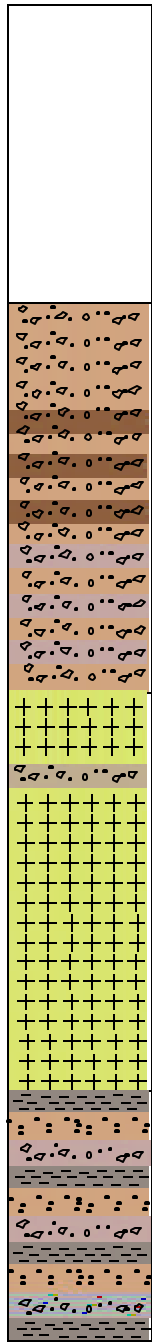


LAND SURFACE

100'
200'
300'
400'
500'
600'
700'
800'
900'
1000'
1100'
1200'
1300'
1400'
T.D. 1438.32'



- 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'- 825'** GRAVELLY SAND: Sand is well graded (fine-medium-coarse) and composes 65% of material. Gravel is fine grained, subrounded to subangular, mixed volcanic lithology, multi-colored ranging from pale brown, light brown, very pale orange and medium gray. Gravels constitute 35% of material. Gravel clasts are glassy, phenocryst rich and predominantly nonwelded. Visible phenocryst are: sanidine, feldspars and mafics. Minor silt is present (1-2%). No organics, no odor, no staining. Some Fe oxidation present. Predominantly light brown (5YR 6/4) to moderate brown (5YR 4/4) to pale red (10R 6/7).
- 520'** Gravel percentage increases to 40-45% and becomes coarser (~3/4").
- 625'** Material becomes more red.
- 825'-1245'** LITHIC ASH FLOW TUFF: groundmass is moderate greenish yellow (10YR 7/4) to grayish yellow (5YR 7/4) texture is massive and predominantly devitrified, contains 30% lithic content predominantly grayish red (5R 4/2) with lesser moderate orangepink (10R 7/4) and medium gray (N5) (uphole contamination). Largest diameter (long axis) in sample is 3/4". Groundmass contains 1-2% greenish yellow nonwelded vitric pumice. Material is fresh, unweathered, no vapor phase alteration. Lithics are angular to subangular.
- 911'- 921'** Thin interbed of gravelly sand. Pale yellowish brown (10YR 6/2) 95% fine-medium-coarse sand, 5% fine gravel (1/4"). Gravels composed of mixed volcanic lithology.
- 1245' - T.D.** INTERBEDDED SANDSTONE WITH GRAVEL-SILTSTONE-CLAYSTONE: Siltstone and claystone are finely laminated (<1mm), siltstone is light olive gray (5YR 6/1), claystone is light brownish gray (5YR 6/1). Sand is pale red (10R6/2) with well rounded grains, gravel is subround to subangular and composed of mixed volcanic lithology. Color of gravel is predominately grayish-red (10R 4/2) with lesser moderate orange pink (10R 7/4), medium gray (N5) and light greenish gray (5GY 8/1).

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