

# NYE County NWRPO -Technical Data Report

RID No.	Transmitter	Org.	Receiver	Org.	Key word1	Title/Description
7222	Buqo	T.S. Buqo, Consulting	QARC	Nye	Private	Manual Water Level Measurements in Private Wells through March 2007
<b>Doc. Date</b>	4/20/2007	<b>General Doc. Type</b>	QA Program Doc	<b>Keyword2</b>	MWL	
<b>Entry Date</b>	5/8/2007	<b>Detailed Doc. Type</b>	Data Packet	<b>Keyword3</b>	Data	

**Data Originator Preparer** T. S. Buqo, Bob Wilcoxon

**Title of Data** Manual Water Level Measurements in Private Wells through March 2007

**Description of Data** Data package includes Nye County's Regional Groundwater Elevation Database (RGED V. 4.0.mdb) containing manual water level measurements made in private wells (non-EWDP) through March 2007, field forms, hydrographs, and exported data from database: "Export Pahrump QA Data 0307.xls" and "Export Amargosa QA Data 0307.xls". This data supplements the previous data package (RID 7045) which included measurements through February 2006

**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, Death Valley, and Stewart Valley. Specific locations for each well are included in RGED V. 4.0 and in RIDS 5281 and 6630.

**Data Collection Period(s)** February 2006 to April 2007

**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; 3) Wellhead diagrams, as established with engineers steel tape and recorded in Scientific Notebook for each private well, showing casing type, diameter, and measuring point stickup above land surface.

Supporting Data: RID 5281; individual GPS Rover files created during surveys (RID 6398); and water levels through February 2006 (RID 7045)

**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.4.0 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

**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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