

LAND SURFACE

100'

200'

300'

400'

500'

600'

700'

800'

900'

1000'

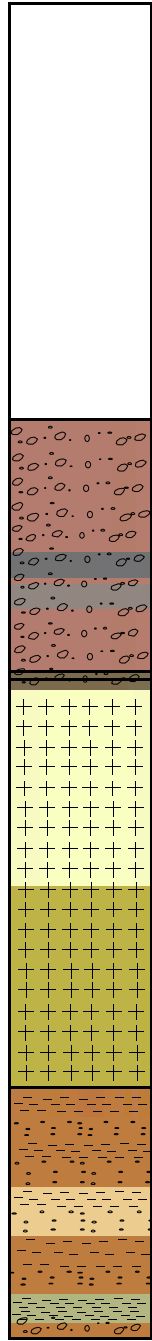
1100'

1200'

1300'

1400'

T.D. 1447.95'



- 0- 39.5'** Drilled with Auger Rig. No samples taken. See Summary Lithologic Log for NC-EWDP-19P.
- 39.5'- 355'** Drilled with Cabot Reverse Mud Rig. No samples taken. See Summary Lithologic Log for NC-EWDP-19P.
- 355'- 1438.3'** Pilot hole-6 1/4" drilled using air reverse/dual wall drill pipe method. See Summary Lithologic Log for NC-EWDP-19D.
- 500'- 823'** GRAVEL & SAND: containing clasts of three predominant rock types. Clasts are: reddish brown rhyolite (10R 5/4) up to 80%; gray to brownish gray rhyolite (N5 to 5YR 6/1,2) to 90%; yellow brownish gray rhyolite (10R 8/2,6) to 25%. Other volcanic clasts type up to 25% locally. Largest clast size varies from 3/8" to 1 1/4" but bit action decreases grain size. Silty matrix noted: 515'-570'; 575'-580'; 680'-685'.
- 800'- 805'** GRAVEL & SAND: interbedded with consolidated clayey sandstone.
- 805'- 823'** GRAVEL & COARSE SAND:
- 823' - 1260'** ASH FLOW TUFF: non-welded, pale greenish yellow (10Y 8/2) to dusky yellow (5Y 6/4). Aphyric to 2%, 1mm quartz phenocrysts, local lithic fragments to 1 cm, generally < 2%. Contains up to 5% light colored "tube" pumice to 1 cm. Unit appears to contain "beds" of reddish-brown gravel similar to 0-823', but may represent up-hole contamination. Sections of tuff are clayey either beds of clay-altered ash or pumice. Fracture zones beginning at ~900' are open and create "lost circulation zones".
- 1048'** unit sub-contact-color change overall unit is hard, devitrified and gritty ie: coarse ash, common MnOx coatings on fractures.
- 1260'- T.D.** INTERBEDDED SANDY CLAY & CLAYSTONE, SILTSTONE & SANDSTONE: units consists of ~70% sandy clays, yellowish brown (5YR 5/6), with moderate plasticity, locally greenish brown and greenish yellow to orange (down-hole). ~25% of unit consists of laminated claystones that are dry, generally grayish orange (10YR 7/4) to pale olive (10Y 6/2). Thinly bedded (<1mm). ~5% of unit consists of thin (2-5") beds of fine feldspathic sandstone, weakly bedded. Minor local beds of sandy gravel, cherty siltstone and siltstone, locally calcareous.

Nye County, Nevada	
Nuclear Waste Repository Project Office	
Early Warning Drilling Program	
NC-EWDP- 19D1	
Summary Lithologic Log	
Date: 04/00	Geologist: ISW
Not to scale	Drawn By: WJS