

---

# 1-Explanation

---

## **General Information**

This file is part of a report titled *Hydrology and Water Resources of Spring, Cave, Dry Lake, and Delamar Valleys, Nevada and Vicinity* prepared in 2011 by Burns and Drici for the Southern Nevada Water Authority (SNWA), in support of water-right hearings related to SNWA applications 54003 through 54021, inclusive, in Spring Valley; and applications 53987 through 53992, inclusive, in Cave, Dry Lake, and Delamar valleys.

This file contains an inventory of the wells found in the Project Basins and vicinity. Brief descriptions of the purpose, approach, and contents of this file are provided here. The details may be found in the report listed above.

## **Purpose**

The purpose of the well inventory was to provide a database of well information including water level measurements to support the interpretation of groundwater occurrence and movement including flow directions in the Project Basins and vicinity. Water-level data were required in the calculation of horizontal hydraulic gradients across basin boundaries for which computations of flux estimates were needed.

## **Approach**

An inventory of the wells located in the Project Basins and vicinity was performed by compiling depth-to-water data from a variety of sources including published and unpublished reports, and from databases or spreadsheets maintained by different agencies (e.g., USGS, NDWR, Utah Geological Survey). The compiled data were evaluated to check for duplication of records, inconsistencies in a site's location, and inconsistencies in a site's data in comparison to data for other nearby sites. The compiled data were then reduced to a data set appropriate for analysis. The data reduction consisted of deriving water-level elevations from the depth-to-water data, identifying the well's effective open interval, the hydrogeologic unit in which the well is completed, and outlier water-level measurements. The resulting well inventory data set is contained in this file.

## **Content Description**

This PDF file contains four parts:

"1-Explanation"

This part of the file contains this explanation.

"2-Well Data"

This part of the file contains the well inventory data set. The data set is organized numerically by the HA column and then alphabetically by the Station Name column. The fields of the table are defined in "3-Data Dictionary".

"3-Data Dictionary"

This part of the file contains the list of columns found in the well inventory table, along with their respective definitions.

"4-References"

This part of the file contains a list of the references that were cited in the well inventory table.

---

## **2-Well Data**

---















Table with columns: Well Map ID, HA, Station Number, Station Name, UTM Northing, UTM Easting, Ref Pt Elevation, Site Type, Hole Depth, Well Depth, Effective Open Interval, Meas Count, First Meas, Last Meas, Date of Selected Meas, Selected DTW, Selected Elevation, Selected Observation, Selected Data Source, Plotting Value.











Table with columns: Well Map ID, HA, Station Number, Station Name, UTM Northing, UTM Easting, Ref Pt Elev, Site Type, Hole Depth, Well Depth, Effective Open Interval, Meas Count, First Meas, Last Meas, Date of Selected Meas, Selected DTW, Selected Elevation, Selected Observation, Selected Data Source, Plotting Value.



