

# Technical Data Information Report

RID Number	Transmitter	Transmitter Organization	Receiver	Receiver Organization	Keyword 1
7629.01	Klenke	Nye County NWRPO	QARC	Nye County NWRPO	Water Levels

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Entry Date 8/16/2011 Detail Document Type Data Keyword 3 Private Wells

Document Title/Subject Manual Water Level Measurements in Private Wells through November 2008. (Supersedes RID 7629)

Data Originator/Preparer John Klenke

**Data Description** This RID (7629.01) supersedes RID 7629 in order to update the location, measurement point (MP) elevation, and casing stickup for "DV Junction Well". Data package includes Nye County's Regional Groundwater Elevation Database (RGED V.4.0\_81111.mdb) containing manual water level measurements made in private wells (non-EWDP) through November 2008, field forms, hydrographs (available upon request), and exported data from the database, "Export Pahump Data 113008.xlsx" and "Export Amargosa Data 113008.xlsx". The export files have been compressed and posted to the NWRPO website as rid7629\_01.zip. The Data Limitations and Data Limitations Metadata Attachment are posted to the NWRPO website as meta7629\_01\_Attach1.pdf and meta7629\_01\_Attach2.pdf.

Data in RID 7629 superseded all previous private manual water level measurement data through 9/30/2007 (RIDs 6361, 6630, 7045, 7222, and 7422) in order to add data limitations and data censoring. This dataset supersedes RID 7629 and also adds new data from 10/01/2007 through 11/30/2008. Field forms for water level data before 3/1/2006 can be found in the superseded RIDs listed above.

**Data Collection Method** Manual water level measurement data collected using calibrated electric water level sounders in accordance with Work Plan 10 Rev. 0, Groundwater Level Monitoring and Evaluation.

**Data Collection Location** Various locations in Pahump Valley, Amargosa Desert, Chicago Valley, Death Valley, and Stewart Valley. Specific locations for each well are included in RGED V.4.0\_081111.mdb and in RIDs 5281 and 6398.

**Data Collection Period** 12/1999 - 11/2008

**Data Sources** 1) NWRPO derived latitude and longitude for well location on elevation data for ground elevation; 2) Depth to groundwater measured with electric water level sounders are recorded on the NWRPO Water Level Measurement Filed Form of field scientific notebook; 3) Wellhead diagrams as established with engineers steel tape and recorded in scientific notebook showing casing type, diameter, and measuring point stick up above land surface. Supporting Data: NWRPO Water Level Measurement Field Forms (TP-9.9 Rev. 1 - Rev. 3), Field scientific notebooks, and RIDs 5281, 6398, and 7792 containing updated GPS coordinates.

**Data Censoring** The following censored data were found during a quality assurance review in 2010, and are also detailed in RID 7629 metadata:  
AW10 – Measurements of 74.32 ft on 12/22/99 and 73.00 ft on 2/22/01 were censored. These two measurements are believed to have been taken at a different well located nearby.

Doloris – Measurements of 84.46 ft on 2/4/00 and 83.00 ft on 3/15/01 were censored. These two measurements are believed to have been taken at a different well located nearby.

Franklin Dry Well – Measurement of 19.33 ft on 8/17/07 at 11:19 hrs was censored. This measurement was found to be a singularity, and not substantiated by later measurements or backup data.

Hwy127 MM21 #1 – An incorrect measurement of 88.58 ft on 9/12/06 at 13:28 hrs was censored. The correct measurement of 87.58 ft for 9/12/06, as recorded on the field form, has been entered into the database.

Longstreet #1 – Measurements of 35.78 ft on 2/4/00 and 38.54 ft on 3/22/01 were censored. These two measurements are believed to have been taken at a different well located nearby.

Longstreet #2 – Measurements of 33.99 ft on 2/4/00 and 36.75 ft on 3/22/01 were censored. These two measurements are believed to have been taken at a different well located nearby.

Sec 10 — Measurement of 181.45 ft on 2/20/08 at 16:03 hrs was censored. This measurement was found to be a singularity, and not substantiated by later measurements or backup data.

Squaw Valley Well – An incorrect erroneous entry of 57.24 ft on 3/5/07 at 11:57 hrs was censored. The correct entry of 60.67 ft on 3/5/07 at 11:51, as a separate entry in the database, was verified by the field form.

#### Data Processing

Routinely, data processing consists of calculations made in the Access database (RGED V.4.0.mdb) and exports made from the database to MS Excel. Additionally, data are evaluated through the use of hydrographs to determine whether anomalous data exist. Anomalous data are investigated (through scientific notebooks, earthquake records, etc.) to determine the source of the anomaly. If the anomaly cannot be explained, the data are censored.

A quality assurance in-depth review was conducted in 2010 to insure the integrity of the Regional Groundwater Elevation Database. Data was compared against original field forms and entries in field scientific notebooks from the beginning of the program through the time period of this submittal. Clerical errors not affecting the integrity of the data were corrected. Corrections made to the database affecting data integrity are listed in Data Censoring and Data Limitations. The data censored in previous submittals (prior to 3/01/06) were not reevaluated.

#### Data Limitations

See attachment: RID 7629.01 Data Limitations Attachment 1. Data limitations included in the attachment reflect results from the 2010 quality assurance review and are also detailed in RID 7629 metadata.

#### Governing QA Docs:

WP-10, Rev. 0, TP-9.9, Rev. 4

#### Frequency of Transmittal

Biannually or as required by PI and approved by Geoscience Manager

#### Direct Questions About Data To:

NWRPO QA Records Center