

**TABLE 4-2
RESULTS OF ISOTOPIC ANALYSIS OF WATER SAMPLES COLLECTED IN
FEBRUARY 2002**

Point Name	Screen Depth (feet bgs)	Sample Date	☒D (per mil)	☒ ¹⁸ O (per mil)	¹⁴ C (ybp)	Age Uncertainty (+/-years)
Shallow Hydrogeologic Zone						
TTIWV-MW09	18 - 28	02/16/02	-100	-12.9	27,540	555
TTIWV-MW12	11 - 21	02/16/02	NA	NA	4,276	96
TTIWV-MW12DUP	11 - 21	02/16/02	NA	NA	4,322	102
TTIWV-MW13	15 - 25	02/16/02	NA	NA	6,301	131
TTIWV-MW14	60 - 70	02/17/02	-103	-11.7	8,055	133
MK29-MW13	280 - 300	02/15/02	-93	-12.1	13,287	170
MK69-MW01	50.7 - 65.7	02/18/02	-86	-11.7	1,617	104
MKFL-MW01	48.5 - 58.5	02/20/02	-99	-12.2	6,623	124
RLS12-MW04	119 - 139	02/19/02	-95	-12.2	1,294	102
RLS29-MW01	17 - 31.5	02/16/02	-93	-12.0	5,131	147
TTBK-MW02	71.6 - 76.6	02/18/02	-92	-11.9	182	78
TTBK-MW13	9.6 - 14.6	02/16/02	-90	-11.5	3,976	92
Regional Aquifer						
JMM12-MW08	138 - 153	02/19/02	-94	-12.2	2,979	108
MK69-MW02	196.3 - 211.3	02/18/02	-103	-14.1	33,390	1,148
MKFL-MW02	182 - 202	02/20/02	-102	-13.8	16,199	217
TTIWV-MW01(I)	350 - 370	02/17/02	-95	-12.9	16,065	213
TTIWV-MW02(I)	400 - 420	02/18/02	-100	-13.7	22,112	339
TTIWV-MW01(D)	730 - 750	02/17/02	-105	-14.2	19,908	322
TTIWV-MW02(S)	235 - 255	02/18/02	-96	-13.0	17,517	239
TTIWV-MW02(D)	780 - 800	02/18/02	-105	-14.2	23,006	410
TTIWV-MW02DUP	780 - 800	02/18/02	-104	-14.1	21,972	361
TTIWV-MW04	635 - 655	02/20/02	-105	-14.2	30,937	846
TTIWV-MW06	938 - 958	02/17/02	-102	-13.6	30,525	965
TTIWV-MW07	600 - 620	02/21/02	-106	-14.3	32,836	1,607
TTIWV-MW08	400 - 420	02/18/02	-104	-14.1	38,958	2,296
TTIWV-MW10	260 - 340	02/16/02	-100	-12.8	25,161	536
TTIWV-MW15	280 - 300	02/17/02	-102	-12.3	26,502	585
TTIWV-MW16	948 - 988	02/16/02	-89	-9.8	>49,000	--
TTIWV-MW16DUP	948 - 988	02/16/02	-89	-9.7	>49,000	--
Salt Wells Valley						
TTSWV-MW02	36 - 46	02/13/02	-93	-10.4	6,809	127
TTSWV-MW03	350 - 370	02/14/02	-89	-9.3	25,369	508
TTSWV-MW06	40 - 50	02/14/02	-99	-12.3	6,420	121
TTSWV-MW07	250 - 270	02/14/02	-96	-11.1	13,771	180
TTSWV-MW09	30 - 40	02/15/02	-100	-12.6	38,958	1,837
TTSWV-MW10	175 - 195	02/15/02	-98	-12.3	28,733	1,286
TTSWV-MW10DUP	175 - 195	02/15/02	-98	-12.2	28,418	1,866

Notes:

- No data
- bgs Below ground surface
- NA Not analyzed
- ybp Years before present
- ☒D Deuterium/protium ratio
- ☒¹⁸O Oxygen-18/oxygen-16 ratio
- ¹⁴C Carbon-14