Well Map ID <sup>a</sup>	HA	Station Number	Station Name	UTM Northing <sup>c</sup> (ft amsl)	UTM Easting <sup>c</sup> (m)	Ref Pt Elev <sup>a,c</sup> (ft amsl)	Site Type	Hole Depth (ft bgs)	Well Depth (ft bgs)	Effective Open Interval (ft bgs)	Meas Count	First Meas	Last Meas	Date of Selected Meas	Selected DTW <sup>f</sup> (ft bgs)	Selected Elevation <sup>f</sup> (ft amsl)	Selected Observation	Selected Data Source	Plotting Value <sup>e</sup> (ft amsl)
207-207	207	207 N14 E60 04AB 1	207 N14 E60 04AB 1	4,329,699	652,991	6,802.8	Basin Fill	150	150	100-150	1	12/15/1969	12/15/1969	12/15/1969	1,179.00	6,682.8	---	NDWR WEB	6,683
207-208	207	207 N14 E60 23AD 1	207 N14 E60 23AD 1	4,326,405	656,650	6,573.1	Carbonate Oil or Gas Expl Well	8,125	150	---	1	2/1/1981	2/1/1981	2/1/1981	1,120.00	5,394.1	---	McKay and Kepper (1988)	5,394
207-209	207	207 N14 E61 09C 1	207 N14 E61 09C 1	4,329,123	662,144	6,802.8	Basin Fill	---	365	---	1	6/15/1938	6/15/1938	6/15/1938	350.00	5,954.1	---	Writer (1981)	5,954
207-210	207	390452115072401	207 N14 E61 09CDB1 USBLM	4,327,852	663,657	6,063.9	Basin Fill	---	350	---	20	8/22/1980	8/22/1980	8/22/1980	277.00	5,791.0	---	SNWA DTW Measurement Form	5,791
207-211	207	390235115060101	207 N14 E61 27C 1	4,323,264	664,333	5,954.0	Volcanic	585	318	190-318	4	6/24/1959	8/16/2005	8/16/2005	178.98	5,775.0	---	NWIS WEB	5,775
207-213	207	207 N16 E61 13AB 1 WCCG2	207 N16 E61 13AB 1 WCCG2	4,347,089	667,817	6,920.0	Carbonate Well	585	315	295-315	17	10/15/1992	12/15/1996	12/15/1996	289.99	6,630.0	---	Magma Nevada Mining Co	6,630
207-214	207	207 N16 E61 23CA 1	207 N16 E61 23CA 1	4,344,670	665,876	6,941.1	Basin Fill	1,100	1,020	970-1,010	1	9/15/1996	9/15/1996	9/15/1996	400.00	6,541.0	---	NDWR WEB	6,541
207-215	207	207 N16 E61 25CD 1	207 N16 E61 25CD 1	4,342,732	667,548	6,683.0	Volcanic	1,105	965	924-944	1	9/15/1995	9/15/1995	9/15/1995	850.00	5,833.0	---	NDWR WEB	5,833
207-216	207	207 N16 E61 25DB 1 WCCG1	207 N16 E61 25DB 1 WCCG1	4,343,332	667,894	6,677.4	Carbonate Well	---	---	---	17	10/15/1992	12/15/1996	12/15/1996	862.58	5,814.9	---	Magma Nevada Mining Co	5,815
207-217	207	207 N16 E62 20CB 1	207 N16 E62 20CB 1	4,344,798	670,383	6,864.2	Carbonate Well	505	485	435-475	1	9/15/1996	9/15/1996	9/15/1996	400.00	6,464.2	---	NDWR WEB	6,464
207-218	207	207 N16 E62 30CA 1 WCCG3	207 N16 E62 30CA 1 WCCG3	4,343,126	669,327	6,706.5	Carbonate Well	1,005	520	500-520	17	10/15/1992	12/15/1996	12/15/1996	230.91	6,475.6	---	Magma Nevada Mining Co	6,476
207-219	207	207 N16 E62 30CC 1	207 N16 E62 30CC 1	4,342,759	668,796	6,688.2	Basin Fill	806	797	756-776	1	9/15/1995	9/15/1995	9/15/1995	536.00	6,153.2	---	NDWR WEB	6,153
208-1	208	208 N01 E62 14DD 1	208 N01 E62 14DD 1	4,201,133	677,209	4,914.7	Basin Fill	1,042	1,042	800-1,042	1	9/15/1980	9/15/1980	9/15/1980	690.00	4,224.7	---	NDWR WEB	4,225
208-2	208	208 N02 E62 25AD 1	208 N02 E62 25AD 1	4,208,411	678,613	4,912.2	Basin Fill	503	500	303-503	1	9/15/1977	9/15/1977	9/15/1977	163.00	4,749.2	---	NDWR WEB	4,749
208-4	208	374218115031501	208 N03 E62 08C 1 USBLM	4,222,073	671,468	5,063.5	Basin Fill	---	---	---	1	5/1/1963	5/1/1963	5/1/1963	216.50	4,847.0	---	NWIS WEB	4,847
208-5	208	208 N03 E62 17AB 1	208 N03 E62 17AB 1	4,221,499	672,041	5,053.4	Basin Fill	510	350	150-350	1	3/15/1974	3/15/1974	3/15/1974	252.00	4,801.4	---	NDWR WEB	4,801
208-7	208	208 N03 E62 27 1	208 N03 E62 27 1	4,217,767	674,898	4,975.9	Basin Fill	357	357	320-357	1	8/15/1958	8/15/1958	8/15/1958	260.00	4,715.9	---	NDWR WEB	4,716
208-8	208	380550114593501	208 N03 E62 35BBB 1 USBLM	4,217,079	675,938	4,960.5	Basin Fill	---	315	---	23	5/8/1963	8/22/2010	8/22/2010	253.00	4,707.4	---	SNWA DTW Measurement Form	4,708
208-9	208	380450114594201	208 N03 E62 35BBB 2 Pahroc MX	4,217,063	675,866	4,973.3	Basin Fill	---	270	---	19	2/23/1988	8/22/2010	8/22/2010	271.19	4,708.1	---	SNWA DTW Measurement Form	4,708
208-10	208	381001115061301	208 N04 E61 27DDC1	4,226,007	666,058	5,073.5	Basin Fill	---	---	---	6	7/28/2004	8/22/2010	8/22/2010	18.15	5,055.4	---	SNWA DTW Measurement Form	5,055
208-13	208	208 N05 E63 34BCC 1	208 N05 E63 34BCC 1 Griswald Well	4,236,136	683,428	6,255.0	Volcanic	---	---	---	1	7/12/1998	7/12/1998	7/12/1998	4.20	6,250.8	---	SNWA Electronic Files	6,251
208-14	208	208 S01 E61 17 1	208 S01 E61 17 1	4,191,899	661,638	5,937.6	Volcanic	725	725	705-725	1	2/15/1966	2/15/1966	2/15/1966	668.00	5,269.6	---	NDWR WEB	5,270
