly welded, vitric rhyolitic tuff containing 3-5 percent phenocrysts of sanidine, plagioclase, and traces of hornblende, and 2-15 percent pumice clasts.
- ym - YUCCA MOUNTAIN TUFF
Nonwelded to densely welded pyroclastic-flow deposit. Unit is characteristically aphyric and is vitric to devitrified and variably altered. Upper part is dark-gray, moderately welded to nonwelded; middle part is gray to pinkish-gray, densely welded and devitrified; and lower part is vitric, brownish-gray, nonwelded ash flow tuff.
- bg - RHYOLITE OF BLACK GLASS CANYON
Medium gray to purplish-gray flow-banded rhyolite lava flow and tan to brownish-gray nonwelded to partly welded, devitrified massive ash-flow tuff.

- bt3 - NONWELDED BEDDED TUFF 3
White to light brown to light gray pumiceous, vitric, nonwelded pyroclastic flow deposits.
- dc - RHYOLITE OF DELIRIUM CANYON
Light gray to light pinkish-gray to light brown vitric to devitrified, flow-banded rhyolite lava flow with light gray to tan ash-flow tuff. Tuffaceous parts are nonwelded to partly welded, partly vitric to devitrified, and massive to poorly bedded.
- pp - PAH CANYON TUFF
Pyroclastic flow deposit with abundant large pumice clasts. Upper part is pink to lavender, nonwelded, vitric to devitrified, middle part is light-gray to brown, densely welded; lower part is light purple-gray, partly to nonwelded, and vitric.
- bt2 - NONWELDED BEDDED TUFF 2
White to light gray, pale-orange to reddish-brown, nonwelded, vitric to devitrified to altered, massive to crudely stratified fallout tephra and ash-flow tuff. Unit contains 15-85 percent pumice clasts.
- tu - undivided
- tr - crystal-rich member, undivided
Includes vitric zone and nonlithophysal zone. Vitric zone is dark reddish-brown to dark red, nonwelded to densely welded, vitric to devitrified quartz latite ash-flow tuff.
- trn - crystal-rich, nonlithophysal zone
Dark reddish-brown to dark brown, pumice-bearing, densely welded tuff. Groundmass contains 10-15 percent phenocrysts of sanidine, plagioclase, and biotite. Pumice content ranges from 10 to 25 percent.
- tp - crystal-poor member, undivided
Light gray to pale red to purple, moderately to densely welded, devitrified rhyolitic ash-flow tuff. Unit contains 1-5 percent phenocrysts of sanidine and plagioclase.
- CALICO HILLS FORMATION
 - act - ash-flow tuff
Pale orange and grayish-yellow, nonwelded ash-flow tuff, fallout tephra, and reworked tuff. Contains 1-12 percent phenocrysts of quartz, sanidine, plagioclase, biotite, and hornblende, and 10-40 percent pumice clasts.
 - acl - rhyolite lava flow
Light to dark gray to pale purple, flow-banded rhyolitic lava. Locally brecciated, silicified, and spherulitic. Commonly altered and zeolitized.

CONTACTS AND FAULTS

- Contact, exposed or location well-constrained.
- - - - - Contact, approximately located.
- Fault, exposed or location well-constrained.
- - - - - Fault, approximately located
- Fault, concealed beneath Quaternary cover or poorly exposed.

Data from Bedrock Geologic Map of Yucca Mountain Area, Nye County, Nevada, U.S.G.S. Geological Investigations Series I-2927, by Warren C. Day, Robert P. Dickerson, Christopher J. Potter, Donald S. Sweetkind, Carma A. San Juan, Ronald M. Drake II, and Christopher J. Fridrich.

BEDROCK GEOLOGIC MAP OF THE NORTHERN MIDWAY VALLEY AREA, NYE COUNTY, NEVADA

