

# NYE County NWRPO -Technical Data Report

RID No.	Transmitter	Org.	Receiver	Org.	Key word1	Title/Description
6708	Walker	Nye County NWRPO	QARC	Nye	27P	Summary Lithologic Log for NC-EWDP-27P
<b>Doc. Date</b>	8/1/2005	<b>General Doc. Type</b>	QA Program Doc	<b>Keyword2</b>	EWDP IV	
<b>Entry Date</b>	9/13/2005	<b>Detailed Doc. Type</b>	Summary	<b>Keyword3</b>	Lith Log	

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

**Title of Data** Summary Lithologic Log for NC-EWDP-27P

**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-27P - Borehole drilled in Flat Tire Flat, southern Yucca Mountain.

**Data Collection  
Period(s)** 11/22/02 to 12/7/02

**Data Source(s)** 1) Alluvium Logging Form (RID 6413); 2) Non-Alluvium Logging Form (RID 6413); 3) laboratory data that includes grain size distribution (sieve data), hydrometer data (silt/clay measurement) (RID 5476); and 4) geophysical log data (primarily as verification of contacts) (RID 5536).

**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