

GROUND WATER AND PROJECT RECORDS

STATE OF NEVADA--HYDROGRAPHIC AREAS

1-NORTHWEST REGION

1. Pueblo V.
2. Continental Lake V.
3. Gridley Lake V.
4. Virgin V.
5. Sage Hen V.
6. Guano V.
7. Swan Lake V.
8. Massacre Lake V.
9. Long V.
10. Macy Flat
11. Coleman V.
12. Mosquito V.
13. Warner V.
14. Surprise V.
15. Boulder V.
16. Duck Lake V.

2-BLACK ROCK DESERT REGION

17. Pilgrim Flat
18. Painter Flat
19. Dry V.
20. Sano V.
21. Smoke Creek Desert
22. San Emidio Desert
23. Granite Basin
24. Hualapai Flat
25. High Rock Lake V.
26. Mud Meadow
27. Summit Lake V.
28. Black Rock Desert
29. Pine Forest V.
30. Kings River V.
(A) Rio King Subarea
(B) Sod House Subarea
31. Desert V.
32. Silver State V.
33. Quinn River V.
(A) Orovida Subarea
(B) McDermitt Subarea

3-SNAKE RIVER BASIN

34. Little Owyhee River Area
35. South Fork Owyhee River Area
36. Independence V.
37. Owyhee River Area
38. Bruneau River Area
39. Jarbidge River Area
40. Salmon Falls Creek Area
41. Goose Creek Area

4-HUMBOLDT RIVER BASIN

42. Marys River Area
43. Starr V. Area
44. North Fork Area
45. Lamoille V.
46. South Fork Area
47. Huntington V.
48. Dixie Creek --
 Tenmile Creek Area
49. Elko Segment
50. Susie Creek Area
51. Maggie Creek Area
52. Marys Creek Area
53. Pine V.
54. Crescent V.
55. Carico Lake V.
56. Upper Reese River V.
57. Antelope V.
58. Middle Reese River V.
59. Lower Reese River V.
60. Whirlwind V.
61. Boulder Flat
62. Rock Creek V.
63. Willow Creek V.
64. Clovers Area
65. Pumpnickel V.
66. Kelly Creek Area
67. Little Humboldt V.
68. Hardscrabble Area
69. Paradise V.
70. Winnemucca Segment
71. Grass V.
72. Imlay Area
73. Lovelock V.
(A) Oreana Subarea
74. White Plains

5-WEST CENTRAL REGION

75. Bradys Hot Springs Area
76. Fernley Area
77. Fireball V.
78. Granite Springs V.
79. Kumiva V.

6-TRUCKEE RIVER BASIN

80. Winnemucca Lake V.
81. Pyramid Lake V.
82. Dodge Flat
83. Tracy Segment
84. Warm Springs V.

85. Spanish Springs V.
86. Sun V.
87. Truckee Meadows
88. Pleasant V.
89. Washoe V.
90. Lake Tahoe Basin
91. Truckee Canyon Segment

7-WESTERN REGION

92. Lemmon V.
(A) Western Part
(B) Eastern Part
93. Antelope V.
94. Bedell Flat
95. Dry V.
96. Newcomb Lake V.
97. Honey Lake V.
98. Skedaddle Creek V.
99. Red Rock V.
100. Cold Spring V.
(A) Long V.

8-CARSON RIVER BASIN

101. Carson Desert
(A) Packard V.
102. Churchill V.
103. Dayton V.
104. Eagle V.
105. Carson Valley

9-WALKER RIVER BASIN

106. Antelope V.
107. Smith V.
108. Mason V.
109. East Walker Area
110. Walker Lake V.
(A) Schurz Subarea
(B) Lake Subarea
(C) Whisky Flat --
 Hawthorne Subarea

10-CENTRAL REGION

111. Alkali V. (Mineral).
(A) Northern Part
(B) Southern Part
112. Mono V.
113. Huntoon V.
114. Teels Marsh V.
115. Adobe V.
116. Queen V.
117. Fish Lake V.
118. Columbus Salt Marsh V.
119. Rhodes Salt Marsh V.
120. Garfield Flat
121. Soda Spring V.
(A) Eastern Part
(B) Western Part
122. Gabbs V.
123. Rawhide Flats
124. Fairview V.
125. Stingaree V.
126. Cowkick V.
127. Eastgate V. Area
128. Dixie V.
129. Buena Vista V.
130. Pleasant V.
131. Buffalo V.
132. Jersey V.
133. Edwards Creek V.
134. Smith Creek V.
135. Ione V.
136. Monte Cristo V.
137. Big Smoky V.
(A) Tonopah Flat
(B) Northern Part
138. Grass V.
139. Kobeh V.
140. Monitor V.
(A) Northern Part
(B) Southern Part
141. Ralston V.
142. Alkali Spring V. (Esmeralda)
143. Clayton V.
144. Lida V.
145. Stonewall Flat
146. Sarcobatus Flat
147. Gold Flat
148. Cactus Flat
149. Stone Cabin V.
150. Little Fish Lake V.
151. Antelope V. (Eureka & Nye)
152. Stevens Basin
153. Diamond V.
154. Newark V.
155. Little Smoky V.
(A) Northern Part
(B) Central Part
(C) Southern Part
156. Hot Creek V.
157. Kawich V.
158. Emigrant V.
(A) Groom Lake V.
(B) Papoose Lake V.

159. Yucca Flat
160. Frenchman Flat
161. Indian Springs V.
162. Pahump V.
163. Mesquite V. (Sandy V.)
164. Ivanpah V.
(A) Northern Part
(B) Southern Part
165. Jean Lake V.
166. Hidden V. (South)
167. Eldorado V.
168. Three Lakes V. (Northern Part)
169. Tikapoo V. (Tickaboo V.)
(A) Northern Part
(B) Southern Part
170. Penoyer V. (Sand Spring V.)
171. Coal V.
172. Garden V.
173. Railroad V.
(A) Southern Part
(B) Northern Part
174. Jakes V.
175. Long V.
176. Ruby V.
177. Clover V.
178. Butte V.
(A) Northern Part (Round V.)
(B) Southern Part
179. Steptoe V.
180. Cave V.
181. Dry Lake V.
182. Delamar V.
183. Lake V.
184. Spring V.
185. Tippet V.
186. Antelope V. (White Pine & Elko)
(A) Southern Part
(B) Northern Part
187. Goshute V.
188. Independence V. (Pequop V.)

11-GREAT SALT LAKE BASIN

189. Thousand Springs V.
(A) Herrill Siding--Brush Creek Area
(B) Toano--Rock Spring Area
(C) Rocky Butte Area
(D) Montello--Crittenden Creek Area
(Montello V.)
190. Grouse Creek V.
191. Pilot Creek V.
192. Great Salt Lake Desert
193. Deep Creek V.
194. Pleasant V.
195. Snake V.
196. Hamlin V.

12-ESCALANTE DESERT

197. Escalante Desert

13-COLORADO RIVER BASIN

198. Dry V.
199. Rose V.
200. Eagle V.
201. Spring V.
202. Patterson V.
203. Panaca V.
204. Clover V.
205. Lower Meadow Valley Wash
206. Kane Springs V.
207. White River V.
208. Pahroc V.
209. Pahrnagat V.
210. Coyote Spring V.
211. Three Lakes V. (Southern Part)*
212. Las Vegas V.
213. Colorado V.
214. Piute V.
215. Black Mountains Area
216. Garnet V. (Dry Lake V.)*
217. Hidden V. (North)*
218. California Wash
219. Muddy River Springs Area (Upper Moapa V.)
220. Lower Moapa V.
221. Tule Desert
222. Virgin River V.
223. Gold Butte Area
224. Greasewood Basin

*Noncontributing part of the
Colorado River Basin

14-DEATH VALLEY BASIN

225. Mercury V.
226. Rock V.
227. Fortymile Canyon
(A) Jackass Flats
(B) Buckboard Mesa
228. Oasis V.
229. Crater Flat
230. Amargosa Desert
231. Grapevine Canyon
232. Oriental Wash

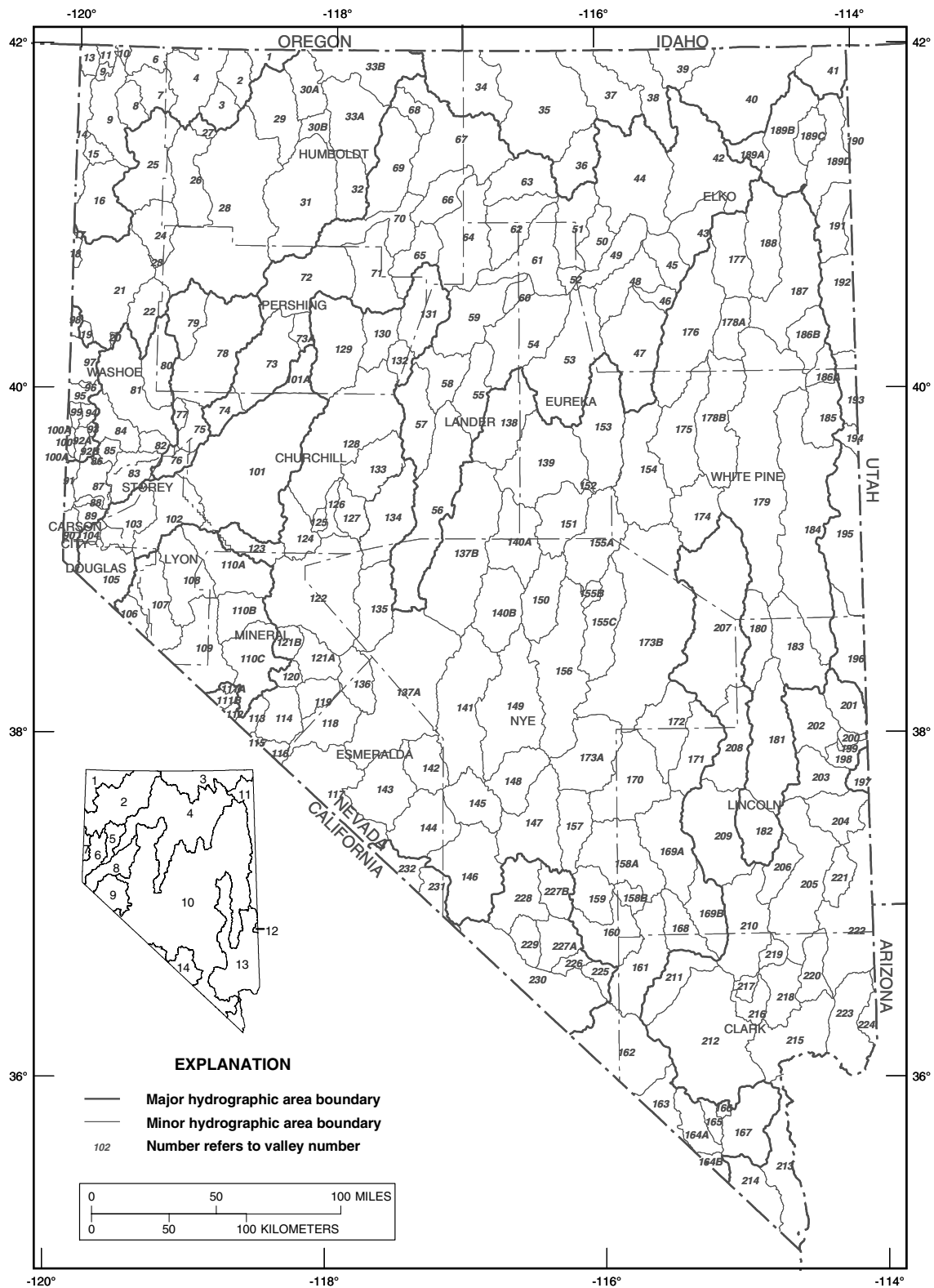


Figure 30. State of Nevada hydrographic areas.

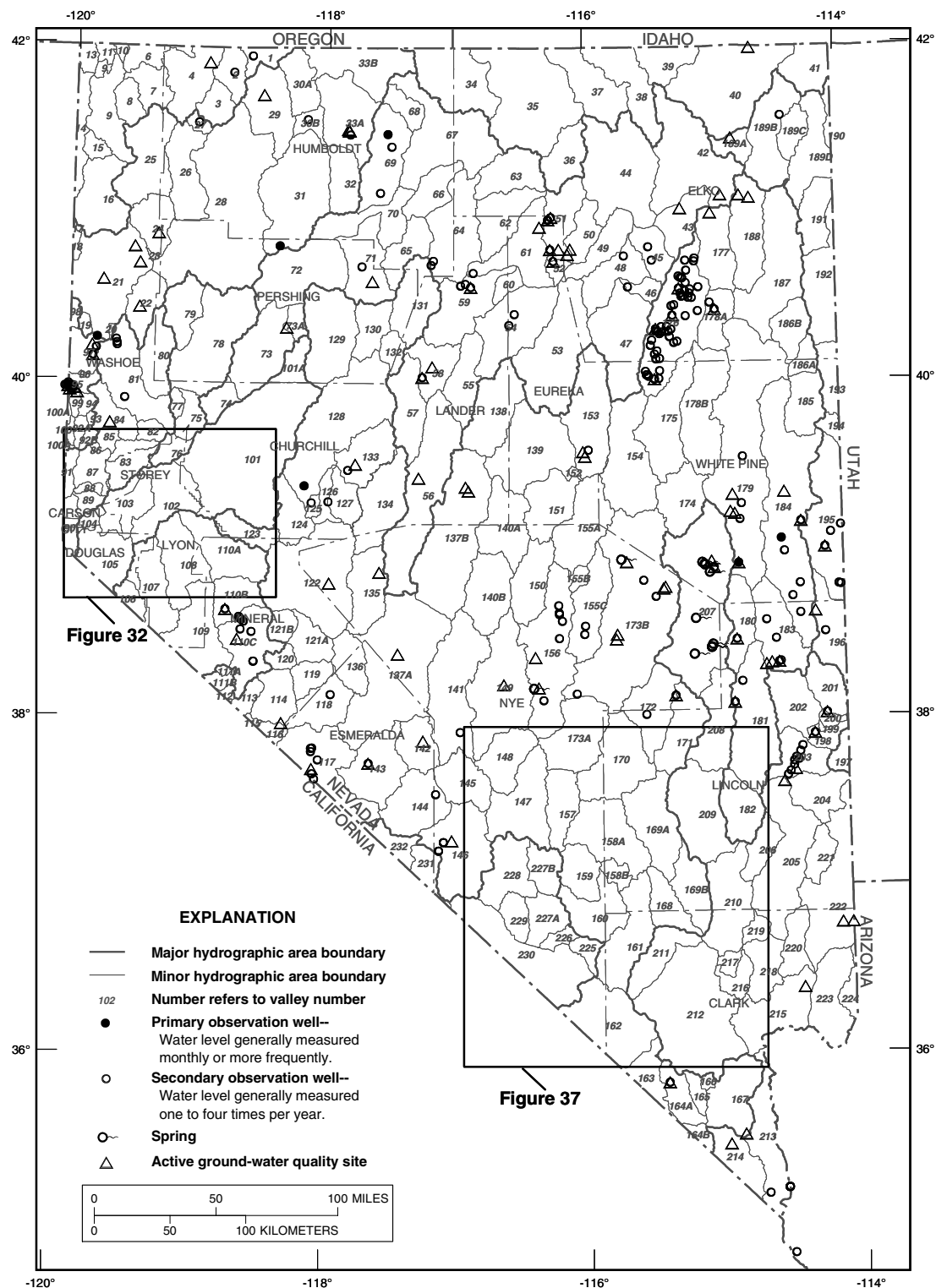


Figure 31. Ground-water sites listed in this report.

404901118223601. Local number, 31 N34 E22 16ABDC1.

AQUIFER.--Alluvium of Quaternary age.

DATUM.--Elevation of land-surface datum is 4,210 ft. above NGVD of 1929 from topographic map. Measuring point: Top of north edge of casing, 0.0 ft above land-surface datum.

PERIOD OF RECORD.--1990, 1991, January 1999 to February 1999 intermittent, March 1999 to August 1999, every three hours; August 1999 to February 2000, every two hours; March 2000 to current year, hourly.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

WTR YR 2003 HIGH 119.37 OCTOBER 7,9 LOW 119.68 JULY 23, SEPTEMBER 10,17

GROUND-WATER LEVELS, PRIMARY OBSERVATION WELLS

PARADISE VALLEY

412910117321001. Local number, 69 N42 E39 25CAC1.

LOCATION.--Lat 41°29'10", long 117°32'10", Hydrologic Unit 16040109, in Humboldt County.

AQUIFER.--Alluvium of Quaternary age.

INSTRUMENTATION.--Water-level recorder since June 1987, hourly.

DATUM.--Elevation of land-surface datum is 4,523 ft above NGVD of 1929, from topographic map. Measuring point: Angle iron 5.03 ft below land-surface datum.

REMARKS.--In Paradise Valley.

PERIOD OF RECORD.--1945, (unpublished and available in the files of the U. S. Geological Survey); 1946 through 1974, monthly; 1975, monthly (unpublished and available in the files of the U. S. Geological Survey); 1976 to 1987, monthly; 1987 to current year, hourly.

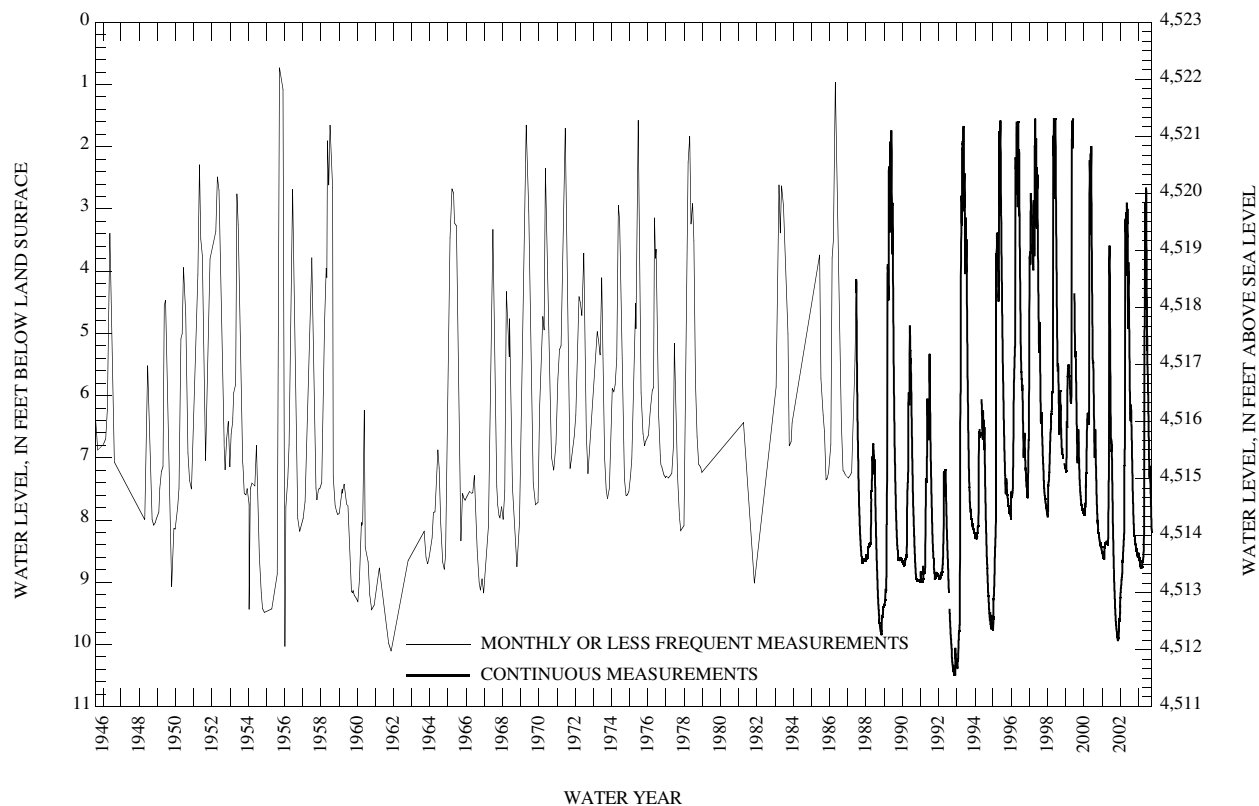
REVISED RECORDS.--WDR-NV-86-1: 1984-85.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.80 ft below land-surface datum, September 23, 1955; lowest measured, 11.03 ft below land-surface datum, November 16, 1961.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.09	8.39	8.52	8.59	8.69	8.77	8.67	5.68	4.57	5.37	6.84	7.45
10	8.17	8.39	8.53	8.60	8.72	8.72	8.64	4.97	2.77	5.58	7.12	7.59
15	8.24	8.43	8.56	8.58	8.74	8.75	8.59	4.17	3.25	5.70	7.30	7.75
20	8.29	8.46	8.57	8.62	8.76	8.75	8.52	3.03	3.91	5.94	7.27	7.89
25	8.32	8.47	8.59	8.64	8.78	8.73	8.43	3.62	4.47	6.22	7.14	8.05
EOM	8.36	8.50	8.53	8.66	8.77	8.68	7.88	4.24	5.02	6.58	7.27	8.18

WTR YR 2003 HIGH 2.64 JUNE 11 LOW 8.78 FEBRUARY 23-27 AND MARCH 1-3, 6



STEPTOE VALLEY

393310114475001. Local number, 179 N20 E64 32C2

LOCATION.--Lat 39°33'10" long 114°47'50", Hydrologic Unit 16060008, in White Pine County.

Owner: U. S. Geological Survey.

AQUIFER.--Alluvium of Quaternary age.

INSTRUMENTATION.--Water-level recorder August 1983 April 1998, hourly; January 1999 to January 2001, four times per hour; February 2001 to current year, hourly.

DATUM.--Elevation of land-surface datum is 6,037 ft above NGVD of 1929, from topographic map. Measuring point: Top of casing, 1.0 ft above land-surface datum or arrow on gage floor, 3.86 ft above land-surface datum.

REMARKS.--In Steptoe Valley.

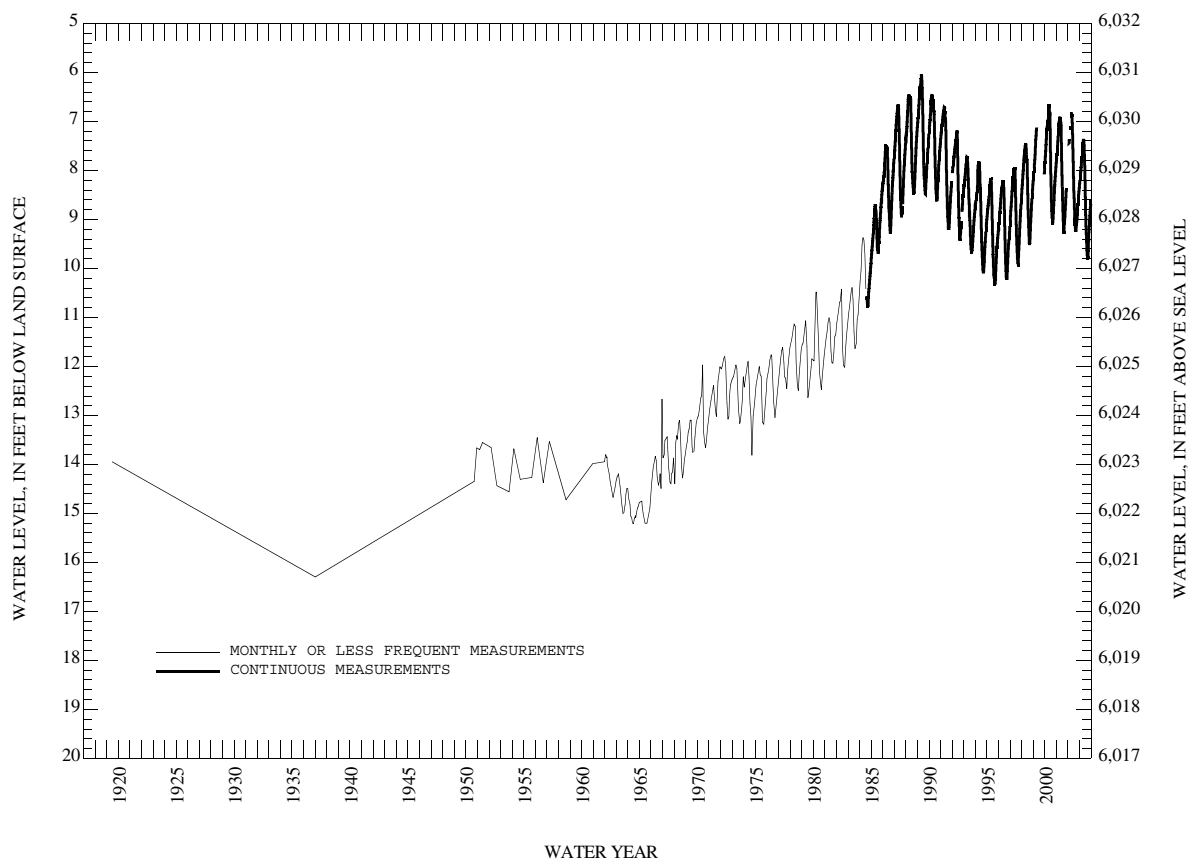
PERIOD OF RECORD.--1918, 1936, 1949 (unpublished and available in the files of the U.S. Geological Survey); 1950 through 1957, semiannually; 1959, yearly; January 1961 through September 1983, monthly; October 1983 to April 1998, hourly; May to December 1998, intermittent; January 1999 to January 2001, four times per hour; February 2001 to current year, hourly.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 6.03 ft below land-surface datum, May 5, 1988; lowest measured, 16.30 ft below land-surface datum, January 2, 1936.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.56	9.10	8.80	8.58	8.41	8.21	8.04	7.85	8.01	9.03	9.85	10.22
10	9.46	9.05	8.76	8.53	8.35	8.20	8.01	7.74	8.20	9.21	9.95	10.24
15	9.38	8.99	8.72	8.52	8.33	8.15	7.98	7.59	8.36	9.37	10.04	10.24
20	9.30	8.94	8.70	8.48	8.29	8.13	7.96	7.59	8.54	9.53	10.11	10.20
25	9.24	8.89	8.67	8.46	8.26	8.10	7.90	7.63	8.70	9.65	10.15	10.15
EOM	9.15	8.85	8.63	8.43	8.25	8.07	7.87	7.81	8.85	9.77	10.19	10.09

WTR YR 2003 HIGH 7.57 MAY 17-18 LOW 10.25 SEP 9-14



GROUND-WATER LEVELS, PRIMARY OBSERVATION WELLS

County codes--001, Churchill; 003, Clark; 023, Nye; 027, Pershing; 031, Washoe.

Depths, perforated interval, and elevation--Depths are referenced to land-surface datum (LSD). Elevation is that of LSD, with reference to sea level.

Water Level Status--Z, Other.

Water Level Method--S, steel tape; T, electric tape; V, calibrated electric tape.

Reporting Agency--NV003, Nevada Division of Water Resources; USGS, U.S. Geological Survey.

Locations of following sites are shown in figures 30, 33, 40, and 41.

Local Well No	Site Identification	First Available Water Level	County Code	Well Depth	Perforated Interval (feet)		Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)					Reporting Agency
					Top	Bottom		Date	Feet	Status	Method		
097 N28 E20 31BACD1	401528119470501	09/26/1988	031	330.	317.	330.	4178.	10/21/2002	251.06		S	USGS	
								11/25/2002	251.15		S	USGS	
								01/06/2003	251.15		S	USGS	
								02/18/2003	251.34		S	USGS	
								04/11/2003	251.13		S	USGS	
								05/19/2003	251.17		S	USGS	
								06/30/2003	251.16		S	USGS	
								08/12/2003	251.14		S	USGS	
								09/22/2003	251.20		S	USGS	
101 N19 E29 03CCDA1	393205118431501	09/06/2001	001	545.	528.	538.	3935.	10/17/2002	26.3		T	USGS	
								01/29/2003	23.8		T	USGS	
								02/26/2003	23.5		T	USGS	
								04/03/2003	23.6		T	USGS	
								07/22/2003	26.4		T	USGS	
								08/27/2003	26.7		T	USGS	
101 N19 E29 03CCDA2	393205118431502	09/06/2001	001	463.	438.	458.	3935.	10/17/2002	27.9		T	USGS	
								01/29/2003	25.7		T	USGS	
								02/26/2003	25.4		T	USGS	
								04/03/2003	25.7		T	USGS	
								07/22/2003	27.7		T	USGS	
								08/27/2003	28.0		T	USGS	
101 N19 E29 03CCDA3	393205118431503	09/06/2001	001	318.	288.	308.	3935.	10/17/2002	26.3		T	USGS	
								01/29/2003	23.9		T	USGS	
								02/26/2003	23.6		T	USGS	
								04/03/2003	23.7		T	USGS	
								07/22/2003	26.4		T	USGS	
								08/27/2003	26.6		T	USGS	
101 N19 E29 21ABDD1	393003118434601	09/06/2002	001	880.	840.	870.	3944.	10/17/2002	39.9		T	USGS	
								01/29/2003	37.3		T	USGS	
								02/26/2003	37.0		T	USGS	
								04/01/2003	37.3		T	USGS	
								07/22/2003	40.2		T	USGS	
								08/27/2003	40.4		T	USGS	
101 N19 E29 21ABDD2	393003118434602	09/06/2002	001	780.	750.	770.	3944.	10/17/2002	38.5		T	USGS	
								01/29/2003	39.0		T	USGS	
								02/26/2003	35.7		T	USGS	
								04/01/2003	36.0		T	USGS	
								07/22/2003	38.9		T	USGS	
								08/27/2003	39.2		T	USGS	
101 N19 E29 21ABDD3	393003118434603	09/06/2002	001	595.	570.	585.	3944.	10/17/2002	38.1		T	USGS	
								01/29/2003	35.5		T	USGS	
								02/26/2003	35.2		T	USGS	
								04/01/2003	35.6		T	USGS	
								07/22/2003	38.5		T	USGS	
								08/27/2003	38.7		T	USGS	
101 N19 E29 32BDDDB1	392810118451501	08/29/2001	001	755.	740.	750.	3955.	10/17/2002	45.6		T	USGS	
								01/29/2003	43.0		T	USGS	
								02/26/2003	42.7		T	USGS	
								04/01/2003	43.0		T	USGS	
								07/22/2003	45.8		T	USGS	
								08/27/2003	46.1		T	USGS	

GROUND-WATER LEVELS, PRIMARY OBSERVATION WELLS--Continued

Local Well No	Site Identification	First Available Water Level	County Code	Well Depth	Perforated Interval (feet)		Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)					Reporting Agency
					Top	Bottom		Date	Feet	Status	Method		
101 N19 E29 32BDDDB2	392810118451502	08/29/2001	001	725.	710.	720.	3955.	10/17/2002	44.2		T	USGS	
								01/29/2003	41.6		T	USGS	
								02/26/2003	41.3		T	USGS	
								04/01/2003	41.6		T	USGS	
								07/22/2003	44.5		T	USGS	
								08/27/2003	44.8		T	USGS	
101 N19 E29 32BDDDB3	392810118451503	08/29/2001	001	583.	568.	578.	3955.	10/17/2002	44.2		T	USGS	
								01/29/2003	41.5		T	USGS	
								02/26/2003	41.3		T	USGS	
								04/01/2003	41.6		T	USGS	
								07/22/2003	44.5		T	USGS	
								08/27/2003	44.8		T	USGS	
101 N20 E29 33CCBB1	393306118443101	03/13/2002	001	463.	433.	463.	3940.	10/17/2002	29.7		T	USGS	
								01/29/2003	27.4		T	USGS	
								02/26/2003	27.0		T	USGS	
								04/01/2003	27.0		T	USGS	
								06/23/2003	28.4		T	USGS	
								07/22/2003	29.5		T	USGS	
								08/27/2003	29.9		T	USGS	
101 N20 E29 33CCBB2	393306118443102	03/13/2002	001	405.	395.	405.	3940.	10/17/2002	29.8		T	USGS	
								01/29/2003	27.5		T	USGS	
								02/26/2003	27.2		T	USGS	
								04/01/2003	27.3		T	USGS	
								06/23/2003	28.4		T	USGS	
								07/22/2003	29.9		T	USGS	
								08/27/2003	30.1		T	USGS	
101 N20 E29 33CCBB3	393306118443103	03/13/2002	001	280.	260.	280.	3940.	10/17/2002	19.6		T	USGS	
								01/29/2003	17.9		T	USGS	
								02/26/2003	17.6		T	USGS	
								04/01/2003	17.4		T	USGS	
								06/23/2003	17.6		T	USGS	
								07/22/2003	18.8		T	USGS	
								08/27/2003	19.4		T	USGS	
101 N20 E29 33CCBB4	393306118443104	03/13/2002	001	81.	61.	81.	3940.	10/17/2002	11.9		T	USGS	
								01/29/2003	11.2		T	USGS	
								02/26/2003	11.2		T	USGS	
								04/01/2003	11.2		T	USGS	
								06/23/2003	10.9		T	USGS	
								07/22/2003	11.8		T	USGS	
								08/27/2003	11.9		T	USGS	
128 N18 E34 28CCD 1	392323118095001	04/18/1976	001	475.	265.	405.	4100.	10/28/2002	210.73		S	USGS	
								12/02/2002	210.85		S	USGS	
								01/15/2003	211.16		S	USGS	
								02/24/2003	210.79		S	USGS	
								03/31/2003	210.9		S	USGS	
								05/12/2003	210.91		S	USGS	
								07/07/2003	210.84		S	USGS	
								08/06/2003	210.84		S	USGS	
								09/15/2003	210.86		S	USGS	
159 S09 E52 12 1	371019116072101	01/23/2003	023	6883.	2964.	6883.	4705.3	01/23/2003	397.7	Z	V	USGS	
								01/27/2003	343.9		V	USGS	
								03/03/2003	214.7		V	USGS	
								03/10/2003	205.4		V	USGS	
								04/10/2003	252.2		V	USGS	
212 S20 E61 04CDDD1	361346115095501	06/16/1965	003	300.	115.	270.	2107.	10/01/2002	99.7		T	NV003	
								10/08/2002	99.8		T	NV003	
								10/14/2002	99.8		T	NV003	
								10/21/2002	99.9		T	NV003	
								10/28/2002	99.93		S	NV003	
								11/04/2002	100.01		S	NV003	
								11/12/2002	99.8		T	NV003	
								11/20/2002	99.5		T	NV003	

GROUND-WATER LEVELS, PRIMARY OBSERVATION WELLS--Continued

Local Well No	Site Identification	First Available Water Level	County Code	Well Depth	Perforated Interval (feet)		Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)					Reporting Agency
					Top	Bottom		Date	Feet	Status	Method		
212 S20 E61 04CDDD1	361346115095501	06/16/1965	003	300.	115.	270.	2107.	11/25/2002	99.1		T	NV003	
								12/02/2002	98.9		T	NV003	
								12/09/2002	98.68		S	NV003	
								12/16/2002	98.13		S	NV003	
								12/23/2002	97.8		T	NV003	
								12/30/2002	97.70		S	NV003	
								01/08/2003	97.5		T	NV003	
								01/14/2003	97.2		T	NV003	
								01/21/2003	97.0		T	NV003	
								212 S20 E61 20CC 2	361124115105801	04/23/1953	003	210.	70.
10/08/2002	32.1		T	NV003									
10/14/2002	31.9		T	NV003									
10/21/2002	31.6		T	NV003									
10/28/2002	31.21		S	NV003									
11/04/2002	30.67		S	NV003									
11/12/2002	30.4		T	NV003									
11/20/2002	30.1		T	NV003									
11/25/2002	29.8		T	NV003									
12/02/2002	29.5		T	NV003									
12/09/2002	29.46		S	NV003									
12/16/2002	28.85		S	NV003									
12/23/2002	28.6		T	NV003									
12/30/2002	28.20		S	NV003									
01/08/2003	28.1		T	NV003									
01/14/2003	27.9		T	NV003									
212 S20 E62 07DAAC1	361324115045201	08/04/1962	003	315.	50.	315.	1873.	01/21/2003	27.7		T	NV003	
								10/01/2002	79.6		T	NV003	
								10/08/2002	79.3		T	NV003	
								10/14/2002	79.2		T	NV003	
								10/21/2002	78.9		T	NV003	
								10/28/2002	78.91		S	NV003	
								11/04/2002	78.77		S	NV003	
								11/12/2002	79.0		T	NV003	
								11/20/2002	78.8		T	NV003	
								11/25/2002	78.7		T	NV003	
								12/02/2002	78.6		T	NV003	
								12/09/2002	78.56		S	NV003	
								12/16/2002	77.75		S	NV003	
								12/23/2002	78.3		T	NV003	
								12/30/2002	78.31		S	NV003	
								01/08/2003	78.2		T	NV003	
212 S20 E62 21CAB 1	361131115031601	06/12/1956	003	357	8000		1782.	01/14/2003	78.1		T	NV003	
								01/21/2003	78.1		T	NV003	
								10/01/2002	45.76		S	NV003	
								10/08/2002	45.68		S	NV003	
								10/14/2002	45.75		S	NV003	
								10/21/2002	45.53		S	NV003	
								10/28/2002	45.1		S	NV003	
								11/04/2002	45.01		S	NV003	
								11/12/2002	44.88		S	NV003	
								11/20/2002	44.64		S	NV003	
11/25/2002	44.35		S	NV003									
12/02/2002	44.39		S	NV003									
12/09/2002	44.00		S	NV003									
12/16/2002	43.61		S	NV003									
12/23/2002	43.44		S	NV003									
12/30/2002	43.27		S	NV003									
01/08/2003	43.26		S	NV003									
01/14/2003	43.14		S	NV003									
01/21/2003	43.04		S	NV003									

GROUND-WATER LEVELS, PRIMARY OBSERVATION WELLS--Continued

Local Well No	Site Identification	First Available Water Level	County Code	Well Depth	Perforated Interval (feet)		Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)					Reporting Agency
					Top	Bottom		Date	Feet	Status	Method		
230 025N004E21M002S	361724116324202	10/31/1986	027	440.	430.	440.	2703.2	10/25/2002	374.70		S	USGS	
								11/06/2002	374.90		S	USGS	
								12/13/2002	374.90		S	USGS	
								01/28/2003	374.90		S	USGS	
								02/26/2003	374.70		S	USGS	
								03/12/2003	374.80		S	USGS	
								04/23/2003	374.80		S	USGS	
								05/20/2003	374.90		S	USGS	
								06/12/2003	374.70		S	USGS	
								07/22/2003	374.70		S	USGS	
								08/19/2003	374.80		S	USGS	
								09/15/2003	374.80		S	USGS	
								230 026N005E05E002S	362525116274302	08/01/1986	027	23.	20.
11/07/2002	29.69		S	USGS									
12/04/2002	29.32		S	USGS									
01/16/2003	28.93		S	USGS									
02/24/2003	29.68		S	USGS									
03/07/2003	28.62		S	USGS									
04/03/2003	28.45		S	USGS									
05/20/2003	28.25		S	USGS									
06/16/2003	28.68		S	USGS									
07/22/2003	29.49		S	USGS									
08/12/2003	29.94		S	USGS									
09/29/2003	30.49		S	USGS									
230 S14 E47 32DA 2	364141116351402	08/03/1986	023	320.	317.	320.	2627.9						
								11/12/2002	269.93		S	USGS	
								12/09/2002	269.93		S	USGS	
								01/28/2003	269.92		S	USGS	
								02/07/2003	269.92		S	USGS	
								03/07/2003	269.86		S	USGS	
								04/23/2003	269.86		S	USGS	
								05/27/2003	269.94		S	USGS	
								06/27/2003	269.95		S	USGS	
								07/28/2003	269.95		S	USGS	
								08/12/2003	269.90		S	USGS	
								09/25/2003	269.95		S	USGS	
								230 S19 E50 01BBD 2	361954116181202	10/29/1986	023	160.	157.
11/06/2002	81.05		S	USGS									
12/13/2002	81.03		S	USGS									
01/16/2003	81.09		S	USGS									
02/06/2003	81.02		S	USGS									
03/27/2003	80.88		S	USGS									
04/04/2003	80.88		S	USGS									
05/20/2003	80.87		S	USGS									
06/12/2003	80.84		S	USGS									
07/22/2003	80.84		S	USGS									
08/12/2003	80.82		S	USGS									
09/15/2003	80.78		S	USGS									

GROUND-WATER LEVELS, SECONDARY OBSERVATION WELLS

County code--001, Churchill; 003, Clark; 007, Elko; 009, Esmeralda; 011, Eureka; 015, Lander; 019, Lyon; 021, Mineral; 023, Nye; 027, Pershing; 031, Washoe; 033, White Pine.

