



# NYE County NWRPO -Technical Data Report

RID No.	Transmitter	Org.	Receiver	Org.	Key word1	Title/Description
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collector during dry drilling. Major sample disturbance resulting from a sample handling factor present in several other boreholes (NC-EWDP-10P, -22PA, and 22PB) was not a factor in this borehole. This was the loss of some of the fine fraction (and relative increase of the coarse fraction) when attempting to homogenize saturated zone samples containing too much water. In addition, minor disturbance may have been introduced into samples by: 1) gravel accumulating on the rotating splitter during wet drilling; 2) unsaturated zone sample homogenization process and sample splitting; 3) loss of fines during pumping and siphoning of clear water from wet bucket samples; and 4) a very minor introduction of wind-blown fines during sample drying.

The Alluvium Logging Form includes preliminary field estimates of grain size distribution for the approximately 825 ft of alluvium penetrated. The estimates are made on every 2.5 and 5 ft sample interval and used for preliminary layering information and general planning of wells and screen intervals prior to receipt of laboratory data. These field estimates of grain size distribution should not be considered representative of the geologic samples. However, grain size distribution data determined by laboratory analysis on every second 2.5 ft sample and every 5 ft sample interval are considered representative of the geologic samples. A comparison of preliminary field estimates with laboratory measurements of grain size distributions of alluvium geologic samples indicates significant error in field estimates. Therefore, Particle Size Distribution data and USCS Group Name are censored.

The following data omissions from log columns are listed with the following commentary or reasons:

SAMPLE WEIGHTS: 392.5-900' due to excessive water.

SAMPLE RECOVERY: 825-900' per NWRPO direction in non-alluvium.

FINES & PLASTICITY: 375-380' due to excessive bentonite contamination.

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**Governing QA Docs.** TP-8.0, Field Logging and Handling of Borehole Samples, Revision 2, 06/01/01, Section 5.5

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**Frequency of Transmittal** once per borehole

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**Direct Questions About Data To-** NWRPO QA Records Center