208-16	208	208 S02 E61 08BB 1	208 S02 E61 08BB 1	4,184,551	661,171	4,770.5	Basin Fill	138	138	68-138	1	10/15/1981	10/15/1981	10/15/1981	41.00	4,729.5	---	NDWR WEB	4,730
208-17	208	374525115061801	208 S02 E61 23D 2	4,180,527	666,943	4,258.1	Basin Fill	---	480	50-480	14	3/10/1985	8/22/2010	8/22/2010	339.39	3,918.8	---	SNWA DTW Measurement Form	3,919
209-1	209	374058115113501	209 S03 E60 13DCA1	4,172,123	659,265	4,060.1	Basin Fill	---	479	213-479	14	5/17/1966	7/25/2005	8/25/2003	208.90	3,851.2	---	SNWA DTW Measurement Form	3,851
209-2	209	374041115114501	209 S03 E60 24A 1	4,171,502	659,245	4,003.1	Basin Fill	---	1,157	50-1,157	1	4/1/1963	4/1/1963	4/1/1963	187.00	3,816.1	---	NWIS WEB	3,816
209-4	209	373954115114501	209 S03 E60 25A 1	4,169,719	659,181	4,012.6	Basin Fill	563	563	128-563	1	3/25/1952	3/25/1952	3/25/1952	139.33	3,873.2	---	NWIS WEB	3,873
209-6	209	373808115124301	209 S03 E60 35DAB1	4,166,878	657,691	3,993.1	Basin Fill	---	---	---	51	10/25/1966	3/17/2010	3/17/2010	224.59	3,768.5	---	NDWR WEB	3,769
209-7	209	209 S03 E61 22BB 1	209 S03 E61 22BB 1	4,171,854	664,606	5,004.8	Carbonate Well	1,427	1,427	35-1,427	1	6/15/1965	6/15/1965	6/15/1965	860.00	4,144.8	---	NDWR WEB	4,145
209-9	209	373806115125102	209 S04 E60 02A 2	4,166,454	657,634	3,965.4	Basin Fill	---	255	50-255	21	3/23/1973	3/20/1996	12/2/1992	181.54	3,783.9	---	NWIS WEB	3,784
209-10	209	373803115124601	209 S04 E60 02AAB1	4,165,776	657,813	3,927.2	Basin Fill	---	---	---	66	7/20/1966	3/17/2010	3/17/2010	192.30	3,734.9	---	NDWR WEB	3,735
209-11	209	373731115125101	209 S04 E60 02BDC1	4,165,734	657,517	3,925.1	Basin Fill	---	---	---	57	10/25/1966	3/17/2010	3/17/2010	48.08	3,877.0	---	NDWR WEB	3,877
209-12	209	209 S04 E60 04DC 1	209 S04 E60 04DC 1	4,165,551	654,332	4,184.3	Basin Fill	471	199	50-199	1	6/15/1949	6/15/1949	6/15/1949	47.00	4,137.3	---	NDWR WEB	4,137
209-13	209	373731115125101	209 S04 E60 11A 1	4,164,833	657,671	3,919.2	Basin Fill	---	105	50-105	1	2/19/1948	2/19/1948	2/19/1948	29.72	3,899.5	---	NWIS WEB	3,899
209-15	209	373621115132801	209 S04 E60 11CCA1	4,163,774	656,647	3,903.1	Basin Fill	210	193	50-193	27	6/18/1959	3/18/1959	3/18/1959	74.33	3,829.8	---	NWIS WEB	3,829
209-16	209	209 S04 E60 11CCA1 (NDWR)	209 S04 E60 11CCA1 (NDWR)	4,163,529	656,539	3,907.5	Basin Fill	---	210	50-193	62	7/20/1966	3/17/2010	3/17/2009	79.24	3,828.2	---	NDWR WEB	3,828
209-17	209	209 S04 E60 14BB 2	209 S04 E60 14BB 2	4,163,787	656,661	3,894.4	Basin Fill	---	---	---	47	11/22/1983	3/17/2010	3/17/2010	88.06	3,806.3	---	NDWR WEB	3,806
209-18	209	373531115123201	209 S04 E60 14BBB1	4,163,592	656,773	3,894.4	Basin Fill	---	400	50-400	13	9/30/1960	6/24/2003	1/7/1999	81.13	3,813.2	---	NWIS WEB	3,813
209-19	209	209 S04 E60 23AC 1	209 S04 E60 23AC 1	4,161,608	657,644	3,956.9	Volcanic	150	150	70-150	1	8/21/2000	8/21/2000	8/21/2000	63.00	3,893.9	---	NDWR WEB	3,894
209-20	209	373523115133001	209 S04 E60 23BBA1	4,161,770	656,636	3,870.1	Basin Fill	192	192	40-192	1	3/13/1990	3/13/1990	3/13/1990	22.12	3,848.0	---	NWIS WEB	3,848
209-21	209	209 S04 E60 23BC 1	209 S04 E60 23BC 1	4,161,400	656,696	3,861.4	Basin Fill	170	170	110-170	1	4/19/2002	4/19/2002	4/19/2002	76.00	3,785.4	---	NDWR WEB	3,785
209-22	209	209 S04 E60 23CB 1	209 S04 E60 23CB 1	4,160,988	656,711	3,851.5	Basin Fill	100	68	24-68	1	5/7/1949	5/7/1949	5/7/1949	24.00	3,827.5	---	NDWR WEB	3,828
209-23	209	209 S04 E60 23CB 2	209 S04 E60 23CB 2	4,160,988	656,711	3,851.5	Basin Fill	67	67	20-67	1	2/27/1954	2/27/1954	2/27/1954	21.00	3,830.5	---	NDWR WEB	3,831
209-24	209	373453115131401	209 S04 E60 23CBB1 NV Division of Wildlife	4,161,103	656,631	3,861.8	Basin Fill	---	100	50-100	1	5/7/1949	5/7/1949	5/7/1949	24.00	3,837.8	---	NWIS WEB	3,838
209-25	209	373500115133301	209 S04 E60 23CBB1 NV Division of Wildlife	4,161,084	656,570	3,868.1	Basin Fill	400	385	50-385	2	3/13/1990	1/7/1999	1/7/1999	23.06	3,845.0	---	NWIS WEB	3,845
209-26	209	209 S04 E60 23CC 1	209 S04 E60 23CC 1	4,160,636	656,739	3,843.8	Basin Fill	180	180	80-100/140-180	1	7/3/2002	7/3/2002	7/3/2002	62.00	3,781.8	---	NDWR WEB	3,782
209-27	209	373330115142002	209 S04 E60 34A 2	4,158,265	655,474	3,893.4	Basin Fill	---	96	50-96	9	9/15/1955	3/14/1990	2/27/1989	61.56	3,831.8	---	NWIS WEB	3,832
209-28	209	373339115134901	209 S04 E60 34AB 1	4,158,562	655,962	3,864.8	Basin Fill	---	---	---	1	4/1/1963	4/1/1963						