Independent City code: 510, Carson City.

Depths, perforated interval, and elevation--Depths are referenced to land-surface datum (LSD). Elevation is that of LSD, with reference to sea level.

Water Level--Levels above LSD are listed as negative values.

Water Level Status--D, site was dry (no water level was recorded); F, site was flowing. Water level or head could not be measured without additional equipment;

O, obstruction was encountered in the well (no water level was recorded); P, site was being pumped; R, site had been pumped recently;

S, site that taps the same aquifer was being pumped; T, nearby site that taps the same aquifer had been pumped recently;

V, foreign substance was present on the surface of the water; X, water level was affected by stage in nearby surface-water site; Z, other.

Water Level Method--C, calibrated airline; R, reported; S, steel tape; T, electric tape; V, calibrated electric tape.

Reporting Agency--NV003, Nevada Division of Water Resources; USGS, U.S. Geological Survey.

Locations of following sites are shown in figures 30, 32, 35, 39, 40, and 41.

Local Well No	Site Identification	First Available Water Level	County Code	Well Depth	Perforated Interval (feet)		Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)					Reporting Agency
					Top	Bottom		Date	Feet	Status	Method		
(B-16-21)05bbb 1	344828114321001	10/24/2002	015	17.92	7.92	17.92	457.08	10/24/2002	6.57		S	USGS	
001 N47 E30 15CDCD1	415800118370001	04/14/1993	013	200.			4380.	03/21/2003	54.88		S	NV003	
002 N45 E28 10CAB 1	415000118440001	04/14/1993	013	48.			4228.	03/21/2003	6.32		S	NV003	
027 N42 E26 20ADBA1	413243119014601	07/23/2002	013	300.			5965.	10/22/2002	93.92		S	USGS	
030B N43 E34 28DBBB1	413412118100201	03/21/1995	013				4125.	03/17/2003	14.99		S	NV003	
033A N42 E37 32AAAC1	412854117495001	03/26/1987	013	250.	150.	250.	4200.	04/01/2003		P		USGS	
045 N33 E58 19ADDD1	404350115281001	06/15/1944	007	16.			5950.	04/11/2003	16.43		S	USGS	
045 N34 E57 24CDDD1	404822115300801	06/28/1955	007	97.			5550.	04/11/2003		F		USGS	
046 N31 E56 16ADDA1	403400115400001	03/08/1991	007	193.			5650.	04/11/2003	97.69		S	USGS	
048 N33 E56 08CAAD1	404521115395801	05/28/1954	007	12.			5290.	04/11/2003	8.19		S	USGS	
054 N29 E48 03BCDD1	402450116324001	03/22/2002	011	53.			4735.	04/16/2003		F		USGS	
054 N29 E48 29CCCD1	402100116352001	03/19/1980	011	300.			4797.	04/16/2003	49.16		S	USGS	
059 N31 E44 01DBDD1	403520117181101	03/13/1991	015	52.			4560.	04/16/2003		D		USGS	
059 N31 E45 05ABBD1	403539116553201	04/14/1983	015	6.			4545.	04/16/2003		D		USGS	
061 N32 E45 11DACA1	403920116520001	03/24/1970	015	197.			4518.	04/16/2003	10.48		S	USGS	
064 N33 E42 25ACAD1	404228117113201	10/23/2002	013				5480.	10/23/2002	443		R	USGS	
064 N33 E43 18DBCB1	404357117103301	10/21/2002	013	775.			5060.	10/21/2002	714		R	USGS	
069 N38 E39 28CDDD1	410806117353501	04/07/1982	013	256.			4317.	04/07/2003	34.43		S	USGS	
069 N41 E40 30AABB1	412421117303301	03/21/2002	013	27.			4414.	04/02/2003	6.73		S	USGS	
071 N33 E38 32BABB1	404138117441501	03/27/1987	027	55.			4431.	04/01/2003	38.46		S	USGS	
081 N24 E22 31CCCC2	395357119333401	03/22/1994	031	226.			3986.	03/19/2003	17.83		S	USGS	
081 N27 E21 09BDAC1	401352119380201	03/16/1981	031	47.	45.	47.	3845.	05/19/2003	14.61		S	NV003	
081 N27 E21 16ABCD1	401245119374401	03/15/1988	031	44.	42.	44.	3838.	05/19/2003	19.52		S	NV003	
081 N28 E21 33CCDC1	401443119381201	03/17/1987	031	60.	58.	60.	3865.	05/19/2003	25.13		S	NV003	
085 N20 E20 03BCCC1	393744119435101	10/13/1992	031	379.			4595.	03/19/2003	71.92		S	USGS	
085 N20 E20 10CDAB1	393637119432901	06/16/1993	031	105.	59.	99.	4492.	03/19/2003	35.35		S	USGS	
085 N20 E20 11BDDA1	393655119421901	11/16/1992	031	160.	80.	160.	4462.	03/19/2003	4.56		S	USGS	
089 N16 E19 14DCCD1	391439119485301	03/14/2001	031	83.	70.	90.	5030.	03/20/2003	7.14	X	S	USGS	
089 N16 E19 15DADB1	391458119493801	09/12/1993	031	130.	100.	130.	5080.	03/20/2003	9.14	R	S	USGS	
089 N16 E19 35ACD 1	391233119484501	09/05/1991	510	76.	52.	72.	5220.	10/22/2002	15.55		S	NV003	
								01/29/2003	6.70		S	NV003	
089 N16 E19 35ACD 2	391233119484502	07/02/1992	510	220.			5240.	10/22/2002	1.58		S	NV003	
								01/29/2003	2.50		S	NV003	
								04/01/2003	2.06		S	NV003	
089 N16 E19 35ADC 1	391232119483401	01/04/1994	510	116.	50.	116.	5250.	10/22/2002	35.37		S	NV003	
								01/29/2003	24.68		S	NV003	
								04/01/2003	27.85		S	NV003	
092A N20 E18 02DDDD1	393718119550601	01/04/1990	031	170.	100.	170.	5222.	10/24/2002	36.93		S	NV003	
								01/23/2003	34.25		S	NV003	
								04/04/2003	29.50		S	NV003	
								07/28/2003	34.15		S	NV003	
092A N21 E18 23AADD1	394034119554301	07/01/1992	031	570.	280.	570.	5130.	10/24/2002	202.73		S	NV003	
								01/23/2003	198.55		S	NV003	
								04/07/2003	199.10		S	NV003	
								07/28/2003	218.20		S	NV003	
								09/25/2003	223.15		S	NV003	
092A N21 E18 25CBBA1	393929119551001	07/07/2000	031	116.	91.	111.	4990.	10/24/2002	50.43		S	NV003	
								01/23/2003	48.32		S	NV003	
								04/04/2003	47.40		S	NV003	
								07/28/2003	51.79		S	NV003	

GROUND-WATER LEVELS, SECONDARY OBSERVATION WELLS--Continued

Local Well No	Site Identification	First Available Water Level	County Code	Well Depth	Perforated Interval (feet)		Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)					Reporting Agency
					Top	Bottom		Date	Feet	Status	Method		
092A N21 E18 36ADDD1	393839119544101	07/28/2003	031	150.	148.	150.	4968.	10/24/2002	5.23		S	NV003	
								04/07/2003	5.38		S	NV003	
								07/28/2003	5.48		S	NV003	
092A N21 E19 18BCBA1	394120119550901	07/06/1994	031	810.			5041.	10/30/2002	119.05		S	NV003	
								04/11/2003	95.79		S	NV003	
								07/28/2003	125.45		S	NV003	
092A N21 E19 20BDGD1	394022119541201	03/31/1995	031	65.	65.	67.	5025.	10/24/2002	52.69		S	NV003	
								01/24/2003	52.78		S	NV003	
								04/07/2003	52.84		S	NV003	
								07/28/2003	53.01		S	NV003	
092A N21 E19 20DBDA1	394013119521001	04/09/1993	031	87.	85.	87.	5040.	10/24/2002	54.6		S	NV003	
								01/24/2003	54.78		S	NV003	
								04/07/2003	54.83		S	NV003	
								07/28/2003	55.35		S	NV003	
092B N20 E19 05DAAD1	393737119514801	07/07/1993	031				5020.	10/24/2002	52.90		S	NV003	
								01/24/2003	49.79		S	NV003	
								04/04/2003	48.64		S	NV003	
								07/28/2003	52.63		S	NV003	
092B N20 E19 08DDCB1	393630119520201	07/14/1978	031	387.			5170.	10/24/2002		O		NV003	
092B N20 E19 10BCAD1	393700119501101	07/02/1996	031				5070.	10/24/2002	92.53		S	NV003	
								01/24/2003	86.18		S	NV003	
								04/07/2003	85.92		S	NV003	
								07/28/2003		P		NV003	
092B N20 E19 11BCAA1	393704119491801	07/07/1995	031				5125.	10/24/2002	93.90		S	NV003	
								07/28/2003	97.15		S	NV003	
092B N21 E19 15BACD1	394126119502101	06/21/1984	031				5025.	10/24/2002		O		NV003	
092B N21 E19 22DBAA1	394017119500201	10/06/1988	031	150.	148.	150.	4919.	10/24/2002	63.29		S	NV003	
								01/24/2003	60.93		S	NV003	
								04/04/2003	60.30		S	NV003	
								07/28/2003	65.65		S	NV003	
092B N21 E19 24BADD1	394034119480401	07/01/1996	031				4983.	10/24/2002	108.58		S	NV003	
								01/23/2003	108.89		S	NV003	
								01/24/2003	108.89		S	NV003	
								04/04/2003	109.05		S	NV003	
								07/28/2003	109.55		S	NV003	
092B N21 E19 26CCDB1	393907119493101	07/05/1989	031	62.	60.	62.	4919.	10/24/2002	56.65		S	NV003	
								01/24/2003	54.10		S	NV003	
								04/04/2003	53.04		S	NV003	
								07/28/2003	57.35		S	NV003	
092B N21 E19 28CBCC1	393921119515001	04/08/1994	031	53.	51.	53.	4930.	10/24/2002	21.58		S	NV003	
								01/24/2003	19.76		S	NV003	
								04/04/2003	18.82		S	NV003	
								07/28/2003	22.47		S	NV003	
092B N21 E19 29DACB1	393920119520701	01/07/1992	031	84.	82.	84.	5035.	10/24/2002	43.84		S	NV003	
								01/24/2003	44.21		S	NV003	
								04/04/2003	44.38		S	NV003	
								07/28/2003	44.37		S	NV003	
097 N27 E19 24ADDD1	401138119472301	04/04/1989	031	180.	168.	180.	4010.	04/11/2003	61.72		S	USGS	
101 N18 E29 30BCBD1	392348118464401	04/20/1995	001	29.	27.	29.	3942.16	09/03/2003	3.19		S	USGS	
101 N19 E28 36AABC1	392825118470501	04/04/1994	001	540.	505.	540.	3962.23	10/30/2002	51.06		S	USGS	
103 N15 E20 15BDGA1	391004119433301	07/14/1995	510	105.	85.	105.	4620.	10/23/2002	6.70		S	NV003	
								01/29/2003	5.93		S	NV003	
								04/01/2003	6.22		S	NV003	
								07/29/2003	8.96		S	NV003	
103 N17 E23 10ABCD1	392126119230901	04/11/1983	019	88.			4276.98	03/17/2003	61.54		S	USGS	
103 N17 E23 10BABD1	392132119232501	03/31/1990	019	300.	234.	300.	4285.5	03/17/2003	70.35		S	USGS	
103 N17 E23 11DBAB1	392112119215801	03/24/1992	019	180.			4288.	03/17/2003	69.63		S	USGS	
103 N17 E23 18DDAD1	391959119260601	03/17/2003	019	155	300	155.00	4287.00	03/17/2003		D		USGS	
103 N17 E23 26CCCC1	391812119224001	03/17/2003	019	176.	156.	176.	4298.	03/17/2003	64.23		S	USGS	
103 N17 E23 27ABAC1	391857119230701	03/11/1981	019	220.	180.	220.	4286.	03/17/2003	57.51		S	USGS	

GROUND-WATER LEVELS, SECONDARY OBSERVATION WELLS--Continued

Local Well No	Site Identification	First Available Water Level	County Code	Well Depth	Perforated Interval (feet)		Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)					Reporting Agency
					Top	Bottom		Date	Feet	Status	Method		
104 N15 E19 13ADDD1	390955119471601	04/01/2003	510	127.	60.	120.	4800.	10/22/2002	22.64		S	NV003	
								01/29/2003	22.75		S	NV003	
								04/01/2003	24.37		S	NV003	
								07/29/2003	26.70		S	NV003	
104 N15 E20 02CACC2	391125119423002	07/05/1994	510	39.	37.	39.	4639.	10/23/2002		F		NV003	
								01/29/2003		F		NV003	
								04/01/2003		F		NV003	
								07/29/2003		F		NV003	
104 N15 E20 04DBDD1	391126119441901	03/05/1991	510	89.	68.	88.	4682.	10/22/2002	14.62		S	NV003	
								01/29/2003	14.14		S	NV003	
								04/01/2003	14.00		S	NV003	
								07/29/2003	13.98		S	NV003	
104 N15 E20 04DBDD2	391126119441902	09/05/1991	510	33.	30.	32.	4682.	10/22/2002	15.46		S	NV003	
								01/29/2003	15.00		S	NV003	
								04/01/2003	14.88		S	NV003	
								07/29/2003	14.82		S	NV003	
104 N15 E20 05BBCA1	391155119460401	06/04/1991	510	102.	82.	102.	4737.	10/22/2002	30.90		S	NV003	
								01/29/2003	21.19		S	NV003	
								04/01/2003	20.36		S	NV003	
								07/29/2003	40.97		S	NV003	
104 N15 E20 05BBCA2	391155119460402	10/06/1992	510	62.			4737.	10/22/2002	38.99		S	NV003	
								01/29/2003	24.53		S	NV003	
								04/01/2003	24.49		S	NV003	
								07/29/2003	38.58		S	NV003	
104 N15 E20 06BDBD1	391149119465201	07/11/2001	510	460.	100.	440.	4750.	10/22/2002	47.54		S	NV003	
								01/29/2003	34.56		S	NV003	
								04/01/2003	32.77		S	NV003	
								07/29/2003	49.72		S	NV003	
104 N15 E20 07BBAB1	391110119470501	01/03/1996	510	150.			4800.	10/23/2002	87.94		S	NV003	
								01/29/2003	85.74		S	NV003	
								07/29/2003	86.30		S	NV003	
104 N15 E20 16BDBB1	391004119444901	10/04/1988	510	105.	82.	102.	4641.	10/23/2002	14.91		S	NV003	
								01/29/2003	6.83		S	NV003	
								07/29/2003	14.95		S	NV003	
104 N15 E20 17CBBA1	390954119460401	01/04/1991	510	102.	82.	102.	4680.	10/23/2002	10.19		S	NV003	
								01/29/2003	2.90		S	NV003	
								04/01/2003	5.58		S	NV003	
								07/29/2003	7.52		S	NV003	
104 N15 E20 18BDDA1	390958119464301	08/02/1990	510	102.	82.	102.	4739.	10/23/2002	14.95		S	NV003	
								01/29/2003	6.56		S	NV003	
								04/01/2003	7.38		S	NV003	
								07/29/2003	9.15		S	NV003	
104 N15 E20 29DAAB1	390807119450901	11/05/1990	510	105.	80.	100.	4698.	10/22/2002	53.73		S	NV003	
								01/29/2003	44.18		S	NV003	
								04/09/2003	46.87		S	NV003	
								07/29/2003	61.65		S	NV003	
104 N15 E20 32BDAA1	390728119453801	03/05/1991	510	105.	82.	102.	4720.	10/22/2002	44.50		S	NV003	
								01/29/2003	41.58		S	NV003	
								07/29/2003	47.18		S	NV003	
104 N16 E20 33CCDD1	391205119444901	09/05/1991	510	118.	94.	118.	4732.	10/22/2002	42.22		S	NV003	
								01/29/2003	41.55		S	NV003	
								04/01/2003	41.60		S	NV003	
								07/29/2003	41.93		S	NV003	
107 N10 E24 08CBCA1	384426119194601	04/02/1987	019	504.	100.	504.	4950.	02/25/2003	126.16		S	NV003	
107 N10 E24 09BACC1	384459119174401	03/15/1978	019	652.	78.	574.	4915.	03/18/2003	161.80		S	USGS	
107 N10 E24 16ACCC1	384350119172301	03/02/1995	019	486.	196.	486.	5000.	02/25/2003	181.50		S	NV003	
107 N10 E24 17CCAA1	384326119193701	03/08/1996	019	490.	150.	490.	4980.	02/25/2003	184.40		S	NV003	
107 N10 E24 18BACD1	384356119203501	03/03/2000	019	536.	198.	536.	5000.	02/25/2003	196.20		S	NV003	
107 N11 E23 01CCCC1	385016119214801	03/08/1993	019	128.	108.	128.	4790.	02/24/2003	29.98		S	NV003	
107 N11 E23 02ADDD1	385040119212301	03/02/1995	019	537.	147.	537.	4780.	02/24/2003	56.31		S	NV003	
107 N11 E23 02BBCC1	385057119220701	03/20/1998	019	412.	96.	412.	4797.	02/24/2003	42.62		S	NV003	
107 N11 E23 02CCBB1	385030119220501	03/20/1998	019	546.	138.	546.	4800.	02/24/2003	69.60		S	NV003	

GROUND-WATER LEVELS, SECONDARY OBSERVATION WELLS--Continued

Local Well No	Site Identification	First Available Water Level	County Code	Well Depth	Perforated Interval (feet)			Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)					Reporting Agency
					Top	Bottom			Date	Feet	Status	Method		
107 N11 E23 03CBBC1	385035119240001	02/27/2002	019	580.	165.	580.		4881.	02/24/2003	147.60		S		NV003
107 N11 E23 10ACBB1	385001119223901	03/02/1999	019	385.	100.	385.		4840.	02/24/2003	103.36		S		NV003
107 N11 E23 12CBBB1	384949119204901	02/27/2002	019	585.	230.	585.		4790.	02/24/2003	58.30		S		NV003
107 N11 E23 15CBAA1	384855119234801	03/19/1990	019	510.	130.	510.		4820.	02/24/2003	54.14		S		NV003
107 N11 E23 23BCBB1	384830119220501	03/10/2000	019	420.	100.	420.		4800.	02/24/2003	57.55		S		NV003
107 N11 E23 24DDDD1	384743119204901	03/01/1999	019	760.	240.	760.		4760.	02/24/2003	21.92		S		NV003
107 N11 E24 32BBDD1	384637119192201	03/05/1997	019	580.	100.	580.		4830.	02/25/2003	81.52		S		NV003
107 N11 E24 32CBAD1	384619119192301	03/23/1992	019	140.				4845.	03/18/2003	85.8		T		USGS
107 N12 E23 24CB 1	385314119205901	03/18/2003	019	287.				4745.	03/18/2003	12.01		S		USGS
107 N12 E23 34ACCC1	385834119322301	03/01/2001	019	400.	100.	400.		4795.	02/24/2003	59.75		S		NV003
107 N12 E23 34BACB1	385205119225401	02/24/1994	019	423.	100.	423.		4795.	02/24/2003	56.13		S		NV003
107 N12 E23 36BDD1	385141119212701	03/02/1995	019	252.	94.	252.		4766.	02/24/2003	20.80		S		NV003
107 N12 E23 36DCDC1	385109119210701	03/10/2000	019	495.	147.	495.		4782.	02/24/2003	68.55		S		NV003
107 N12 E24 31BACB1	385201119193601	03/10/2000	019	540.	270.	534.		4790.	02/24/2003	95.54		S		NV003
107 N12 E24 31DBBA1	385130119192001	04/22/1982	019	587.	197.	587.		4810.	02/24/2003	102.38		S		NV003
107 N13 E23 27ADCD1	385745119230501	03/02/1999	019	400.				4630.	03/05/2003	27.32		S		NV003
107 N13 E24 21BCCD1	385838119182701	04/13/1995	019	280.	260.	280.		4780.	03/05/2003	171.25		S		NV003
107 N13 E24 30AACCD1	385759119200001	03/05/2003	019					4620.	03/05/2003	20.76	V	S		NV003
107 N13 E24 30ADDD1	385741119194701	03/15/1979	019	440.	27.	216.		4620.	03/05/2003	18.10		S		NV003
108 N11 E25 01ABDD1	385102119075301	03/01/1991	019	400.	156.	382.		4538.	02/25/2003		P			NV003
108 N11 E25 01ACCB1	385047119080401	03/19/1998	019	526.	150.	520.		4550.	02/25/2003	75.63	S	S		NV003
108 N11 E25 02CDDD1	385018119091101	03/18/1996	019	554.	132.	554.		4545.	02/25/2003	73.22		S		NV003
108 N11 E25 10DBCD1	384942119100801	03/03/2000	019	597.	183.	575.		4568.	02/25/2003	96.54		S		NV003
108 N11 E25 11AACCD1	385003119085201	03/08/1995	019	256.	106.	256.		4562.	02/25/2003	96.61		S		NV003
108 N12 E25 11CACD1	385456119091901	02/26/2002	019	245.	100.	245.		4436.	02/26/2003	19.14		S		NV003
108 N12 E25 12CDAA1	385447119075901	02/25/1999	019	102.				4470.	02/26/2003	59.52		S		NV003
108 N12 E25 15DB 1	385410119100401	02/26/2002	019	310.	42.	310.		4440.	02/25/2003	18.88		S		NV003
108 N12 E25 21ACA 1	385332119110601	02/23/1994	019	100.				4460.	03/26/2003	26.45		S		NV003
108 N12 E25 23DCC 1	385255119090501	02/25/2003	019	325.	104.	325.		4460.	02/25/2003	16.81		S		NV003
108 N12 E25 27DAAA1	385225119094801	03/18/1996	019					4458.	02/25/2003	18.27		S		NV003
108 N12 E25 35DCDD2	385109119085601	03/02/2000	019					4510.	02/25/2003	34.89		S		NV003
108 N13 E25 01DBCC1	390057119080001	03/18/1998	019	570.	100.	570.		4365.	02/26/2003	19.68		S		NV003
108 N13 E25 10CDB 1	390004119103001	02/26/1992	019	328.	94.	328.		4375.	02/27/2003	10.16		S		NV003
108 N13 E25 11ACBD2	390026119090401	03/18/1996	019	435.	120.	432.		4371.	02/26/2003	14.85		S		NV003
108 N13 E25 13CCCD1	385904119083001	03/10/1989	019	306.	103.	306.		4380.	02/26/2003	14.73		S		NV003
108 N13 E25 13DDDD1	385903119073001	02/26/2002	019	280.	115.	280.		4370.	02/26/2003	17.93		S		NV003
108 N13 E25 23DDDC1	385809119084401	03/02/2001	019	308.	100.	308.		4394.	02/26/2003	19.00		S		NV003
108 N13 E25 25CDDA1	385722119080701	03/04/1997	019	45.				4425.	02/26/2003		O			NV003
108 N13 E25 25CDDA2	385717119080901	03/01/2000	019	106.	86.	106.		4415.	02/26/2003	28.66		S		NV003
108 N13 E25 26DDCC1	385720119085001	02/26/2002	019	160.	102.			4405.	02/26/2003	23.22		S		NV003
108 N13 E25 27DCCD2	385718119101301	03/02/2000	019	440.	95.	440.		4410.	02/26/2003	18.03		S		NV003
108 N13 E25 36DCCA1	385633119074201	03/10/1993	019	255.	40.	255.		4434.	02/26/2003	47.61	T	S		NV003
108 N13 E26 02BBCC1	390127119030001	03/01/2000	019	203.	64.	203.		4408.	02/27/2003	88.62		S		NV003
108 N13 E26 08CACA1	390011119060201	03/24/1981	019	130.	50.	120.		4350.	02/27/2003	23.55		S		NV003
108 N13 E26 09DBCC1	390006119043901	03/01/2000	019	166.	60.	160.		4380.	02/27/2003	64.38		S		NV003
108 N13 E26 31DDCD1	385628119063301	02/26/2003	019	172.	90.	172.		4460.	02/26/2003	77.40		S		NV003
108 N14 E25 03DDDC2	390558119094702	11/07/1984	019	604.	240.	604.		4320.	02/27/2003	19.52		S		NV003
108 N14 E25 04DACC1	390611119110301	02/28/1995	019	451.	97.	451.		4320.	02/27/2003	15.60		S		NV003
108 N14 E25 08ADDC1	390531119115901	03/09/1993	019	523.	89.	523.		4320.	02/27/2003	20.45		S		NV003
108 N14 E25 08DCCC1	390507119122801	02/27/2003	019	348.	107.	348.		4410.	02/27/2003	26.07		S		NV003
108 N14 E25 10CCDA1	390509119103401	03/17/1998	019	460.	448.	460.		4332.	02/27/2003	20.75		S		NV003
108 N14 E25 18DCBB1	390415119132801	02/23/1994	019	73.				4345.	02/27/2003	52.75		S		NV003
108 N14 E25 27ACCD1	390225119100801	02/25/2002	019	320.	91.	320.		4351.	02/26/2003	16.85		S		NV003
108 N14 E25 29DCBC1	390233119122401	02/25/2002	019	150.	110.	150.		4390.	02/27/2003	58.66		S		NV003
108 N14 E25 34CBCA2	390152119104401	03/02/2000	019	415.	55.	415.		4365.	02/26/2003	23.28		S		NV003
108 N14 E26 03DCBC1	390606119032901	03/02/2001	019	160.	87.	123.		4330.	02/27/2003	7.73		S		NV003
108 N14 E26 03DCDD1	390601119031701	03/20/1990	019	160.	87.	123.		4333.	02/27/2003	10.85		S		NV003
108 N14 E26 15ADBB1	390436119030701	02/26/1992	019	158.	58.	158.		4328.	02/27/2003	14.67		S		NV003
108 N14 E26 26CCDD1	390231119024501	02/25/2002	019	250.	100.	250.		4415.	02/27/2003	93.28		S		NV003
108 N14 E26 31DCCC2	390137119065402	02/26/2003	019	400.	120.	400.		4356.	02/26/2003	16.02		S		NV003
108 N14 E26 32BCCC1	390201119062001	03/20/1990	019	120.	40.	120.		4345.	02/26/2003	12.72		S		NV003
108 N14 E26 32BCCC2	390201119062002	02/28/2001	019	249.	47.	247.		4345.	02/26/2003	12.76		S		NV003

GROUND-WATER LEVELS, SECONDARY OBSERVATION WELLS--Continued

Local Well No	Site Identification	First Available Water Level	County Code	Well Depth	Perforated Interval (feet)			Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)				
					Top	Bottom	Date		Feet	Status	Method	Reporting Agency	
108 N14 E26 32BDDD1	390203119055101	03/09/1993	019	104.	94.	103.	4350.	02/26/2003	16.46		S	NV003	
108 N15 E25 34ACDD1	390715119095901	02/27/2003	019	370.	123.	370.	4310.	02/27/2003	9.42		S	NV003	
110C N06 E31 33BABB1	382031118315901	04/01/2003	021	86.			5566.	04/01/2003		D		USGS	
110C N06 E31 33BABB2	382033118315501	03/01/2002	021	126.	32.	132.	5566.	04/01/2003	82.68		S	USGS	
110C N08 E30 03DDA 1	383440118365001	05/09/1985	021	850.	441.	696.	4125.	04/01/2003	61.12		S	USGS	
110C N08 E30 04AAA 1	383525118375101	02/26/1991	021	62.	60.	62.	4056.	04/01/2003	39.46		S	USGS	
110C N08 E30 21DCD 1	383150118380001	04/06/1988	021	394.	336.	350.	4261.	04/01/2003	214.70		S	USGS	
110C N08 E31 32BBAB1	383100118330001	05/24/1989	021	452.	264.	436.	4372.	04/01/2003	250.77		S	USGS	
110C N09 E30 29DDD 1	383624118385801	05/02/1990	021	20.	18.	20.	4010.	04/01/2003	12.84		S	USGS	
110C N09 E30 33CAA 1	383550118382201	05/02/1990	021	41.	39.	41.	4039.	04/01/2003	25.62		S	USGS	
117 S01 E35 21DA 1	374947118045801	03/20/1997	009	125			4890.00	10/23/2002	31.6		T	USGS	
117 S01 E35 28AC 1	374914118053301	03/03/1994	009	436			4923.00	10/23/2002		P		USGS	
117 S01 E35 34CB 1	374811118050301	10/27/1995	009	263			4900.00	10/23/2002	68.5		T	USGS	
117 S02 E35 13DC 1	374512118022501	03/19/1998	009	305			4760.00	10/23/2002	14.5		T	USGS	
117 S03 E35 15CBC 1	374031118045801	10/20/1997	009	160			4920.	10/23/2002		D		USGS	
117 S03 E35 26CC 1	373824118035401	10/11/2001	009	412			4908.00	10/23/2002	67.8		T	USGS	
118 N03 E36 02BCBB1	380854117565601	03/28/1985	009	129.			4580.	04/02/2003	41.85		S	USGS	
125 N17 E34 36CCCA1	390234118070701	04/16/1993	001	288.			4388.	03/31/2003	256.43		S	USGS	
127 N17 E35 36ADAA1	391749117585101	04/25/1979	001	502.			5250.	03/31/2003	109.46		S	USGS	
133 N19 E37 28BCC 1	392903117495001	03/19/2001	001	183.			5360.	03/31/2003	150.08		S	USGS	
147 S08 E50 13 2	371453116205751	06/26/1982	023	3885.	3875.	3885.	6841.6	07/23/2003	2192.43		T	USGS	
147 S08 E50 13 2	371453116205751	06/26/1982	023	3885.	3875.	3885.	6841.6	07/24/2003	2192.43		T	USGS	
148 S01 E48 29 1	374910116373001	06/17/1994	023	390.			5540.	12/03/2002		D		USGS	
153 N20 E53 10DDDD1	393613115585101	11/01/1981	011	200.	100.	200.	5956.	03/17/2003	161.70		S	NV003	
155C N08 E53 16 1	383320116005901	07/01/2003	023	6040.	505.	890.	5860.	07/01/2003	9.82		V	USGS	
155C N08 E53 33 2	383023116012201	12/10/2003	023	6445.	4420.	4433.	5797.	07/01/2003	488.3		V	USGS	
156 N08 E51 01 1	383510116112900	12/10/2003	023	6514.	406.	4747.	5768.	07/02/2003	327.6		V	USGS	
156 N10 E51 34 2	384044116130401	07/02/2003	023	6576.			6570.	07/02/2003		D		USGS	
159 S08 E53 27 0	371248116032101	04/25/2003	023	2065.	1895.	2863.	4818.24	04/25/2003		D		USGS	
159 S10 E54 19 3	370321115594203	06/10/1963	023	2610.	0.	2620.	4172.	09/17/2003	1772.2		V	USGS	
162 S19 E53 15DB 1	361753116000901	05/07/1986	023	395.			2668.	10/18/2002	111.5		T	NV003	
								11/14/2002	111.2		T	NV003	
								01/02/2003	110.9		T	NV003	
162 S19 E53 27DD 1	361554115595501	02/21/1992	023	500.			2640.	10/18/2002	98.5		T	NV003	
								11/14/2002	95.9		T	NV003	
								01/02/2003	94.8		T	NV003	
162 S20 E52 36BD 1	361012116044701	06/04/1987	023	253.	25.	125.	2520.	10/18/2002	52.0		T	NV003	
								11/14/2002	51.8		T	NV003	
								01/02/2003	51.5		T	NV003	
162 S21 E54 10AAC 1	360836115531701	10/15/1990	003	472.	100.	450.	2885.	10/18/2002	72.5		T	NV003	
								11/14/2002	71.2		T	NV003	
								01/02/2003	70.0		T	NV003	
162 S22 E53 01DA 1	360359115573201	08/06/1991	023	325.	75.	325.	2580.	10/18/2002	85.4		T	NV003	
								11/14/2002	81.5		T	NV003	
								01/02/2003	75.7		T	NV003	
170 S03 E54 24 1	374029115501901	10/22/1998	017	251.			4885.0	10/22/2002	189.2		T	USGS	
170 S03 E54 24 2	374020115494101	10/01/1996	017	327.			4860.0	10/22/2002	150.1		T	USGS	
170 S03 E55 19CC 1	373955115490201	12/18/1986	017	238.			4850.00	10/22/2002	123.0		T	USGS	
170 S03 E55 28DC 1	373907115461701	10/20/1988	017	250.	86.	265.	4838.	10/22/2002		P		USGS	
170 S03 E55 31 1	373817115483301	10/14/1993	017	250.			4890.0	10/22/2002	164.6		T	USGS	
170 S03 E55 34CC 1	373813115454001	03/15/1994	017	537.			4870.00	10/22/2002	107.9		T	USGS	
170 S04 E55 04DC 1	373721115473401	10/22/2002	017	415.			4865.	10/22/2002	167.3		T	USGS	
170 S04 E55 08AA 1	373708115482201	10/20/1988	017	250.	186.	250.	4910.	10/22/2002	205.5		T	USGS	
176 N31 E60 28BBBD2	403241115125801	01/16/2003	007	120.	100.	120.	5978.	10/24/2002	13.28		S	USGS	
								01/16/2003	13.53		S	USGS	
								05/21/2003	13.93		S	USGS	
176 N32 E59 25BAAA1	403755115155501	10/08/2002	007	202.	162.	192.	6052.	10/08/2002	6.5		T	USGS	
								10/24/2002	6.6		T	USGS	
								01/15/2003	6.2		T	USGS	
								05/19/2003	5.2		T	USGS	
176 N32 E60 29CCBA1	403639115133001	04/03/1995	007	202.			6000.	05/01/2003	14.55		S	USGS	
176 N32 E60 29CDDA2	403730115134002	03/23/1981	007	15.			6000.	05/01/2003	7.08		S	USGS	

