

# NYE County NWRPO -Technical Data Report

RID No.	Transmitter	Org.	Receiver	Org.	Key word1	Title/Description
2997	Downing	NYE	Qarc	NYE	EWDP I	Ewdp I Water Level And Temperature Data From Westbay Instrumented Wells, 5/6/99 To 10/18/99
Doc. Date	7/11/2000	General Doc. Type	QA PROGRAM DOC	Keyword2	H2O	
Entry Date	7/28/2000	Detailed Doc. Type	DATA	Keyword3	TEMP	

Data Originator Preparer	Parviz Montazer
Title of Data	EWDP Phase I Water Elevation and Temperature data from Westbay instrumented wells, 5/6/99 to 10/18/99
Description of Data	This data supersedes RID 1443 and RID 1444. Previously, data were presented as raw pressure and temperature files. These data have been processed into water elevation levels and temperature data in an Excel format. One zip disk containing water elevation and temperature data from Phase I EWDP Westbay instrumented wells, 5/6/99 thru 10/18/99
Data Collection Method	Westbay Mosdax pressure and temperature probes
Data Location(s)	EWDP-1S, EWDP-1DX, EWDP-3S, EWDP-9SX
Data Collection Period(s)	05/06/99 thru 10/18/99
Data Source(s)	EWDP Westbay-instrumented wells
Data Censuring	none
Data Processing	refer to NWRPO Technical Procedure TP-9.2
Data Limitations	EWDP Phase I Westbay data limitations (data collection period 5/6/99 to 10/18/99)

The following text contains additional information necessary for interpretation of the attached EWDP water elevation and temperature data. Listed are the well ID numbers and the activities and particular environments associated with each well. Time frames are listed for each activity. Certain activities, such as equipment testing or water sampling, may have impacted the data and the data analyzer should be aware of this.

EWDP-1S

There are two downhole Westbay monitoring probes at this well. Probe 1 is located at 167.6 ft. below ground surface and probe 2 is located at 228.2 ft. below ground surface. Each probe is located in a separate packed off zone.

05/06/99 Began datalogging at this well location. Equipment problem with probe 2, had to replace part, consequently, do not have data for this probe until 05/11/99.

05/17/99 - 05/18/99 Data gap due to water sampling conducted at well over this two day period. During sampling period each zone was pumped for several hours (at approximately 2 gpm) prior to sampling

06/16/99 Approximate two hour data gap in the AM due to the connection of the datalogger at this well to the probe downhole at EWDP-1DX (now using one datalogger to log at both 1S and 1DX by utilizing a Westbay splitter device)

06/30/99 At 0700 the datalogger at the well was shutdown and borrowed for an NWTRB exhibit in Beatty. Datalogger was returned and datalogging was continued on 07/01/99 at 1032.

# NYE County NWRPO -Technical Data Report

RID No.	Transmitter	Org.	Receiver	Org.	Key word1	Title/Description
---------	-------------	------	----------	------	-----------	-------------------

08/27/99 Equipment test at probe 2 location at 1034.

09/23/99 Equipment test at probe 2 location at 0927, subsequent data gap.

EWDP-1DX

This well location has not been completed with a Westbay instrument assembly. Instead, three piezometers have been inserted downhole (shallow, intermediate and deep). A single Westbay monitoring probe is hanging in the deep string at approx. 200 ft. below the top of the 2-3/8" steel casing. The deep piezometric string is perforated from approximately 2160 ft. to 2240 ft. from the top of the casing (TOC). The bottom of this piezometer is at approximately 2294.7 ft. below TOC.

06/16/99 Before lowering the Westbay probe downhole for the first time, a manual water level measurement was taken at the deep string. Manual water level was 179.17 ft. TOC.

06/18/99 The probe cable was adjusted so as to attach end of cable to TOC with a clamp. Consequently the probe elevation changed from 200 ft. below the top of the casing to 199.45 ft. below the top of the casing

06/30/99 At 0700 the datalogger at the well was shutdown and removed to be used during an NWTRB exhibit in Beatty. Datalogger was returned and datalogging was continued on 07/01/99 at 1032.

07/02/99 A data gap exists on this date due to a temperature log profile that was conducted at EWDP-1DX on this date.

08/27/99 Datalogger was stopped for a brief period to test equipment beginning at 1034 hours and ending at 1042 hours.

09/23/99 Equipment was tested, therefore there is a data gap on this date.

EWDP-3S

There are three downhole Westbay monitoring probes at this well location. Probe 1 is located at 258.5 ft. below ground surface, probe 2 is at 398.2 ft. below ground surface and probe 3 is at 488.3 ft. below ground surface. Each probe is located in a separate packed off zone.

05/06/99 Began datalogging at this well location, equipment problem with probe 2, no data from this probe location until 06/18/99.

05/19/99 to 05/21/99 Water sampling conducted at this well location during this time period. Pumped zones for several hours before sampling, subsequent data gap.

05/21/99 Data at probe 1 location not valid through 06/19/99 due to pumping port at this zone not being closed properly after May water sampling event. After 06/19/99 water level in Westbay well casing fell below monitoring port at the probe 1 location. Thus, probe 1 was then measuring barometric readings in the formation at this zone. Barometric readings at this zone should be valid, although the pumping port at this zone is still open. (pumping port is located below the probe measurement port, pumping port remains below the water level in casing and measurement port where the probe is located is above the water level in the casing)

06/29/99 Probe 1 equipment test.

07/14/99 Tested probe 1 again, water level rose briefly above probe, dropped back down after a few days and again began measuring barometric only

# NYE County NWRPO -Technical Data Report

RID No.	Transmitter	Org.	Receiver	Org.	Key word1	Title/Description
---------	-------------	------	----------	------	-----------	-------------------

beginning on 07/17/99.

10/5/99 to 10/7/99 Testing conducted by Westbay at this borehole during this period. Closed pumping port at probe 1 location.

EWDP-9SX

This well has four Westbay probes installed downhole. Probe 1 is located at 103.8 ft. below ground surface, probe 2 is located at 148.7 ft. below ground surface, probe 3 is at 267.5 ft. below ground surface and probe 4 is at 332.2 ft. below ground surface. Each probe is located in a separate packed off zone.

05/13/99 Began collecting data at this well location.

05/19/99 to 05/21/99 Water sampling conducted at this location. Subsequent data gap.

05/24/99 to 07/16/99 No data at this location. Problem with cables and equipment setup.

General Notes

Probe 0 is the atmospheric probe located inside each Westbay datalogger at ground surface at each well location.

-----  
Governing  
QA Docs.

-----  
Frequency  
of  
Transmittal

-----  
Direct Questions  
About Data  
To-