Well Map ID <sup>a</sup>	HA	Station Number	Station Name	UTM Northing <sup>c</sup> (ft amsl)	UTM Easting <sup>c</sup> (m)	Ref Pt Elev <sup>a,b</sup> (ft amsl)	Site Type	Hole Depth (ft bgs)	Well Depth (ft bgs)	Effective Open Interval (ft bgs)	Meas Count	First Meas	Last Meas	Date of Selected Meas	Selected DTW <sup>d</sup> (ft bgs)	Selected Elevation <sup>f</sup> (ft amsl)	Selected Observation	Selected Data Source	Plotting Value <sup>e</sup> (ft amsl)	
210-17	210	CSI-4	210 S13 E63 05AB 1 CSI-4	4,080,185	682,366	2,511.4	Carbonate Well	1,397	1,384	894-974/1,014-1,374	15	9/19/2006	8/18/2010	689.59	1,821.8	---	---	SNWA Portal	1,822	
210-18	210	CSI-3	210 S13 E63 10DC 1 CSI-3	4,077,531	685,813	2,334.5	Carbonate Well	1,156	1,152	572-812/852-1,132	14	9/1/2006	8/18/2010	512.73	1,821.8	---	---	SNWA Portal	1,822	
210-19	210	365008114541101	210 S13 E63 11BACD1 USBLM (Dutch Flat)	4,078,687	686,960	2,229.2	Basin Fill	170	170	---	117	8/19/1981	8/18/2010	162.33	2,065.9	---	---	SNWA Portal	2,067	
210-20	210	S13 E63 11BC 1	210 S13 E63 11BC 1 CSVM-6	4,078,333	686,453	2,251.7	Carbonate Well	1,200	1,160	420-1,160	99	3/25/2005	8/18/2010	433.66	1,818.9	---	---	SNWA Portal	1,818	
210-21	210	CSI-2	210 S13 E63 14CD 1 CSI-2	4,075,781	687,063	2,208.9	Carbonate Well	1,019	1,015	524-644/684-848/884-1,005	25	9/15/2005	8/18/2010	389.74	1,819.2	---	---	SNWA Portal	1,819	
210-22	210	CSI-1	210 S13 E63 22DC 1 CSI-1	4,074,459	686,043	2,281.0	Carbonate Well	935	920	520-600/640-760/800-880	25	9/15/2005	8/18/2010	460.99	1,820.1	---	---	SNWA Portal	1,820	
210-23	210	364743114533101	210 S13 E63 23DDC1 USGS-MX CE-DT-4	4,074,277	688,003	2,175.0	Carbonate Well	669	669	50-669	223	12/12/1980	8/18/2010	354.36	1,820.6	---	---	SNWA Portal	1,821	
210-25	210	S13 E63 25AD 1	210 S13 E63 25AD 1 CSVM-1	4,073,793	688,602	2,160.6	Carbonate Well	1,060	1,040	320-1,020	98	3/20/2003	8/12/2010	340.05	1,820.6	---	---	SNWA Portal	1,821	
210-26	210	364726114525501	210 S13 E63 25BDA1	4,073,726	688,910	2,161.3	Basin Fill	353	267	247-267	1	5/4/1944	3/14/1985	5/4/1944	332.00	1,829.3	---	---	NWIS WEB	1,829
210-27	210	364741114532801	210 S13 E63 26AAA1 USGS-MX CE-DT-5	4,074,219	688,084	2,176.6	Carbonate Well	628	121	121-628 (open hole)	128	5/6/1981	8/18/2010	356.18	1,820.4	---	---	SNWA Portal	1,820	
210-28	210	S13 E63 26AB 1	210 S13 E63 26AB 1 CSV-RW2	4,074,082	687,862	2,200.1	Carbonate Well	720	710	468-700	46	3/5/2002	7/21/2010	381.46	1,818.6	---	---	SNWA Portal	1,819	
210-29	210	S14 E62 01AA 1	210 S14 E62 01AA 1 CSVM-5	4,068,774	680,295	3,130.7	Carbonate Well	1,783	1,780	1,020-1,760	93	2/18/2003	9/14/2010	1,082.04	2,048.7	---	---	SNWA Portal	2,049	
210-30	210	364352114544701	210 S14 E63 10 1	4,067,069	686,277	2,317.5	Basin Fill	353	353	247-267	1	5/4/1944	5/4/1944	332.00	1,985.5	---	---	NWIS WEB	1,986	
210-31	210	364127114553001	210 S14 E63 28ACDC1 USGS CSV-3	4,062,583	685,222	2,415.9	Basin Fill	780	780	50-780	142	12/20/1985	9/14/2010	592.81	1,823.1	---	---	SNWA Portal	1,823	
210-32	210	S15 E63 03BB 1	210 S15 E63 03BB 1 CSVM-2	4,059,370	685,625	2,572.7	Carbonate Well	1,425	1,400	720-1,380	96	3/5/2003	9/14/2010	749.45	1,823.3	---	---	SNWA Portal	1,823	
210-33	210	CSV3009X	CSV3009X	4,094,987	681,079	2,595.0	Basin Fill	1,580	1,578	1,058-1,558	25	12/18/2008	9/14/2010	496.60	2,098.4	---	---	SNWA Portal	2,098	
210-34	210	CSV3011X	CSV3011X	4,094,873	684,075	2,665.7	Basin Fill	1,580	1,555	---	24	12/18/2008	9/14/2010	751.16	1,914.6	---	---	SNWA Portal	1,915	
215-1	215	360545114563401	212 S21 E63 28ACA 1 USBR LG006	3,996,533	685,126	1,477.3	Basin Fill	41	41	39-41	4	4/29/1971	3/11/1978	3/11/1978	22.95	1,454.3	---	---	NWIS WEB	1,454
215-2	215	360644114563801	212 S21 E63 28ACA 2 USBR LG007	3,996,558	684,900	1,497.3	Basin Fill	135	134	90-95	31	4/29/1971	3/11/1978	3/11/1978	32.02	1,455.2	---	---	NWIS WEB	1,455
215-3	215	362708114282901	215 S17 E67 26B 1 Valley of Fire State Park	4,034,387	726,310	1,882.2	Clastic	100	100	60-100	1	1/11/1965	1/11/1965	33.25	1,849.0	---	---	NWIS WEB	1,849	
215-4	215	362541114281701	215 S17 E67 26BDC1 NV Division of State Parks	4,034,395	726,609	1,892.2	Clastic	100	100	60-100	2	1/16/1965	3/13/1985	3/13/1985	11.18	1,681.0	---	---	NWIS WEB	1,681
215-5	215	362553114322701	215 S17 E67 30ABB 1 NV Division of State Parks	4,034,603	720,372	2,152.3	Clastic	400	400	325-400	4	10/16/1972	10/14/1976	10/14/1976	345.00	1,807.3	---	---	NWIS WEB	1,807
215-6	215	362556114322401	215 S17 E67 30ABB 2 NV Division of State Parks	4,034,698	720,445	2,132.3	Clastic	500	500	330-488	12	4/3/1978	9/14/1992	6/15/1992	361.69	1,770.6	---	---	NWIS WEB	1,771
215-7	215	362531114320001	215 S17 E67 30DAB1 Valley of Fire State Park	4,033,943	721,062	2,097.6	Basin Fill	380	---	50-380	7	3/29/1993	9/12/1994	9/12/1994	307.69	1,789.6	---	---	NWIS WEB	1,790
215-8	215	362534114321901	215 S17 E67 30DBA 1 NV Division of State Parks	4,034,023	720,587	2,152.3	Basin Fill	---	---	---	1	3/14/1985	3/14/1985	3/14/1985	310.70	1,841.6	---	---	NWIS WEB	1,842
215-9	215	362805114214501	215 S17 E68 23AB 1 USNPS	4,036,361	736,675	1,309.0	Basin Fill	175	143	133-143	1	1/1/1964	1/1/1964	97.50	1,211.5	---	---	NWIS WEB	1,212	
215-10	215	S18 E64 18ACDB1	215 S18 E64 18ACDB1	4,028,841	690,787	2,240.0	Basin Fill	---	860	615-860	2	7/17/2010	8/21/2010	8/21/2010	496.00	1,744.0	---	---	NDWR WEB	1,744
215-11	215	EBM-4	215 S19 E63 13DA 2 EBM-4	4,018,828	689,782	2,419.5	Carbonate Well	1,134	1,129	608-708/735-1,129	1	12/15/1991	12/15/1991	12/15/1991	593.00	1,826.5	---	---	NDWR WEB	1,827
215-12	215	362003114341101	215 S19 E66 01ABBB1	4,023,751	718,054	2,202.3	Basin Fill	---	68	50-68	1	3/13/1985	3/13/1985	3/13/1985	60.98	2,141.3	---	---	NWIS WEB	2,141
215-13	215	361945114272401	215 S19 E68 06 1 USNPS	4,021,389	730,469	1,302.1	Basin Fill	175	177	118-168	1	1/1/1956	1/1/1956	1/1/1956	125.00	1,177.1	---	---	NWIS WEB	1,177
215-14	215	361954114265801	215 S19 E68 06 2 USNPS	4,021,389	730,469	1,302.1	Basin Fill	300	300	50-300	1	1/1/1956	1/1/1956	1/1/1956	83.00	1,219.1	---	---	NWIS WEB	1,219
215-15	215	361530114532301	215 S20 E63 01DB 1	4,012,383	689,585	1,932.3	Basin Fill	240	240	No casing in hole	---	---	10/18/1958	10/18/1958	40.00	1,892.3	---	---	NWIS WEB	1,892
215-16	215	S20 E63 04 1	215 S20 E63 04 1	4,012,492	684,637	2,198.9	Basin Fill	101	99	79-99	1	2/15/1994	2/15/1994	2/15/1994	77.00	2,121.9	---	---	NDWR WEB	2,122
215-17	215	361403114510001	215 S20 E64 05DDDB1	4,012,036	693,139	1,922.3	Basin Fill	95	162	50-162	1	3/12/1985	3/12/1985	3/12/1985	155.34	1,767.0	---	---	NWIS WEB	1,767
215-18	215	361322114512801	215 S20 E64 08CAAB1	4,010,781	692,468	1,807.3	Basin Fill	950	920	320-920	2	3/12/1985	3/12/1985	3/12/1985	99.60	1,707.7	---	---	NWIS WEB	1,708
215-20	215	361349114524401	215 S20 E64 18CB 1	4,009,165	690,455	1,772.3	Basin Fill	240	---	50-240	1	11/6/1958	11/6/1958	11/6/1958	40.00	1,732.3	---	---	NWIS WEB	1,732
215-21	215	361044114505601	215 S20 E64 29DAB1	4,005,930	693,376	1,502.2	Basin Fill	490	490	370-490	1	10/29/1994	10/29/1994	10/29/1994	180.00	1,322.2	---	---	NWIS WEB	1,322
215-22	215	S21 E63 02 1	215 S21 E63 02 1	4,002,814	687,643	1,675.6	Basin Fill	30	30	10-30	1	12/15/1996	12/15/1996	12/15/1996	20.00	1,655.6	---	---	NDWR WEB	1,656
215-23	215	360714114542501	215 S21 E63 14DB1 USBR LG004	3,999,344	688,293	1,315.4	Basin Fill	48	47	42-47	22	4/29/1971	4/4/1980	4/4/1980	20.43	1,295.0	---	---	NWIS WEB	1,295
215-24	215	360713114542501	215 S21 E63 14DB2 USBR LG005	3,999,314	688,294	1,315.3	Basin Fill	100	96	95-99	23	4/29/1971	3/4/1980	3/4/1980	20.09	1,295.2	---	---	NWIS WEB	1,295
215-25	215	S21 E64 07D 1	215 S21 E64 07D 1	4,001,108	691,432	1,311.4	Basin Fill	125	60	50-60	1	12/15/1951	12/15/1951	7.00	1,304.4	---	---	NDWR WEB	1,304	
215-26	215	360725114494301	215 S21 E64 21CC 1	3,997,404	695,391	1,225.6	Basin Fill	550	550	297-360	1	1/1/1958	1/1/1958	1/1/1958	272.00	953.6	---	---	NWIS WEB	954
215-27	215	360938114434101	215 S21 E65 09DB 1 USNPS	4,001,617	704,351	1,302.2	Basin Fill	---	200	50-200	1	10/12/1967	10/12/1967	10/12/1967	105.00	1,197.2	---	---	NWIS WEB	1,197
215-28	215	S21 E65 16CD 1	215 S21 E65 16CD 1	3,999,712	704,621	1,204.3	Basin Fill	200	200	125-160/175-180	1	4/15/1995	4/15/1995	4/15/1995	90.00	1,114.3	---	---	NDWR WEB	1,114
215-29	215	S22 E64 03DB 1	215 S22 E64 03DB 1	3,993,957	697,045	1,258.8	Basin Fill	71	71	6-71	1	7/15/1997	7/15/1997	7/15/1997	17.10	1,238.7	---	---	NDWR WEB	1,239
215-30	215	360345114482001	215 S22 E64 14CC 1 USNPS	3,990,399	697,877	1,302.3	Basin Fill	200	200	104-200	1	1/1/1955	1/1/1955	1/1/1955	135.00	1,167.3	---	---	NWIS WEB	1,167
215-31	215	S22 E64 25CC 1	215 S22 E64 25CC 1	3,987,291	699,500	1,719.4	Volcanic	788	788	693-788	1	10/15/1980	10/15/1980	10/15/1980	673.00	1,046.4	---	---	NDWR WEB	1,046
215-32	215	361736114531601	215 S19 E63 13CDA1 EBM-3	4,018,500																