GROUND-WATER LEVELS, SECONDARY OBSERVATION WELLS--Continued

Local Well No	Site Identification	First Available	County Code	Well Depth	Perforated Interval (feet)		Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)					Reporting Agency
					Top	Bottom		Date	Feet	Status	Method		
		Water Level	Depth										
179 N15 E64 07ACCB1	391100114492001	03/11/1975	033	200.			6535.	03/18/2003	38.16			S	USGS
179 N16 E64 06CBDC1	391634114484901	04/11/1989	033	306.	270.	306.	6407.	03/19/2003	272.10			S	USGS
189B N43 E66 25D1	413444114261701	04/25/1985	007	28.			5250.	03/19/2003	4.78			S	USGS
203 S01 E68 28C1	374911114222301	10/05/1983	017	154			4900.00	10/14/2002	56.4			T	USGS
203 S02 E67 24D1	374509114250901	03/23/1995	017				4700.00	10/14/2002	37.6			T	USGS
203 S02 E67 25DABB1	374441114252801	10/25/1989	017				4659.00	10/14/2002	35.0			T	USGS
203 S02 E67 35A1	374400114260701	10/20/1994	017	193			4650.00	10/14/2002	32.7			T	USGS
203 S02 E68 08B5	374750114242001	10/05/1987	017	110.			5000.	10/14/2002	37.3			T	USGS
203 S03 E67 02D1	374243114261401	03/20/1997	017	158			4615.00	10/14/2002	22.7			T	USGS
203 S03 E67 22B1	374034114274601	03/12/1992	017	175			4600.00	10/14/2002	4.7			T	USGS
203 S03 E67 28C1	373919114290401	10/18/1988	017	118			4460.00	10/14/2002			F		USGS
209 S03 E60 35DABD1	373808115124301	12/16/1993	017				3990.	10/22/2002	182.5			T	USGS
209 S04 E60 02AABC1	373803115124601	03/14/1991	017				3948.	10/22/2002	161.3			T	USGS
209 S04 E60 02DBDC1	373731115125101	03/14/1991	017				3922.	10/22/2002	47.5			T	USGS
212 S19 E60 12DB 1	361806115122701	10/23/1996	003	240.	80.	240.	2350.	10/09/2002	151.14			S	USGS
								02/18/2003	150.25			S	USGS
								04/14/2003	150.04			S	USGS
212 S19 E60 24CBC 1	361655115132101	07/15/1998	003	380.	210.	380.	2315.	10/09/2002	152.49			S	USGS
212 S21 E60 15BBDC1	360739115152701	04/23/1998	003	680.	380.	680.	2480.	10/07/2002	377.69			V	USGS
212 S21 E61 03AAAD1	360924115081101	04/03/1995	003	14.	11.	15.	1990.	10/09/2002	7.50			S	USGS
212 S21 E61 03AAAD2	360924115081102	01/14/2002	003	40.	11.	40.	1990.	10/09/2002	8.90			S	USGS
212 S22 E61 11BCAD1	360306115075401	02/19/2003	003				2070.	01/02/2003	22.34			S	USGS
								02/19/2003	28.26			S	USGS
								04/15/2003	29.03			S	USGS
213 S31 E66 36CDDC1	351150114341901	07/09/2003	003	27.38			540.6	07/09/2003	25.14			S	USGS
								07/09/2003	25.14			S	USGS
213 S31 E66 36CDDC2	351152114342001	07/09/2003	003	26.47			540.5	07/09/2003	20.99			S	USGS
								07/09/2003	20.99			S	USGS
213 S31 E66 36CDDC3	351150114342201	07/09/2003	003	25.22			541.0	07/09/2003	23.20			S	USGS
								07/09/2003	23.20			S	USGS
213 S31 E66 36CDDC4	351153114342101	07/09/2003	003	22.23			540.7	07/09/2003	17.12			S	USGS
								07/09/2003	17.12			S	USGS
213 S31 E66 36CDDD1	351153114341401	07/09/2003	003	26.44			540.5	07/09/2003	17.23			S	USGS
								07/09/2003	17.23			S	USGS
213 S31 E66 36CDDD2	351152114341701	07/09/2003	003	26.33			540.4	07/09/2003	20.45			S	USGS
								07/09/2003	20.45			S	USGS
213 S32 E65 15ABAD1	350959114425001	07/03/2003	003	7.5			2402.0	07/03/2003	7.19			V	USGS
213 S32 E66 01BAAB1	351149114342101	07/09/2003	003	27.03			541.1	07/09/2003			D		USGS
213 S32 E66 01BAAB1	351149114342101	07/09/2003	003	27.03			541.1	07/09/2003			D		USGS
219 S13 E64 35ACAA1	364604114471301	08/31/2000	003	937.	325	937	2274.6	10/01/2002	511.4			C	USGS
								11/01/2002	456			C	USGS
227A S15 E50 06BA 1	364105116234701	10/01/2002	023	700.	636.	700.	2800.45	10/01/2002	424.5		R	T	USGS
227A S15 E50 06BA 2	364105116234702	06/27/2002	023	530.	449.	531.	2800.45	10/01/2002	424.2		R	T	USGS
								10/01/2002	424.2			T	USGS
229 S12 E48 04DBB 1	365520116370301	04/20/1994	023	1600.	800.	1600.	3930.9	06/26/2003	624.9			V	USGS
								07/28/2003	624.8			V	USGS
								08/12/2003	624.6			V	USGS
								09/25/2003	624.4			V	USGS
230 S16 E48 08BAAA1	363434116354001	03/18/1992	023	243.	100.	250.	2385.4	10/29/2002			D		USGS
230 S16 E48 14BAAA1	363346116322801	03/21/1986	023	295.	60.	295.	2381.	10/29/2002	117.1			T	USGS
230 S16 E49 14BB 1	363348116254901	12/23/1986	023	390.	150.	390.	2440.	10/29/2002	170			T	USGS
230 S16 E49 19DA 1	363237116292901	12/09/1981	023	300.	120.	307.	2363.	10/29/2002	135			T	USGS
230 S16 E49 22BBAA1	363252116265001	10/09/1988	023	350.	150.	350.	2395.	10/29/2002			D		USGS

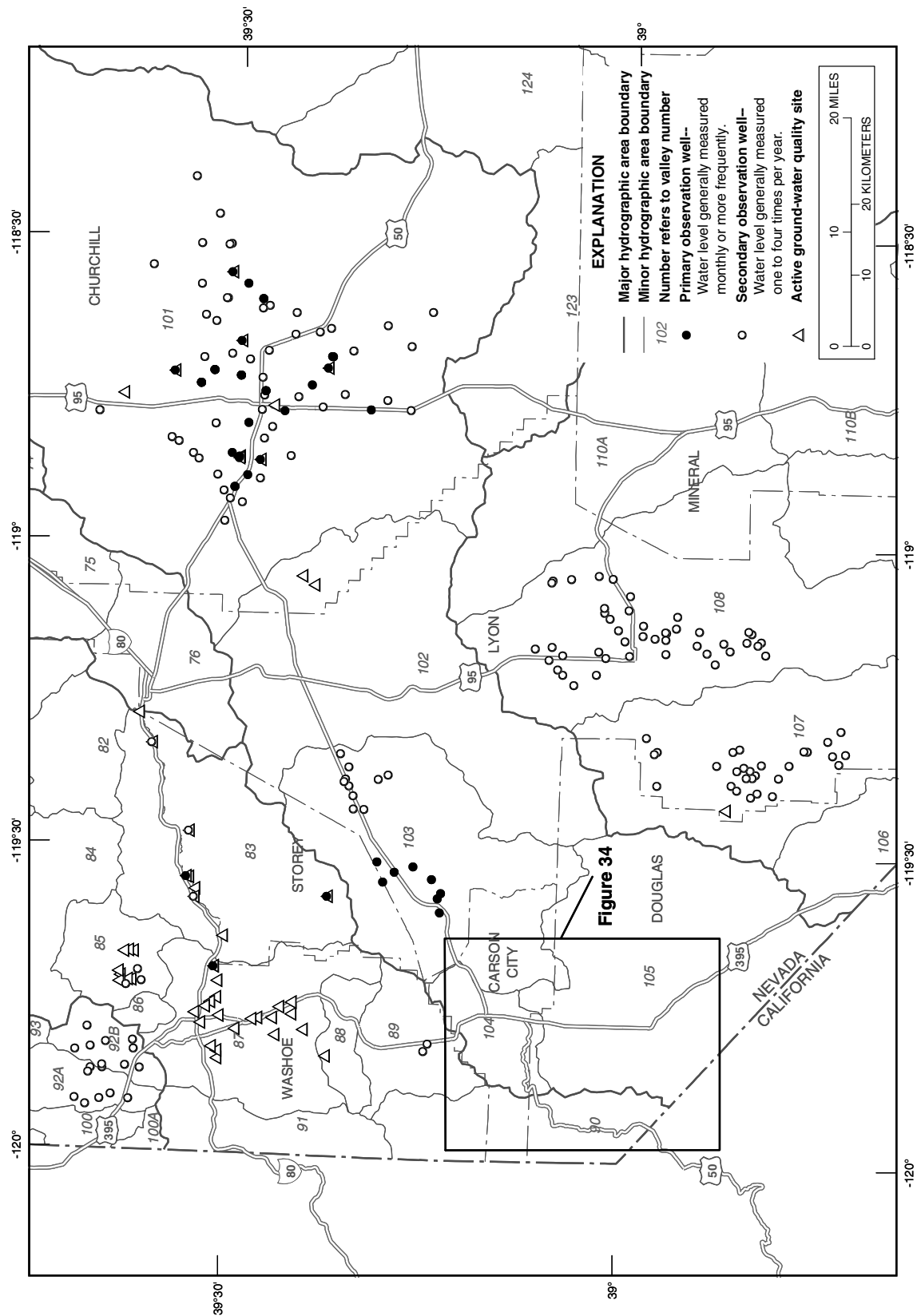


Figure 32. Ground-water sites, west-central Nevada.

QUALITY OF GROUND WATER
AQUIFER VULNERABILITY PROJECT

This project will evaluate the susceptibility and vulnerability of ground water to anthropogenic contamination throughout Nevada. Existing water-quality data and information on variables that could be related to water quality (e.g. land use, depth to ground water) are being compiled from many sources and input to a database and geographic information system (GIS). Water-quality measurements in the following table were made in cooperation with the Nevada Department of Environmental Protection (NDEP) to check the accuracy of and supplement existing information. The database and GIS will be used in a statistical evaluation of aquifer susceptibility and vulnerability. Locations of the following sites are shown in figures 30, 32, 34, and 37.

WATER-QUALITY DATA, WATER YEARS OCTOBER 2001 TO SEPTEMBER 2004

Station number	Local Identifier	Date	Time	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Flow rate, instantaneous gal/min (00059)	Sampling depth, feet (00003)
352743114591901	214 S28 E63 31CBCC1	10-07-03	1000	1046.	--	--	--
353114114524801	167 S28 E64 07CBDC1	10-07-03	1330	675.	--	--	--
355000115255301	164A S24 E58 26ADAD1	09-16-03	1145	255.	175.69	10.0	--
355914115094201	212 S22 E61 33DCBD1	10-07-03	1745	350.	--	--	--
360203115163201	212 S22 E60 16BCDC1	10-09-03	1130	805.	--	--	--
361044114505601	215 S20 E64 29DADB1	09-16-03	1600	490.	--	--	--
361156115570201	162 S20 E54 19BDDA1	10-09-03	1445	320.	229.98	--	--
361313116013001	162 S20 E53 09CDCD1	10-09-03	1645	140.	48.80	--	--
361440115174601	212 S20 E60 05BCBB1	10-08-03	1045	460.	--	--	--
361928115160401	212 S19 E60 04DCBB1	10-08-03	1730	338.	126.63	--	--
362531116214901	230 S17 E50 32DCC 1	05-22-03	1700	13.25	1.21	.10	10.0
362613115442401	161 S17 E55 25DDDD1	09-15-03	1800	230.	--	--	--
364340114430301	219 S14 E65 09DCAC1	09-17-03	1500	98.	--	--	--
364624114031301	222 S13 E71 27CBAC1	09-17-03	1100	1600.	365.00	3000	--
364627114074401	222 S13 E70 26DAAA1	09-17-03	1230	110.	15.00	500	--
365834114590001	210 S11 E62 24DBAD1	09-18-03	0845	140.	--	65.0	--
370246116461901	228 S10 E46 24DDDC1	05-20-03	1700	200.	33.09	.10	100
370504116404903	228 S10 E47 11ADAD3	05-21-03	0900	65.	--	--	--
3716471117015201	146 S08 E44 03BAAA1	08-27-03	1030	100.	53.00	.10	--
372431115110901	209 S06 E61 19CDBE1	09-10-03	1000	151.	87.16	--	--
373708114320701	205 S04 E66 12AADC1	09-10-03	1245	391.	--	--	--
373840115445201	170 S03 E55 36BCCA1	09-09-03	1845	155.	--	--	--
374124114270001	203 S03 E67 14ACAB1	09-10-03	1430	158.	--	--	--
374219118050901	117 S03 E35 04DADB1	08-26-03	1800	200.	--	--	--
374422117393001	143 S02 E39 28BDBB1	08-27-03	1630	400.	--	--	--
375224117145401	142 S01 E42 10ABAC1	10-06-03	1530	400.	--	--	--
375404114175301	198 N01 E59 31CBBD1	09-10-03	1730	180.	--	--	--
375837118190501	114 N01 E33 05AAAC1	08-26-03	1500	420.	--	--	--
380120114120701	201 N02 E69 24BDBA1	09-11-03	1100	80.	35.25	--	--
381227116381001	149 N04 E48 08CCBD1	08-28-03	1015	65.	--	.10	--
381908114385701	183 N05 E65 02DDBA1	09-11-03	1730	--	--	--	--
381941114362801	183 N05 E66 06AADA1	09-11-03	1430	360.	--	--	--
381947114331201	183 N06 E66 34AAAA1	09-11-03	1345	170.	135.22	--	--
382212116235101	156 N06 E49 24AADA1	08-28-03	1230	400.	--	.10	160
382328117262501	137A N06 E40 12CBCD1	08-26-03	1100	160.	--	--	--
382825118393801	137A N06 E40 12CBCD1	10-06-03	1315	160.	--	--	--
382829115465201	110C N07 E30 08CDDC1	09-09-03	1315	320.	--	--	--
383011115462301	173B N07 E55 10CC 1	04-08-03	1500	15.	.50	E.10	--
383902118451301	173B N08 E55 34DC 2	04-08-03	1200	24.	14.99	E.10	20.0
	110B N09 E29 09CBDC1	09-15-03	1100	190.	110.10	3.0	--
384631115250701	173B N11 E58 35BADD1	09-04-03	1345	78.	19.39	2.5	--
384706115241301	173B N11 E58 25CABB1	09-04-03	1500	110.	--	--	--
384837117580801	122 N11 E36 18DCDC1	08-25-03	1900	155.	--	1.0	110
385231119252101	107 N12 E23 29ADDC1	07-14-03	1000	150.	139.30	--	--
385238117350301	135 N12 E39 27CBAA1	08-25-03	1600	83.	--	1.0	50.0
385304119460601	105 N12 E19 23CDBC1	05-30-03	1230	27.	3.40	--	--
385348115015001	207 N12 E62 17CDBD1	09-04-03	1000	110.	77.80	8.0	--
385606119412201	105 N12 E20 01BDBD1	07-15-03	0850	245.	--	--	--
385612115025601	207 N12 E62 06BABB1	09-12-03	0830	161.	--	--	--
385612119464101	105 N12 E20 06ABCC1	05-29-03	1200	20.5	12.08	--	--
385655119413101	105 N13 E20 36BCDB1	07-09-03	1045	200.	132.00	7.0	--
385815119500301	105 N13 E19 22DCAC1	05-01-03	1320	16.	5.98	--	--
385816119482401	105 N13 E19 23DDAD1	05-02-03	1100	21.	2.68	--	--
390028114110401	195 N13 E69 12CCDB1	09-03-03	1145	150.	40.74	7.0	--
390148119564101	090 N14 E18 34CDD 1	08-08-03	1000	180.	77.71	10.0	--
390315119403201	105 N14 E19 26AABD1	07-15-03	1045	64.	40.36	--	--
390553119543001	090 N14 E18 12BAAA1	08-08-03	1230	200.	--	--	--
390637119472301	104 N14 E19 01AACD1	07-02-03	1330	312.	19.28	--	--
390637119472303	104 N14 E19 01AACD3	07-02-03	1020	120.	17.90	--	--
390657119492101	104 N15 E19 35CCBD1	08-08-03	1500	225.	58.82	12.0	--

QUALITY OF GROUND WATER
AQUIFER VULNERABILITY PROJECT--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 2001 TO SEPTEMBER 2004

Date	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)
10-07-03	--	5.1	--	7.9	413	--	34.4	255	<.10	<.04	3.49	<.008	<.02
10-07-03	--	.6	--	7.8	615	--	24.6	347	.11	.04	5.77	.188	<.02
09-16-03	665	7.2	91	7.0	675	--	20.0	417	<.10	<.04	2.61	<.008	<.02
10-07-03	--	6.1	--	7.5	1420	--	24.0	868	<.10	<.04	2.56	<.008	<.02
10-09-03	--	4.5	--	7.3	878	--	28.1	659	<.10	<.04	.69	<.008	<.02
09-16-03	715	5.0	73	7.1	10800	--	30.0	8810	E.07	.14	.61	<.008	<.02
10-09-03	--	3.5	--	7.3	846	--	25.5	572	E.07	<.04	10.0	.014	<.09
10-09-03	--	5.2	--	6.9	1130	--	19.4	735	.13	<.04	11.7	<.008	<.09
10-08-03	--	5.7	--	7.0	481	--	22.9	289	<.10	<.04	1.36	<.008	<.02
10-08-03	--	6.0	--	7.1	411	--	21.4	229	E.06	<.04	.47	<.008	<.02
05-22-03	--	--	--	8.1	1520	--	17.2	1060	.14	<.04	<.06	<.008	.06
09-15-03	620	5.5	68	7.4	391	--	15.0	256	<.10	<.04	.11	<.008	<.02
09-17-03	710	3.0	43	7.2	883	--	31.0	617	<.10	<.04	.45	<.008	<.02
09-17-03	705	.1	.0	7.4	925	--	33.0	581	<.10	<.04	E.05	<.008	<.02
09-17-03	715	4.5	58	7.2	598	--	24.0	366	<.10	<.04	1.51	<.008	<.02
09-18-03	700	6.6	79	7.0	727	--	20.0	451	<.10	<.04	1.00	<.008	<.02
05-20-03	661	4.6	59	7.7	570	29.0	20.9	442	<.10	<.04	1.57	<.008	E.01
05-21-03	--	--	--	--	--	--	--	532	<.10	<.04	.53	<.008	.03
08-27-03	--	4.4	--	7.2	1480	--	21.5	978	<.10	<.04	.97	<.008	E.01
09-10-03	--	2.6	--	7.0	1020	--	19.0	652	<.10	<.04	E.05	<.008	.04
09-10-03	--	4.1	--	8.4	390	--	28.0	259	<.10	<.04	2.16	<.008	<.02
09-09-03	--	5.3	--	7.5	427	--	17.0	280	<.10	<.04	2.29	<.008	<.02
09-10-03	--	3.0	--	7.4	586	--	16.2	415	<.10	<.04	1.15	<.008	.02
08-26-03	641	.5	6	5.8	1890	--	16.5	1490	E.07	<.04	.38	<.008	E.02
08-27-03	--	--	--	E7.6	E1120	--	E26.0	--	--	--	--	--	--
10-06-03	--	2.1	--	7.6	555	--	24.4	394	<.10	<.04	1.08	<.008	E.01
09-10-03	--	6.5	--	6.9	921	--	13.4	366	<.10	<.04	.34	<.008	<.02
08-26-03	592	7.0	93	7.4	640	--	16.2	398	<.10	<.04	9.23	<.008	.03
09-11-03	--	.1	--	7.1	523	--	11.1	350	E.08	<.04	<.06	<.008	.04
08-28-03	--	3.4	--	7.1	402	22.9	14.5	302	<.10	<.04	.30	<.008	.03
09-11-03	--	1.1	--	6.9	547	--	12.7	593	.12	<.04	4.07	<.008	.04
09-11-03	--	5.9	--	7.5	384	--	17.4	241	<.10	<.04	1.32	<.008	.03
09-11-03	--	7.9	--	7.5	537	--	14.9	376	<.10	<.04	3.11	<.008	E.01
08-28-03	--	.4	--	7.2	1020	--	16.2	742	<.10	<.04	.66	E.004	<.02
08-26-03	639	6.0	78	7.5	498	21.6	19.5	364	<.10	<.04	2.73	<.008	<.02
10-06-03	--	6.9	--	7.7	492	--	20.1	361	<.10	<.04	2.76	<.008	E.01
09-09-03	--	8.1	--	7.5	1000	--	17.7	649	<.10	<.04	3.71	<.008	E.01
04-08-03	--	1.2	--	6.8	925	--	16.5	605	.11	.06	<.06	<.008	.04
04-08-03	--	5.8	--	7.7	790	--	16.3	532	<.10	<.04	E.04	<.008	.02
09-15-03	660	2.8	41	7.5	1420	--	26.6	893	<.10	<.04	.53	<.008	.04
09-04-03	--	3.2	--	6.9	707	--	13.8	433	.14	<.04	.60	<.008	<.18
09-04-03	--	4.6	--	7.1	637	--	16.1	380	E.05	<.04	.07	<.008	<.18
08-25-03	646	3.2	43	7.8	1090	--	22.2	--	--	--	--	--	--
07-14-03	645	7.8	96	6.7	304	26.0	17.0	214	E.05	<.04	.89	<.008	.02
08-25-03	594	5.7	68	7.2	514	--	11.8	372	E.07	<.04	<.06	<.008	.04
05-30-03	638	5.8	73	7.2	106	25.0	17.9	90	<.10	<.04	.13	<.008	.06
09-04-03	--	8.1	--	7.0	442	--	13.9	284	<.10	<.04	1.20	<.008	<.18
07-15-03	640	5.9	76	7.1	383	23.0	18.5	237	<.10	<.04	.58	<.008	.03
09-12-03	--	9.1	--	7.1	384	--	15.1	227	<.10	<.04	1.12	<.008	<.02
05-29-03	639	<.1	--	6.1	376	--	15.1	256	.14	<.04	.84	<.008	.03
07-09-03	640	7.8	104	7.9	384	25.5	20.5	255	<.10	<.04	3.25	<.008	.02
05-01-03	--	--	--	--	--	--	--	250	.51	.30	<.06	<.008	<.02
05-02-03	--	--	--	7.1	260	--	--	180	.16	.09	.10	<.008	E.02
09-03-03	--	6.7	--	6.5	172	--	14.0	103	<.10	<.04	.07	<.008	<.18
08-08-03	--	--	--	6.1	320	--	9.5	211	<.10	<.04	.35	<.008	<.02
07-15-03	645	4.6	64	6.5	1530	--	23.0	1050	.17	<.04	2.89	<.008	.10
08-08-03	--	--	--	7.1	290	--	10.7	184	<.10	<.04	.81	<.008	.02
07-02-03	--	--	--	7.2	133	--	16.4	101	<.10	<.04	2.78	<.008	.07
07-02-03	--	--	--	6.6	146	--	15.3	124	<.10	<.04	2.32	<.008	.14
08-08-03	--	--	--	6.1	176	--	12.0	165	--	--	--	--	--

QUALITY OF GROUND WATER
AQUIFER VULNERABILITY PROJECT--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 2001 TO SEPTEMBER 2004

Station number	Local Identifier	Date	Time	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Flow rate, instant- aneous gal/min (00059)	Sam- pling depth, feet (00003)
390843119462601	104 N15 E20 19DDBC1	06-27-03	1145	236.	72.19	--	--
390917119430701	103 N15 E20 22ABCA1	03-31-03	1030	14.3	4.29	--	--
390952114214401	184 N15 E66 14DBBD1	09-03-03	1430	168.	26.24	10.0	150
390955119481001	104 N15 E19 13BCDC1	07-08-03	1145	201.	36.42	--	--
390955119481002	104 N15 E19 13BCDC2	07-08-03	1315	85.	22.31	--	--
391111119481901	104 N15 E19 01CCCC1	07-07-03	1030	117.	96.34	.40	105
391126119441902	104 N15 E20 04DBDD2	04-23-03	1100	33.	14.25	.10	28.0
391127119442501	104 N15 E20 04DBCD1	05-30-03	1400	32.	12.88	--	--
391158119555001	090 N15 E18 02BBDA1	09-12-02	1515	110.	--	--	--
	090 N15 E18 02BBDA1	08-07-03	1130	110.	--	--	--
	090 N15 E18 02BBDA1	08-07-03	1135	110.	--	--	--
391201119421501	104 N15 E20 02ABBB1	07-15-03	1410	126.	49.68	--	--
391301114515701	179 N16 E63 27DCDA1	09-02-03	0915	430.	--	--	--
391949114525001	179 N17 E63 21AADB1	09-02-03	1300	176.	--	6.0	--
392028114290301	184 N17 E67 18BCAA1	09-02-03	1900	125.	--	7.5	120
392145116541302	137B N17 E45 03BDBC2	06-04-03	1530	125.	103.68	--	--
392308116553401	137B N18 E45 28CDCD1	06-03-03	1530	264.	172.21	1.0	240
392410119041201	102 N18 E26 21CDDA1	07-17-03	1130	720.	--	--	--
392507119032001	102 N18 E26 15CDCB1	07-17-03	0940	--	--	--	--
392622117171301	056 N18 E42 07DAAD1	08-18-03	1730	180.	--	--	--
392733118463801	101 N18 E29 06BBBB5	06-11-03	1015	10.9	6.58	--	8.00
392829118520001	101 N19 E28 32BAAB1	06-11-03	1300	13.	6.87	--	--
393051119431601	087 N19 E20 15ACCA1	04-17-03	1120	22.	--	.50	15.0
393109117462601	133 N19 E37 13BBBB1	09-05-03	1130	--	--	--	--
393358116003101	153 N20 E53 28CBAD1	08-21-03	0900	265.	--	--	--
393535116012001	153 N20 E53 17DACC1	08-21-03	1100	150.	--	--	--
393858118453702	101 N21 E29 30DDC 2	06-10-03	1400	15.0	7.40	--	--
394505119401201	84 N22 E21 30BABD1	09-22-03	1345	317.	--	30.0	--
395102115444201	154 N23 E55 23DBAB1	08-20-03	1500	153.	--	--	--
400223117154201	058 N25 E42 16CBBB1	08-19-03	1200	282.	188.26	--	--
400605117110401	058 N26 E43 30ABBB1	08-19-03	1000	--	--	--	--
400849119485301	097 N26 E19 02DCA 1	06-18-03	1630	240.	201.62	--	--
401235119491601	097 N27 E19 14BDCB1	06-18-03	1820	121.	69.51	--	--
401950118185201	073 N29 E33 31DBCC1	08-14-03	1000	168.	23.65	--	--
402639119274301	22 N30 E22 25BAD1	09-24-03	1045	355.	--	400	--
403435116530601	059 N31 E45 10ADBB1	08-19-03	1600	90.	11.37	--	--
403614119445401	021 N32 E20 32DADC1	09-22-03	1748	117.	17.00	7.0	--
403634117390201	071 N32 E38 36ABCA1	07-31-03	1600	150.	105.52	.50	--
404229119275401	021 N33 E22 26CC 1	09-23-03	1000	90.	--	.10	--
404345116142701	051 N33 E51 21DACD1	07-30-03	1630	300.	-23.10	5.0	--
404605116074901	051 N33 E52 04DCCD1	07-31-03	0900	175.	62.65	--	--
404757116155101	051 N34 E51 29DCCA1	07-23-03	1530	203.	-48.50	--	--
404759116115401	051 N34 E51 25CCBC1	07-22-03	1120	1484.	--	--	--
404803116062601	050 N34 E52 27DCA 1	07-22-03	1630	295.	188.17	--	--
404809119303301	021 N34 E22 29DBAD1	09-24-03	1330	195.	--	25.0	--
405258119193701	024 N35 E23 36BBBB1	09-23-03	1400	153.	70.00	15.0	85.0
405558116204901	061 N35 E50 03CCDD1	06-05-03	0945	220.	140.03	--	--
405832116164401	051 N36 E51 30DDCA1	07-31-03	1030	2420.	-34.60	--	--
405921116152101	051 N36 E51 21CCCC1	07-23-03	1245	80.	-2.31	2.5	--
410030115003401	177 N36 E62 18ABBD1	10-21-03	0930	150.	85.00	12.0	--
410213115143701	041 N36 E60 06ACBD1	10-20-03	1300	172.	120.00	6.0	160
410541114420401	188 N37 E64 14AADB1	10-23-03	1200	285.	157.00	50.0	--
410652114553401	042 N37 E62 02DDAC1	10-20-03	1600	158.	--	--	--
410657114464901	188 N37 E64 06DB 1	10-22-03	1000	280.	102.00	8.5	--
413011117502101	033A N42 E37 20CAAD1	11-21-02	1200	90.	--	--	--
413024117502001	033A N42 E37 20BDAD1	11-21-02	1100	85.	--	--	--
413043117505201	033A N42 E37 20BBBB1	11-21-02	1000	85.	--	--	--
	033A N42 E37 20BBBB1	08-01-03	0830	85.	72.73	.20	--
414250118305801	029 N44 E31 04CAC1	08-14-03	1400	140.	--	--	--
415410118570001	004 N46 E26 24CC 1	08-14-03	1815	112.	--	--	--
415621118365701	001 N47 E30 22BCBA1	08-14-03	1600	146.	--	--	--
415916114402001	040 N47 E64 01CBCD1	10-21-03	1515	500.	181.00	6.0	--

QUALITY OF GROUND WATER
AQUIFER VULNERABILITY PROJECT--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 2001 TO SEPTEMBER 2004

Date	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)
06-27-03	--	.1	--	8.6	181	28.5	19.5	117	E.07	<.04	E.05	.010	.02
03-31-03	--	.0	--	7.3	510	--	11.5	345	E.09	<.04	<.06	<.008	.12
09-03-03	--	8.1	--	7.2	416	--	14.0	256	<.10	<.04	.70	<.008	<.18
07-08-03	640	3.5	44	7.4	311	--	18.0	216	<.10	<.04	.08	<.008	.05
07-08-03	640	.3	4	7.3	321	--	15.5	214	E.05	<.04	E.06	.010	.07
07-07-03	630	7.4	95	6.5	327	26.0	18.0	222	E.05	<.04	6.13	<.008	.03
04-23-03	640	2.8	36	7.4	326	--	18.3	234	E.07	<.04	E2.15	<.008	E.11
05-30-03	641	6.4	82	7.0	884	25.0	18.2	607	.13	<.04	17.0	<.008	.07
09-12-02	--	--	--	6.2	222	22.5	9.5	--	.09	.007	.014	--	.013
08-07-03	--	--	--	5.7	210	--	10.1	--	<.10	<.04	<.06	<.008	E.01
08-07-03	--	--	--	--	--	--	--	133	<.10	<.04	<.06	<.008	E.02
07-15-03	645	7.6	99	7.1	207	--	20.0	167	<.10	<.04	2.38	<.008	.04
09-02-03	--	8.3	--	7.5	346	--	13.3	231	<.10	<.04	2.06	<.008	<.18
09-02-03	--	8.2	--	7.8	492	--	13.5	334	<.10	<.04	2.20	<.008	<.18
09-02-03	--	8.8	--	6.5	81	--	15.4	61	<.10	<.04	.23	<.008	<.18
06-04-03	618	--	--	5.9	--	--	21.9	268	<.10	<.04	.55	<.008	.07
06-03-03	--	5.0	--	7.5	465	28.0	22.1	301	<.10	<.04	.19	<.008	.02
07-17-03	655	5.3	82	9.2	608	--	30.0	372	<.10	<.04	<.06	<.008	<.02
07-17-03	655	4.4	67	7.1	3290	--	28.0	2370	<.10	<.04	4.56	E.006	E.01
08-18-03	--	6.4	--	7.7	363	--	19.0	272	<.10	<.04	.45	<.008	<.18
06-11-03	657	--	--	7.1	628	22.0	--	447	.46	<.04	8.73	<.008	.24
06-11-03	657	6.2	76	6.7	626	26.0	17.7	175	E.05	<.04	.13	<.008	.11
04-17-03	644	6.3	72	7.3	1270	--	13.6	797	.15	.05	<.06	<.008	.16
09-05-03	--	7.2	--	7.0	436	--	14.4	296	E.08	<.04	4.83	<.008	E.10
08-21-03	615	4.5	53	7.2	382	--	12.5	256	<.10	<.04	.49	<.008	<.18
08-21-03	--	5.5	--	6.6	797	--	12.5	482	<.10	<.04	6.84	<.008	<.18
06-10-03	656	--	--	8.2	6270	33.0	23.6	3540	.90	.60	E.03	<.008	.26
09-22-03	643	3.5	48	7.3	570	43.5	21.5	347	E.08	<.04	2.79	<.008	E.01
08-20-03	--	7.1	--	7.5	432	--	14.0	264	<.10	<.04	.95	<.008	<.18
08-19-03	--	2.5	--	7.5	652	--	20.5	438	<.10	<.04	.64	<.008	<.18
08-19-03	--	7.3	--	7.0	1160	--	15.5	721	E.06	<.04	4.13	<.008	<.18
06-18-03	--	1.5	--	7.6	411	32.0	25.5	246	<.10	<.04	.59	<.008	.07
06-18-03	612	--	--	8.2	6350	28.0	18.8	4120	E.10	E.02	.10	<.008	.39
08-14-03	--	4.0	--	7.6	403	--	21.0	251	<.10	<.04	.20	<.008	<.02
09-24-03	661	5.8	72	6.9	1530	--	19.1	887	E.06	<.04	1.90	<.008	E.02
08-19-03	--	2.7	--	7.8	672	--	15.0	443	<.10	<.04	.37	<.008	<.18
09-22-03	--	--	--	--	--	31.0	--	396	<.10	<.04	.44	<.008	.09
07-31-03	--	--	--	6.8	838	--	32.3	554	.24	.26	<.06	<.008	E.01
09-23-03	662	.3	4	8.0	732	17.0	17.8	451	.82	.71	<.06	<.008	.08
07-30-03	--	--	--	6.6	618	--	14.0	377	<.10	.09	<.06	E.005	<.02
07-31-03	--	--	--	6.7	500	--	15.0	334	<.10	<.04	.39	<.008	.10
07-23-03	--	--	--	6.7	639	--	13.5	378	E.09	.06	<.06	.008	<.02
07-22-03	--	--	--	7.1	654	--	32.3	397	<.10	<.04	E.04	<.008	E.01
07-22-03	--	--	--	7.4	365	--	21.8	275	<.10	<.04	1.67	<.008	E.01
09-24-03	654	--	--	7.1	1400	--	15.6	827	E.07	<.04	E.04	<.008	.03
09-23-03	659	5.2	70	6.8	641	28.0	22.0	414	<.10	<.04	.33	<.008	.02
06-05-03	--	--	--	7.3	463	18.0	17.6	318	<.10	<.04	1.53	<.008	.03
07-31-03	--	--	--	7.5	582	--	14.5	365	1.9	1.87	<.06	<.008	E.01
07-23-03	--	--	--	7.0	728	--	11.7	469	1.1	1.07	<.06	<.008	<.02
10-21-03	624	8.9	99	--	387	--	11.0	231	<.10	<.04	1.52	<.008	<.18
10-20-03	630	1.6	19	7.5	500	--	13.3	341	<.10	<.04	.73	<.008	.03
10-23-03	623	10.4	126	7.3	517	--	14.7	276	<.10	<.04	.29	<.008	E.02
10-20-03	624	7.4	90	7.7	399	--	15.0	273	<.10	<.04	2.52	<.008	E.01
10-22-03	618	3.3	39	7.3	767	--	13.6	417	E.06	<.04	2.40	.034	<.02
11-21-02	--	--	--	--	--	--	--	472	1.4	<.04	18.2	.030	<.02
11-21-02	--	--	--	--	--	--	--	478	.49	<.04	22.0	.017	.09
11-21-02	--	--	--	--	--	--	--	305	E.06	<.04	6.46	<.008	.05
08-01-03	--	--	--	6.3	500	--	17.5	308	<.10	<.04	6.71	E.005	.07
08-14-03	--	5.3	--	7.3	735	--	26.5	476	<.10	<.04	1.20	<.008	.02
08-14-03	--	.1	--	7.1	398	--	16.0	309	E.09	<.04	<.06	<.008	.03
08-14-03	--	5.3	--	6.7	870	--	20.5	632	E.08	<.04	4.59	<.008	.02
10-21-03	633	7.5	99	--	291	--	19.3	232	<.10	<.04	.64	<.008	.03

Remark codes used in this report:

< -- Less than

E -- Estimated value

QUALITY OF SURFACE WATER

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CARSON RIVER BASIN

Water-quality measurements in the following table were made as part of the Carson River Mercury Superfund Monitoring Study to determine loads into and out of Lahontan Reservoir. All mercury and methylmercury analyses were performed by USGS Mercury Research Laboratory in Middleton, Wisconsin using methods described in Olson and others (1997) and Olson and DeWild (1999). Quality-assurance samples are defined in the introductory text section titled "Water Quality-Control Data." The following sites are shown in figure 17.

