

EXPLANATION

AGE  
(m.y.)

QUATERNARY

QTac

Alluvium and colluvium  
UNCONFORMITY

Tfpf Tfpp

Rhyolite of Pinnacles Ridge  
Tfpf, lava flows; Tfpp, pyroclastic rocks

Tfcf Tfcp

Rhyolite of Combs Peak  
Tfcf, lava flows; Tfcp, pyroclastic rocks

Tfyf Tfvp

Rhyolite of Vent Pass  
Tfyf, lava flows; Tfvp, pyroclastic rocks

Tfbf Tfbp

Rhyolite of Black Glass Canyon  
Tfbf, lava flows; Tfbp, pyroclastic rocks

Tbd

Basalt dikes of Yucca  
Mountain

10

UNCONFORMITY

Tmrw Tmrn

Rainier Mesa Member  
Tmrw, welded tuffs; Tmrn, nonwelded tuffs

11.5

bt

Bedded tuff

Twf Twp

Rhyolite of Windy Wash  
Twf, lava flows; Twp, pyroclastic rocks

UNCONFORMITY

ccr

cap rock

cuc

upper cliff

cul

upper lithophysal

cuks

upper clinkstone

cmi

middle lithophysal

clks

lower clinkstone

cks

clinkstone

clc

lower cliff

cgks

gray clinkstone

crks

red clinkstone

13

cli

lower lithophysal

ch

hackly

chl

hackly lithophysal

cc

columnar

bt

Bedded tuff

ymu

ymm

yml

ym

undifferentiated

ymu, upper; ymm, middle; yml, lower

rz

Rhyolite flow

bt

Bedded tuff

pcu

pcm

pcl

pc

undifferentiated

pcu, upper; pcm, middle; pcl, lower

bt

Bedded tuff

tc

caprock

tr

rounded

ttl

thin lithophysal

Northwestern Central Southeastern

tu

upper lithophysal

trl

red lithophysal

tl

lithophysal

tbl

orange brick lithophysal

tob

orange brick

tob

brownish-orange brick

tbl

purplish-brown lithophysal

trbb

reddish-brown brick

tbl

brownish orange lithophysal

13.5

tm

mottled

tv

vitrophyre

tpw

partially welded

UNCONFORMITY

Tha Thf Tht

Tuffaceous beds of Calico Hills  
Tha, autobrecciated lava flows; Thf, lava flows; Tht, ash-flow tuffs

UNCONFORMITY

Tcpu Tcpp Tcpc

Tcpu, undifferentiated; Tcpp, partially welded; Tcpc, moderately welded

bt

Bedded tuff

Tcb

Bullfrog Member

14

TIMBER  
MOUNTAIN  
TUFF  
RAINIER  
MESA  
MEMBER

TIVA CANYON MEMBER

YUCCA  
MOUNTAIN  
MEMBER

PAH  
CANYON  
MEMBER

MEMBER  
SPRING

TOPOPAH

PAINTBRUSH TUFF

CRATER FLAT TUFF

MIOCENE

TERTIARY