Well Map ID <sup>a</sup>	HA	Station Number	Station Name	UTM Northing <sup>c</sup> (ft amsl)	UTM Easting <sup>c</sup> (m)	Ref Pt Elev <sup>a,c</sup> (ft amsl)	Site Type	Hole Depth (ft bgs)	Well Depth (ft bgs)	Effective Open Interval (ft bgs)	Meas Count	First Meas	Last Meas	Date of Selected Meas	Selected DTW <sup>f</sup> (ft bgs)	Selected Elevation <sup>f</sup> (ft amsl)	Selected Observation	Selected Data Source	Plotting Value <sup>g</sup> (ft amsl)	
218-26	218	362310114461601	218 S18 E65 18CC 1	USBLM	4,028,273	699,710	2,592.4	Basin Fill	860	860										
218-27	218	Byron	Byron		4,051,282	710,994	1,904.3	Basin Fill	1,095	1,095								NWIS WEB	1,767.4	
218-28	218	CW-CLARK	CW-CLARK		4,042,130	704,618	1,963.3	Basin Fill	685	568								NWIS WEB	1,664	
218-29	218	CW-HALL	CW-HALL		4,038,215	702,046	2,108.5	Basin Fill	1,560	1,560								NWIS WEB	1,662	
218-30	218	CW-JONES	CW-JONES		4,036,271	703,287	2,177.1	Basin Fill	500	300								NWIS WEB	1,897	
218-31	218	MV-1	MV-1		4,044,389	715,067	2,672.7	Clastic	118	118								NWIS WEB	1,919	
218-32	218	MV-2	MV-2		4,060,205	716,113	1,544.5	Basin Fill	198	198								NWIS WEB	2,652	
218-33	218	MV-3	MV-3		4,059,815	716,545	1,514.0	Basin Fill	150	150								NWIS WEB	1,512	
218-34	218	MV-4	MV-4		4,046,590	696,729	2,233.8	Carbonate Well	1,170	1,125								NWIS WEB	1,504	
218-35	218	PAIUTES-ECP1	PAIUTES-ECP1		4,046,984	696,714	2,243.1	Carbonate Well	1,500	74								NWIS WEB	1,820	
218-36	218	PAIUTES-ECP3	PAIUTES-ECP3		4,057,109	704,517	1,898.1	Carbonate Well	400	400								NWIS WEB	1,504	
218-37	218	PAIUTES-M1	PAIUTES-M1		4,071,630	691,378	2,160.3	Basin Fill	765	765								NWIS WEB	1,818	
219-1	219	364601114514301	210 S13 E64 31DAAD1	USGS CSV-1	4,064,404	707,118	1,702.2	Basin Fill	82	82								NWIS WEB	1,814	
219-2	219	364210114450002	218 S14 E65 23AC 1		4,064,472	707,390	1,702.2	Basin Fill	65	65								NWIS WEB	1,818	
219-3	219	364212114430901	218 S14 E65 23DAAB1		4,063,671	707,409	1,702.2	Basin Fill	70	70								NWIS WEB	1,814	
219-4	219	364146114403901	218 S14 E65 26AAAB1		4,067,849	701,623	1,837.2	Basin Fill	44	44								NWIS WEB	1,818	
219-5	219	364406114442802	219 N14 E65 08BDA2		4,071,381	697,482	2,277.9	Carbonate Well	937	325								NWIS WEB	1,808	
219-6	219	364604114471301	219 S13 E64 35ACAA1	USGS-MX CE-DT-6	4,072,967	703,217	2,187.7	Carbonate Well	478	95								NWIS WEB	1,820	
219-7	219	364650114432001	219 S13 E65 28BDC1	USGS CSV-2	4,068,144	702,234	1,897.4	Basin Fill	208	208								NWIS WEB	1,820	
219-8	219	364418114441201	219 S14 E65 08AB 1		4,068,229	702,077	1,828.7	Basin Fill	57	57								NWIS WEB	1,798	
219-9	219	364418114441201	219 S14 E65 08ABDD1		4,067,740	702,222	1,827.4	Basin Fill	80	80								NWIS WEB	1,798	
219-10	219	364412114441601	219 S14 E65 08ABCC1	Nevada Power Company	4,068,022	701,963	1,825.4	Basin Fill	70	70								NWIS WEB	1,804	
219-11	219	364412114440801	219 S14 E65 08ABDC1	Nevada Power Company	4,067,926	702,267	1,832.2	Basin Fill	100	100								NWIS WEB	1,804	
219-12	219	364408114440201	219 S14 E65 08ACAA1	Nevada Power Company	4,067,812	701,759	1,842.7	Basin Fill	100	100								NWIS WEB	1,804	
219-13	219	364352114440301	219 S14 E65 08BD 1		4,067,731	701,850	1,837.3	Basin Fill	65	65								NWIS WEB	1,819	
219-14	219	219 S14 E65 08BD 1 (NDWR)	219 S14 E65 08BD 1 (NDWR)		4,067,740	702,222	1,827.4	Basin Fill	65	65								NWIS WEB	1,819	
219-15	219	364406114441701	219 S14 E65 08BDA1		4,067,726	701,626	1,857.2	Basin Fill	65	65								NWIS WEB	1,800	
219-16	219	364402114442801	219 S14 E65 08BDD1	DRI	4,067,257	702,655	1,812.2	Basin Fill	1	1								NWIS WEB	1,819	
219-17	219	364346114434701	219 S14 E65 08DADD1	DRI	4,067,618	702,019	1,820.9	Basin Fill	52	52								NWIS WEB	1,807	
219-18	219	219 S14 E65 08DB 2	219 S14 E65 08DB 2		4,067,430	702,130	1,827.2	Basin Fill	52	52								NWIS WEB	1,804	
219-19	219	364352114440801	219 S14 E65 08DBAC1		4,067,492	702,153	1,833.2	Basin Fill	93	93								NWIS WEB	1,804	
219-20	219	364354114440701	219 S14 E65 08DBBA1	Nevada Power Company	4,067,611	701,977	1,826.2	Basin Fill	97	97								NWIS WEB	1,811	
219-21	219	364358114441401	219 S14 E65 08DBBD2	Nevada Power Company	4,067,730	703,007	1,820.9	Basin Fill	48	48								NWIS WEB	1,804	
219-22	219	219 S14 E65 09CA 1	219 S14 E65 09CA 1		4,065,926	703,011	1,804.1	Basin Fill	81	81								NWIS WEB	1,811	
219-23	219	364338114434501	219 S14 E65 09CC 1		4,067,012	702,711	1,812.2	Basin Fill	80	80								NWIS WEB	1,788	
219-24	219	364338114434501	219 S14 E65 09CCB1		4,066,976	703,804	1,784.8	Basin Fill	80	80								NWIS WEB	1,798	
219-25	219	219 S14 E65 09DC 1	219 S14 E65 09DC 1		4,067,111	703,761	1,797.2	Basin Fill	119	119								NWIS WEB	1,797	
219-26	219	364340114430301	219 S14 E65 09DCAC1		4,066,988	704,201	1,784.8	Basin Fill	98	98								NWIS WEB	1,744	
219-27	219	364335114431601	219 S14 E65 09DD 1		4,065,438	706,547	1,722.4	Basin Fill	150	150								NWIS WEB	1,771	
219-28	219	219 S14 E65 14CD 1	219 S14 E65 14CD 1		4,066,988	704,201	1,784.8	Basin Fill	65	65								NWIS WEB	1,771	
219-29	219	219 S14 E65 15AC 1	219 S14 E65 15AC 1		4,066,212	705,386	1,738.8	Basin Fill	3	3								NWIS WEB	1,704	
219-30	219	364318114422101	219 S14 E65 15BB 1		4,066,445	704,809	1,759.9	Basin Fill	80	80								NWIS WEB	1,731	
219-31	219	364322114423101	219 S14 E65 15BB 1		4,066,562	704,558	1,802.2	Basin Fill	80	80								NWIS WEB	1,741	
219-32	219	364323114423901	219 S14 E65 15BB 1		4,066,588	704,359	1,757.2	Basin Fill	23	23								NWIS WEB	1,798	
219-33	219	364309114430601	219 S14 E65 16AA 1		4,066,141	703,699	1,773.8	Basin Fill	80	80								NWIS WEB	1,738	
219-34	219	219 S14 E65 21AB 1	219 S14 E65 21AB 1		4,064,941	703,827	1,925.9	Basin Fill	240	240								NWIS WEB	> 1,774	
219-35	219	219 S14 E65 22AA 1	219 S14 E65 22AA 1		4,064,988	705,763	1,778.2	Basin Fill	80	80								NWIS WEB	1,738	
219-36	219	364238114410401	219 S14 E65 23ABBB1		4,065,258	706,750	1,712.2	Basin Fill	44	44								NWIS WEB	1,926	
219-37	219	364216114413101	219 S14 E65 23BA 1		4,065,117	706,642	1,721.3	Basin Fill	50	50								NWIS WEB	1,758	
219-38	219	364156114413101	219 S14 E65 23BB 1		4,065,026	706,085	1,719.3	Basin Fill	60	60								NWIS WEB	1,711	
219-39	219	219 S14 E65 23BB 1 (NDWR)	219 S14 E65 23BB 1 (NDWR)		4,064,997	706,160	1,719.3	Basin Fill	100	100								NWIS WEB	1,718	
219-40	219	219 S14 E65 23BB 2 (NDWR)	219 S14 E65 23BB 2 (NDWR)		4,064,997	706,160	1,719.3	Basin Fill	107	107								NWIS WEB	1,700	
219-41	219	364239114413501	219 S14 E65 23BBB1		4,065,270	705,980	1,732.2	Basin Fill	80	80								NWIS WEB	1,697	
219-42	219	364239114413602	219 S14 E65 23BBB2	Nevada Power Company	4,065,080	706,031	1,715.8	Basin Fill	115	115								NWIS WEB	1,724	
219-43	219	219 S14 E65 23BC 1	219 S14 E65 23BC 1		4,064,596	706,145	1,778.2	Basin Fill	115	115								NWIS WEB	1,724	
219-44	219	ABBOTT	ABBOTT		4,065,657	706,443	1,712.1	Basin Fill	100	100									NWIS WEB	1,706
219-45	219	219 S14 E65 07AD 1	ARROW CANYON		4,067,755	701,104	1,860.7	Carbonate Well	565	565								NWIS WEB	1,770	
219-46	219	Behmer-MW	Behmer-MW		4,065,280	706,031	1,717.5	Basin Fill	267	267								NWIS WEB	1,691	
219-47	219	EH-4	EH-4		4,064,736	703,929	1,933.9	Carbonate Well	285	285								NWIS WEB	1,816	
219-48	219	EH-5B	EH-5B		4,067,619	701,569	1,844.8	Carbonate Well	265	264								NWIS WEB	1,693	
219-49	219	LDS CENTRAL	LDS CENTRAL		4,066,544	704,114	1,762.2	Basin Fill	106	106								NWIS WEB	1,816	
219-50	219	LDS EAST	LDS EAST		4,066,594	704,479	1,752.6	Basin Fill	195	195								NWIS WEB	1,616	
219-51	219	LDS WEST	LDS WEST		4,067,083	702,746	1,807.3	Basin Fill	80	80										