WATER-QUALITY DATA, WATER YEAR 2002 TO SEPTEMBER 2003

Station number	Station name	Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)
10312020	CARSON RIVER NEAR SILVER SPRINGS, NV	10-29-02	1030	FIELD BLANK	--	--	--
		10-29-02	1120	ENVIRONMENTAL	3.2	655	9.5
		11-27-02	0930	FIELD BLANK	--	--	--
		11-27-02	1040	ENVIRONMENTAL	105	665	11.9
		12-13-02	1000	FIELD BLANK	--	--	--
		12-13-02	1105	ENVIRONMENTAL	98	652	10.8
		12-18-02	1100	FIELD BLANK	--	--	--
		12-18-02	1215	ENVIRONMENTAL	428	658	12.4
		01-22-03	1010	FIELD BLANK	--	--	--
		01-22-03	1100	ENVIRONMENTAL	202	657	10.7
		02-20-03	1020	FIELD BLANK	--	--	--
		02-20-03	1140	ENVIRONMENTAL	244	655	11.4
		03-20-03	1015	FIELD BLANK	--	--	--
		03-20-03	1115	ENVIRONMENTAL	278	655	9.7
		03-28-03	0815	FIELD BLANK	--	--	--
		03-28-03	0915	ENVIRONMENTAL	396	660	9.5
		04-15-03	0915	FIELD BLANK	--	--	--
		04-15-03	1020	ENVIRONMENTAL	580	--	--
		05-13-03	0935	FIELD BLANK	--	--	--
		05-13-03	1115	ENVIRONMENTAL	130	655	7.9
		05-16-03	0850	FIELD BLANK	--	--	--
		05-16-03	1005	ENVIRONMENTAL	540	655	8.2
		05-19-03	1110	FIELD BLANK	--	--	--
		05-19-03	1250	ENVIRONMENTAL	955	660	8.7
		05-27-03	1010	FIELD BLANK	--	--	--
		05-27-03	1220	ENVIRONMENTAL	2100	658	8.2
		06-03-03	0950	FIELD BLANK	--	--	--
		06-03-03	1125	ENVIRONMENTAL	2080	655	8.4
		06-09-03	1000	FIELD BLANK	--	--	--
		06-09-03	1150	ENVIRONMENTAL	1720	650	7.8
		06-30-03	0855	FIELD BLANK	--	--	--
		06-30-03	1010	ENVIRONMENTAL	258	655	7.4
		06-30-03	1015	REPLICATE	258	655	7.4
		08-13-03	0905	FIELD BLANK	--	--	--
		08-13-03	0955	ENVIRONMENTAL	8.4	657	7.8
10312150	CARSON RIVER BELOW LAHONTAN RESERVOIR NEAR FALLON, NV	09-24-03	1115	ENVIRONMENTAL	3.0	656	9.5
		09-24-03	1120	REPLICATE	3.0	656	9.5
		10-28-02	1110	ENVIRONMENTAL	263	662	9.6
		04-01-03	1110	ENVIRONMENTAL	450	655	9.6
		05-12-03	1110	ENVIRONMENTAL	188	665	12.1
		06-04-03	1130	ENVIRONMENTAL	706	658	9.4
		07-01-03	1140	ENVIRONMENTAL	986	657	7.0
		08-12-03	1130	ENVIRONMENTAL	657	655	5.3
		09-23-03	0945	FIELD BLANK	--	--	--
		09-23-03	1045	ENVIRONMENTAL	551	658	6.9

QUALITY OF SURFACE WATER
CARSON RIVER BASIN--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unfltrd uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Mercury water fltrd, ng/L (50287)	Mercury water unfltrd ng/L (50286)	Methyl- mercury water fltrd, ng/L (50285)	Methyl- mercury water unfltrd ng/L (50284)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment load, tons/d (80155)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)
10-29-02	--	--	--	--	--	.16	--	<.04	--	--	--	--
10-29-02	103	7.8	560	15.0	12.0	14.9	33.9	.85	1.47	7	.06	43
11-27-02	--	--	--	--	--	3.66	--	<.04	--	--	--	--
11-27-02	101	7.5	389	6.0	3.0	20.5	125	.86	1.33	--	--	--
12-13-02	--	--	--	--	--	.22	--	<.04	--	--	--	--
12-13-02	96	7.7	415	12.5	4.0	17.2	137	.94	1.43	5	1.3	40
12-18-02	--	--	--	--	--	.27	--	<.04	--	--	--	--
12-18-02	102	7.4	285	8.0	1.5	16.5	1260	.90	2.15	116	134	79
01-22-03	--	--	--	--	--	.70	.13	<.04	--	--	--	--
01-22-03	100	7.6	373	13.5	6.0	14.6	250	1.06	1.59	9	4.9	76
02-20-03	--	--	--	--	--	.14	.19	<.04	--	--	--	--
02-20-03	107	7.6	326	5.5	6.0	13.1	203	1.06	1.74	10	6.6	56
03-20-03	--	--	--	--	--	1.16	--	<.04	--	--	--	--
03-20-03	100	7.5	268	8.5	10.0	16.2	315	1.00	2.16	13	9.8	72
03-28-03	--	--	--	--	--	.92	--	<.04	--	--	--	--
03-28-03	94	7.9	285	8.5	8.7	20.4	2360	1.83	5.67	86	92	79
04-15-03	--	--	--	--	--	2.49	--	<.04	--	--	--	--
04-15-03	--	7.4	209	8.5	8.5	21.2	1910	1.85	5.60	130	204	66
05-13-03	--	--	--	--	--	1.15	--	<.04	--	--	--	--
05-13-03	96	7.6	418	24.5	17.5	28.5	367	2.23	3.21	11	3.9	79
05-16-03	--	--	--	--	--	1.76	--	<.04	--	--	--	--
05-16-03	95	7.4	184	15.5	15.0	25.7	1690	2.28	6.02	100	146	76
05-19-03	--	--	--	--	--	.51	--	<.04	--	--	--	--
05-19-03	100	7.2	147	28.0	15.0	25.1	2590	1.48	4.85	172	444	74
05-27-03	--	--	--	--	--	.31	--	<.04	--	--	--	--
05-27-03	95	6.9	86	25.5	15.1	31.4	3740	.61	2.64	421	2390	54
06-03-03	--	--	--	--	--	.44	--	<.04	--	--	--	--
06-03-03	100	7.0	80	27.5	16.3	37.1	3430	.72	2.99	1120	6310	18
06-09-03	--	--	--	--	--	1.20	--	<.04	--	--	--	--
06-09-03	98	7.1	89	29.0	18.5	39.7	5320	1.50	3.46	296	1380	51
06-30-03	--	--	--	--	--	2.01	--	<.04	--	--	--	--
06-30-03	94	7.4	258	28.0	19.5	40.5	1080	1.79	3.05	32	22	67
06-30-03	94	7.4	258	28.0	19.5	38.9	1220	1.90	3.38	--	--	--
08-13-03	--	--	--	--	--	.45	--	<.04	--	--	--	--
08-13-03	98	7.7	525	27.0	19.0	26.5	132	1.16	1.62	2	.05	82
09-24-03	120	8.0	557	31.0	19.0	34.0	105	1.98	2.86	3	.02	76
09-24-03	120	8.0	557	31.0	19.0	33.4	98.9	1.64	2.90	--	--	--
10-28-02	105	7.8	263	16.0	13.0	3.61	213	.07	.15	24	17	99
04-01-03	99	7.7	258	15.5	10.0	4.81	59.4	.12	.15	20	24	91
05-12-03	131	8.1	276	22.0	12.5	6.00	136	.06	.19	13	6.6	94
06-04-03	107	7.8	295	30.5	14.5	5.56	85.9	.08	.20	14	27	85
07-01-03	84	7.6	298	30.0	17.0	6.36	137	.18	.52	17	45	96
08-12-03	69	7.4	275	28.0	21.0	10.4	164	.10	.28	17	30	72
09-23-03	--	--	--	--	--	1.03	--	<.04	--	--	--	--
09-23-03	85	7.5	262	23.0	18.0	5.01	352	.05	.17	59	88	83

Remark codes used in this report:

< -- Less than

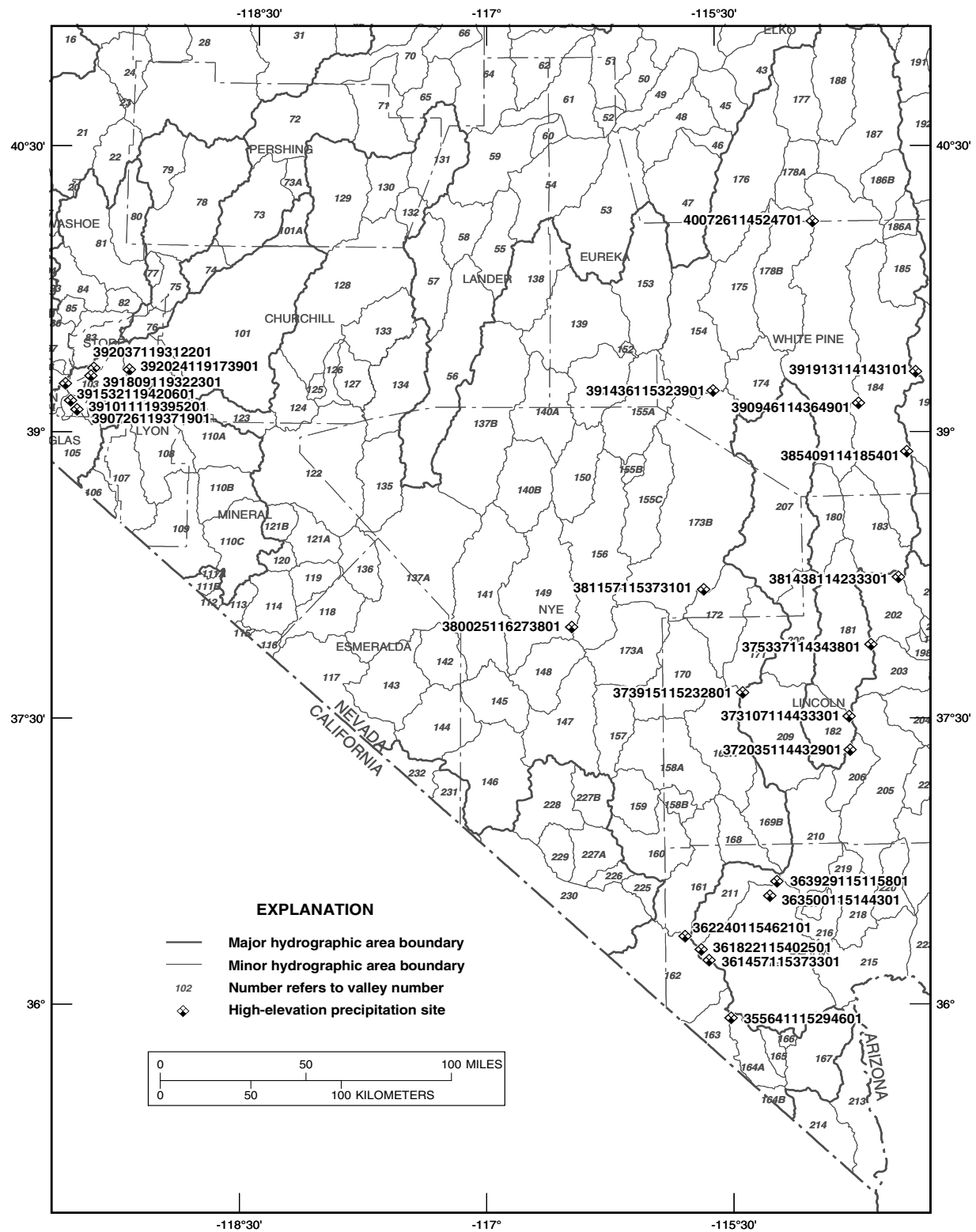


Figure 33. High-elevation precipitation sites listed in this report.

MISCELLANEOUS PRECIPITATION SITES

DAYTON VALLEY

Precipitation data were collected in the Dayton Valley Hydrographic Area as part of a cooperative study with the Carson Water Subconservancy District. The purpose of the study is to refine existing maps showing the distribution of annual precipitation. The following sites are shown in figure 33.

Station Name and Number	Location and Drainage Area	Period	Precipitation (inches)
Basalite Knob 392037119312201	Lat 36°20'37", long 119°31'22", in SE ¹ / ₄ NW ¹ / ₄ sec. 16, T.17N., R.22E., Storey County, Hydrologic Unit 16050202, 8.0 mi northeast of Dayton, elevation 5,580 ft.	10/07/2002 to 09/26/2003	8.04
Brunswick Canyon 390726119371901	Lat 39°07'26", long 119°37'19", in NE ¹ / ₄ SE ¹ / ₄ sec.33, T.15N.,R.20E., Carson City, Hydrologic Unit 16050202, 8.2 mi southeast of Carson City, elevation 6,370 ft.	10/07/2002 to 09/26/2003	7.08
Brunswick Reservoir 391011119395201	Lat 39°10'11", long 119°39'52", in NW ¹ / ₄ NE ¹ / ₄ sec 18, T.15N., R.21E., Carson City, Hydrologic Unit 16050202, 5.4 mi east of Carson City, elevation 5,100 ft.	10/07/2002 to 09/26/2003	5.10
McClellan Peak 391532119420601	Lat 39°15'32", long 119°42'06", in NE ¹ / ₄ NW ¹ / ₄ sec 14, T.16N.,R.20E., Storey County, Hydrologic Unit 16050202, 3.2 mi northeast of Carson City, elevation 7,410 ft.	10/07/2002 to 09/26/03	7.69
Below Six Mile Canyon 391809119322301	Lat 39°18'09", long 119°32'23", in NE ¹ / ₄ NW ¹ / ₄ sec 23, T.17N., R.22E., Lyon County, Hydrologic Unit 16050202, 5.2 mi northeast of Dayton, elevation 4,370 ft.	10/01/2002 to 09/30/2003	4.48
Churchill Butte 392024119173901	Lat 39°20'24", long 119°17'39", in SW ¹ / ₄ NE ¹ / ₄ sec 16, T.17N., R.24E., Lyon County, Hydrologic Unit 16050202, elevation 6, 030 ft.	10/08/2002 to 09/26/2003	4.14

DAYTON VALLEY

Water-level data were collected in the Dayton Valley Hydrographic Area as part of a cooperative study with the Carson Water Subconservancy District. The purpose of the study is to determine the hydrologic response to seasonal recharge and to continued development in the area.

Water Level Method: S, steel tape; T, electric tape.

The following sites are shown in figure 32.

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)		
				Date	(Feet)	Method
103 N15 E20 01AACD1	391129119404801	256.	4898.	07/23/2003	213.5	T
103 N16 E21 23CCBA1	391401119360101	416.	4626.6	10/08/2002	280.0	T
				10/30/2002	279.6	T
				12/16/2002	278.6	T
				01/06/2003	278.3	T
				02/05/2003	278.3	T
				03/07/2003	278.2	T
				03/27/2003	278.3	T
				05/13/2003	278.2	T
				07/23/2003	278.7	T
				09/26/2003	280.1	T
103 N16 E21 24DDBC1	391354119343701	135.	4440.	10/08/2002	83.35	S
				10/30/2002	83.43	S
				12/16/2002	81.45	S
				01/06/2003	81.06	S
				02/05/2003	80.72	S
				03/14/2003	80.66	S
				03/27/2003	80.64	S
				05/13/2003	80.47	S
				07/23/2003	79.28	S
103 N16 E21 24DDBC2	391358119340801	162.	4432.0	10/08/2002	119.1	T
				10/30/2002	119.4	T
				12/16/2002	116.1	T
				01/06/2003	115.7	T
				02/05/2003	114.9	T
				03/14/2003	113.6	T
				03/27/2003	113.4	T
				05/13/2003	114.8	T
				07/23/2003	118.7	T
				09/26/2003	122.57	S
103 N16 E21 29BCCC1	391324119392501	222.	4835.	10/08/2002	64.0	T
				10/30/2002	64.2	T
				12/16/2002	64.1	T
				01/06/2003	64.4	T
				02/05/2003	64.4	T
				03/07/2003	64.4	T
				03/27/2003	64.6	T
				05/13/2003	64.7	T
				07/23/2003	64.8	T
				09/26/2003	65.0	T
103 N16 E21 30CDBA1	391308119401201	113.	4952.	10/08/2002	52.6	T
				10/30/2002	52.8	T
				12/16/2002	52.9	T
				01/06/2003	53.0	T
				02/05/2003	53.0	T
				03/07/2003	53.1	T
				03/27/2003	53.1	T
				05/13/2003	53.0	T
				07/23/2003	53.1	T
				09/26/2003	53.4	T
103 N16 E22 09BCBC2	391608119313601	600.	4345.3	10/08/2002	59.99	S
				12/16/2002	58.47	S
				01/06/2003	58.36	S
				02/05/2003	58.05	S
				03/14/2003	57.98	S
				03/27/2003	58.00	S
				05/13/2003	58.24	S
				07/23/2003	59.39	S
				09/26/2003	59.99	S

GROUND-WATER LEVELS

DAYTON VALLEY--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)		
				Date	(Feet)	Method
103 N16 E22 18DDDD1	391429119325401	273.	4365.	10/08/2002	74.83	S
				10/30/2002	71.65	S
				12/16/2002	69.23	S
				01/06/2003	68.95	S
				02/05/2003	68.50	S
				03/14/2003	68.95	S
				03/27/2003	72.53	S
				05/13/2003	72.78	S
				07/23/2003	75.44	S
				09/26/2003	71.79	S
103 N17 E22 28BACA1	391853119311201	150.	4393.6	10/08/2002	108.6	T
				11/01/2002	108.6	T
				12/16/2002	108.2	T
				01/06/2003	108.1	T
				02/05/2003	107.9	T
				03/14/2003	107.8	T
				03/27/2003	107.7	T
				05/13/2003	107.7	T
				07/23/2003	108.4	T
				09/26/2003	108.66	S
103 N17 E22 30DBCD1	391824119331001	230.	4442.9	10/08/2002	155.7	T
				10/30/2002	155.6	T
				12/16/2002	155.1	T
				01/06/2003	154.9	T
				02/05/2003	154.7	T
				03/14/2003	154.5	T
				03/27/2003	154.4	T
				05/13/2003	154.4	T
				07/23/2003	155.1	T
				09/26/2003	155.70	S
103 N17 E22 32CADA1	391733119321001	101.	4346.5	10/08/2002	57.4	T
				10/30/2002	57.4	T
				12/16/2002	57.2	T
				01/06/2003	57.0	T
				02/05/2003	56.8	T
				03/14/2003	56.6	T
				03/17/2003	56.64	S
				03/27/2003	56.5	T
				05/13/2003	56.6	T
				07/23/2003	56.8	T
103 N17 E23 01DDBA1	392129119205301	276.	4455.	09/26/2003	57.39	S
				03/27/2003	237.5	T
103 N17 E23 07DDDD1	392047119260501	386.	4324.0	03/17/2003	96.49	S
				04/02/2003	96.49	S
103 N17 E23 09CCDB1	392050119244701	82.	4270.83	03/17/2003	48.63	S
				04/02/2003	48.68	S
103 N17 E23 09DAAA1	392110119235001	84.	4281.70	03/17/2003	65.27	S
				04/02/2003	65.31	S

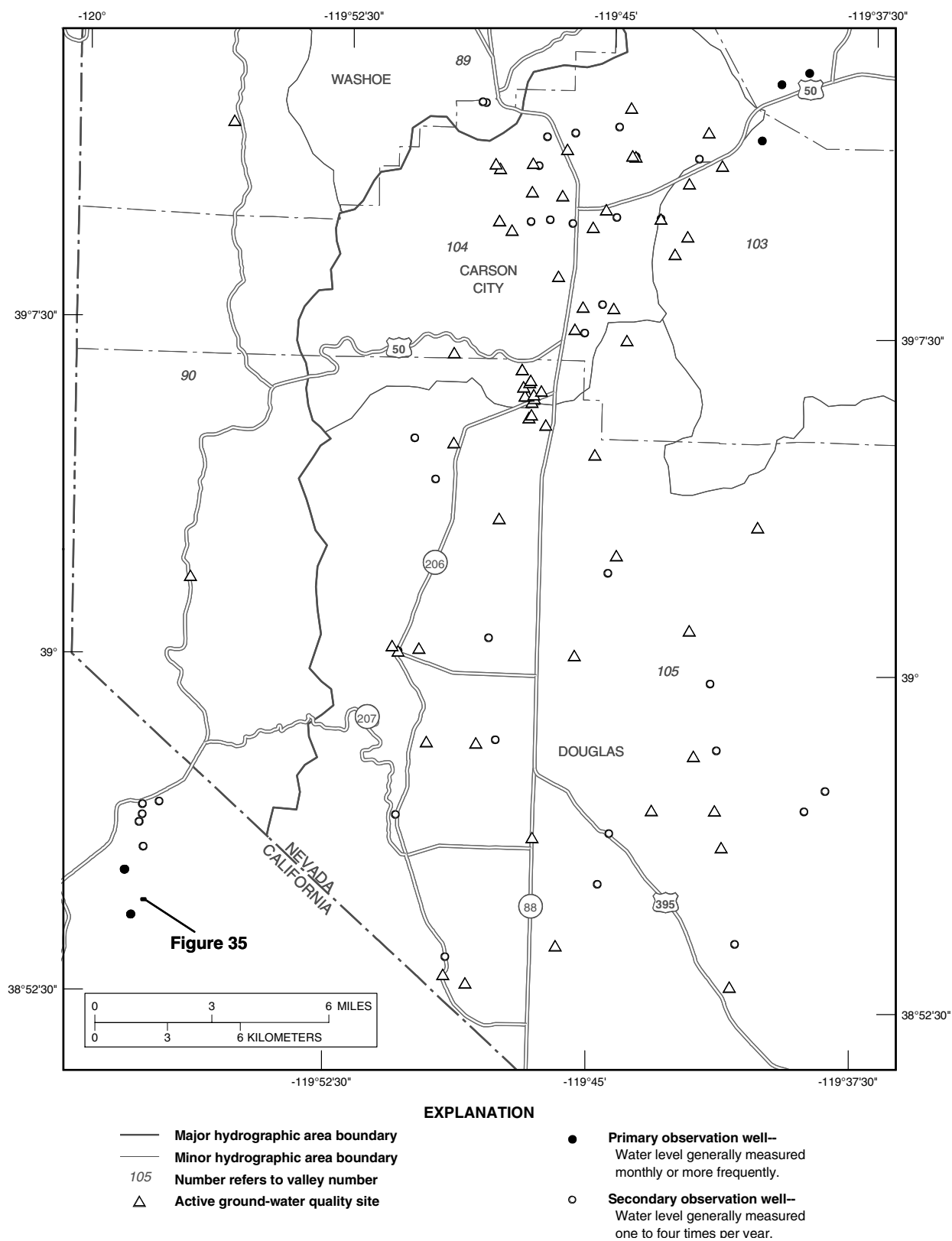


Figure 34. Ground-water sites, western Nevada.

QUALITY OF GROUND WATER
DOUGLAS COUNTY

Water-quality measurements in the following table were made in cooperation with the Carson Water Subconservancy District to establish background information in Douglas County to determine if changes in water quantity and quality occur. Depths and Water Levels: Depths are referenced to land-surface datum (LSD). Quality-assurance samples are defined in the introductory text section titled "Water Quality-Control Data." The following sites are shown in figure 34.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	Local number	Date	Time	Sample type	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	pH, water, unfltrd, field, std units (00400)
385255119482301	105 N12 E19 23DDD 1	09-11-03	1250	ENVIRONMENTAL	141.	--	8.6
385300119405702	105 N12 E20 24DCDB2	04-09-03	1505	ENVIRONMENTAL	180.	117.60	7.5
	105 N12 E20 24DCDB2	04-09-03	1530	FIELD BLANK	180.	--	--
	105 N12 E20 24DCDB2	09-02-03	1311	ENVIRONMENTAL	180.	--	7.4
385352119455401	105 N12 E20 17CCDA1	09-10-03	1410	ENVIRONMENTAL	91.	28.67	6.8
385654119431801	105 N13 E20 34ACC 1	09-08-03	1421	ENVIRONMENTAL	80.	--	7.5
385801119421501	105 N13 E20 26ABBB1	04-09-03	1330	ENVIRONMENTAL	130.	74.80	7.4
	105 N13 E20 26ABBB1	09-03-03	1420	ENVIRONMENTAL	130.	--	7.4
390015119500101	105 N13 E19 10DEB 1	09-11-03	1145	ENVIRONMENTAL	115.	--	7.5
390016119504101	105 N13 E19 09DAAB1	08-15-03	1135	ENVIRONMENTAL	159.	--	6.5
	105 N13 E19 09DAAB1	08-15-03	1421	FIELD BLANK	159.	--	--
390017119453901	105 N13 E20 08CAA 1	09-10-03	1110	ENVIRONMENTAL	130.	--	8.2
390021119504301	105 N13 E19 09ADCA1	09-11-03	1100	ENVIRONMENTAL	180.	--	7.1
390055119421901	105 N13 E20 02CDAA1	04-09-03	1125	ENVIRONMENTAL	176.	125.70	7.8
	105 N13 E20 02CDAA1	09-04-03	1320	ENVIRONMENTAL	176.	128.18	7.9
390230119480001	105 N14 E19 25BA 1	04-02-03	1100	ENVIRONMENTAL	239.	16.58	7.1
	105 N14 E19 25BA 1	09-03-03	1120	ENVIRONMENTAL	239.	--	6.8
390232119443201	105 N14 E20 28CDC 1	04-03-03	1305	ENVIRONMENTAL	88.	--	7.5
	105 N14 E20 28CDC 1	09-04-03	1200	ENVIRONMENTAL	88.	--	7.5
390446119451401	105 N14 E20 17ADCA1	04-03-03	1110	ENVIRONMENTAL	27.	1.84	6.7
	105 N14 E20 17ADCA1	09-04-03	1026	ENVIRONMENTAL	27.	8.54	6.8
	105 N14 E20 17ADCA1	09-04-03	1042	FIELD BLANK	27.	--	--
390457119491301	105 N14 E19 14BED 1	09-11-03	0945	ENVIRONMENTAL	100.	--	8.7
390524119464001	105 N14 E20 07DBCB1	08-15-03	1240	ENVIRONMENTAL	--	--	7.3
390533119470901	105 N14 E20 07BCCD1	08-12-03	1440	ENVIRONMENTAL	322.	--	9.5
390537119470501	105 N14 E20 07BCDB1	08-13-03	1410	ENVIRONMENTAL	--	--	8.5
390554119470501	104 N14 E20 07BBAC1	08-13-03	1315	ENVIRONMENTAL	232.	--	7.6
390559119470101	104 N14 E20 07BBAA1	08-15-03	1010	ENVIRONMENTAL	150.	--	7.0
390602119471201	104 N14 E20 06CCCB1	08-13-03	1000	ENVIRONMENTAL	--	--	7.6
390602119471701	104 N14 E19 01DDDA1	08-14-03	1120	ENVIRONMENTAL	--	--	7.5
390604119470201	104 N14 E20 06CCDA1	08-14-03	1000	ENVIRONMENTAL	60.	--	6.7
390609119464901	104 N14 E20 06CDAB1	08-12-03	1300	ENVIRONMENTAL	165.	--	7.4
390614119472001	104 N14 E19 01DADC1	08-14-03	1200	ENVIRONMENTAL	--	--	8.1
390620119471001	104 N14 E20 06CEBD1	08-13-03	1145	ENVIRONMENTAL	--	--	7.8
390623119470801	104 N14 E20 06CBBA1	08-13-03	1100	ENVIRONMENTAL	270.	--	7.5

QUALITY OF GROUND WATER
DOUGLAS COUNTY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Alka- linity, wat flt fxd end lab, mg/L as CaCO3 (29801)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)
09-11-03	127	21.0	16.3	6.16	.188	.77	17.3	32	32	1.07	.8	16.3	79
04-09-03	549	23.0	15.0	57.5	22.6	6.02	29.9	170	170	31.6	.10	65.8	430
04-09-03	--	--	--	<.01	<.008	<.10	E.05	<2	--	<.20	.02	<.2	<10
09-02-03	586	23.0	15.1	57.4	24.4	6.22	31.7	171	171	32.9	<.2	67.2	422
09-10-03	221	--	14.9	19.0	7.92	2.37	8.88	67	67	4.85	<.2	12.1	161
09-08-03	472	24.0	16.4	59.7	11.4	2.29	34.2	212	212	15.0	<.2	25.1	312
04-09-03	282	22.5	16.0	28.8	8.17	3.01	22.8	125	125	4.74	.15	25.9	225
09-03-03	305	23.0	16.4	29.4	8.49	2.91	23.4	126	126	6.01	.2	25.9	231
09-11-03	227	--	12.4	29.1	6.18	1.40	10.1	109	108	2.61	<.2	2.7	143
08-15-03	164	19.5	13.8	--	--	--	--	--	--	3.05	<.2	2.9	136
08-15-03	--	--	--	--	--	--	--	--	--	<.20	<.2	<.2	<10
09-10-03	219	20.5	18.0	11.9	.936	3.47	25.5	69	69	4.94	.8	17.1	164
09-11-03	303	23.0	13.1	39.6	5.47	2.96	13.5	144	145	1.52	.2	11.2	190
04-09-03	365	16.5	19.5	11.8	1.95	2.32	66.7	140	139	11.1	3.22	22.9	279
09-04-03	403	24.0	20.3	17.6	2.82	2.56	60.5	135	134	19.4	2.5	23.8	281
04-02-03	676	16.0	10.0	33.3	6.29	2.91	103	137	118	61.1	3.58	115	421
09-03-03	652	23.0	16.3	34.2	6.40	2.96	98.2	143	145	59.1	3.2	101	423
04-03-03	810	9.5	15.5	50.8	7.20	4.70	71.7	199	197	22.1	1.65	66.8	432
09-04-03	589	21.0	15.7	50.3	7.24	4.64	67.5	195	200	26.0	1.6	68.4	441
04-03-03	5360	5.5	--	286	6.38	6.42	788	193	191	220	6.85	1820	3520
09-04-03	4850	19.5	14.7	560	40.3	11.8	1050	193	177	195	6.2	2570	4590
09-04-03	--	--	--	.01	E.003	<.16	<.10	<2	--	<.20	<.2	<.2	<10
09-11-03	141	21.0	14.9	14.8	.080	.92	14.4	62	62	1.08	<.2	.9	89
08-15-03	379	22.0	16.7	--	--	--	--	--	--	21.9	.5	18.0	298
08-12-03	233	24.0	18.4	--	--	--	--	--	--	9.46	.7	13.0	159
08-13-03	252	25.0	17.0	--	--	--	--	--	--	10.1	1.1	13.2	193
08-13-03	237	25.0	15.0	--	--	--	--	--	--	10.3	1.5	15.8	232
08-15-03	317	19.0	15.2	--	--	--	--	--	--	16.4	1.0	13.5	269
08-13-03	265	22.0	14.5	--	--	--	--	--	--	13.5	2.0	33.4	227
08-14-03	199	19.0	17.3	--	--	--	--	--	--	7.83	.8	12.2	164
08-14-03	634	16.8	--	--	--	--	--	--	--	57.5	.6	41.6	469
08-12-03	268	25.0	14.5	--	--	--	--	--	--	10.3	1.0	11.5	247
08-14-03	132	20.0	14.4	--	--	--	--	--	--	2.77	.4	3.6	128
08-13-03	187	22.0	13.8	--	--	--	--	--	--	8.61	.8	13.9	158
08-13-03	318	22.0	21.9	--	--	--	--	--	--	13.0	.6	15.3	225

QUALITY OF GROUND WATER
DOUGLAS COUNTY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Iron, water, fltrd, ug/L (01046)
09-11-03	<.015	.041	<.002	.016	9
04-09-03	<.04	11.1	<.008	.04	E9
04-09-03	<.04	<.06	<.008	<.02	<10
09-02-03	<.04	10.8	<.008	.04	<8
09-10-03	<.015	4.61	<.002	.091	9
09-08-03	<.015	1.85	<.002	.125	<8
04-09-03	<.015	1.06	<.002	.059	E5
09-03-03	<.015	1.37	<.002	.062	<8
09-11-03	<.015	1.70	<.002	.069	13
08-15-03	<.04	1.01	<.008	E.02	--
08-15-03	<.04	<.06	<.008	<.18	--
09-10-03	E.010	<.022	<.002	.030	16
09-11-03	<.015	.182	<.002	.019	E4
04-09-03	<.015	1.04	<.002	<.007	<10
09-04-03	<.015	2.12	<.002	<.007	E4
04-02-03	.043	.546	<.002	.147	20
09-03-03	.033	.555	<.002	.121	E8
04-03-03	<.015	5.78	<.002	.022	<10
09-04-03	<.015	2.08	<.002	.021	<8
04-03-03	.231	--	.048	--	10800
09-04-03	.320	<.022	<.002	.157	8710
09-04-03	<.015	<.022	<.002	<.007	<8
09-11-03	<.015	1.24	<.002	E.006	--
08-15-03	<.04	4.57	<.008	<.18	--
08-12-03	<.04	.15	.015	E.02	--
08-13-03	<.04	1.71	.032	<.02	--
08-13-03	<.04	1.11	<.008	E.01	--
08-15-03	<.04	7.10	<.008	.07	--
08-13-03	<.04	<.06	<.008	.04	--
08-14-03	<.04	1.82	<.008	.04	--
08-14-03	<.04	20.7	<.008	.16	--
08-12-03	<.04	5.39	<.008	E.02	--
08-14-03	<.04	2.12	<.008	.03	--
08-13-03	<.04	1.31	<.008	<.18	--
08-13-03	<.04	5.91	<.008	.02	--

Remark codes used in this report:

< -- Less than

E -- Estimated value

GROUND-WATER LEVELS

DOUGLAS COUNTY

Water Level Status--O, well obstructed; R, site had been pumped recently;

V, foreign substance was present on the surface of the water.

Water Level Method--S, steel tape; G, pressure gage; T, electric tape.

The following sites are shown in figure 34.

