

NYE County NWRPO -Technical Data Report

| RID No. | Transmitter | Org. | Receiver | Org. | Key word1 | Title/Description |
|-------------------|-------------|---------------------------|----------------|-----------------|-----------|--|
| 6705 | Walker | Nye County NWRPO | QARC | Nye | 16P | Summary Lithologic Log for NC-EWDP-16P |
| Doc. Date | 8/1/2005 | General Doc. Type | QA Program Doc | Keyword2 | EWDP IV | |
| Entry Date | 9/13/2005 | Detailed Doc. Type | Summary | Keyword3 | Lith Log | |

**Data Originator
Preparer** Jamie Walker, Bob Wilcoxon, Edward Huskinson, Doug Davis

Title of Data Summary Lithologic Log for NC-EWDP-16P

**Description of
Data** Geologic summary of alluvium and non-alluvium described during drilling of borehole.

**Data Collection
Method** Summary of existing data.

Data Location(s) NC-EWDP-16P - Borehole drilled in Flat Tire Flat, southern Yucca Mountain.

**Data Collection
Period(s)** 12/13/02 to 1/19/03

Data Source(s) 1) Alluvium Logging Form (RID 6411); 2) Non-Alluvium Logging Form (RID 6411); 3) laboratory data that includes grain size distribution (sieve data), hydrometer data (silt/clay measurement) (RID 5475); and 4) geophysical log data (primarily as verification of contacts) (RIDs 5482 and 5485).

Data Censoring None

Data Processing Observed grain size distribution for alluvium from lab data and assigned USCS designations and contacts. Summarized description of alluvial units including: interlayering, thickness of layers, color, lithology, moisture, grading, gravel/sand shape, sediment cementation, and sediment reaction to 10% HCl acid. Summarized description of non-alluvial units including: color; welding of volcanic rocks; alteration and devitrification (volcanic units); weathering (if present); structure (if observed); matrix porosity (volcanic units); pumice clast color, content and size, lithic clast color, content and size, phenocryst color, content and size; HCl reaction (if other than none), contact relationships and probable formation or unit name. Graphic log added to description using WellCAD® software.

Data Limitations See metadata and data limitations for Data Sources listed above.

**Governing
QA Docs.** TP-8.0 Rev. 4

**Frequency
of
Transmittal** Once per borehole

**Direct Questions
About Data
To-** Nye County QA Records Center