Well Map ID <sup>a</sup>	HA	Station Number	Station Name	UTM Northing <sup>b,c</sup> (m)	UTM Easting <sup>b,c</sup> (m)	Ref Pt Elev <sup>a,c</sup> (ft amsl)	Site Type	Hole Depth (ft bgs)	Well Depth (ft bgs)	Effective Open Interval (ft bgs)	Meas Count	First Meas	Last Meas	Date of Selected Meas	Selected DTW <sup>d</sup> (ft bgs)	Selected Elevation <sup>e</sup> (ft amsl)	Selected Observation	Selected Data Source	Plotting Value <sup>f</sup> (ft amsl)
220-52	220	MV-6	MV-6	4,059,868	718,656	1,591.3	Basin Fill	200	200	20-200	1	1/15/1975	1/15/1975	1/15/1975	14.00	1,577.3	---	NDWR Drillers Log	1,577
220-53	220	MV-9	MV-9	4,058,477	719,735	1,539.9	Basin Fill	135	135	105-135	1	1/15/1975	1/15/1975	1/15/1975	40.00	1,499.9	---	NDWR Drillers Log	1,500
<sup>a</sup> Well Map ID can be used in conjunction with the figures and plates of the report to locate a particular site found in this table.																			
<sup>b</sup> Coordinates use the Universal Transverse Mercator projection, North American Datum of 1983, Zone 11 meters; Elevations use the North American Vertical Datum of 1988.																			
<sup>c</sup> Coordinates rounded to the nearest meter; Ref Pt Elev rounded to the nearest tenth of a foot.																			
<sup>d</sup> Depth to water rounded to the nearest hundredth of a foot; Water-level elevations rounded to the nearest tenth of a foot. The number of significant figures does not imply a specific degree of accuracy.																			
<sup>e</sup> Plotting value rounded to the nearest one foot.																			