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet) Above Sea Level)	Water Level (Below Land Surface)			
				Date	(Feet)	Status	Method
105 N12 E19 23BDBA1	385329119490501	305.	4800.	03/19/2003	8.18		S
105 N12 E20 04BAAA2	385620119453101	21.	4755.	03/19/2003	9.9		T
105 N12 E20 09BCAD1	385512119444801	450.	4769.	03/18/2003	30.11		S
105 N12 E20 13DDBB1	385413119405001	250.	5000.	05/13/2003	162.96	R	S
105 N13 E19 09DAAB1	390016119504101	159.	4776.	03/19/2003	48		T
105 N13 E19 12BBAD1	390037119480701	400.	4667.	03/19/2003	-10.2		G
105 N13 E19 24CADD1	385821119475001	401.	4685.	03/19/2003	-10.4		G
105 N13 E19 33DADD1	385637119503701	80.	4765.	03/19/2003	25.3		T
105 N13 E20 14AADA1	385944119414501	301.	4890.	12/10/2002	111.62		S
				04/01/2003	112.03		S
				06/24/2003	112.68		S
				09/30/2003	113.21		S
				12/10/2002	92.47		S
				04/01/2003	92.7		S
105 N13 E21 28CCBC1	385724119382301	95.	5160.	06/24/2003		O	
				03/19/2003	66.97		S
				12/10/2002	39.43		S
				03/19/2003	39.3		T
				06/24/2003	41.04	R	S
				09/30/2003	43.62		S
105 N14 E19 15BBAB1	390501119502401	240.	5138.	03/19/2003	29.4		T
105 N14 E19 22ABAD1	390407119494601	44.	5051.	03/19/2003	14.02		S
105 N14 E20 33BCDA1	390208119444601	218.	4683.	03/19/2003	4.7	V	S

QUALITY OF WATER

DRY VALLEY

Water-quality measurements in the following table were made in cooperation with Washoe County to collect water-quality data in Dry Valley.
Depths and Water Levels: Depths are referenced to land-surface datum (LSD). The following sites are shown in figure 30.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number		Station name		Date	Time	Sample type	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Flow rate, instantaneous gal/min (00059)
395523119553901	095	N18 E24 26ABAC1	SPR SE OF GOOSEBERRY SPR	01-23-03	1400	ENVIRONMENTAL	--	--	--
395620119590901	095	N24 E18 17DCCD1	SEVEN LAKES SPRING	01-23-03	1030	ENVIRONMENTAL	--	--	--
395657119571601	095	N24 E18 15BACC1	DV-1	06-25-03	1000	ENVIRONMENTAL	20.	9.09	--
395704119564501	095	N24 E18 15ABAC1	SPRING NEAR DV-1	01-23-03	1200	ENVIRONMENTAL	--	--	--
395734119595503	095	N24 E18 07DAAC3	OBS-100 SHALLOW	05-07-03	1130	ENVIRONMENTAL	40.	5.90	--
395737119595501	095	N24 E18 07DAAB1	OBS-300 DEEP	05-14-03	1245	ENVIRONMENTAL	385.	10.14	1.0

Date	Baro-metric pressure, mm Hg (00025)	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of saturation (00301)	pH, water, unfltrd std units (00400)	Specif. conductance, uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnesium water, fltrd, mg/L (00925)	Potassium water, fltrd, mg/L (00935)	Sodium water, fltrd, mg/L (00930)	Alkalinity, water flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, water flt incrm. titr., field, mg/L (00453)
01-23-03	--	5.2	--	7.4	380	13.0	9.0	12.3	2.86	3.73	67.0	124	151
01-23-03	--	11.5	--	7.6	260	13.0	9.5	23.0	14.6	1.91	15.4	133	162
06-25-03	653	5.6	70	7.5	528	--	18.5	35.3	20.2	2.00	53.4	210	256
01-23-03	--	5.6	--	6.7	339	13.0	13.0	3.79	1.33	2.01	73.0	128	156
05-07-03	645	.1	--	7.4	530	9.5	12.5	22.0	9.75	2.48	86.9	208	253
05-14-03	645	.2	2	7.4	435	24.0	15.5	26.5	13.8	3.39	51.6	190	232

Date	Carbonate, water flt incrm. titr., field, mg/L (00452)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC, wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate, water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)
01-23-03	<1	.16	23.1	.25	48.7	29.4	268	.23	.04	E.04	<.008	.46
01-23-03	<1	.04	3.07	<.17	47.2	4.5	187	E.05	<.04	1.31	<.008	.04
06-25-03	<1	.17	19.6	.5	55.8	20.0	347	E.07	<.04	.94	E.005	.17
01-23-03	<1	.08	10.8	.40	57.0	23.1	254	.13	E.02	.83	<.008	.11
05-07-03	<1	.12	14.8	.37	46.1	29.8	353	.24	.17	<.06	<.008	4.26
05-14-03	<1	.09	10.4	.23	62.9	15.8	303	<.10	<.04	.80	E.004	.12

Date	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryllium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chromium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)
01-23-03	3	E.19	6.3	10	<.06	62	E.02	<.8	.05	.4	<10	<.08	16.3
01-23-03	2	<.30	1.8	14	<.06	14	<.04	<.8	.08	.4	<10	<.08	2.1
06-25-03	M	E.17	5.0	50	<.06	52	E.03	<.8	.23	5.5	<.8	.18	.7
01-23-03	E1	<.30	9.4	5	<.06	395	.07	<.8	.10	.4	<10	<.08	37.3
05-07-03	2	.35	6.9	48	<.06	59	.04	<.8	.47	.6	19	<.08	1.6
05-14-03	E1	<.30	7.5	39	<.06	33	.04	1.1	.14	.6	<10	<.08	.6

Date	Manganese, water, fltrd, ug/L (01056)	Molybdenum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selenium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Strontium, water, fltrd, ug/L (01080)	Thallium, water, fltrd, ug/L (01057)	Vanadium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	Deuterium/Protium ratio, water, unfltrd per mil (82082)	O-18 / O-16 ratio, water, unfltrd per mil (82085)	Uranium natural, water, fltrd, ug/L (22703)
01-23-03	.8	2.4	.65	1.0	<.20	54.0	<.04	5.5	M	-112	-14.62	2.99
01-23-03	.6	.4	1.04	E.4	<.20	164	<.04	12.6	<1	-112	-14.39	1.19
06-25-03	103	5.3	1.10	E.5	<.20	333	<.04	22.9	239	-105	-13.45	3.89
01-23-03	18.8	24.4	.35	E.3	<.20	27.4	<.04	4.4	M	-114	-14.34	4.07
05-07-03	407	13.7	1.93	<.5	<.20	189	<.04	3.4	1	-112	-14.30	1.13
05-14-03	51.3	8.9	.87	E.5	<.20	208	<.04	41.9	M	-113	-14.62	4.71

Remark codes used in this report:

< -- Less than

E -- Estimated value

M -- Presence verified, not quantified

DRY VALLEY

Water-level data were collected in the Dry Valley area, north-central Nevada as part of a water-resources investigation in cooperation with Washoe County. The purposes of the study are to estimate natural ground-water discharge and characterize the quality of ground water in Dry Valley.

Water Level Status: S, nearby pumping.

Water Level Method: R, reported; S, steel tape; T, electric tape.

Water Level Accuracy--0, water level accurate to the nearest foot; 1, water level accurate to the nearest tenth of a foot;

2, water level accurate to the nearest one-hundredth of a foot.

The following sites are shown in figure 30.

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)				
				Date	(Feet)	Status	Method	Accuracy
024N017E01F01M	395740120012601		4370.	03/06/2003	16.02		S	2
				03/28/2003	15.94		S	2
				05/05/2003	16.01		S	2
				06/19/2003	15.90		S	2
				08/14/2003	16.43		S	2
				11/20/2003	16.84		S	2
024N018E06H01M	395832119595901		4544.	01/30/2004	16.78		S	2
				01/07/2003	116.55		T	1
				03/06/2003	116.55		T	1
				05/05/2003	117.89		S	2
				06/19/2003	118.07		S	2
				08/14/2003	116.55		T	1
024N018E07D01M	395748120004601		5382.3	11/20/2003	113.40		T	1
				01/30/2004	114.23		T	1
				01/07/2003	6.77		T	1
				03/06/2003	6.89		T	1
				05/05/2003	6.86		S	2
				06/19/2003	7.12		S	2
024N018E07J01M	395734119595601	440.	4406.4	08/14/2003	7.61		T	1
				11/20/2003	7.28		T	1
				01/30/2004	7.12		T	1
				11/19/2002	11.40		T	1
				12/19/2002	11.05		T	1
				12/23/2002	10.98		T	1
				12/30/2002	10.91		T	1
				01/07/2003	10.75		T	1
				01/21/2003	10.65		T	1
				01/23/2003	11.24		T	1
				03/06/2003	10.48		T	1
				03/28/2003	10.55		T	1
				05/01/2003	10.96		T	1
				05/14/2003	10.69		T	1
				07/08/2003	12.19		T	1
				07/10/2003	13.45		T	1
095 N24 E18 07ADAB1	395747119595401	140.	4403.8	08/14/2003	12.92		T	1
				11/20/2003	11.70		S	2
				01/30/2004	11.56		T	1
				11/13/2002	9.00		R	0
				11/19/2002	6.11		T	1
				12/19/2002	3.23		T	1
				12/23/2002	3.20		T	1
				12/30/2002	3.12		T	1
				01/07/2003	2.95		T	1
				01/21/2003	2.80		T	1
				01/22/2003	2.81		T	1
				01/22/2003	2.80		T	1
				01/23/2003	2.81		T	1
				02/12/2003	2.65		T	1
				03/06/2003	2.56		T	1
				03/28/2003	2.52		T	1
				05/01/2003	2.51		T	1
				05/01/2003	2.50		T	1
				05/14/2003	2.63		T	1

GROUND-WATER LEVELS

DRY VALLEY--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)				
				Date	(Feet)	Status	Method	Accuracy
095 N24 E18 07ADAB1	395747119595401	140.	4403.8	06/19/2003	2.95		S	2
				07/01/2003	3.08		T	1
				07/08/2003	3.20		T	1
				08/14/2003	3.74		T	1
				11/20/2003	3.91		T	1
				01/30/2004	3.57		T	1
095 N24 E18 07DAAB1	395737119595501	385.	4401.9	11/10/2002	9.00		R	0
				11/14/2002	10.37		T	1
				11/19/2002	10.59		T	1
				12/19/2002	10.20		T	1
				12/23/2002	10.12		T	1
				12/30/2002	10.10		T	1
				01/07/2003	9.88		T	1
				01/21/2003	9.79		T	1
				01/22/2003	9.81		T	1
				01/23/2003	10.70		T	1
				02/12/2003	9.71		T	1
				03/06/2003	9.76		T	1
				03/28/2003	8.80		T	1
				05/01/2003	10.25		T	1
				05/01/2003	10.25		T	1
				05/01/2003	10.28	S	T	1
				05/01/2003	10.78	S	T	1
				05/01/2003	12.59	S	T	1
				05/01/2003	15.52	S	T	1
				05/01/2003	14.03	S	T	1
				05/14/2003	10.14		T	1
				06/19/2003	11.25		S	2
				07/01/2003	10.43		T	1
				07/08/2003	10.90		T	1
				07/10/2003	12.57		T	1
				07/10/2003	12.19	S	T	1
				07/10/2003	12.26	S	T	1
				07/10/2003	12.44	S	T	1
				07/16/2003	8.19		T	1
				08/14/2003	11.67	S	T	1
				11/20/2003	10.69		T	1
				01/30/2004	10.39		T	1
095 N24 E18 07DAAB2	395737119595502	150.	4401.9	11/10/2002	9.00		R	0
				11/14/2002	7.62		T	1
				11/19/2002	7.45		T	1
				12/19/2002	6.48		T	1
				12/23/2002	6.35		T	1
				12/30/2002	6.28		T	1
				01/07/2003	6.08		T	1
				01/21/2003	5.76		T	1
				01/22/2003	5.77		T	1
				01/23/2003	6.53		T	1
				02/12/2003	5.50		T	1
				03/06/2003	4.95		T	1
				03/28/2003	4.50		T	1
				05/01/2003	5.03	S	T	1
				05/01/2003	5.04	S	T	1
				05/01/2003	5.24	S	T	1
				05/01/2003	5.05	S	T	1
				05/01/2003	5.73	S	T	1
				05/01/2003	5.04		T	1
				05/01/2003	5.04		T	1
				05/14/2003	6.97		T	1
				06/19/2003	7.10		S	1
				07/01/2003	7.24		T	1
				07/08/2003	7.07		T	1

GROUND-WATER LEVELS

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DRY VALLEY--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)				
				Date	(Feet)	Status	Method	Accuracy
095 N24 E18 07DAAB2	395737119595502	150.	4401.9	07/10/2003	7.91	S	T	1
				07/10/2003	7.95		T	2
				07/10/2003	7.92	S	T	1
				07/10/2003	7.90	S	T	1
				07/16/2003	11.00		T	1
				08/14/2003	9.71	S	T	1
				11/20/2003	7.38		T	1
				01/30/2004	7.01		T	0
				11/05/2002	16.00		R	1
				11/09/2002	33.40		T	1
095 N24 E18 07DAAC1	395734119595501	547.	4404.3	11/11/2002	38.70		T	1
				11/12/2002	17.49		T	1
				11/14/2002	15.40		T	1
				11/19/2002	15.06		T	1
				12/03/2002	20.76		T	1
				12/19/2002	19.43		T	1
				12/23/2002	19.37		T	1
				12/30/2002	19.26		T	1
				01/07/2003	19.07		T	1
				01/21/2003	16.39		T	1
				01/22/2003	17.39		T	1
				01/23/2003	17.30		T	1
				02/12/2003	17.24		T	1
				03/06/2003	17.09		T	1
				03/28/2003	17.04		T	1
				05/01/2003	18.23	S	T	1
				05/01/2003	18.37	S	T	1
				05/01/2003	17.10		T	1
				05/01/2003	17.10		T	1
				05/01/2003	17.13	S	T	1
				05/01/2003	18.95	S	T	2
				05/01/2003	17.10	S	T	1
				05/14/2003	16.93		T	1
				06/19/2003	16.87		S	1
				07/08/2003	16.98		T	1
				07/10/2003	16.93		T	1
				08/14/2003	17.04	S	T	0
				11/20/2003	17.19		T	1
				01/30/2004	16.69		T	1
095 N24 E18 07DAAC2	395734119595502	250.	4404.3	11/05/2002	13.00		R	1
				11/09/2002	11.90		T	1
				11/11/2002	12.20		T	1
				11/12/2002	15.20		T	1
				11/14/2002	11.91		T	1
				11/19/2002	12.46		T	1
				12/19/2002	8.45		T	1
				12/23/2002	8.44		T	1
				12/30/2002	8.43		T	1
				01/07/2003	8.18		T	1
				01/22/2003	7.75		T	1
				01/23/2003	8.66		T	1
				02/12/2003	7.51		T	1
				03/06/2003	7.51		T	1
				03/28/2003	7.53		T	1
				05/01/2003	11.16	S	T	1
				05/01/2003	8.21		T	1
				05/01/2003	8.21		T	1
				05/01/2003	8.26	S	T	1
				05/01/2003	9.83	S	T	1
				05/01/2003	12.58	S	T	1
				05/01/2003	8.53	S	T	2
				05/14/2003	9.32		T	1

GROUND-WATER LEVELS

DRY VALLEY--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)				
				Date	(Feet)	Status	Method	Accuracy
095 N24 E18 07DAAC2	395734119595502	250.	4404.3	06/19/2003	13.87		S	1
				07/08/2003	12.71		T	1
				07/10/2003	15.44		T	1
				08/14/2003	14.59	S	T	1
				11/20/2003	11.92		T	1
				01/30/2004	11.57		T	1
095 N24 E18 07DAAC3	395734119595503	40.	4405.8	11/05/2002	8.00		R	1
				11/09/2002	5.3		T	1
				11/11/2002	5.7		T	1
				11/12/2002	8.66		T	1
				11/14/2002	6.94		T	1
				11/19/2002	6.94		T	1
				12/19/2002	6.12		T	2
				12/23/2002	6.02		T	1
				12/30/2002	5.90		T	1
				01/07/2003	5.83		T	2
				01/21/2003	5.74		T	1
				01/22/2003	5.72		T	1
				01/23/2003	6.05		T	1
				02/12/2003	5.64		T	1
				03/06/2003	5.60		T	1
				03/28/2003	5.55		T	1
				05/01/2003	5.75	S	T	1
				05/01/2003	5.68	S	T	1
				05/01/2003	5.88	S	T	1
				05/01/2003	5.78	S	T	1
				05/01/2003	5.96	S	T	1
				05/01/2003	5.58		T	1
				05/01/2003	5.58		T	1
				05/14/2003	6.05		T	1
				06/19/2003	6.79		S	1
				07/08/2003	6.83		T	1
				07/10/2003	7.43		T	1
				08/14/2003	7.46	S	T	1
				11/20/2003	7.15		T	1
				01/30/2004	6.75		T	1
095 N24 E18 08ACCC1	395739119591401	23.	4415.2	10/21/2002	7.85		T	1
				11/19/2002	7.39		T	1
				01/07/2003	6.39		T	1
				01/21/2003	6.12		T	1
				01/22/2003	6.11		T	1
				02/12/2003	5.92		T	2
				03/06/2003	5.75		T	2
				03/28/2003	5.70		T	2
				05/05/2003	5.65		S	2
				05/07/2003	5.65		T	2
				05/14/2003	5.65		T	2
				06/19/2003	6.52		S	2
				08/14/2003	7.94		T	1
				11/20/2003	7.94		T	1
095 N24 E18 08CBAA1	395736119593501	44.	4408.7	01/30/2004	7.40		T	1
				11/19/2002	3.38		T	2
				12/30/2002	2.66		T	2
				01/07/2003	2.43		T	1
				03/06/2003	2.28		T	1
				05/01/2003	.98		T	1
				08/14/2003	3.39		T	1
095 N24 E18 08CBAA2	395735119593401	41.	4408.4	11/20/2003	3.82		T	1
				01/30/2004	3.28		T	1
				11/19/2002	3.20		T	2
				12/19/2002	2.70		T	2
				12/30/2002	2.33		T	1

GROUND-WATER LEVELS

509

DRY VALLEY--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)				
				Date	(Feet)	Status	Method	Accuracy
095 N24 E18 08CBAA2	395735119593401	41.	4408.4	01/07/2003	2.16		T	1
				01/21/2003	1.97		T	1
				01/22/2003	1.99		T	1
				02/12/2003	1.79		T	1
				03/06/2003	1.53		T	1
				03/28/2003	1.65		T	2
				05/01/2003	1.85		T	2
				05/07/2003	1.93		T	1
				08/14/2003	3.53		T	1
				11/20/2003	3.55		T	1
095 N24 E18 08CCDC1	395716119593801	100.	4438.9	01/30/2004	3.11		T	0
				11/21/2002	34.35	S	S	1
				01/22/2003	33.87		S	1
				03/06/2003	33.50		S	1
				05/05/2003	33.30		S	1
				06/24/2003	34.03		S	1
				08/14/2003	34.60		S	1
095 N24 E18 09BCBD1	395743119582401	350.	4465.8	01/30/2004	35.40		S	1
				11/19/2002	37.71		T	1
				01/22/2003	37.77		T	1
				03/06/2003	37.75		T	1
				05/05/2003	37.49		S	1
				06/19/2003	37.28		S	1
				08/14/2003	37.47		T	1
095 N24 E18 09CABB1	395735119582401	35.	4453.1	11/20/2003	37.63		T	1
				01/30/2004	37.79		T	1
				11/19/2002	24.36		T	1
				01/22/2003	24.46		T	1
				03/06/2003	24.32		T	1
				05/05/2003	24.45		S	1
				06/19/2003	24.82		S	1
095 N24 E18 15BACC1	395657119571601	20.	4495.	08/14/2003	24.46		T	2
				11/20/2003	24.98		T	1
				01/30/2004	25.21		T	1
				11/19/2002	10.36		T	1
				01/22/2003	9.48		T	1
				03/06/2003	7.02		T	1
				05/05/2003	7.15		S	1
				06/24/2003	9.09		S	1
				08/14/2003	9.89		T	1
				11/20/2003	10.51		T	1
				01/30/2004	10.03		T	1

QUALITY OF WATER
FALLON BASALT AQUIFER MONITORING

Water-quality measurements in the following table were made in cooperation with the Fallon Paiute-Shoshone Tribe to evaluate potential effects of injecting surface water into the Fallon Basalt Aquifer. Depths and Water Levels: Depths are referenced to land-surface datum (LSD). The following sites are shown in figure 17.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station Number	Station name					Date	Time	Sample type	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Barometric pressure, mm Hg (00025)		
1031220115	S-Line Canal at Cemetary Road Bridge near Fallon, NV					10-18-02	1115	ENVIRONMENTAL	.065	.046	658		
Date	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc-tance, wat unf 25 degC (00095)	Temper-ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alka-linity, wat tit inc tit field, mg/L as CaCO3 (39086)	Bicar-bonate, wat flt incrm. titr., field, mg/L (00453)	Chlor-ide, water, fltrd, mg/L (00940)
10-18-02	9.4	105	7.7	7.4	297	13.8	22.3	6.44	3.65	28.7	80	97	13.8
Date	Fluor-ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phos-phate, water, fltrd, mg/L as P (00671)	Partic-ulate nitro-gen, susp, water, fltrd, mg/L (49570)	Phos-phorus, water, fltrd, mg/L (00666)	Phos-phorus, water, unfltrd mg/L (00665)
10-18-02	.22	20.4	36.8	199	.19	.33	<.04	<.06	<.008	.08	.10	.111	.162
Date	Total carbon, suspnd sedimnt total, mg/L (00694)	Inor-ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Alum-inum, water, fltrd, ug/L (01106)	Anti-mony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryll-ium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chrom-ium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)
10-18-02	.7	<.1	.7	5.4	<2	.56	11.2	31	<.06	253	E.02	<.8	.11
Date	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Mangan-ese, water, fltrd, ug/L (01056)	Mercury water, fltrd, ug/L (71890)	Molyb-denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selen-ium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Stront-ium, water, fltrd, ug/L (01080)	Thall-ium, water, fltrd, ug/L (01057)	Vanad-ium, water, fltrd, ug/L (01085)
10-18-02	2.4	<10	.16	24.9	3.0	<.02	5.2	1.02	<.5	<.20	229	E.03	5.0
Date	Zinc, water, fltrd, ug/L (01090)	2,6-Di-ethyl-aniline water, fltrd, 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	^a alpha-HCH-d6, surrog, wat flt 0.7u GF percent recovry (91065)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl, water, fltrd, 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd, 0.7u GF ug/L (82673)	Butyl-ate, water, fltrd, 0.7u GF ug/L (04028)	Car-baryl, water, fltrd, 0.7u GF ug/L (82680)	Carbo-furan, water, fltrd, 0.7u GF ug/L (82674)
10-18-02	M	<.006	<.006	<.006	<.007	<.005	94.1	<.007	<.050	<.010	<.002	<.041	<.020
Date	Chlor-pyrifos water, fltrd, ug/L (38933)	cis-Per-methrin water, fltrd, 0.7u GF ug/L (82687)	Cyana-zine, water, fltrd, ug/L (04041)	DCPA, water, fltrd, 0.7u GF ug/L (82682)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)	Diazi-non, water, fltrd, ug/L (39572)	^a Diazi-non-d10 surrog, wat flt 0.7u GF percent recovry (91063)	Diel-drin, water, fltrd, ug/L (39381)	Disul-foton, water, fltrd, 0.7u GF ug/L (82677)	EPTC, water, fltrd, 0.7u GF ug/L (82668)	Ethal-flur-alin, water, fltrd, 0.7u GF ug/L (82663)	Etho-prop, water, fltrd, 0.7u GF ug/L (82672)	Desulf-inyl fipro-nil amide, wat flt ug/L (62169)
10-18-02	<.005	<.006	<.018	<.003	<.004	<.005	120	<.005	<.02	<.002	<.009	<.005	<.009

QUALITY OF WATER
FALLON BASALT AQUIFER MONITORING--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

	Fipro- nil sulfide water, fltrd, ug/L (62167)	Fipro- nil sulfone water, fltrd, ug/L (62168)	Fipro- nil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Mala- thion, water, fltrd, ug/L (39532)	Methyl para- thion, water, fltrd 0.7u GF ug/L (82667)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Moli- nate, water, fltrd 0.7u GF ug/L (82671)	Naprop- amide, water, fltrd 0.7u GF ug/L (82684)	p,p'- DDE, water, fltrd, ug/L (34653)
10-18-02	<.005	<.005	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003
Date	Para- thion, water, fltrd, ug/L (39542)	Peb- ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi- meth- alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prome- ton, water, fltrd, ug/L (04037)	Pron- amide, water, fltrd 0.7u GF ug/L (82676)	Propa- chlor, water, fltrd, ug/L (04024)	Pro- panil, water, fltrd 0.7u GF ug/L (82679)	Propar- gite, water, fltrd 0.7u GF ug/L (82685)	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water, fltrd 0.7u GF ug/L (82670)	Terba- cil, water, fltrd 0.7u GF ug/L (82665)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)
10-18-02	<.010	<.004	<.022	<.011	<.01	<.007	<.010	<.011	<.02	<.005	<.02	<.050	<.02
Date	Thio- bencarb water fltrd 0.7u GF ug/L (82681)	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	Alpha radio- activty 2-sigma wat flt pCi/L (75987)	Alpha radio- activty water, fltrd, pCi/L (04126)	Beta radio- activty 2-sigma wat flt pCi/L (75989)	Deu- terium/ Protium ratio, water, unfltrd per mil (82082)	Gross beta radioac water, fltrd, Cs-137, pCi/L (03515)	O-18 / O-16 ratio, water, unfltrd per mil (82085)	Ra-226 2-sigma water, fltrd, pCi/L (76001)	Ra-226, water, radon method pCi/L (09511)	Uranium natural water, fltrd, ug/L (22703)	
10-18-02	<.005	<.002	<.009	1.3	3	1.9	-86.50	7	-10.00	.02	.04	3.08	

Remark codes used in this report:

< -- Less than

E -- Estimated value

M -- Presence verified, not quantified

^a Listed values are recovery percentages for indicated compounds. These compounds are added to the sample to determine the relative recovery of other organic compounds that are detected using the same analytical method.

QUALITY OF SURFACE WATER

HUMBOLDT RIVER BASIN

Samples collected for the chemical analyses of bottom material composition of the Humboldt River were collected in December 2002. This sampling is part of ongoing research on along the river flood plain. This work is part of the Humboldt River Basin Assessment. The following sites are shown in figure 16.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	Station name	Date	Time	Sample type	Calcium	Magnes-	Potas-
					bed sed <62.5um wet svd field, total, percent (34830)	ium, bed sed <62.5um wet svd fld,tot percent (34900)	sium, bed sed <62.5um wet svd fld,tot percent (34940)
10321000	HUMBOLDT R NR CARLIN, NV	12-11-02	0900	ENVIRONMENTAL	12	.870	1.6
10323425	HUMBOLDT RIVER AT OLD US 40 BRIDGE, AT DUNPHY, NV	12-11-02	0800	ENVIRONMENTAL	4.5	.880	2.2
10325000	HUMBOLDT R AT BATTLE MOUNTAIN, NV	12-10-02	1700	ENVIRONMENTAL	4.5	1.2	2.2
10327500	HUMBOLDT R AT COMUS, NV	12-10-02	1200	ENVIRONMENTAL	6.0	1.2	2.2

Date	Sodium,	Sulfur,	Phos-	Total	Inorg.	Organic	Alum-	Anti-	Arsenic	Barium,	Beryll-	Bismuth	Cadmium
	bed sed <62.5um wet svd field, total, percent (34960)	bed sed <62.5um wet svd field, total, percent (34970)	phorus, bed sed <62.5um wet svd fld,tot percent (34935)	carbon, sedimnt <62.5um wsv nat field percent (49267)	carbon, bed sed <62.5um wsv nat field percent (49269)	carbon, bed sed <62.5um wsv nat field percent (49266)	inum, bed sed <62.5um wet svd fld,tot percent (34790)	mony, bed sed <62.5um wet svd fld,tot ug/g (34795)	bed sed <62.5um wet svd field, total, ug/g (34800)	bed sed <62.5um wet svd field, total, ug/g (34805)	ium, bed sed <62.5um wet svd fld,tot ug/g (34810)	bed sed <177um wet svd field, total, ug/g (34816)	bed sed <62.5um wet svd field, total, ug/g (34825)
12-11-02	.960	.14	.099	5.8	2.8	3.0	4.9	1.0	8.2	810	1.6	<1	.4
12-11-02	1.6	.06	.100	1.8	.76	1.0	6.8	1.4	5.5	1200	2.1	<1	.4
12-10-02	1.4	.06	.120	1.7	.74	.98	6.9	1.7	6.8	1100	1.9	<1	.6
12-10-02	1.4	.09	.096	2.8	1.3	1.5	6.5	2.7	14	940	2.1	<1	.6

Date	Cerium,	Chrom-	Cobalt,	Copper,	Europ-	Gallium	Gold,	Holmium	Iron,	Lantha-	Lead,	Lithium	Mangan-
	bed sed <62.5um wet svd field, total, ug/g (34835)	ium, bed sed <62.5um wet svd fld,tot ug/g (34840)	bed sed <62.5um wet svd total, ug/g (34845)	bed sed <62.5um wet svd total, ug/g (34850)	ium, bed sed <62.5um fld,tot ug/g (34855)	bed sed <62.5um wet svd total, ug/g (34860)	bed sed <62.5um wet svd field, total, ug/g (34870)	bed sed <62.5um wet svd total, ug/g (34875)	bed sed <62.5um wet svd field, total, percent (34880)	num, bed sed <62.5um wet svd total, ug/g (34885)	bed sed <62.5um wet svd field, total, ug/g (34890)	bed sed <62.5um wet svd total, ug/g (34895)	ese, bed sed <62.5um wet svd fld,tot ug/g (34905)
12-11-02	48	29	6	15	<1	11	<1	<1	1.7	26	14	28	1000
12-11-02	67	44	7	17	1	15	<1	<1	2.1	37	18	32	440
12-10-02	69	48	9	22	1	16	<1	<1	2.6	38	19	42	680
12-10-02	54	40	8	23	1	15	<1	<1	2.4	29	17	47	740

Date	Mercury	Molyb-	Neodym-	Nickel,	Niobium	Scand-	Selen-	Silver,	Stront-	Tant-	Thall-	Thorium	Tin,
	bed sed <62.5um wet svd field, total, ug/g (34910)	denum, bed sed <62.5um wet svd fld,tot ug/g (34915)	ium, bed sed <62.5um wet svd fld,tot ug/g (34920)	bed sed <62.5um wet svd total, ug/g (34925)	bed sed <62.5um wet svd total, ug/g (34930)	ium, bed sed <62.5um wet svd fld,tot ug/g (34945)	ium, bed sed <62.5um wet svd fld,tot ug/g (34950)	bed sed <62.5um wet svd total, ug/g (34955)	ium, bed sed <62.5um wet svd fld,tot ug/g (34965)	alum, bed sed <62.5um wet svd fld,tot ug/g (34975)	ium, bed sed <62.5um dry svd total, ug/g (04064)	bed sed <62.5um wet svd total, ug/g (34980)	bed sed <62.5um wet svd total, ug/g (34985)
12-11-02	.03	.6	21	13	13	7	1.0	.1	480	<1	<1	10	2
12-11-02	.03	.7	30	15	17	8	.4	.2	400	1	<1	12	2
12-10-02	.04	.6	30	20	18	10	.4	.2	370	1	<1	12	2
12-10-02	.04	2.4	24	22	16	9	.3	.2	530	<1	<1	10	2

Date	Titan-	Vanad-	Ytterb-	Yttrium	Zinc,	Uranium
	ium, bed sed <62.5um wsv nat rec, percent (49274)	ium, bed sed <62.5um wet svd fld,tot ug/g (35005)	ium, bed sed <62.5um wet svd fld,tot ug/g (35015)	bed sed <62.5um wet svd total, ug/g (35010)	bed sed <62.5um wet svd total, ug/g (35020)	bed sed <62.5um wet svd total, ug/g (35000)
12-11-02	.280	51	2	15	68	2.8
12-11-02	.360	71	2	20	81	3.1
12-10-02	.400	83	2	21	100	3.1
12-10-02	.330	70	2	20	94	2.8

Remark Codes Used in This report:
< -- Less than

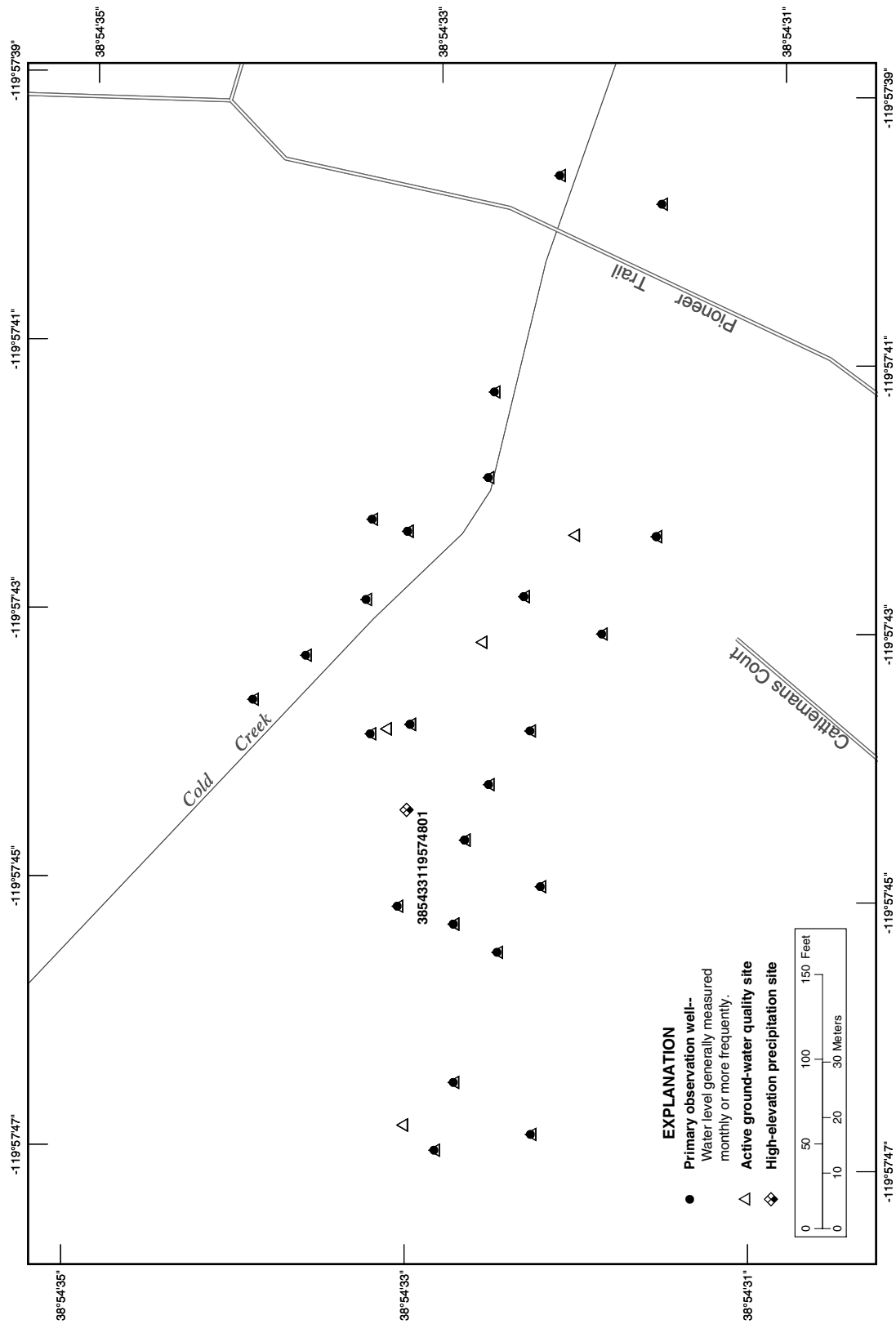


Figure 35. Ground-water sites, Cold Creek, California.

