

NYE County NWRPO -Technical Data Report

RID No.	Transmitter	Org.	Receiver	Org.	Key word1	Title/Description
6400	Gilmore	NWRPO	QARC	Nye	19PB,	Major Ion and Metals analyses for EWDP groundwater samples collected in May 2004.
Doc. Date	10/11/2004	General Doc. Type	Report	Keyword2	groundwater	
Entry Date	10/11/2004	Detailed Doc. Type	Data	Keyword3	analyses	
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Data Originator	Mary Miller					
Preparer						
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Title of Data	Major Ion and Metals analyses for EWDP groundwater samples collected in May 2004					
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Description of Data	Water geochemistry data from water samples obtained 5/10/04 -5/12/04 during EWDP sampling events. Major Ion and Metals analyses conducted by Desert Research Institute (DRI) are included for samples collected May 2004 at the following EWDP wells: NC-EWDP-19PB and -Washburn-1X. Filename: "DRI-May04.xls". Data package includes QA analyses reports.					
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Data Collection Method	Groundwater was pumped to the ground surface with a Bennett pump (piston pump operated with compressed air) from well NC-EWDP-19PB and with a small diameter bladder pump from well NC-EWDP-Washburn-1X. The wells were purged and samples collected, processed, bottled, and shipped to the testing laboratory following standard methods documented in Nye County QA technical procedure TP-8.1 revision 2 and test plan TPN 11.1.					
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Data Location(s)	NC-EWDP-19PB and Washburn-1X.					
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Data Collection Period(s)	May 2004					
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Data Source(s)	Desert Research Institute, Division of Hydrogeologic Sciences, Reno, NV. Refer to RIDs 6239 for field chemistry parameters and SNBs 145 (RID 6256) & 155 for field notes.					
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Data Censoring	None					
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Data Processing	Analyses was performed by DRI and transmitted to NWRPO in excel spreadsheets. Data was evaluated by NWRPO personnel for meeting quality assurance objectives according to technical procedure TP-8.1 Rev 2.					
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Data Limitations	With several exceptions, analytical results for all chemical parameters of concern in all laboratory QC samples (method blanks, laboratory control spikes, laboratory control spike duplicates, matrix spikes, and matrix spike duplicates) met standard QC specifications. The exceptions are as follows for matrix spike QC analyses where the recovery limits were not met: - NC-EWDP-19PB Deep (GWS0077) Iodine and Cerium [%recovery >125] - NC-EWDP-Washburn-1X (GWS0045) Beryllium, Strontium, Antimony and Arsenic [%recovery > 125] - NC-EWDP- Washburn-1X (GWS0045) Cooper [%recovery < 75 and RPD > 30%] Relative percent difference values (RPDs) between the blind field duplicate samples (field QA sample) and the original samples obtained during this sampling phase are generally less than 30% (an acceptable value) for most analytes with one exception as follows: - NC-EWDP-19PB Shallow (GWS0076 and GWS0080) Aluminum [RPD = 44%] Higher RPD values found for a number of analytes present at low concentrations (e.g. trace metals) were not unexpected and do not necessarily indicate field or laboratory error.					

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Governing QA Docs.	TP-8.1 Rev. 2					
Frequency of Transmittal	As required by PI					
Direct Questions About Data To-	Nye County QA Records Center					