---

## **3-Data Dictionary**

---

<b>2-Well Data</b>	
<b>Column Heading</b>	<b>Definition</b>
Well Map ID	A unique identifier used to associate well locations depicted on the figures and plates of the report to this well data table.
HA	The number designation of the hydrographic area in which the well is located.
Station Number	A unique identifier for every well site in the table.
Station Name	Common name for a given well in the table.
UTM Northing	The Universal Transverse Mercator projection, North American Datum of 1983, Zone 11 meters northing coordinate of the well site.
UTM Easting	The Universal Transverse Mercator projection, North American Datum of 1983, Zone 11 meters easting coordinate of the well site.
Ref Pt Elev	The reference point elevation. Typically, the land surface elevation, in ft amsl.
Site Type	A general designation for the HGU in which the well is completed.
Hole Depth	Drilled depth of the borehole, in ft bgs.
Well Depth	Depth of the well, in ft bgs.
Effective Open Interval	The open interval of the well, in ft bgs.
Meas Count	The number of water-level measurements (not including measurements excluded from consideration) available for a given site.
First Meas	Date of the first measurement in the period of record.
Last Meas	Date of the last measurement in the period of record.
Date of Selected Meas	Date of the selected measurement.
Selected DTW	Selected depth-to-water measurement.
Selected Elevation	Water-level elevation for the selected DTW measurement.
Selected Observation	Status of the site at the time of the selected water-level measurement.
Selected Data Source	Source of the selected depth-to-water measurement.
Plotting Value	Selected water-level elevation measurement rounded to the nearest foot. Used for plotting on the figures and plates.