QUALITY OF SURFACE WATER
COLD CREEK MONITORING PROJECT

Chemical analyses of water samples collected in the vicinity of a storm-water detention basin are listed in the following table. Water samples were collected near the Cattleman's Detention Basin to characterize surface water in the vicinity. The project is in cooperation with El Dorado County Department of Transportation and is being done to determine effects from placing storm water in the detention basin on nutrient and sediment loads to nearby Cold Creek and Lake Tahoe. The following sites are shown in figure 19.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	Station name	Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)
10336778	COLD CREEK AT PIONEER TRAIL NEAR SOUTH LAKE TAHOE CA	10-31-02	1300	ENVIRONMENTAL	--	610	9.3
		01-14-03	1340	ENVIRONMENTAL	--	--	--
		05-19-03	1330	ENVIRONMENTAL	--	612	8.9
		06-04-03	1310	ENVIRONMENTAL	--	--	--
		09-30-03	1130	ENVIRONMENTAL	6.8	610	8.9
103367786	COLD CREEK BELOW CATTLEMANS DETENTION BASIN NEAR SOUTH LAKE TAHOE CA	10-31-02	1030	ENVIRONMENTAL	--	607	10.3
		10-31-02	1130	ENVIRONMENTAL	--	--	--
		01-14-03	1320	ENVIRONMENTAL	--	--	--
		05-19-03	1145	ENVIRONMENTAL	--	612	5.1
		09-30-03	1030	ENVIRONMENTAL	6.8	610	9.1
10336779	COLD C AT MOUTH CA	06-04-03	1540	ENVIRONMENTAL	--	--	--
		09-30-03	1430	ENVIRONMENTAL	5.5	610	--
385431119574201	COLD CREEK STORM SAMPLER 1 30-INCH CULVERT	11-12-02	0930	ENVIRONMENTAL	--	--	--
		11-15-02	0900	ENVIRONMENTAL	--	--	--
		12-13-02	0800	ENVIRONMENTAL	--	--	--
		12-15-02	1300	ENVIRONMENTAL	--	--	--
		01-13-03	1300	ENVIRONMENTAL	--	--	--
		01-14-03	1100	ENVIRONMENTAL	--	--	--
		01-27-03	1230	ENVIRONMENTAL	--	--	--
		02-04-03	1145	ENVIRONMENTAL	--	--	--
		03-11-03	1230	ENVIRONMENTAL	--	--	--
		03-16-03	1400	ENVIRONMENTAL	--	--	--
		03-21-03	1230	ENVIRONMENTAL	--	--	--
		03-26-03	1230	ENVIRONMENTAL	--	--	--
		04-03-03	1530	ENVIRONMENTAL	--	--	--
		04-07-03	1130	ENVIRONMENTAL	--	--	--
		04-08-03	0800	ENVIRONMENTAL	--	--	--
		04-14-03	0930	ENVIRONMENTAL	--	--	--
		04-15-03	1200	ENVIRONMENTAL	--	--	--
		04-17-03	1500	ENVIRONMENTAL	--	--	--
		04-21-03	1200	ENVIRONMENTAL	--	--	--
		05-02-03	1330	ENVIRONMENTAL	--	--	--
		05-05-03	1400	ENVIRONMENTAL	--	--	--
		07-23-03	1730	ENVIRONMENTAL	--	--	--
		07-31-03	1430	ENVIRONMENTAL	--	--	--
385432119574402	COLD CREEK SAMPLER SITE 2 18-INCH CULVERT	08-01-03	2330	ENVIRONMENTAL	--	--	--
		08-02-03	1200	ENVIRONMENTAL	--	--	--
		08-26-03	0930	ENVIRONMENTAL	--	--	--
		11-12-02	1030	ENVIRONMENTAL	--	--	--
		11-13-02	1045	ENVIRONMENTAL	--	--	--
385433119574407	COLD CREEK STORM SAMPLER 3-OUTLET WEIR DETENTION BASIN	11-15-02	1030	ENVIRONMENTAL	--	--	--
		12-13-02	1030	ENVIRONMENTAL	--	--	--
		03-26-03	1000	ENVIRONMENTAL	--	--	--
		11-11-02	1100	ENVIRONMENTAL	--	--	--
		11-12-02	1130	ENVIRONMENTAL	--	--	--
385433119574801	PRECIPITATION SITE FOR COLD CREEK PROJECT	11-15-02	1100	ENVIRONMENTAL	--	--	--
		03-11-03	1200	ENVIRONMENTAL	--	--	--
		03-16-03	1330	ENVIRONMENTAL	--	--	--
		03-26-03	1045	ENVIRONMENTAL	--	--	--
		08-21-03	1600	ENVIRONMENTAL	--	--	--
385433119574801	PRECIPITATION SITE FOR COLD CREEK PROJECT	11-11-02	1000	ENVIRONMENTAL	--	--	--
		12-15-02	1400	ENVIRONMENTAL	--	--	--
		12-23-02	1400	ENVIRONMENTAL	--	--	--
		01-06-03	1200	ENVIRONMENTAL	--	--	--
		03-16-03	1310	ENVIRONMENTAL	--	--	--
385433119574801	PRECIPITATION SITE FOR COLD CREEK PROJECT	04-14-03	0900	ENVIRONMENTAL	--	--	--
		08-21-03	1500	ENVIRONMENTAL	--	--	--

Date	Dis- solved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alka- linity, wat flt inc tit mg/L as CaCO3 (39086)	Bicar- bonate, wat flt incrm. titr., mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)
10-31-02	--	7.2	--	--	2.5	4.85	.605	.87	4.42	--	--	<.02	.75
01-14-03	--	--	--	--	--	--	--	--	--	--	--	--	--
05-19-03	--	6.0	44	14.0	6.5	3.68	.618	.90	3.70	18	22	--	.56
06-04-03	--	6.8	24	25.0	9.0	2.00	.356	.79	2.19	11	13	--	.22
09-30-03	76	6.2	45	--	8.6	4.34	.590	.99	4.01	19	23	--	.52
10-31-02	--	6.8	--	--	3.5	5.05	.672	.93	4.83	--	--	<.02	1.04
10-31-02	--	--	--	--	--	--	--	--	--	--	--	--	--
01-14-03	--	--	--	--	--	--	--	--	--	--	--	--	--
05-19-03	80	6.0	47	14.0	6.1	3.67	.625	.93	3.66	18	22	--	.64
09-30-03	86	6.2	40	18.0	8.3	4.42	.582	1.03	4.17	16	20	--	.50
06-04-03	--	6.8	25	26.5	11.5	2.07	.366	.78	2.21	9	11	--	.26
09-30-03	--	6.2	40	20.0	9.0	4.45	.615	1.04	4.11	17	20	--	.75
11-12-02	--	--	--	--	--	2.84	.276	1.03	5.20	--	--	--	5.86
11-15-02	--	--	--	--	--	--	--	--	--	--	--	--	--
12-13-02	--	--	--	--	--	--	--	--	--	--	--	--	--
12-15-02	--	--	--	--	--	--	--	--	--	--	--	--	--
01-13-03	--	--	--	--	--	--	--	--	--	--	--	--	--
01-14-03	--	--	--	--	--	--	--	--	--	--	--	--	--
01-27-03	--	--	--	--	--	3.36	.260	.87	24.6	--	--	--	34.6
02-04-03	--	--	--	--	--	--	--	--	--	--	--	--	--
03-11-03	--	--	--	--	--	--	--	--	--	--	--	--	--
03-16-03	--	--	--	--	--	2.40	.162	.68	9.70	--	--	--	10.2
03-21-03	--	--	--	--	--	--	--	--	--	--	--	--	--
03-26-03	--	--	--	--	--	--	--	--	--	--	--	--	--
04-03-03	--	--	--	--	--	--	--	--	--	--	--	--	--
04-07-03	--	--	--	--	--	--	--	--	--	--	--	--	--
04-08-03	--	--	--	--	--	--	--	--	--	--	--	--	--
04-14-03	--	--	--	--	--	--	--	--	--	--	--	--	--
04-15-03	--	--	--	--	--	--	--	--	--	--	--	--	--
04-17-03	--	--	--	--	--	--	--	--	--	--	--	--	--
04-21-03	--	--	--	--	--	2.76	.205	.46	4.35	--	--	--	4.53
05-02-03	--	--	--	--	--	--	--	--	--	--	--	--	--
05-05-03	--	--	--	--	--	--	--	--	--	--	--	--	--
07-23-03	--	5.7	140	--	--	15.6	.981	4.08	15.5	28	34	.15	19.5
07-31-03	--	6.5	47	--	--	4.18	.375	1.89	4.72	10	12	--	3.78
08-01-03	--	6.2	63	--	--	4.78	.378	1.45	9.52	14	17	<.02	8.30
08-02-03	--	--	--	--	--	--	--	--	--	--	--	--	--
08-26-03	--	--	--	--	--	--	--	--	--	--	--	--	--
11-12-02	--	--	--	--	--	3.75	.412	1.25	2.00	--	--	--	1.

QUALITY OF SURFACE WATER
COLD CREEK MONITORING PROJECT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd mg/L as N (00610)	¹ Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite + nitrate water unfltrd mg/L as N (00630)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Ortho- phos- phate, water, unfltrd mg/L as P (70507)	Phos- phorus, water, fltrd, mg/L (00666)
10-31-02	<.17	15.2	2.3	45	.12	--	.018	--	.002	--	.006	--	.010
01-14-03	--	--	--	--	.18	.17	.000	.010	.015	.021	.006	.01	.012
05-19-03	<.2	16.6	1.2	40	.15	--	.002	--	.029	--	.007	--	.017
06-04-03	<.2	11.8	.9	29	.12	.32	.002	.010	.011	.016	.008	.02	.015
09-30-03	<.2	15.2	1.4	45	.10	.09	.002	.004	.001	.002	.011	.01	.016
10-31-02	<.17	16.6	2.3	43	.09	--	.005	--	.003	--	.007	--	.014
10-31-02	--	--	--	--	--	--	--	--	--	--	--	--	--
01-14-03	--	--	--	--	.07	.41	.000	.006	.022	.027	.005	.01	.012
05-19-03	<.2	16.5	1.1	44	.11	--	.002	--	.022	--	.008	--	.020
09-30-03	<.2	15.7	2.0	42	.11	.16	.002	.018	.003	.003	.007	.01	.017
06-04-03	<.2	11.8	.9	29	.19	.30	.003	.009	.008	.012	.008	.01	.015
09-30-03	<.2	15.3	1.4	38	.13	.21	.002	.011	.001	.005	.007	.01	.016
11-12-02	<.17	1.54	.7	42	1.0	--	.001	--	.018	--	.040	--	.064
11-15-02	--	--	--	--	.22	--	.002	--	.007	--	.042	--	.067
12-13-02	--	--	--	--	.78	1.1	.030	.025	.089	.036	.023	.08	.097
12-15-02	--	--	--	--	.48	--	.077	--	.050	--	.068	--	.086
01-13-03	--	--	--	--	--	1.0	--	.155	--	.286	--	.34	--
01-14-03	--	--	--	--	--	.47	--	.036	--	.065	--	.09	--
01-27-03	.00	1.51	1.1	83	.32	.38	.001	.017	.043	.063	.034	.11	.039
02-04-03	--	--	--	--	.38	--	M	--	.112	--	.029	--	.036
03-11-03	--	--	--	--	--	--	--	--	--	--	--	--	--
03-16-03	.04	1.61	1.0	41	.17	--	.023	--	.009	--	.044	--	.062
03-21-03	--	--	--	--	--	--	--	--	--	--	--	--	--
03-26-03	--	--	--	--	.24	--	.007	--	.012	--	.041	--	.049
04-03-03	--	--	--	--	.43	--	.088	--	.063	--	.015	--	.038
04-07-03	--	--	--	--	.18	.74	.083	.117	.071	.170	.018	.25	.024
04-08-03	--	--	--	--	--	--	--	--	--	--	--	--	--
04-14-03	--	--	--	--	--	1.1	--	.123	--	.158	--	.37	--
04-15-03	--	--	--	--	.33	.57	.060	.080	.031	.141	.009	.17	.025
04-17-03	--	--	--	--	--	.48	--	.114	--	.222	--	.21	--
04-21-03	<.17	1.46	.4	30	.16	.37	.003	.017	.039	.041	.036	.07	.042
05-02-03	--	--	--	--	--	--	--	--	--	--	--	--	--
05-05-03	--	--	--	--	--	--	--	--	--	--	--	--	--
07-23-03	<.2	3.75	7.4	165	1.5	5.4	.111	.101	.067	.128	.023	.18	.078
07-31-03	<.2	2.01	2.5	52	.60	2.5	.074	.164	.425	.418	.016	.14	.060
08-01-03	<.2	4.54	3.2	48	.68	1.1	.056	.054	.271	.280	.055	.14	.093
08-02-03	--	--	--	--	--	--	--	--	--	--	--	--	--
08-26-03	--	--	--	--	--	1.1	--	.077	--	.469	--	.08	--
11-12-02	<.17	1.51	.7	34	1.6	--	.002	--	.026	--	.061	--	.100
11-13-02	--	--	--	--	.27	--	.004	--	.012	--	.012	--	.059
11-15-02	--	--	--	--	.36	--	.002	--	.006	--	.033	--	.046
12-13-02	--	--	--	--	1.3	1.8	.199	.262	.079	.089	.082	.08	.089
03-26-03	--	--	--	--	.31	--	.098	--	.061	--	.076	--	.085
11-11-02	<.17	1.24	1.3	50	.58	--	.003	--	.011	--	.098	--	.179
11-12-02	--	--	--	--	.46	--	.002	--	.015	--	.097	--	.075
11-15-02	--	--	--	--	.43	--	.002	--	.012	--	.058	--	.100
03-11-03	.06	2.91	1.4	92	.49	--	.145	--	.092	--	.056	--	.077
03-16-03	--	--	--	--	.10	--	.014	--	.087	--	.031	--	.034
03-26-03	.06	.89	1.6	55	.29	--	.017	--	.004	--	.008	--	.023
08-21-03	--	--	--	--	--	1.7	--	.366	--	.276	--	.11	--
11-11-02	--	--	--	--	--	.19	--	.012	--	.043	--	.05	--
12-15-02	--	--	--	--	.15	--	.005	--	.043	--	.031	--	.027
12-23-02	--	--	--	--	.31	.40	--	.063	--	.070	--	.01	--
01-06-03	--	--	--	--	--	.13	--	.035	--	.047	--	.05	--
03-16-03	--	--	--	--	--	1.2	--	.322	--	.098	--	.02	--
04-14-03	--	--	--	--	--	.16	--	.097	--	.065	--	M	--
08-21-03	--	--	--	--	--	6.0	--	5.86	--	.481	--	1.17	--

Date	Phos-	Organic	Alum-	Anti-	Arsenic	Barium	Beryll-	Cadmium	Chrom-	Cobalt	Copper	Iron	Iron,
	phorus, water, unfltrd (mg/L (00665)	carbon, water, fltrd, (00681)	inum, water, fltrd, (01106)	mony, water, fltrd, (01095)	water, fltrd, ug/L (01000)	water, fltrd, ug/L (01005)	ium, water, fltrd, ug/L (01010)	water, fltrd, ug/L (01025)	ium, water, fltrd, ug/L (01030)	water, fltrd, ug/L (01035)	water, fltrd, ug/L (01040)	(bio reac- tive), water, unfltrd ug/L (46568)	water, fltrd, ug/L (01046)
10-31-02	--	1.3	12	<.30	<2	4	<.06	.06	<.8	.025	.9	--	53
01-14-03	.016	--	--	--	--	--	--	--	--	--	--	170	--
05-19-03	--	4.3	--	--	--	--	--	--	--	--	--	--	92
06-04-03	.042	2.2	--	--	--	--	--	--	--	--	--	682	45
09-30-03	.021	2.3	--	--	--	--	--	--	--	--	--	164	39
10-31-02	--	2.0	18	<.30	M	4	<.06	.07	<.8	.036	.7	--	91
10-31-02	--	--	--	--	--	--	--	--	--	--	--	--	--
01-14-03	.023	--	--	--	--	--	--	--	--	--	--	263	--
05-19-03	--	4.2	--	--	--	--	--	--	--	--	--	--	131
09-30-03	.022	2.5	--	--	--	--	--	--	--	--	--	143	51
06-04-03	.037	2.3	--	--	--	--	--	--	--	--	--	743	53
09-30-03	.025	1.1	--	--	--	--	--	--	--	--	--	219	55
11-12-02	--	12.6	40	<.30	<2	4	<.06	.10	<.8	.073	2.3	--	46
11-15-02	--	--	--	--	--	--	--	--	--	--	--	--	--
12-13-02	.233	--	--	--	--	--	--	--	--	--	--	2420	--
12-15-02	--	--	--	--	--	--	--	--	--	--	--	--	--
01-13-03	.302	--	--	--	--	--	--	--	--	--	--	464	--
01-14-03	.115	--	--	--	--	--	--	--	--	--	--	730	--
01-27-03	.079	4.4	41	E.22	<2	7	<.06	.04	E.6	.036	3.1	707	32
02-04-03	--	--	--	--	--	--	--	--	--	--	--	--	--
03-11-03	--	--	--	--	--	--	--	--	--	--	--	--	--
03-16-03	--	16.1	--	--	--	--	--	--	--	--	--	--	63
03-21-03	--	6.9	--	--	--	--	--	--	--	--	--	--	--
03-26-03	--	--	--	--	--	--	--	--	--	--	--	--	--
04-03-03	--	--	--	--	--	--	--	--	--	--	--	--	--
04-07-03	.158	--	--	--	--	--	--	--	--	--	--	1810	--
04-08-03	--	--	--	--	--	--	--	--	--	--	--	--	--
04-14-03	.462	--	--	--	--	--	--	--	--	--	--	5310	--
04-15-03	.182	--	--	--	--	--	--	--	--	--	--	2240	--
04-17-03	.214	--	--	--	--	--	--	--	--	--	--	2880	--
04-21-03	.084	2.4	21	<.30	<2	5	<.06	.05	<.8	.022	2.5	694	17
05-02-03	--	--	--	--	--	--	--	--	--	--	--	--	--
05-05-03	--	--	--	--	--	--	--	--	--	--	--	--	--
07-23-03	2.37	53.7	152	.91	E1	33	<.06	.06	1.0	1.86	4.4	20000	1230
07-31-03	.467	18.4	--	--	--	--	--	--	--	--	--	4690	55
08-01-03	.197	13.6	41	E.28	<2	7	<.06	E.02	E.4	.072	7.1	2530	46
08-02-03	--	--	--	--	--	--	--	--	--	--	--	--	--
08-26-03	.115	--	--	--	--	--	--	--	--	--	--	1720	--
11-12-02	--	9.2	27	<.30	<2	4	<.06	.07	<.8	.087	2.0	--	31
11-13-02	--	--</											

QUALITY OF SURFACE WATER
COLD CREEK MONITORING PROJECT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Lead, water, fltrd, ug/L (01049)	Mangan- ese, water, fltrd, ug/L (01056)	Molyb- denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selen- ium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)	Sus- pend- edi- ment concen- tration mg/L (80154)	Sus- pend- edi- ment load, tons/d (80155)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)	Iron, (bio reac- tive), water, fltrd, ug/L (63673)
10-31-02	E.04	2.3	13.0	.32	<3	<.2	3	3.81	--	--	--	68
01-14-03	--	--	--	--	--	--	--	--	--	--	--	54
05-19-03	--	3.2	--	--	--	--	--	--	--	--	--	96
06-04-03	--	2.1	--	--	--	--	--	--	25	--	--	47
09-30-03	--	2.0	--	--	--	--	--	--	--	--	--	35
10-31-02	<.08	3.1	14.8	.30	<3	<.2	2	4.94	--	--	--	84
10-31-02	--	--	--	--	--	--	--	--	--	--	--	--
01-14-03	--	--	--	--	--	--	--	--	--	--	--	95
05-19-03	--	4.8	--	--	--	--	--	--	--	--	--	110
09-30-03	--	2.5	--	--	--	--	--	--	--	--	--	50
06-04-03	--	3.0	--	--	--	--	--	--	34	--	--	59
09-30-03	--	3.5	--	--	--	--	--	--	6	.09	18	72
11-12-02	.09	10.8	E.3	.46	<3	<.2	16	.12	--	--	--	27
11-15-02	--	--	--	--	--	--	--	--	--	--	--	33
12-13-02	--	--	--	--	--	--	--	--	--	--	--	63
12-15-02	--	--	--	--	--	--	--	--	--	--	--	68
01-13-03	--	--	--	--	--	--	--	--	--	--	--	--
01-14-03	--	--	--	--	--	--	--	--	--	--	--	--
01-27-03	E.07	1.1	.4	1.24	<3	<.2	29	.07	--	--	--	310
02-04-03	--	--	--	--	--	--	--	--	--	--	--	82
03-11-03	--	--	--	--	--	--	--	--	36	--	--	--
03-16-03	--	E1.1	--	--	--	--	--	--	406	--	--	150
03-21-03	--	--	--	--	--	--	--	--	--	--	--	--
03-26-03	--	--	--	--	--	--	--	--	93	--	--	63
04-03-03	--	--	--	--	--	--	--	--	214	--	--	75
04-07-03	--	--	--	--	--	--	--	--	117	--	--	120
04-08-03	--	--	--	--	--	--	--	--	39	--	--	--
04-14-03	--	--	--	--	--	--	--	--	248	--	--	--
04-15-03	--	--	--	--	--	--	--	--	66	--	--	53
04-17-03	--	--	--	--	--	--	--	--	88	--	--	--
04-21-03	E.04	.7	E.2	.33	<3	<.2	21	.09	27	--	--	20
05-02-03	--	--	--	--	--	--	--	--	73	--	--	--
05-05-03	--	--	--	--	--	--	--	--	255	--	--	--
07-23-03	.22	379	2.1	5.33	E1	<.2	56	.52	1540	--	36	1600
07-31-03	--	82.2	--	--	--	--	--	--	--	--	--	55
08-01-03	.10	4.7	1.7	1.29	<3	<.2	22	.24	646	--	26	110
08-02-03	--	--	--	--	--	--	--	--	375	--	65	--
08-26-03	--	--	--	--	--	--	--	--	74	--	76	--
11-12-02	.15	15.1	.4	.50	<3	<.2	45	.28	--	--	--	21
11-13-02	--	--	--	--	--	--	--	--	--	--	--	18
11-15-02	--	--	--	--	--	--	--	--	--	--	--	60
12-13-02	--	--	--	--	--	--	--	--	--	--	--	84
03-26-03	--	--	--	--	--	--	--	--	56	--	--	47
11-11-02	.12	32.9	.7	.79	<3	<.2	22	.67	--	--	--	54
11-12-02	--	--	--	--	--	--	--	--	--	--	--	43
11-15-02	--	--	--	--	--	--	--	--	--	--	--	59
03-11-03	--	49.6	--	--	--	--	--	--	14	--	--	380
03-16-03	--	--	--	--	--	--	--	--	45	--	--	280
03-26-03	--	3.7	--	--	--	--	--	--	9	--	--	150
08-21-03	--	--	--	--	--	--	--	--	41	--	84	--
11-11-02	--	--	--	--	--	--	--	--	--	--	--	--
12-15-02	--	--	--	--	--	--	--	--	--	--	--	20
12-23-02	--	--	--	--	--	--	--	--	--	--	--	95
01-06-03	--	--	--	--	--	--	--	--	--	--	--	--
03-16-03	--	--	--	--	--	--	--	--	--	--	--	--
04-14-03	--	--	--	--	--	--	--	--	--	--	--	--
08-21-03	--	--	--	--	--	--	--	--	--	--	--	--

Remark codes used in this report:

< -- Less than

E -- Estimated value

M -- Presence verified, not quantified

¹ Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

QUALITY OF GROUND WATER
COLD CREEK MONITORING PROJECT

Chemical analyses of water samples collected periodically from shallow wells drilled in the vicinity of a proposed storm-water detention basin are listed in the following table. Water samples were collected prior to construction of the Cattleman's Detention Basin to characterize shallow ground water in the vicinity of the proposed detention basin. The project is in cooperation with El Dorado County Department of Transportation and is being done to determine effects from placing storm water in the detention basin on nutrient and sediment loads to nearby Cold Creek and Lake Tahoe. Depths and Water Levels: Depths are referenced to land-surface datum (LSD). The following sites are shown in figure 35.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	Station name	Date	Time	Sample type	Depth of well, feet below LSD	Depth to water level, feet below LSD	Flow rate, instantaneous gal/min (00059)	
					(72008)	(72019)		
385432119574001	090 N12 E18 11BBAA2	COLD CREEK 01	10-18-02	1130	ENVIRONMENTAL	5.55	--	.10
	090 N12 E18 11BBAA2	COLD CREEK 01	05-23-03	0934	ENVIRONMENTAL	5.55	--	.10
	090 N12 E18 11BBAA2	COLD CREEK 01	07-28-03	1230	ENVIRONMENTAL	5.55	--	--
385432119574002	090 N12 E18 11BBAA3	COLD CREEK 02	10-18-02	1145	ENVIRONMENTAL	6.75	--	.10
	090 N12 E18 11BBAA3	COLD CREEK 02	05-23-03	1010	ENVIRONMENTAL	6.75	--	.05
	090 N12 E18 11BBAA3	COLD CREEK 02	07-28-03	1330	ENVIRONMENTAL	6.75	--	--
385432119574301	090 N12 E18 11BBAA4	COLD CREEK 03 SHALLOW	10-08-02	1245	ENVIRONMENTAL	10.2	--	.10
	090 N12 E18 11BBAA4	COLD CREEK 03 SHALLOW	05-14-03	1230	ENVIRONMENTAL	10.2	--	.10
	090 N12 E18 11BBAA4	COLD CREEK 03 SHALLOW	07-15-03	1100	ENVIRONMENTAL	10.2	--	.10
385432119574302	090 N12 E18 11BBAA5	COLD CREEK 03 DEEP	10-18-02	0900	ENVIRONMENTAL	15.1	--	.10
385432119574303	090 N12 E18 11BBAA5	COLD CREEK 03 DEEP	05-14-03	1130	ENVIRONMENTAL	15.1	6.86	.10
	090 N12 E18 11BBAA5	COLD CREEK 03 DEEP	07-15-03	1200	ENVIRONMENTAL	15.1	--	.10
	090 N12 E18 11BBAB1	COLD CREEK 08 SHALLOW	10-08-02	1000	ENVIRONMENTAL	9.2	--	.10
	090 N12 E18 11BBAB1	COLD CREEK 08 SHALLOW	05-12-03	1330	ENVIRONMENTAL	9.2	--	.10
	090 N12 E18 11BBAB1	COLD CREEK 08 SHALLOW	07-14-03	1030	ENVIRONMENTAL	9.2	--	.10
385432119574304	090 N12 E18 11BBAB2	COLD CREEK 08 DEEP	10-08-02	1215	ENVIRONMENTAL	14.95	--	.10
	090 N12 E18 11BBAB2	COLD CREEK 08 DEEP	05-12-03	1215	ENVIRONMENTAL	14.95	3.55	.10
385432119574305	090 N12 E18 11BBAB2	COLD CREEK 08 DEEP	07-14-03	1130	ENVIRONMENTAL	14.95	--	.10
	090 N12 E18 11BBAA6	COLD CREEK 09	10-18-02	1045	ENVIRONMENTAL	9.9	--	--
	090 N12 E18 11BBAA6	COLD CREEK 09	05-12-03	1115	ENVIRONMENTAL	9.9	6.11	--
385432119574306	090 N12 E18 11BBAA6	COLD CREEK 09	07-14-03	0915	ENVIRONMENTAL	9.9	--	.10
	090 N12 E18 11BBAA8	COLD CREEK MP3B	06-26-03	1130	ENVIRONMENTAL	5.	1.30	.20
	090 N12 E18 11BBAA9	COLD CREEK MP3D	06-26-03	1400	ENVIRONMENTAL	9.	1.50	.20
385432119574401	090 N12 E18 11BBAB3	COLD CREEK 15	10-16-02	1045	ENVIRONMENTAL	10.2	--	.10
385432119574501	090 N12 E18 11BBAB3	COLD CREEK 15	05-16-03	1010	FIELD BLANK	10.2	--	--
	090 N12 E18 11BBAB3	COLD CREEK 15	05-16-03	1130	ENVIRONMENTAL	10.2	5.91	.10
	090 N12 E18 11BBAB3	COLD CREEK 15	07-17-03	1230	ENVIRONMENTAL	10.2	--	.10
	090 N12 E18 11BBAB4	COLD CREEK 20	10-09-02	1400	ENVIRONMENTAL	7.15	--	.05
	090 N12 E18 11BBAB4	COLD CREEK 20	05-22-03	0949	ENVIRONMENTAL	7.15	--	.10
385432119574601	090 N12 E18 11BBAB4	COLD CREEK 20	07-25-03	1145	ENVIRONMENTAL	7.15	--	--
	090 N12 E18 11CCDC12	COLD CREEK 21	10-09-02	1100	ENVIRONMENTAL	4.95	--	.10
	090 N12 E18 11CCDC12	COLD CREEK 21	10-18-02	1115	ENVIRONMENTAL	4.95	--	--
385432119574701	090 N12 E18 11CCDC12	COLD CREEK 21	05-19-03	1045	ENVIRONMENTAL	4.95	--	.10
	090 N12 E18 11CCDC12	COLD CREEK 21	07-15-03	1000	ENVIRONMENTAL	4.95	--	--
	090 N12 E18 11BBAB5	COLD CREEK 24	10-09-02	1000	ENVIRONMENTAL	5.5	--	.15
385433119574201	090 N12 E18 11BBAB5	COLD CREEK 24	05-22-03	1100	ENVIRONMENTAL	5.5	--	.10
	090 N12 E18 11BBAB5	COLD CREEK 24	07-28-03	1130	ENVIRONMENTAL	5.5	--	--
	090 N12 E18 02CCDD1	COLD CREEK 04	10-18-02	1200	ENVIRONMENTAL	10.2	--	.10
	090 N12 E18 02CCDD1	COLD CREEK 04	05-20-03	1024	ENVIRONMENTAL	10.2	--	.10
385433119574202	090 N12 E18 02CCDD1	COLD CREEK 04	07-18-03	1030	ENVIRONMENTAL	10.2	--	.10
	090 N12 E18 02CCDD2	COLD CREEK 05	10-18-02	1215	ENVIRONMENTAL	10.2	--	.10
	090 N12 E18 02CCDD2	COLD CREEK 05	05-19-03	1200	ENVIRONMENTAL	10.2	--	.10
385433119574203	090 N12 E18 02CCDD2	COLD CREEK 05	07-18-03	1130	ENVIRONMENTAL	10.2	--	--
	090 N12 E18 02CCDD5	COLD CREEK 07	10-16-02	1300	ENVIRONMENTAL	4.97	--	.20
	090 N12 E18 02CCDD5	COLD CREEK 07	05-20-03	1201	ENVIRONMENTAL	4.97	--	.10
385433119574301	090 N12 E18 02CCDD5	COLD CREEK 07	07-22-03	1430	ENVIRONMENTAL	4.97	--	.10
	090 N12 E18 02CCDD3	COLD CREEK 06 SHALLOW	10-18-02	1230	ENVIRONMENTAL	8.95	--	.20
	090 N12 E18 02CCDD3	COLD CREEK 06 SHALLOW	05-20-03	1100	ENVIRONMENTAL	8.95	--	.10
	090 N12 E18 02CCDD3	COLD CREEK 06 SHALLOW	07-18-03	1230	ENVIRONMENTAL	8.95	--	.10
385433119574302	090 N12 E18 02CCDD4	COLD CREEK 06 DEEP	10-18-02	1245	ENVIRONMENTAL	15.	--	.20
385433119574303	090 N12 E18 02CCDD4	COLD CREEK 06 DEEP	05-20-03	1130	ENVIRONMENTAL	15.	--	.10
	090 N12 E18 02CCDD4	COLD CREEK 06 DEEP	07-18-03	1330	ENVIRONMENTAL	15.	--	.10
	090 N12 E18 02CCDD6	COLD CREEK 10	10-18-02	0945	ENVIRONMENTAL	10.2	--	--
	090 N12 E18 02CCDD6	COLD CREEK 10	05-15-03	1345	ENVIRONMENTAL	10.2	4.20	.20
	090 N12 E18 02CCDD6	COLD CREEK 10	07-23-03	1000	ENVIRONMENTAL	10.2	--	.10
385433119574304	090 N12 E18 02CCDD8	COLD CREEK MP2B	06-25-03	1400	ENVIRONMENTAL	4.	1.30	.20
385433119574305	090 N12 E18 02CCDD9	COLD CREEK MP2D	06-26-03	1000	ENVIRONMENTAL	9.	1.30	.20
385433119574401	090 N12 E18 02CCDC2	COLD CREEK 13 SHALLOW	10-16-02	1115	ENVIRONMENTAL	10.2	--	.15
	090 N12 E18 02CCDC2	COLD CREEK 13 SHALLOW	05-13-03	1100	ENVIRONMENTAL	10.2	2.61	.10
	090 N12 E18 02CCDC2	COLD CREEK 13 SHALLOW	07-17-03	0945	FIELD BLANK	10.2	--	--

QUALITY OF GROUND WATER
COLD CREEK MONITORING PROJECT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Pump or flow period prior to sam- pling, minutes (72004)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alka- linity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicar- bonate, wat flt incrm. titr., field, mg/L (00453)
10-18-02	--	615	--	6.5	43	18.0	15.0	--	--	--	--	--	--
05-23-03	--	--	--	6.9	173	--	11.1	--	--	--	--	--	--
07-28-03	--	--	--	--	--	--	--	--	--	--	--	--	--
10-18-02	--	615	--	6.2	331	--	11.0	--	--	--	--	--	--
05-23-03	--	--	--	6.6	203	--	9.3	--	--	--	--	--	--
07-28-03	--	--	--	6.2	--	--	--	--	--	--	--	--	--
10-08-02	--	610	--	6.1	316	--	12.9	12.5	1.97	2.68	35.7	110	133
05-14-03	--	613	--	6.1	350	19.0	5.2	18.3	2.95	2.69	18.9	114	140
07-15-03	30	610	--	6.2	309	25.0	11.0	17.7	2.75	2.93	22.3	105	128
10-18-02	--	610	--	6.5	380	--	7.9	8.02	1.79	1.99	51.1	--	--
05-14-03	--	613	.6	6.2	319	19.0	6.1	10.8	2.30	2.18	39.1	57	70
07-15-03	30	610	--	6.3	450	24.5	9.0	17.3	3.67	2.76	59.4	61	75
10-08-02	--	610	.3	6.5	515	--	13.2	27.5	4.42	6.47	10.9	197	237
05-12-03	--	612	.1	6.8	411	--	7.5	23.5	4.18	6.71	12.4	161	192
07-14-03	45	610	--	6.9	484	--	--	25.1	3.93	7.49	10.9	179	218
10-08-02	--	610	.1	7.0	181	--	10.5	5.44	.881	1.35	19.6	60	72
05-12-03	45	611	.3	7.1	181	--	8.1	9.76	1.55	1.45	13.3	62	76
07-14-03	20	610	--	6.2	192	--	--	11.7	1.85	1.61	15.0	62	75
10-18-02	--	--	--	6.9	162	--	--	3.29	.487	1.24	31.3	--	--
05-12-03	60	611	.2	7.0	282	--	7.6	6.72	1.12	1.96	37.9	65	79
07-14-03	60	610	--	6.3	300	19.5	12.5	9.66	1.59	2.23	42.2	81	99
06-26-03	15	--	--	6.4	221	21.0	11.5	--	--	--	--	62	76
06-26-03	15	--	--	6.5	143	24.0	10.0	--	--	--	--	53	64
10-16-02	35	608	.2	6.5	265	--	10.8	5.52	1.06	1.80	37.7	65	79
05-16-03	--	--	--	--	--	--	--	--	--	<.16	--	--	--
05-16-03	30	610	--	6.5	295	16.5	7.5	8.58	1.62	1.77	32.3	73	89
07-17-03	--	612	--	6.6	--	29.0	11.0	7.78	1.45	1.94	31.7	72	88
10-09-02	--	610	--	6.8	312	--	15.0	--	--	--	--	--	--
05-22-03	15	--	--	7.0	223	--	10.2	--	--	--	--	--	--
07-25-03	--	--	--	--	--	--	--	--	--	--	--	--	--
10-09-02	15	610	--	7.1	322	--	9.6	--	--	--	--	--	--
10-18-02	--	--	--	--	--	--	--	17.6	3.54	1.86	24.2	--	--
05-19-03	40	692	--	6.0	355	13.0	6.7	19.1	4.52	2.47	37.2	52	63
07-15-03	15	610	--	6.4	354	20.0	12.0	22.4	4.55	2.14	28.2	76	92
10-09-02	15	610	--	6.0	256	--	9.9	--	--	--	--	--	--
05-22-03	25	--	--	6.0	105	--	7.9	--	--	--	--	--	--
07-28-03	--	--	--	5.3	--	--	--	--	--	--	--	--	--
10-18-02	--	615	--	7.0	70	--	12.0	--	--	--	--	--	--
05-20-03	--	--	--	7.2	105	--	8.2	--	--	--	--	--	--
07-18-03	20	--	--	6.4	135	--	9.0	--	--	--	--	--	--
10-18-02	--	615	--	6.7	109	--	12.5	--	--	--	--	--	--
05-19-03	45	612	.6	6.3	220	13.5	7.8	9.18	1.52	1.57	17.7	57	69
07-18-03	30	--	--	6.5	218	--	11.0	--	--	--	--	--	--
10-16-02	1	608	--	6.9	88	--	10.8	--	--	--	--	--	--
05-20-03	--	--	--	7.2	129	--	7.7	--	--	--	--	--	--
07-22-03	5	620	--	6.1	109	--	--	--	--	--	--	--	--
10-18-02	--	615	--	6.6	199	--	14.0	--	--	--	--	--	--
05-20-03	--	--	--	7.0	179	--	12.0	--	--	--	--	--	--
07-18-03	25	--	--	6.5	322	--	13.0	--	--	--	--	--	--
10-18-02	--	615	--	6.9	95	2.0	14.0	--	--	--	--	--	--
05-20-03	15	--	--	7.0	139	--	9.5	--	--	--	--	--	--
07-18-03	20	--	--	6.6	123	--	9.0	--	--	--	--	--	--
10-18-02	--	--	--	6.2	146	--	--	5.51	.832	2.50	14.5	--	--
05-15-03	40	608	--	6.4	140	17.5	9.6	3.91	.607	3.04	17.0	33	40
07-23-03	30	620	--	6.1	183	26.0	12.0	5.85	.960	2.32	17.3	48	58
06-25-03	--	--	--	6.4	400	24.0	14.0	--	--	--	--	86	105
06-26-03	--	--	--	6.5	139	19.0	11.0	--	--	--	--	47	58
10-16-02	--	608	.2	6.8	269	--	13.4	8.66	1.41	1.81	26.5	64	78
05-13-03	--	611	--	6.8	219	16.0	7.0	9.94	1.61	1.64	18.8	72	88
07-17-03	--	--	--	--	--	--	--	.01	<.008	E.09	.12	--	--

