

NYE County NWRPO -Technical Data Report

RID No.	Transmitter	Org.	Receiver	Org.	Key word1	Title/Description
6361	Buqo	T. S. Buqo,	QARC	Nye	Private	Manual Water Level Measurements in Private Wells Through June 2004

1
Doc. Date 8/31/2004 **General Doc. Type** QA Program Doc **Keyword2** MWL
Entry Date 9/20/2004 **Detailed Doc. Type** Data **Keyword3** data

Data Originator Preparer Thomas S. Buqo, Bob Wilcoxon

Title of Data Manual Water Level Measurements in Private Wells through June 2004

Description of Data Data package includes Nye County's Regional Groundwater Elevation Database (RGED V. 3.9.mdb) containing manual water level measurements made in private wells (non-EWDP) through June 2004, field forms, hydrographs, and exported data from database: "Export Pahrump QA Data 0904.xls" and "Export Amargosa QA Data 0904.xls".

Data Collection Method NWRPO calibrated electric water level sounders in accordance with Work Plan 10 Rev. 0, Groundwater Level Monitoring and Evaluation, dated 8/20/03.

Data Location(s) Various locations in Pahrump Valley, Amargosa Desert, Chicago Valley, and Stewart Valley. Specific locations for each well are included in RGED V. 3.9.mdb and in RID 5281.

Data Collection Period(s) 12/99 to 6/04

Data Source(s) 1) NWRPO derived latitude and longitude for well location and elevation data for ground elevation ; 2) Depth to groundwater measured with electric water level sounders as recorded on the NWRPO Water Level Measurement Field Form TP-9.9-1 Rev 0 since 9/4/03; and 3) Wellhead diagrams as established with engineers steel tape and and recorded in Scientific Notebook for each private well, showing casing type, diameter, and measuring point stickup above land surface.
 Other supporting data includes RID 5281 and individual GPS Rover files created during surveys (RID 6398).

Data Censoring No data included with this submittal were censored.

Data Processing Data processing is limited to calculations made in the Access database (RGED V.3.9.mdb) and exports made from the database to MS Excel.

Data Limitations The water-level elevations presented must be considered approximate because of the potential error in the GPS-based elevation of the land surface at the well site. The potential corrected elevation error is listed in RID 5281 and ranges from 0.7 to 3.0 meters (2.3 to 9.8 feet). The potential error in the GPS-based elevations does not affect the depth to water nor the absolute change in water levels over time that may be calculated using the elevation datum for land surface. The potential error may, however, result in limitations in the use of these data for the calculation of hydraulic gradients between wells with the error induced in such calculations being inversely proportional to the distance between the two wells being used to perform the calculation.

Governing QA Docs. WP-10 Rev. 0, TP-9.9 Rev. 3

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Frequency of Transmittal Biannually or more frequently as determined by the Principal Investigator and approved by the On-Site Geotechnical Representative.

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Direct Questions About Data To- Nye County QA Records Center