---

## **4-References**

---

2-Well Data	
Callout	Reference
Brothers et al. (1996)	Brothers, K., Katzer, T., and Johnson, M., 1996, Hydrology and steady state ground-water model of Dry Lake and Delamar valleys, Lincoln County, Nevada: Las Vegas Valley Water District, Las Vegas, Nevada, Cooperative Water Project Report No. 16, 48 p.
Brothers et al. (1994)	Brothers, K., Bernholtz, A.J., Buqo, T.S., and Tracy, J.V., 1994, Hydrology and steady state ground-water model of Spring Valley, Lincoln and White Pine counties, Nevada: Las Vegas Valley Water District, Las Vegas, Nevada, Cooperative Water Project Report No. 13, 69 p.
Brothers et al. (1993a)	Brothers, K., Buqo, T.S., and Tracy, J.V., 1993, Hydrology and steady state ground-water model of Coal and Garden valleys, Lincoln and Nye counties, Nevada: Las Vegas Valley Water District, Las Vegas, Nevada, Cooperative Water Project Report No. 8, 78 p.
Brothers et al. (1993b)	Brothers, K., Buqo, T.S., and Tracy, J.V., 1993, Hydrology and steady state ground-water model of Snake valley, east-central Nevada, and west-central Utah: Las Vegas Valley Water District, Las Vegas, Nevada Cooperative Water Project Report No. 9, 110 p.
Brothers et al. (1993c)	Brothers, K., Buqo, T.S., Tracy, J.V., Stock, M., Bentley, C., Zdon, A., and Kepper, J., 1993, Hydrology and steady state ground-water model of Cave Valley, Lincoln and White Pine counties, Nevada: Las Vegas Valley Water District, Las Vegas, Nevada, Cooperative Water Project Report No. 11, 48 p.
Bunch and Harrill (1984)	Bunch, R.L., and Harrill, J.R., 1984, Compilation of selected hydrologic data from the MX missile-siting investigation, east-central Nevada and western Utah: U.S. Geological Survey Open-File Report 84-702, 123 p.
Buqo et al. (1992)	Buqo, T.S., Drici, Q., and Goings, D.B., 1992, Hydrology and steady state ground-water model of Coyote Spring valley, Clark and Lincoln County, Nevada, Las Vegas Valley Water District, Cooperative Water Project, Report No. 3, 84 p.
DRI Electronic Files	Electronic files of depth-to-water data obtained by DRI and submitted to SNWA
Eakin (1963)	Eakin, T.E., 1963, Ground-water appraisal of Pahrnagat and Pahroc valleys, Lincoln and Nye counties, Nevada: Nevada Department of Conservation and Natural Resources, Ground-Water Resources-Reconnaissance Series Report 21, 36 p.
Ertec (1981)	Ertec Western, Inc., 1981, MX Siting Investigation—Water Resources Program—Technical Summary Report, Volume IIB: Ertec Western, Inc., Long Beach, California, Report E-TR-52-II, 138 p.
Feast Geosciences (2010)	Feast Geosciences, LLC, 2010, Well PW-1 Completion and Testing: Vidler Water Company, Carson City, NV, Feast Geosciences, LLC, 207 p.
Hood and Rush (1965)	Hood, J.W., and Rush, F.E., 1965, Water-resources appraisal of the Snake Valley area, Utah and Nevada: Nevada Department of Conservation and Natural Resources Water Resources-Reconnaissance Series Report 34, 40 p.
Magma Nevada Mining Co	Magma Nevada Mining Co, Quarterly Monitoring Plan Compliance Reports, 1992 - 1996
McKay and Kepper (1988)	McKay, A., and Kepper, J., 1988, Estimating hydraulic parameters using wildcat oil and gas data: A feasibility study in east-central Nevada: Desert Research Institute, Water Resources Center, Publication No. 41117, 55 p.
NDWR Drillers Log	<a href="http://water.nv.gov/data/wellog/">http://water.nv.gov/data/wellog/</a>
NDWR WEB	<a href="http://water.nv.gov/data/waterlevel/">http://water.nv.gov/data/waterlevel/</a>
NWIS WEB	<a href="http://waterdata.usgs.gov/nwis">http://waterdata.usgs.gov/nwis</a>
SNWA DTW Measurement Form	Depth-to-water measurement taken by SNWA personnel and recorded on SNWA depth-to-water measurement form
SNWA Electronic Files	Electronic files of depth-to-water measurements compiled from various sources, including published reports and field measurements
SNWA Log Book	Depth-to-water measurement taken by SNWA personnel and recorded in an employees personal log book
SNWA Portal	Depth-to-water data maintained by SNWA in SNWA Portal
Thomas et al. (1986)	Thomas, J.M., Mason, J.L., and Crabtree, J.D., 1986, Groundwater levels in the Great Basin region of Nevada, Utah, and adjacent states: U.S. Geological Survey Hydrologic Investigations Atlas HA-694B, scale 1:1,000,000, 2 sheets.
Utah BLM Electronic Files	Electronic files of depth-to-water data obtained by Utah BLM and submitted to SNWA
Utah Geological Survey Web	<a href="http://geology.utah.gov/esp/snake_valley_project/overview.htm#data">http://geology.utah.gov/esp/snake_valley_project/overview.htm#data</a>
Utah Well Log Database	<a href="http://www.waterrights.utah.gov/cgi-bin/wellview.exe?Startup">http://www.waterrights.utah.gov/cgi-bin/wellview.exe?Startup</a>