QUALITY OF GROUND WATER
COLD CREEK MONITORING PROJECT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	¹ Nitrite + nitrate water, fltrd, mg/L as N (00631)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Organic carbon, water, fltrd, mg/L (00681)	Alum- inum, water, fltrd, ug/L (01106)
10-18-02	--	--	--	--	--	--	.12	.082	.043	.030	.034	--	--
05-23-03	--	--	--	--	--	--	.87	.448	.165	.097	.099	--	--
07-28-03	--	--	--	--	--	--	1.7	.317	.060	.168	.189	--	--
10-18-02	--	--	--	--	--	--	.28	.005	.054	.015	.013	--	--
05-23-03	--	--	--	--	--	--	.23	.038	.016	.006	.017	--	--
07-28-03	--	--	--	--	--	--	.11	.022	.077	.021	.049	--	--
10-08-02	.35	33.5	<.17	14.5	.2	181	5.0	2.45	.102	.174	.179	11.3	21
05-14-03	.22	26.6	<.17	14.2	5.9	189	2.6	2.70	.128	.091	.088	6.0	--
07-15-03	.02	30.6	<.2	15.2	1.6	180	3.1	2.70	.156	.099	.101	7.4	--
10-18-02	.04	62.6	<.17	17.4	2.6	173	.27	.041	.087	.014	.016	2.5	2
05-14-03	.14	47.3	<.17	12.0	4.6	172	.25	.204	.058	.028	.076	3.6	--
07-15-03	.02	92.3	<.2	16.1	2.6	239	.28	.156	.091	.019	.020	2.3	--
10-08-02	E.08	29.8	<.17	22.1	<.2	232	8.1	14.8	.007	.236	.261	15.2	32
05-12-03	.18	35.9	<.17	17.0	3.5	250	11	8.27	.127	.200	.205	12.2	--
07-14-03	.28	40.8	<.2	21.7	<.2	251	15	13.5	.253	.224	.227	13.0	--
10-08-02	.30	9.25	<.17	21.8	.8	90	.21	.069	.031	.085	.078	2.5	3
05-12-03	.08	15.3	<.17	20.3	E.7	113	.12	.126	.060	.080	.057	1.6	--
07-14-03	<.02	20.6	<.2	22.4	1.1	117	.22	.102	.124	.067	.068	.9	--
10-18-02	.25	18.8	<.17	13.9	<.2	118	.30	.177	.047	.291	.286	4.3	17
05-12-03	.06	42.8	<.17	10.6	<.9	164	.37	.278	.078	.025	.169	4.3	--
07-14-03	.04	51.1	<.2	12.3	<.2	186	.56	.205	.121	.167	.174	3.8	--
06-26-03	--	--	--	--	--	--	1.1	.343	.088	.097	.098	2.3	--
06-26-03	--	--	--	--	--	--	.20	.120	.057	.140	.145	1.0	--
10-16-02	.43	35.2	<.17	13.2	<.2	147	5.6	1.34	.072	.245	.244	5.7	12
05-16-03	--	--	--	--	--	--	.04	.023	.007	.001	.002	.9	--
05-16-03	.12	46.0	<.2	13.0	<.2	170	1.1	.909	.084	.155	.180	4.0	--
07-17-03	.39	40.4	<.2	12.7	<.2	157	1.7	1.05	.083	.212	.211	4.8	--
10-09-02	--	--	--	--	--	--	7.7	.060	.004	.185	.331	--	--
05-22-03	--	--	--	--	--	--	.58	.068	.109	.153	.163	--	--
07-25-03	--	--	--	--	--	--	.37	.030	.071	.102	.121	--	--
10-09-02	--	--	--	--	--	--	.27	.334	.005	.236	.284	--	--
10-18-02	.06	55.0	<.17	26.9	E.1	201	--	--	--	--	--	4.2	7
05-19-03	.16	75.0	<.2	22.1	.4	234	.46	.162	.043	.019	.030	7.3	--
07-15-03	.13	62.7	<.2	27.3	.3	240	.65	.357	.165	.053	.112	5.6	--
10-09-02	--	--	--	--	--	--	.21	.009	.119	.026	.028	--	--
05-22-03	--	--	--	--	--	--	.40	.022	.049	.047	.110	--	--
07-28-03	--	--	--	--	--	--	.23	.027	.059	.132	.133	--	--
10-18-02	--	--	--	--	--	--	.19	.102	.022	.087	.136	--	--
05-20-03	--	--	--	--	--	--	.09	.021	.023	.042	.046	--	--
07-18-03	--	--	--	--	--	--	.21	.100	.041	.052	.062	--	--
10-18-02	--	--	--	--	--	--	.74	.317	.004	.108	.121	--	--
05-19-03	.12	28.6	<.2	12.5	<.2	132	.67	.439	.075	.090	.099	6.1	--
07-18-03	--	--	--	--	--	--	.79	.463	.093	.090	.096	--	--
10-16-02	--	--	--	--	--	--	.10	.009	.005	.057	.078	--	--
05-20-03	--	--	--	--	--	--	.27	.049	.065	.074	.079	--	--
07-22-03	--	--	--	--	--	--	.15	.024	.064	.047	.094	--	--
10-18-02	--	--	--	--	--	--	.06	.001	.089	.005	.012	--	--
05-20-03	--	--	--	--	--	--	.85	.254	.054	.069	.076	--	--
07-18-03	--	--	--	--	--	--	.63	.391	.079	.084	.087	--	--
10-18-02	--	--	--	--	--	--	.42	.356	.093	.008	.076	--	--
05-20-03	--	--	--	--	--	--	.12	.087	.033	.002	.024	--	--
07-18-03	--	--	--	--	--	--	.14	.084	.061	.006	.013	--	--
10-18-02	.35	13.9	<.17	18.8	<.2	86	.60	.279	.071	.132	.127	5.8	38
05-15-03	.10	22.0	<.2	6.98	.5	95	.49	.231	.041	.085	.088	5.8	--
07-23-03	.31	21.4	<.2	12.7	<.2	109	.57	.325	.063	.107	.111	5.8	--
06-25-03	--	--	--	--	--	--	6.9	6.91	.157	.151	.162	15.1	--
06-26-03	--	--	--	--	--	--	.20	.141	.003	.010	.012	.8	--
10-16-02	.24	29.7	<.17	18.3	E.1	128	1.8	.791	.029	.173	.179	3.8	4
05-13-03	.59	20.7	<.17	17.8	<.9	132	.83	.674	.051	.134	.147	3.2	--
07-17-03	E.01	<.20	<.2	.02	<.2	<10	--	--	--	--	--	E.2	--

QUALITY OF GROUND WATER
COLD CREEK MONITORING PROJECT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Anti- mony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryll- ium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)	Chrom- ium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Mangan- ese, water, fltrd, ug/L (01056)	Molyb- denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)
10-18-02	--	--	--	--	--	--	--	--	--	--	--	--	--
05-23-03	--	--	--	--	--	--	--	--	--	--	--	--	--
07-28-03	--	--	--	--	--	--	--	--	--	--	--	--	--
10-18-02	--	--	--	--	--	--	--	--	--	--	--	--	--
05-23-03	--	--	--	--	--	--	--	--	--	--	--	--	--
07-28-03	--	--	--	--	--	--	--	--	--	--	--	--	--
10-08-02	<.30	<2	32	<.06	<.04	<.8	.270	E.2	14100	<.08	665	5.4	.39
05-14-03	--	--	--	--	--	--	--	--	27600	--	1260	--	--
07-15-03	--	--	--	--	--	--	--	--	24700	--	1150	--	--
10-18-02	<.30	<2	53	<.06	.05	<.8	.428	.8	1710	E.06	54.0	5.7	2.81
05-14-03	--	--	--	--	--	--	--	--	4380	--	346	--	--
07-15-03	--	--	--	--	--	--	--	--	3270	--	174	--	--
10-08-02	<.30	E1	113	<.06	<.04	<.8	1.54	E.2	44700	<.08	485	4.5	.86
05-12-03	--	--	--	--	--	--	--	--	44400	--	1090	--	--
07-14-03	--	--	--	--	--	--	--	--	55200	--	992	--	--
10-08-02	<.30	E1	11	<.06	E.04	<.8	.671	.2	6640	<.08	106	13.0	.18
05-12-03	--	--	--	--	--	--	--	--	12800	--	230	--	--
07-14-03	--	--	--	--	--	--	--	--	14000	--	254	--	--
10-18-02	<.30	<2	10	<.06	.07	E.6	.039	.6	7560	.09	113	15.9	.14
05-12-03	--	--	--	--	--	--	--	--	14900	--	215	--	--
07-14-03	--	--	--	--	--	--	--	--	19500	--	294	--	--
06-26-03	--	--	--	--	--	--	--	--	--	--	--	--	--
06-26-03	--	--	--	--	--	--	--	--	--	--	--	--	--
10-16-02	<.30	<2	21	<.06	E.02	E.5	.146	E.2	13700	<.08	196	9.4	.20
05-16-03	--	--	--	--	--	--	--	--	--	--	--	--	--
05-16-03	--	--	--	--	--	--	--	--	21100	--	311	--	--
07-17-03	--	--	--	--	--	--	--	--	18400	--	266	--	--
10-09-02	--	--	--	--	--	--	--	--	--	--	--	--	--
05-22-03	--	--	--	--	--	--	--	--	--	--	--	--	--
07-25-03	--	--	--	--	--	--	--	--	--	--	--	--	--
10-09-02	--	--	--	--	--	--	--	--	--	--	--	--	--
10-18-02	<.30	5	22	<.06	.39	<.8	.708	.3	26400	.09	338	38.8	.49
05-19-03	--	--	--	--	--	--	--	--	7270	--	268	--	--
07-15-03	--	--	--	--	--	--	--	--	19700	--	368	--	--
10-09-02	--	--	--	--	--	--	--	--	--	--	--	--	--
05-22-03	--	--	--	--	--	--	--	--	--	--	--	--	--
07-28-03	--	--	--	--	--	--	--	--	--	--	--	--	--
10-18-02	--	--	--	--	--	--	--	--	--	--	--	--	--
05-20-03	--	--	--	--	--	--	--	--	--	--	--	--	--
07-18-03	--	--	--	--	--	--	--	--	--	--	--	--	--
10-18-02	--	--	--	--	--	--	--	--	--	--	--	--	--
05-19-03	--	--	--	--	--	--	--	--	17900	--	263	--	--
07-18-03	--	--	--	--	--	--	--	--	--	--	--	--	--
10-16-02	--	--	--	--	--	--	--	--	--	--	--	--	--
05-20-03	--	--	--	--	--	--	--	--	--	--	--	--	--
07-22-03	--	--	--	--	--	--	--	--	--	--	--	--	--
10-18-02	--	--	--	--	--	--	--	--	--	--	--	--	--
05-20-03	--	--	--	--	--	--	--	--	--	--	--	--	--
07-18-03	--	--	--	--	--	--	--	--	--	--	--	--	--
10-18-02	--	--	--	--	--	--	--	--	--	--	--	--	--
05-20-03	--	--	--	--	--	--	--	--	--	--	--	--	--
07-18-03	--	--	--	--	--	--	--	--	--	--	--	--	--
10-18-02	--	--	--	--	--	--	--	--	--	--	--	--	--
05-20-03	--	--	--	--	--	--	--	--	--	--	--	--	--
07-18-03	--	--	--	--	--	--	--	--	--	--	--	--	--
10-18-02	<.30	<2	20	<.06	.17	E.6	.310	.4	12400	E.05	150	6.5	.22
05-15-03	--	--	--	--	--	--	--	--	8810	--	103	--	--
07-23-03	--	--	--	--	--	--	--	--	11800	--	138	--	--
06-25-03	--	--	--	--	--	--	--	--	--	--	--	--	--
06-26-03	--	--	--	--	--	--	--	--	--	--	--	--	--
10-16-02	<.30	<2	18	<.06	E.03	<.8	.107	E.1	11600	<.08	206	12.0	.23
05-13-03	--	--	--	--	--	--	--	--	15300	--	272	--	--
07-17-03	--	--	--	--	--	--	--	--	9	--	.8	--	--

QUALITY OF GROUND WATER
COLD CREEK MONITORING PROJECT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Selen- ium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)	Iron (bio, reac- tive), water, fltrd, ug/L (63673)
10-18-02	--	--	--	--	1200
05-23-03	--	--	--	--	15000
07-28-03	--	--	--	--	360
10-18-02	--	--	--	--	100
05-23-03	--	--	--	--	55
07-28-03	--	--	--	--	4300
10-08-02	<3	<.2	<1	2.44	37000
05-14-03	--	--	--	--	59000
07-15-03	--	--	--	--	15000
10-18-02	<3	E.1	M	1.23	1700
05-14-03	--	--	--	--	3500
07-15-03	--	--	--	--	1900
10-08-02	<3	<.2	1	1.97	36000
05-12-03	--	--	--	--	91000
07-14-03	--	--	--	--	24000
10-08-02	<3	E.1	M	3.84	6600
05-12-03	--	--	--	--	13000
07-14-03	--	--	--	--	6700
10-18-02	<3	<.2	M	4.49	7700
05-12-03	--	--	--	--	15000
07-14-03	--	--	--	--	9200
06-26-03	--	--	--	--	18000
06-26-03	--	--	--	--	12000
10-16-02	<3	<.2	<1	3.52	14000
05-16-03	--	--	--	--	720
05-16-03	--	--	--	--	46000
07-17-03	--	--	--	--	12000
10-09-02	--	--	--	--	8500
05-22-03	--	--	--	--	13000
07-25-03	--	--	--	--	5700
10-09-02	--	--	--	--	32000
10-18-02	<3	E.1	2	8.62	--
05-19-03	--	--	--	--	15000
07-15-03	--	--	--	--	11000
10-09-02	--	--	--	--	7600
05-22-03	--	--	--	--	3300
07-28-03	--	--	--	--	3500
10-18-02	--	--	--	--	3800
05-20-03	--	--	--	--	5200
07-18-03	--	--	--	--	5400
10-18-02	--	--	--	--	12000
05-19-03	--	--	--	--	37000
07-18-03	--	--	--	--	12000
10-16-02	--	--	--	--	7300
05-20-03	--	--	--	--	11000
07-22-03	--	--	--	--	3000
10-18-02	--	--	--	--	210
05-20-03	--	--	--	--	5700
07-18-03	--	--	--	--	9000
10-18-02	--	--	--	--	14000
05-20-03	--	--	--	--	4400
07-18-03	--	--	--	--	2700
10-18-02	<3	<.2	<1	4.13	14000
05-15-03	--	--	--	--	9500
07-23-03	--	--	--	--	7100
06-25-03	--	--	--	--	30000
06-26-03	--	--	--	--	54
10-16-02	<3	<.2	M	1.46	11000
05-13-03	--	--	--	--	16000
07-17-03	--	--	--	--	--

QUALITY OF GROUND WATER
COLD CREEK MONITORING PROJECT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number				Station name		Date	Time	Sample type	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Flow rate, instantaneous gal/min (00059)
385433119574402	090	N12	E18	02CCDC2	COLD CREEK 13 SHALLOW	07-17-03	1000	ENVIRONMENTAL	10.2	--	.10
	090	N12	E18	02CCDC3	COLD CREEK 13 DEEP	10-16-02	1145	ENVIRONMENTAL	15.25	--	.20
	090	N12	E18	02CCDC3	COLD CREEK 13 DEEP	05-13-03	1230	ENVIRONMENTAL	15.25	4.17	.10
	090	N12	E18	02CCDC3	COLD CREEK 13 DEEP	07-17-03	1100	ENVIRONMENTAL	15.25	--	.10
385433119574403	090	N12	E18	02CCDC4	COLD CREEK 14	10-16-02	1215	ENVIRONMENTAL	5.48	--	.20
385433119574403	090	N12	E18	02CCDC4	COLD CREEK 14	05-13-03	1400	ENVIRONMENTAL	5.48	2.04	.10
385433119574404	090	N12	E18	02CCDC4	COLD CREEK 14	07-17-03	1145	ENVIRONMENTAL	5.48	--	.10
	090	N12	E18	02CCDC5	COLD CREEK 16	10-16-02	1330	ENVIRONMENTAL	7.15	--	.20
	090	N12	E18	02CCDC5	COLD CREEK 16	05-20-03	1234	ENVIRONMENTAL	7.15	--	.10
	090	N12	E18	02CCDC5	COLD CREEK 16	07-25-03	1030	ENVIRONMENTAL	7.15	--	--
385433119574405	090	N12	E18	02CCDC15	COLD CREEK MP1B	06-25-03	0945	ENVIRONMENTAL	5.	2.50	.20
385433119574406	090	N12	E18	02CCDC16	COLD CREEK MP1D	06-25-03	1130	ENVIRONMENTAL	8.	2.50	.20
385433119574501	090	N12	E18	02CCDC6	COLD CREEK 17 SHALLOW	10-09-02	1300	ENVIRONMENTAL	6.66	--	.03
385433119574502	090	N12	E18	02CCDC6	COLD CREEK 17 SHALLOW	05-21-03	1000	ENVIRONMENTAL	6.66	--	--
	090	N12	E18	02CCDC7	COLD CREEK 17 DEEP	10-09-02	1330	ENVIRONMENTAL	10.65	--	.05
385433119574503	090	N12	E18	02CCDC7	COLD CREEK 17 DEEP	05-21-03	1033	ENVIRONMENTAL	10.65	--	.10
	090	N12	E18	02CCDC8	COLD CREEK 18	10-09-02	1230	ENVIRONMENTAL	5.08	--	.20
	090	N12	E18	02CCDC8	COLD CREEK 18	05-21-03	1110	ENVIRONMENTAL	5.08	--	.10
385433119574504	090	N12	E18	02CCDC9	COLD CREEK 19 SHALLOW	10-09-02	1130	ENVIRONMENTAL	5.56	--	.15
	090	N12	E18	02CCDC9	COLD CREEK 19 SHALLOW	05-21-03	1137	ENVIRONMENTAL	5.56	--	.10
385433119574505	090	N12	E18	02CCDC9	COLD CREEK 19 SHALLOW	07-21-03	1000	ENVIRONMENTAL	5.56	--	.02
	090	N12	E18	02CCDC11	COLD CREEK 19 DEEP	10-09-02	1200	ENVIRONMENTAL	10.	--	.05
	090	N12	E18	02CCDC11	COLD CREEK 19 DEEP	05-21-03	1205	ENVIRONMENTAL	10.	--	.02
385433119574701	090	N12	E18	02CCDC11	COLD CREEK 19 DEEP	07-21-03	1100	ENVIRONMENTAL	10.	--	.02
	090	N12	E18	02CCDC13	COLD CREEK 22	10-09-02	1030	ENVIRONMENTAL	5.57	--	.20
385433119574702	090	N12	E18	02CCDC13	COLD CREEK 22	05-22-03	1027	ENVIRONMENTAL	5.57	--	.10
	090	N12	E18	02CCDC13	COLD CREEK 22	07-25-03	1230	ENVIRONMENTAL	5.57	--	--
	090	N12	E18	02CCDC14	COLD CREEK 23	10-09-02	0945	ENVIRONMENTAL	5.4	--	.10
	090	N12	E18	02CCDC14	COLD CREEK 23	05-22-03	1130	ENVIRONMENTAL	5.4	--	.10
	090	N12	E18	02CCDC14	COLD CREEK 23	07-28-03	1030	ENVIRONMENTAL	5.4	--	--
385433119574703	090	N12	E18	02CCDC17	COLD CREEK MP5B	06-24-03	1500	ENVIRONMENTAL	6.	1.70	.20
385433119574704	090	N12	E18	02CCDC18	COLD CREEK MP5D	06-24-03	1700	ENVIRONMENTAL	10.2	1.70	.20
385434119574401	090	N12	E18	02CCDD7	COLD CREEK 11	05-15-03	1200	ENVIRONMENTAL	5.65	1.75	.10
385434119574402	090	N12	E18	02CCDD7	COLD CREEK 11	07-22-03	1100	ENVIRONMENTAL	5.65	--	.10
	090	N12	E18	02CCDC1	COLD CREEK 12	10-18-02	1015	ENVIRONMENTAL	5.13	--	--
	090	N12	E18	02CCDC1	COLD CREEK 12	05-15-03	1045	ENVIRONMENTAL	5.13	1.90	.10
	090	N12	E18	02CCDC1	COLD CREEK 12	07-22-03	1200	ENVIRONMENTAL	5.13	--	.10

QUALITY OF GROUND WATER
COLD CREEK MONITORING PROJECT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Pump or flow period prior to sam- pling, minutes (72004)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alka- linity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicar- bonate, wat flt incrm. titr., field, mg/L (00453)
07-17-03	25	612	--	6.3	197	26.5	11.0	10.3	1.62	1.85	19.5	68	83
10-16-02	25	608	.1	7.0	297	--	11.4	11.2	1.57	1.89	23.9	62	76
05-13-03	--	611	.3	6.8	217	--	9.8	11.4	1.41	1.64	16.0	77	93
07-17-03	30	612	--	6.5	190	26.5	10.0	11.2	1.43	1.73	18.2	76	93
10-16-02	1	608	.2	6.6	300	--	11.4	15.4	2.33	3.55	29.1	68	84
05-13-03	1	611	.3	6.4	248	--	9.4	10.4	1.55	2.12	13.3	75	91
07-17-03	1	612	--	6.3	174	27.0	7.0	10.3	1.59	2.93	19.4	54	66
10-16-02	30	608	--	6.3	336	--	13.0	--	--	--	--	--	--
05-20-03	20	--	--	6.9	335	--	8.4	--	--	--	--	--	--
07-25-03	--	--	--	--	--	--	--	--	--	--	--	--	--
06-25-03	15	--	--	6.6	256	14.5	10.0	--	--	--	--	96	117
06-25-03	15	--	--	6.6	167	18.0	10.0	--	--	--	--	58	71
10-09-02	3	610	--	6.9	374	--	12.7	--	--	--	--	--	--
05-21-03	--	--	--	7.4	350	--	14.1	--	--	--	--	--	--
10-09-02	--	610	--	6.9	595	--	12.5	--	--	--	--	--	--
05-21-03	5	--	--	7.0	233	--	8.3	--	--	--	--	--	--
10-09-02	5	--	--	7.0	265	--	9.4	--	--	--	--	--	--
05-21-03	--	--	--	6.6	160	--	7.4	--	--	--	--	--	--
10-09-02	1	610	--	6.9	245	--	10.0	--	--	--	--	--	--
05-21-03	20	--	--	6.2	100	--	7.6	--	--	--	--	--	--
07-21-03	30	--	--	5.7	102	--	14.0	--	--	--	--	--	--
10-09-02	3	610	--	7.0	288	--	9.9	--	--	--	--	--	--
05-21-03	20	--	--	7.2	220	--	13.4	--	--	--	--	--	--
07-21-03	20	--	--	6.9	301	--	13.0	--	--	--	--	--	--
10-09-02	20	--	--	6.7	234	--	9.6	--	--	--	--	--	--
05-22-03	15	--	--	6.9	220	--	6.2	--	--	--	--	--	--
07-25-03	--	--	--	--	--	--	--	--	--	--	--	--	--
10-09-02	1	610	--	5.8	44	--	9.7	--	--	--	--	--	--
05-22-03	10	--	--	6.6	122	--	7.8	--	--	--	--	--	--
07-28-03	--	--	--	--	--	--	--	--	--	--	--	--	--
06-24-03	--	--	--	5.8	235	21.0	10.0	--	--	--	--	20	25
06-24-03	--	--	--	6.5	276	16.0	9.0	--	--	--	--	50	61
05-15-03	--	611	--	6.4	237	17.0	7.6	13.0	2.07	1.45	21.0	49	60
07-22-03	30	620	--	5.9	289	27.5	14.0	12.5	1.93	1.43	26.7	48	59
10-18-02	--	--	--	6.4	120	--	--	6.70	1.11	.98	13.1	--	--
05-15-03	--	610	--	6.4	316	17.0	6.2	13.7	2.20	1.46	19.6	64	78
07-22-03	30	620	--	6.1	227	--	14.0	9.94	1.53	E.98	16.9	54	65

QUALITY OF GROUND WATER
COLD CREEK MONITORING PROJECT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	¹ Nitrite + nitrate water fltrd, mg/L as N (00631)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Organic carbon, water, fltrd, mg/L (00681)	Alum- inum, water, fltrd, ug/L (01106)
07-17-03	.49	25.8	<.2	18.5	<.2	131	1.0	.734	.084	.155	.157	2.3	--
10-16-02	E.12	30.6	<.17	23.9	E.1	144	.38	.510	.009	.013	.165	2.8	5
05-13-03	.32	15.6	<.17	23.8	E.6	131	.39	.415	.038	.146	.153	1.8	--
07-17-03	.44	18.7	<.2	23.2	.2	124	.65	.259	.129	.135	.147	1.9	--
10-16-02	.26	50.5	<.17	17.0	E.2	190	1.7	1.05	.029	.094	.195	10.1	12
05-13-03	.45	23.8	<.17	22.3	3.6	164	.58	.305	.074	.382	.408	7.7	--
07-17-03	.82	28.1	<.2	18.1	.5	151	1.2	.394	.121	.328	.333	8.5	--
10-16-02	--	--	--	--	--	--	2.9	1.56	.031	.100	.115	--	--
05-20-03	--	--	--	--	--	--	1.8	1.32	.136	.097	.110	--	--
07-25-03	--	--	--	--	--	--	1.6	1.50	.111	.134	.155	--	--
06-25-03	--	--	--	--	--	--	.95	.770	.132	.185	.186	4.1	--
06-25-03	--	--	--	--	--	--	.32	.237	.019	.062	.065	1.1	--
10-09-02	--	--	--	--	--	--	.05	.041	.005	.025	.039	--	--
05-21-03	--	--	--	--	--	--	.29	.095	.034	.026	.031	--	--
10-09-02	--	--	--	--	--	--	.16	.011	.041	.003	.015	--	--
05-21-03	--	--	--	--	--	--	.15	.017	.051	.002	.034	--	--
10-09-02	--	--	--	--	--	--	.04	.036	.009	.041	.132	--	--
05-21-03	--	--	--	--	--	--	.33	.016	.048	.074	.081	--	--
10-09-02	--	--	--	--	--	--	.30	.037	.024	.202	.296	--	--
05-21-03	--	--	--	--	--	--	.35	.016	.051	.131	.135	--	--
07-21-03	--	--	--	--	--	--	.47	.030	.045	.080	.093	--	--
10-09-02	--	--	--	--	--	--	.29	.035	.032	.286	.336	--	--
05-21-03	--	--	--	--	--	--	.31	.038	.030	.067	.067	--	--
07-21-03	--	--	--	--	--	--	.17	.109	.089	.258	.306	--	--
10-09-02	--	--	--	--	--	--	1.5	.216	.005	.034	.038	--	--
05-22-03	--	--	--	--	--	--	.49	.180	.079	.056	.063	--	--
07-25-03	--	--	--	--	--	--	.42	.175	.088	.055	.090	--	--
10-09-02	--	--	--	--	--	--	.10	.007	.021	.134	.181	--	--
05-22-03	--	--	--	--	--	--	.24	.019	.052	.142	.145	--	--
07-28-03	--	--	--	--	--	--	.54	.100	.046	.229	.253	--	--
06-24-03	--	--	--	--	--	--	.29	.016	.024	.017	.019	5.8	--
06-24-03	--	--	--	--	--	--	.47	.218	.137	.199	.225	4.1	--
05-15-03	.05	46.9	<.2	18.8	.6	173	.51	.312	.069	.085	.098	5.9	--
07-22-03	.24	51.8	<.2	17.8	<.2	184	.67	.314	.073	.071	.079	4.8	--
10-18-02	.04	15.1	<.17	18.9	<.2	100	.64	.449	.004	.153	.167	5.4	35
05-15-03	E.02	53.0	<.2	17.8	<.2	206	.61	.509	.102	.092	.129	6.5	--
07-22-03	.25	36.0	<.2	17.8	E.1	166	.79	.479	.116	.204	.208	6.3	--

QUALITY OF GROUND WATER
COLD CREEK MONITORING PROJECT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Anti- mony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryll- ium, water, fltrd, ug/L (01010)	Cadmium water, fltrd, ug/L (01025)	Chrom- ium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Mangan- ese, water, fltrd, ug/L (01056)	Molyb- denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)
07-17-03	--	--	--	--	--	--	--	--	15200	--	271	--	--
10-16-02	<.30	2	17	<.06	.04	<.8	.477	.3	16500	E.05	192	18.3	.31
05-13-03	--	--	--	--	--	--	--	--	17100	--	170	--	--
07-17-03	--	--	--	--	--	--	--	--	22800	--	177	--	--
10-16-02	<.30	E1	43	<.06	.14	E.7	1.37	.4	24000	<.08	234	20.2	.80
05-13-03	--	--	--	--	--	--	--	--	21600	--	136	--	--
07-17-03	--	--	--	--	--	--	--	--	25800	--	170	--	--
10-16-02	--	--	--	--	--	--	--	--	--	--	--	--	--
05-20-03	--	--	--	--	--	--	--	--	--	--	--	--	--
07-25-03	--	--	--	--	--	--	--	--	--	--	--	--	--
06-25-03	--	--	--	--	--	--	--	--	--	--	--	--	--
06-25-03	--	--	--	--	--	--	--	--	--	--	--	--	--
10-09-02	--	--	--	--	--	--	--	--	--	--	--	--	--
05-21-03	--	--	--	--	--	--	--	--	--	--	--	--	--
10-09-02	--	--	--	--	--	--	--	--	--	--	--	--	--
05-21-03	--	--	--	--	--	--	--	--	--	--	--	--	--
10-09-02	--	--	--	--	--	--	--	--	--	--	--	--	--
05-21-03	--	--	--	--	--	--	--	--	--	--	--	--	--
07-21-03	--	--	--	--	--	--	--	--	--	--	--	--	--
10-09-02	--	--	--	--	--	--	--	--	--	--	--	--	--
05-21-03	--	--	--	--	--	--	--	--	--	--	--	--	--
10-09-02	--	--	--	--	--	--	--	--	--	--	--	--	--
05-21-03	--	--	--	--	--	--	--	--	--	--	--	--	--
07-21-03	--	--	--	--	--	--	--	--	--	--	--	--	--
10-09-02	--	--	--	--	--	--	--	--	--	--	--	--	--
05-21-03	--	--	--	--	--	--	--	--	--	--	--	--	--
10-09-02	--	--	--	--	--	--	--	--	--	--	--	--	--
05-22-03	--	--	--	--	--	--	--	--	--	--	--	--	--
07-25-03	--	--	--	--	--	--	--	--	--	--	--	--	--
10-09-02	--	--	--	--	--	--	--	--	--	--	--	--	--
05-22-03	--	--	--	--	--	--	--	--	--	--	--	--	--
07-28-03	--	--	--	--	--	--	--	--	--	--	--	--	--
06-24-03	--	--	--	--	--	--	--	--	--	--	--	--	--
06-24-03	--	--	--	--	--	--	--	--	--	--	--	--	--
05-15-03	--	--	--	--	--	--	--	--	17000	--	139	--	--
07-22-03	--	--	--	--	--	--	--	--	14800	--	124	--	--
10-18-02	<.30	E2	18	<.06	.09	1.0	1.78	.3	17500	E.05	171	10.0	.45
05-15-03	--	--	--	--	--	--	--	--	28900	--	310	--	--
07-22-03	--	--	--	--	--	--	--	--	21100	--	195	--	--

QUALITY OF GROUND WATER
COLD CREEK MONITORING PROJECT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Selen- ium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Zinc, water, fltrd, ug/L (01090)	Uranium natural water, fltrd, ug/L (22703)	Iron (bio reac- tive), water, fltrd, ug/L (63673)
07-17-03	--	--	--	--	10000
10-16-02	<3	<.2	M	2.09	19000
05-13-03	--	--	--	--	17000
07-17-03	--	--	--	--	10000
10-16-02	<3	<.2	7	2.30	23000
05-13-03	--	--	--	--	57000
07-17-03	--	--	--	--	11000
10-16-02	--	--	--	--	25000
05-20-03	--	--	--	--	60000
07-25-03	--	--	--	--	11000
06-25-03	--	--	--	--	25000
06-25-03	--	--	--	--	4600
10-09-02	--	--	--	--	15000
05-21-03	--	--	--	--	24000
10-09-02	--	--	--	--	110
05-21-03	--	--	--	--	24
10-09-02	--	--	--	--	13000
05-21-03	--	--	--	--	12000
10-09-02	--	--	--	--	18000
05-21-03	--	--	--	--	12000
07-21-03	--	--	--	--	2800
10-09-02	--	--	--	--	17000
05-21-03	--	--	--	--	29000
07-21-03	--	--	--	--	5400
10-09-02	--	--	--	--	21000
05-22-03	--	--	--	--	28000
07-25-03	--	--	--	--	9400
10-09-02	--	--	--	--	1900
05-22-03	--	--	--	--	5200
07-28-03	--	--	--	--	2100
06-24-03	--	--	--	--	2000
06-24-03	--	--	--	--	24000
05-15-03	--	--	--	--	18000
07-22-03	--	--	--	--	11000
10-18-02	<3	E.1	M	4.21	21000
05-15-03	--	--	--	--	62000
07-22-03	--	--	--	--	15000

Remark codes used in this report:

< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

¹ Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

GROUND-WATER LEVELS

COLD CREEK MONITORING PROJECT

Water-level data were collected in the Cold Creek watershed as part of a cooperative study with El Dorado County Department of Transportation and California Tahoe Conservancy. The purpose of the study is to assess effects of urban runoff into a detention basin adjacent to Cold Creek.

Water Level Method--S, steel tape; T, electric tape; V, calibrated electric tape.

The following sites are shown in figure 35.

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)			
				Date	Time	(Feet)	Method
COLD CREEK 01	385432119574001	5.55	6278.84	10/04/2002	1330	3.07	V
				11/05/2002	1057	3.07	V
				03/27/2003	1439	3.67	V
				06/23/2003	1102	2.55	V
				07/29/2003	1153	2.88	V
				08/04/2003	1205	2.81	S
				08/27/2003	1218	2.93	V
				09/25/2003	1423	3.10	V
				10/04/2002	1320	5.61	V
COLD CREEK 02	385432119574002	6.75	6281.57	11/05/2002	1059	5.81	V
				06/23/2003	1055	5.0	V
				07/29/2003	1156	5.35	V
				08/04/2003	1204	5.34	S
				08/27/2003	1217	5.48	V
				09/25/2003	1420	5.65	V
				10/04/2002	1307	9.10	V
				11/05/2002	1052	8.94	V
				03/27/2003	1213	6.64	V
COLD CREEK 03 DEEP	385432119574302	15.1	6281.21	04/10/2003	1018	6.10	V
				05/29/2003	1135	7.32	V
				06/23/2003	0953	8.00	V
				07/29/2003	1140	7.44	V
				08/04/2003	1155	7.08	S
				08/27/2003	1213	7.27	V
				09/25/2003	1407	8.74	V
				10/04/2002	1315	9.14	V
				11/05/2002	1052	9.04	V
COLD CREEK 03 SHALLOW	385432119574301	10.2	6281.23	12/04/2002	1500	8.41	V
				03/27/2003	1215	6.72	V
				04/10/2003	1015	7.70	V
				05/29/2003	1134	7.46	V
				06/23/2003	0952	8.16	V
				07/29/2003	1142	7.60	V
				08/04/2003	1157	7.23	S
				08/27/2003	1212	7.42	V
				09/25/2003	1409	8.82	V
COLD CREEK 04	385433119574201	10.2	6279.12	10/04/2002	1302	5.93	V
				11/05/2002	1050	5.85	V
				12/04/2002	1511	4.38	V
				03/13/2003	1214	4.60	V
				03/27/2003	1219	4.18	V
				04/10/2003	1022	3.44	V
				05/29/2003	1141	4.64	V
				06/23/2003	0959	5.17	V
				07/29/2003	1137	4.87	V
COLD CREEK 05	385433119574202	10.2	6278.03	08/04/2003	1153	4.64	S
				08/27/2003	1211	4.73	V
				09/25/2003	1403	5.74	V
				10/04/2002	1259	5.99	V
				11/05/2002	1049	5.91	T
				12/04/2002	1510	5.40	V
				03/13/2003	1211	4.56	V
				04/10/2003	1024	4.30	V
				05/29/2003	1143	4.54	V
				06/23/2003	1002	5.13	V
				07/29/2003	1135	4.80	V
				08/04/2003	1148	4.55	S
				08/27/2003	1210	4.70	V
				09/25/2003	1400	5.72	V

GROUND-WATER LEVELS
COLD CREEK MONITORING PROJECT--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)			
				Date	Time	(Feet)	Method
COLD CREEK 06 DEEP	385433119574302	15.	6277.40	10/04/2002	1251	6.10	V
				11/05/2002	1048	6.04	V
				12/04/2002	1517	5.40	V
				03/13/2003	1206	4.82	V
				03/27/2003	1223	4.10	V
				04/10/2003	1034	4.48	V
				05/29/2003	1202	4.50	V
				06/23/2003	1006	5.29	V
				08/04/2003	1143	4.73	S
				08/27/2003	1209	4.95	V
COLD CREEK 06 SHALLOW	385433119574301	8.95	6277.37	09/25/2003	1356	5.85	V
				10/04/2002	1259	5.30	V
				11/05/2002	1049	6.02	V
				12/04/2002	1520	5.50	V
				03/13/2003	1208	4.76	V
				03/27/2003	1221	3.99	V
				04/10/2003	1032	4.40	V
				05/29/2003	1149	4.65	V
				06/23/2003	1005	5.28	V
				07/29/2003	1133	4.92	V
COLD CREEK 07	385433119574203	4.97	6273.29	08/04/2003	1145	4.67	S
				08/27/2003	1208	4.90	V
				09/25/2003	1358	5.84	V
				10/04/2002	1240	1.80	V
				11/05/2002	1048	1.78	V
				12/04/2002	1523	1.39	V
				03/27/2003	1225	.50	V
				04/10/2003	1036	.72	V
				07/29/2003	1129	0.91	V
				08/04/2003	1141	0.78	S
COLD CREEK 08 DEEP	385432119574304	14.95	6278.15	08/27/2003	1206	.97	V
				09/25/2003	1353	1.62	V
				10/04/2002	1232	5.28	V
				11/05/2002	1036	5.19	V
				12/04/2002	1453	4.72	V
				03/13/2003	1237	3.76	V
				03/27/2003	1205	3.27	V
				04/10/2003	1120	3.60	V
				05/27/2003	1020	3.83	V
				06/02/2003	1108	3.77	V
COLD CREEK 08 SHALLOW	385432119574303	9.2	6278.13	06/23/2003	0947	4.36	V
				07/29/2003	1147	4.13	V
				08/04/2003	1138	3.90	S
				08/27/2003	1215	4.10	V
				09/25/2003	1412	5.02	V
				10/04/2002	1236	5.19	V
				11/05/2002	1036	5.10	V
				12/04/2002	1450	4.60	V
				03/13/2003	1236	3.70	V
				03/27/2003	1204	3.15	V
COLD CREEK 09	385432119574305	9.9	6279.30	04/10/2003	1119	3.50	V
				05/27/2003	1010	3.69	S
				06/02/2003	1106	3.68	V
				06/23/2003	0948	4.29	V
				07/29/2003	1145	3.98	V
				08/04/2003	1137	3.76	S
				08/27/2003	1215	3.96	V
				09/25/2003	1410	4.61	V
				10/04/2002	1228	7.83	V
				11/05/2002	1035	7.73	V
COLD CREEK 09	385432119574305	9.9	6279.30	12/04/2002	1455	7.25	V
				03/27/2003	1202	5.07	V
				04/10/2003	1118	6.10	V
				06/02/2003	1110	6.32	V

GROUND-WATER LEVELS
COLD CREEK MONITORING PROJECT--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)			
				Date	Time	(Feet)	Method
COLD CREEK 09	385432119574305	9.9	6279.30	06/10/2003	0900	6.35	V
				06/23/2003	0945	6.87	V
				07/29/2003	1149	6.70	V
				08/04/2003	1134	6.47	S
				08/27/2003	1214	6.66	V
				09/25/2003	1414	7.56	V
COLD CREEK 10	385433119574303	10.2	6276.39	10/04/2002	1224	5.44	V
				11/05/2002	1046	5.44	V
				12/04/2002	1541	5.01	V
				03/13/2003	1235	4.65	V
				04/10/2003	1040	4.25	V
				05/29/2003	1156	4.22	V
				06/02/2003	1045	4.15	V
				06/09/2003	0815	4.34	V
				06/23/2003	1010	4.61	V
				07/29/2003	1127	4.59	V
				08/04/2003	1130	4.41	S
				08/27/2003	1205	4.63	V
COLD CREEK 11	385434119574401	5.65	6272.83	09/25/2003	1350	5.31	V
				10/04/2002	1220	2.32	V
				11/05/2002	1030	2.38	T
				12/04/2002	1526	2.21	V
				03/13/2003	1226	1.97	V
				03/27/2003	1233	2.04	V
				04/10/2003	1042	1.92	V
				05/29/2003	1155	1.44	V
				06/02/2003	1105	1.30	V
				06/09/2003	0854	1.23	V
				06/23/2003	1012	1.89	V
				07/29/2003	1123	1.99	V
COLD CREEK 12	385434119574402	5.13	6275.14	08/04/2003	1128	1.83	S
				08/27/2003	1203	2.12	V
				09/25/2003	1347	2.38	V
				10/04/2002	1216	2.31	V
				11/05/2002	1028	2.37	V
				12/04/2002	1555	2.26	V
				03/13/2003	1228	2.40	V
				03/27/2003	1235	2.04	V
				04/10/2003	1045	2.04	V
				05/29/2003	1156	1.51	V
				06/10/2003	0920	0.92	V
				06/23/2003	1013	1.64	V
COLD CREEK 13 DEEP	385433119574402	15.25	6275.69	07/29/2003	1121	2.09	V
				08/04/2003	1126	2.05	V
				08/27/2003	1202	2.25	V
				09/25/2003	1343	2.42	V
				10/04/2002	1208	5.23	V
				11/05/2002	1044	5.18	V
				12/04/2002	1546	4.98	V
				03/13/2003	1132	4.37	V
				03/27/2003	1254	4.15	V
				04/10/2003	1051	4.31	V
				05/27/2003	1227	4.15	V
				05/29/2003	1207	4.00	V
				06/23/2003	1019	4.35	V
				07/29/2003	1114	4.60	V
				08/04/2003	1121	4.47	S
				08/27/2003	1201	4.68	V
				09/25/2003	1335	5.12	V

GROUND-WATER LEVELS
COLD CREEK MONITORING PROJECT--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)			
				Date	Time	(Feet)	Method
COLD CREEK 13 SHALLOW	385433119574401	10.2	6272.64	10/04/2002	1212	4.10	V
				11/05/2002	1044	4.02	T
				12/04/2002	1550	3.63	V
				03/13/2003	1123	2.88	V
				03/27/2003	1252	2.38	V
				04/10/2003	1048	3.66	V
				05/27/2003	1225	2.80	V
				05/29/2003	1205	2.70	V
				06/23/2003	1018	3.21	V
				07/29/2003	1116	3.09	V
				08/04/2003	1119	2.88	S
				08/27/2003	1201	3.13	V
				09/25/2003	1333	3.89	V
COLD CREEK 14	385433119574403	5.48	6272.60	10/04/2002	1208	2.53	V
				03/13/2003	1154	2.27	V
				03/27/2003	1250	2.16	V
				04/10/2003	1116	2.22	V
				05/27/2003	1404	1.69	V
				05/29/2003	1151	1.50	V
				06/23/2003	1022	1.70	V
				07/29/2003	1111	2.14	V
				08/04/2003	1117	2.10	S
				08/27/2003	1202	2.34	V
				09/25/2003	1330	2.50	V
				10/04/2002	1202	7.42	V
				11/05/2002	1031	7.32	V
COLD CREEK 15	385432119574401	10.2	6278.33	12/04/2002	1615	7.93	V
				03/13/2003	1255	8.50	V
				03/27/2003	1315	8.01	V
				04/10/2003	1113	5.42	V
				06/02/2003	1114	6.01	V
				06/10/2003	0839	7.30	V
				06/23/2003	1023	8.66	V
				07/29/2003	1108	6.50	V
				08/04/2003	1115	6.34	S
				08/27/2003	1158	6.54	V
				09/25/2003	1328	7.45	V
				10/04/2002	1200	2.97	V
				11/05/2002	1024	2.87	V
COLD CREEK 16	385433119574404	7.15	6273.47	12/04/2002	1600	2.54	V
				03/13/2003	1155	1.17	V
				03/27/2003	1312	1.32	V
				04/10/2003	1114	1.61	V
				06/02/2003	1120	1.65	V
				06/10/2003	0816	1.65	S
				06/23/2003	1024	1.57	V
				07/29/2003	1106	2.25	V
				08/04/2003	1112	2.10	S
				08/27/2003	1157	2.33	V
				09/25/2003	1325	2.97	V
				10/04/2002	1152	2.49	V
				11/05/2002	1021	2.41	T
COLD CREEK 17 DEEP	385433119574502	10.65	6272.82	12/04/2002	1601	2.12	V
				03/13/2003	1155	1.17	V
				03/27/2003	1257	1.00	V
				04/10/2003	1054	1.25	V
				06/02/2003	1125	1.06	V
				06/23/2003	1027	1.59	V
				07/29/2003	1100	1.78	V
				08/04/2003	1110	1.66	S
				08/27/2003	1156	1.90	V
				09/25/2003	1320	2.36	V

GROUND-WATER LEVELS
COLD CREEK MONITORING PROJECT--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)			
				Date	Time	(Feet)	Method
COLD CREEK 17 SHALLOW	385433119574501	6.66	6272.71	10/04/2002	1156	2.61	V
				11/05/2002	1023	2.38	V
				12/04/2002	1602	2.04	V
				03/13/2003	1154	.78	V
				03/27/2003	1256	.75	V
				04/10/2003	1053	1.18	V
				06/02/2003	1123	1.30	V
				06/23/2003	1025	1.90	V
				07/29/2003	1102	1.98	V
				08/04/2003	1109	1.74	S
				08/27/2003	1156	2.03	V
				09/25/2003	1318	2.74	V
COLD CREEK 18	385433119574503	5.08	6271.93	10/04/2002	1148	2.70	V
				11/05/2002	1020	2.81	V
				12/04/2002	1558	2.69	V
				03/13/2003	1158	2.11	V
				03/27/2003	1259	2.20	V
				04/10/2003	1057	2.04	V
				06/02/2003	1130	1.19	V
				06/12/2003	0843	1.19	V
				07/29/2003	1057	1.79	V
				08/04/2003	1107	2.17	S
				08/27/2003	1154	2.48	V
				09/25/2003	1325	2.61	V
COLD CREEK 19 DEEP	385433119574505	10.	6272.11	10/04/2002	1140	2.91	V
				11/05/2002	1019	2.90	V
				12/04/2002	1606	2.43	V
				03/13/2003	1201	1.67	V
				03/27/2003	1302	1.71	V
				04/10/2003	1058	1.78	V
				06/02/2003	1136	1.41	V
				06/23/2003	1035	1.95	V
				06/24/2003	1119	2.09	V
				07/29/2003	1053	3.50	V
				08/04/2003	1105	3.70	S
				08/27/2003	1153	3.34	V
COLD CREEK 19 SHALLOW	385433119574504	5.56	6272.19	09/25/2003	1310	3.23	V
				10/04/2002	1144	3.08	V
				11/05/2002	1019	2.99	V
				12/04/2002	1605	2.79	V
				03/13/2003	1200	1.28	V
				03/27/2003	1300	1.48	V
				04/10/2003	1059	1.80	V
				06/02/2003	1133	1.56	V
				06/23/2003	1035	1.95	V
				07/29/2003	1054	2.64	V
				08/04/2003	1103	2.49	S
				08/27/2003	1153	2.84	V
COLD CREEK 20	385432119574501	7.15	6272.77	09/25/2003	1310	3.23	V
				10/04/2002	1130	2.95	V
				11/05/2002	1024	3.13	V
				12/04/2002	1603	2.79	V
				03/13/2003	1231	1.67	V
				03/27/2003	1311	.72	V
				04/10/2003	1108	1.24	V
				06/02/2003	1141	1.53	V
				06/12/2003	0752	1.66	V
				06/23/2003	1039	1.61	V
				07/29/2003	1051	2.60	V
				08/04/2003	1101	2.20	S
				08/27/2003	1153	2.59	V
				09/25/2003	1307	3.30	V

GROUND-WATER LEVELS
COLD CREEK MONITORING PROJECT--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)			
				Date	Time	(Feet)	Method
COLD CREEK 21	385432119574601	4.95	6272.19	10/04/2002	1130	2.95	V
				11/05/2002	1018	2.96	T
				12/04/2002	1608	2.75	V
				03/13/2003	1148	1.48	V
				03/27/2003	1304	1.45	V
				04/10/2003	1106	1.86	V
				06/02/2003	1145	1.49	V
				06/12/2003	0845	1.66	V
				06/23/2003	1042	2.13	V
				07/29/2003	1048	2.38	V
				08/04/2003	1059	2.32	S
				08/27/2003	1152	2.60	V
				09/25/2003	1301	2.84	V
COLD CREEK 22	385433119574701	5.57	6271.94	10/04/2002	1126	3.21	V
				11/05/2002	1010	3.22	V
				12/04/2002	1611	3.07	V
				03/13/2003	1146	1.62	V
				03/27/2003	1305	1.63	V
				04/10/2003	1101	2.22	V
				06/02/2003	1150	1.94	V
				06/12/2003	0913	1.95	V
				06/23/2003	1044	2.26	V
				07/29/2003	1045	2.77	V
				08/04/2003	1057	2.70	S
				08/27/2003	1148	2.96	V
				09/25/2003	1358	3.16	V
COLD CREEK 23	385433119574702	5.4	6271.08	11/04/2002	1122	2.57	V
				11/05/2002	0950	2.60	V
				12/04/2002	1610	2.52	V
				03/13/2003	1144	2.19	V
				03/27/2003	1307	1.72	V
				04/10/2003	1103	2.00	V
				06/02/2003	1154	1.39	V
				06/23/2003	1047	1.85	V
				07/29/2003	1043	2.25	V
				08/04/2003	1055	2.19	S
				08/27/2003	1151	2.45	V
				09/25/2003	1245	3.57	V
COLD CREEK 24	385432119574701	5.5	6271.97	10/04/2002	1118	3.58	V
				11/05/2002	0948	3.52	V
				12/04/2002	1623	3.35	V
				03/27/2003	1309	4.47	V
				04/10/2003	1104	2.40	V
				06/02/2003	1157	2.34	V
				06/12/2003	0942	2.39	V
				06/23/2003	1049	2.67	V
				07/29/2003	1040	3.18	V
				08/04/2003	1052	3.14	S
				08/27/2003	1150	3.34	V
				09/25/2003	1245	3.57	V

LAKE TAHOE BASIN

Water-quality measurements in the following table were made in cooperation with the Tahoe Regional Planning Agency from surface-water sites throughout the Lake Tahoe Basin to monitor long-term nutrient and sediment concentrations. Samples were analyzed by the University of California, Davis, Tahoe Research Group. Quality-assurance samples are defined in the introductory text section titled "Water Quality-Control Data." The following sites are shown in figure 18 and 19.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	Station name	Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)
10336580	UPPER TRUCKEE RIVER AT SOUTH UPPER TRUCKEE ROAD NEAR MEYERS CA	08-06-03	1345	ENVIRONMENTAL	7.6	--	--
		08-06-03	1350	REPLICATE	--	--	--
103366092	UPPER TRUCKEE RIVER AT HIGHWAY 50 ABOVE MEYERS CA	08-06-03	1200	ENVIRONMENTAL	19	--	--
		08-06-03	1205	REPLICATE	--	--	--
10336610	UPPER TRUCKEE RIVER AT SOUTH LAKE TAHOE CALIF	08-06-03	0945	ENVIRONMENTAL	17	--	--
		08-06-03	0950	REPLICATE	--	--	--
10336645	GENERAL CREEK NEAR MEEKS BAY CA	08-14-03	1750	ENVIRONMENTAL	.80	611	6.8
		08-14-03	1755	REPLICATE	--	611	6.8
10336660	BLACKWOOD CREEK NEAR TAHOE CITY CALIF	08-14-03	1635	ENVIRONMENTAL	2.8	611	7.2
		08-14-03	1640	REPLICATE	--	611	7.2
10336674	WARD CREEK BELOW CONFLUENCE NEAR TAHOE CITY CA	08-14-03	1330	ENVIRONMENTAL	.50	--	--
		08-14-03	1335	REPLICATE	--	--	--
10336676	WARD CREEK AT HY 89 NEAR TAHOE PINES, CALIF	08-14-03	1525	ENVIRONMENTAL	1.3	612	7.2
		08-14-03	1530	REPLICATE	--	612	7.2
10336698	THIRD CREEK NEAR CRYSTAL BAY, NV	08-04-03	1645	ENVIRONMENTAL	2.0	--	--
		08-04-03	1650	REPLICATE	--	--	--
103366993	INCLINE CREEK ABOVE TYROL VILLAGE NEAR INCLINE VILLAGE NV	08-04-03	1215	ENVIRONMENTAL	2.7	--	--
		08-04-03	1220	REPLICATE	--	--	--
103366995	INCLINE CREEK AT HIGHWAY 28 AT INCLINE VILLAGE, NV	08-04-03	1350	ENVIRONMENTAL	2.6	--	--
		08-04-03	1355	REPLICATE	--	--	--
10336700	INCLINE CREEK NEAR CRYSTAL BAY, NV	08-04-03	1530	ENVIRONMENTAL	2.4	--	--
		08-04-03	1535	REPLICATE	--	--	--
10336730	GLENBROOK CREEK AT GLENBROOK, NV	08-05-03	1610	ENVIRONMENTAL	.20	--	--
		08-05-03	1615	REPLICATE	--	--	--
10336740	LOGAN HOUSE CREEK NEAR GLENBROOK, NV	08-05-03	1415	ENVIRONMENTAL	.10	--	--
		08-05-03	1420	REPLICATE	--	--	--
103367592	EAGLE ROCK CREEK NEAR STATELINE, NV	08-05-03	0920	ENVIRONMENTAL	.60	--	--
		08-05-03	0925	REPLICATE	--	--	--
10336760	EDGEWOOD CREEK AT STATELINE, NV	08-05-03	1240	ENVIRONMENTAL	2.1	--	--
		08-05-03	1245	REPLICATE	--	--	--
10336770	TROUT CREEK AT USFS ROAD 12N01 NEAR MEYERS CA	08-08-03	1510	ENVIRONMENTAL	5.9	--	--
		08-08-03	1515	REPLICATE	--	--	--
10336775	TROUT CREEK AT PIONEER TRAIL NEAR SOUTH LAKE TAHOE CA	08-08-03	1240	ENVIRONMENTAL	10	--	--
		08-08-03	1245	REPLICATE	--	--	--
10336790	TROUT CREEK AT SOUTH LAKE TAHOE CALIF	08-08-03	0925	ENVIRONMENTAL	E25	--	--
		08-08-03	0930	REPLICATE	--	--	--

QUALITY OF SURFACE WATER
LAKE TAHOE BASIN--Continued

Water-Quality Data, October 2002 to September 2003

Date	Turbidity, water, unfltrd field, NTU (61028)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unfltrd uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	¹ Nitrite + nitrate water fltrd, mg/L as N (00631)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, unfltrd mg/L (00665)
10-23-02	.2	582	8.2	98	7.4	8	9.5	11.1	.09	.004	.002	.001	.004
10-23-02	.2	582	8.2	98	7.4	8	9.5	11.1	.12	.003	.005	.001	.005
06-17-03	1.9	583	8.7	116	8.9	8	23.0	16.2	.11	.001	.006	.002	.013
08-14-03	.3	587	6.9	90	9.6	31	21.0	15.5	.10	.011	.012	.001	.009
10-23-02	.7	603	7.5	86	7.3	23	10.5	10.9	.26	.099	.030	.014	.029
06-18-03	.4	604	7.7	105	7.5	20	25.0	19.0	.07	.008	.010	.002	.005
08-14-03	.4	610	7.3	95	8.0	22	24.5	17.0	.08	.001	.011	.001	.007
10-22-02	3.1	570	6.5	73	6.8	53	7.5	7.7	1.6	.003	.036	.004	.020
06-19-03	6.9	570	7.1	82	6.4	48	15.0	8.9	--	.005	.072	.005	.039
08-11-03	3.2	579	7.6	86	8.0	54	22.5	8.5	.12	.010	.064	.003	.019
10-30-02	.5	580	7.8	90	6.6	7	6.0	9.7	.08	.001	.005	.001	.005
10-30-02	.2	580	7.7	89	7.0	7	6.0	9.7	.17	.001	.004	.002	.005
06-17-03	.4	583	8.6	111	7.6	7	21.0	14.5	.08	.003	.010	.003	.006
06-17-03	.4	583	9.8	106	7.6	7	21.0	6.9	.08	.003	.006	.001	.006
08-19-03	.4	586	9.0	124	9.3	6	22.5	18.0	.11	.011	.004	.001	.004
08-19-03	.5	586	10.5	116	7.0	6	22.5	8.3	.13	.006	.003	.001	.004
06-17-03	.2	583	9.0	108	8.8	5	23.0	11.4	.06	.003	.018	.002	.005
06-17-03	.5	583	10.1	111	8.8	5	23.0	7.6	.07	.002	.015	.002	.005
08-19-03	.5	586	8.7	121	7.1	5	22.0	18.5	.09	.006	.004	M	.006
08-19-03	.5	586	7.8	105	6.9	5	22.0	16.6	.10	.006	.004	.001	.006
10-28-02	.2	605	8.0	95	7.9	22	14.0	12.5	.04	.001	.003	.001	.005
10-28-02	.2	605	9.6	100	7.8	20	14.0	6.9	.03	.003	.004	.001	.004
05-29-03	--	606	8.6	99	7.4	21	18.0	11.3	.04	.005	.003	.001	.004
05-29-03	--	606	8.9	90	7.6	20	18.0	6.1	.05	.014	.008	.001	.003
08-12-03	--	--	8.8	--	7.7	19	19.5	17.4	.10	.012	.047	M	.005
08-12-03	--	--	10.5	--	7.6	19	19.5	7.0	.06	.006	.008	M	.006
10-29-02	1.4	590	9.2	101	9.6	445	8.5	8.1	.52	M	.003	.003	.014
05-28-03	--	596	9.6	130	9.4	372	24.0	17.7	--	.005	.007	.001	.020
05-28-03	--	596	7.9	103	9.6	389	24.0	15.8	--	.005	.006	.001	.018
08-13-03	--	595	6.0	82	9.6	428	19.0	18.3	.41	.001	.003	.001	.019
08-13-03	--	595	6.0	82	9.6	428	19.0	18.3	.64	.003	.003	.001	.018
08-13-03	--	595	.3	4	7.8	678	19.0	16.5	.89	.008	.024	.001	.030
10-22-02	3.3	570	7.4	88	--	42	9.0	9.9	--	M	.003	.001	.011
10-22-02	2.8	570	7.2	85	--	41	9.0	9.8	--	ND	.004	.001	.012
06-19-03	.7	570	7.6	104	7.7	42	25.0	16.1	.38	.005	.005	.001	.008
06-19-03	1.1	570	5.6	60	7.3	42	25.0	5.6	--	.004	.004	.001	.012
08-11-03	.5	579	7.0	98	7.8	42	22.5	18.2	.17	.009	.005	.001	.006
08-11-03	.8	579	8.5	102	7.8	43	22.5	11.2	.28	.011	.008	.001	.011

QUALITY OF SURFACE WATER
LAKE TAHOE BASIN--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Dis- solved oxygen, percent of sat- uration (00301)	Specif. conduc- tance, wat unfiltered uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia water, unfltrd mg/L as N (00610)	¹ Nitrite + nitrate water fltrd, mg/L as N (00631)	¹ Nitrite + nitrate water unfltrd mg/L as N (00630)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Ortho- phos- phate, water, unfltrd mg/L as P (70507)	Phos- phorus, water, fltrd, mg/L (00666)
08-06-03	--	40	18.5	12.4	--	.16	.004	--	.011	--	.016	--	.033
08-06-03	--	--	--	--	--	.14	.004	--	.012	--	.017	--	.031
08-06-03	--	65	19.5	14.5	--	.18	<.003	--	.006	--	.005	--	.017
08-06-03	--	--	--	--	--	.15	<.003	--	.006	--	.005	--	.016
08-06-03	--	71	15.0	14.7	--	.18	<.003	--	.011	--	.005	--	.019
08-06-03	--	--	--	--	--	.16	<.003	--	.011	--	.005	--	.018
08-14-03	89	55	23.8	17.5	--	.11	<.003	--	.002	--	.015	--	.021
08-14-03	89	55	23.8	17.5	--	.08	<.003	--	.003	--	.016	--	.023
08-14-03	98	68	24.5	19.5	--	.06	<.003	--	.002	--	.008	--	.016
08-14-03	98	68	24.5	19.5	--	.08	<.003	--	.002	--	.008	--	.015
08-14-03	--	42	--	--	--	.08	<.003	--	.002	--	.003	--	.009
08-14-03	--	42	--	--	--	.08	.003	--	.002	--	.003	--	.011
08-14-03	99	69	27.0	20.0	--	.12	<.003	--	.002	--	.010	--	.018
08-14-03	--	69	27.0	--	--	.11	<.003	--	.002	--	.009	--	.017
08-04-03	--	67	21.0	15.5	--	.11	.008	--	.013	--	.011	--	--
08-04-03	--	--	--	--	--	.10	.008	--	.013	--	.011	--	.028
08-04-03	--	40	20.0	10.0	--	.07	.004	--	.017	--	.013	--	.021
08-04-03	--	--	--	--	--	.09	.004	--	.017	--	.013	--	.022
08-04-03	--	50	21.0	12.5	--	.17	<.003	--	.023	--	.015	--	.025
08-04-03	--	--	--	--	--	.17	.002	--	.022	--	.014	--	.027
08-04-03	--	82	23.0	14.0	--	.22	.006	--	.024	--	.015	--	.028
08-04-03	--	--	--	--	--	.22	.006	--	.024	--	.015	--	.027
08-05-03	--	497	20.0	13.5	--	.21	.007	--	.017	--	.014	--	.030
08-05-03	--	497	--	--	--	.21	.008	--	.018	--	.014	--	.029
08-05-03	--	160	20.5	10.5	--	.12	<.003	--	.016	--	.003	--	.014
08-05-03	--	--	--	--	--	.10	<.003	--	.015	--	.003	--	.015
08-05-03	--	59	11.5	7.9	.06	.18	<.003	.004	.032	.034	.029	.04	.040
08-05-03	--	--	--	--	--	.19	<.003	.003	.033	.036	.029	.03	.042
08-05-03	--	106	19.5	12.0	--	.23	<.003	--	.007	--	.020	--	.033
08-05-03	--	--	--	--	--	.18	<.003	--	.008	--	.019	--	.033
08-08-03	--	47	20.0	9.6	.07	.09	.003	.004	.006	.005	.011	.01	.016
08-08-03	--	47	--	--	.04	.10	.004	.004	.006	.005	.011	.01	.018
08-08-03	--	51	21.5	13.2	.06	.11	.004	.004	.006	.005	.010	.01	.015
08-08-03	--	51	--	--	.06	.10	.004	.004	.006	.006	.009	.01	.016
08-08-03	--	44	17.0	10.5	.07	.12	.003	.004	.008	.009	.009	.01	.015
08-08-03	--	44	--	--	.05	.13	<.003	.003	.008	.009	.009	.01	.017

QUALITY OF SURFACE WATER
LAKE TAHOE BASIN--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Phos- phorus, water, unfltrd mg/L (00665)	Iron (bio reac- tive), water, unfltrd ug/L (46568)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment load, tons/d (80155)	Iron (bio reac- tive), water, fltrd, ug/L (63673)
08-06-03	.032	--	2	.04	--
08-06-03	.030	--	--	--	--
08-06-03	.021	--	1	.05	--
08-06-03	.019	--	--	--	--
08-06-03	.019	--	4	.18	--
08-06-03	.019	--	--	--	--
08-14-03	.025	--	1	<.01	--
08-14-03	.025	--	--	--	--
08-14-03	.024	--	3	.02	--
08-14-03	.022	--	--	--	--
08-14-03	.011	--	<1	<.01	--
08-14-03	.011	--	--	--	--
08-14-03	.025	--	1	<.01	--
08-14-03	.026	--	--	--	--
08-04-03	.026	--	5	.03	--
08-04-03	.025	--	--	--	--
08-04-03	.028	--	3	.02	--
08-04-03	.031	--	--	--	--
08-04-03	.037	--	7	.05	--
08-04-03	.040	--	--	--	--
08-04-03	.049	--	12	.08	--
08-04-03	.048	--	--	--	--
08-05-03	.043	--	5	<.01	--
08-05-03	.044	--	--	--	--
08-05-03	.015	--	<1	<.01	--
08-05-03	.015	--	--	--	--
08-05-03	.058	400	9	.01	42
08-05-03	.059	304	--	--	42
08-05-03	.057	--	3	.02	--
08-05-03	.054	--	--	--	--
08-08-03	.019	114	1	.02	41
08-08-03	.019	105	--	--	36
08-08-03	.023	283	2	.05	152
08-08-03	.024	271	--	--	144
08-08-03	.026	444	5	E.33	175
08-08-03	.025	408	--	--	173

Remark codes used in this report:

< -- Less than

E -- Estimated value

¹ Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

QUALITY OF SURFACE WATER

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LAKE TAHOE BASIN

Water-quality measurements in the following table were made in cooperation with the Tahoe Regional Planning Agency to determine the nutrient concentrations in five lakes and associated outlet streams in the Lake Tahoe Basin. Quality-assurance samples are defined in the introductory text section titled "Water Quality-Control Data." The following sites are shown in figure 18 and 19.

Water-Quality Data, October 2002 to September 2003

Station number	Station name	Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Sampling depth, meters (00098)	Transparency Secchi disc, meters (00078)
103366082	ECHO CREEK AT OUTLET NEAR PHILLIPS CA	10-23-02	1100	ENVIRONMENTAL	5.9	--	--
		10-23-02	1105	REPLICATE	5.9	--	--
		06-17-03	1430	ENVIRONMENTAL	6.2	--	--
		08-14-03	0900	ENVIRONMENTAL	.36	.10	--
10336626	TAYLOR CREEK NEAR CAMP RICHARDSON CALIF	10-23-02	1410	ENVIRONMENTAL	6.1	--	--
		06-18-03	1200	ENVIRONMENTAL	81	--	--
		08-14-03	1040	ENVIRONMENTAL	4.7	--	--
		10-22-02	1250	ENVIRONMENTAL	.03	--	--
10336715	MARLETTE CREEK NEAR CARSON CITY, NV	06-19-03	1140	ENVIRONMENTAL	.02	--	--
		08-11-03	1120	ENVIRONMENTAL	.01	--	--
385023120032501	LOWER ECHO LAKE SAMPLE SITE NEAR CENTER	10-30-02	0930	ENVIRONMENTAL	--	1.0	9.50
		10-30-02	1000	ENVIRONMENTAL	--	9.0	9.50
		06-17-03	1020	ENVIRONMENTAL	--	1.0	7.00
		06-17-03	1050	ENVIRONMENTAL	--	8.0	7.00
		08-19-03	1015	ENVIRONMENTAL	--	1.0	8.30
385035120042301	UPPER ECHO LAKE SAMPLE SITE NEAR CENTER	08-19-03	1030	ENVIRONMENTAL	--	12.0	8.30
		06-17-03	1150	ENVIRONMENTAL	--	1.0	6.20
		06-17-03	1215	ENVIRONMENTAL	--	4.0	6.20
		08-19-03	1110	ENVIRONMENTAL	--	1.0	6.50
		08-19-03	1130	ENVIRONMENTAL	--	6.0	6.50
385356120035001	FALLEN LEAF LAKE SAMPLE SITE 1	10-28-02	1200	ENVIRONMENTAL	--	1.0	16.2
		10-28-02	1230	ENVIRONMENTAL	--	30.0	16.2
		05-29-03	0945	ENVIRONMENTAL	--	1.0	12.2
		05-29-03	1000	ENVIRONMENTAL	--	20.0	12.2
		08-12-03	0905	ENVIRONMENTAL	--	1.0	9.50
390625119542801	SPOONER LAKE SAMPLE SITE NEAR CENTER	08-12-03	0930	ENVIRONMENTAL	--	25.0	9.50
		10-29-02	1030	ENVIRONMENTAL	--	1.0	3.20
		05-28-03	1020	ENVIRONMENTAL	--	1.0	3.50
		05-28-03	1030	ENVIRONMENTAL	--	3.0	3.50
		08-13-03	0830	ENVIRONMENTAL	--	1.0	1.00
391033119540301	MARLETTE LAKE SAMPLE SITE NEAR CENTER	08-13-03	0840	REPLICATE	--	1.0	1.00
		08-13-03	0900	ENVIRONMENTAL	--	3.0	1.00
		10-22-02	1000	ENVIRONMENTAL	--	1.0	2.40
		10-22-02	1030	ENVIRONMENTAL	--	5.0	2.40
		06-19-03	0940	ENVIRONMENTAL	--	1.0	6.50
		06-19-03	1000	ENVIRONMENTAL	--	9.0	6.50
		08-11-03	1010	ENVIRONMENTAL	--	1.0	8.30
		08-11-03	1030	ENVIRONMENTAL	--	9.0	8.30

QUALITY OF SURFACE WATER
LAKE TAHOE BASIN--Continued

Water-Quality Data, October 2002 to September 2003

Date	Turbidity, water, unfltrd field, NTU (61028)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unfltrd uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	¹ Nitrite + nitrate water fltrd, mg/L as N (00631)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, unfltrd mg/L (00665)
10-23-02	.2	582	8.2	98	7.4	8	9.5	11.1	.09	.004	.002	.001	.004
10-23-02	.2	582	8.2	98	7.4	8	9.5	11.1	.12	.003	.005	.001	.005
06-17-03	1.9	583	8.7	116	8.9	8	23.0	16.2	.11	.001	.006	.002	.013
08-14-03	.3	587	6.9	90	9.6	31	21.0	15.5	.10	.011	.012	.001	.009
10-23-02	.7	603	7.5	86	7.3	23	10.5	10.9	.26	.099	.030	.014	.029
06-18-03	.4	604	7.7	105	7.5	20	25.0	19.0	.07	.008	.010	.002	.005
08-14-03	.4	610	7.3	95	8.0	22	24.5	17.0	.08	.001	.011	.001	.007
10-22-02	3.1	570	6.5	73	6.8	53	7.5	7.7	1.6	.003	.036	.004	.020
06-19-03	6.9	570	7.1	82	6.4	48	15.0	8.9	--	.005	.072	.005	.039
08-11-03	3.2	579	7.6	86	8.0	54	22.5	8.5	.12	.010	.064	.003	.019
10-30-02	.5	580	7.8	90	6.6	7	6.0	9.7	.08	.001	.005	.001	.005
10-30-02	.2	580	7.7	89	7.0	7	6.0	9.7	.17	.001	.004	.002	.005
06-17-03	.4	583	8.6	111	7.6	7	21.0	14.5	.08	.003	.010	.003	.006
06-17-03	.4	583	9.8	106	7.6	7	21.0	6.9	.08	.003	.006	.001	.006
08-19-03	.4	586	9.0	124	9.3	6	22.5	18.0	.11	.011	.004	.001	.004
08-19-03	.5	586	10.5	116	7.0	6	22.5	8.3	.13	.006	.003	.001	.004
06-17-03	.2	583	9.0	108	8.8	5	23.0	11.4	.06	.003	.018	.002	.005
06-17-03	.5	583	10.1	111	8.8	5	23.0	7.6	.07	.002	.015	.002	.005
08-19-03	.5	586	8.7	121	7.1	5	22.0	18.5	.09	.006	.004	M	.006
08-19-03	.5	586	7.8	105	6.9	5	22.0	16.6	.10	.006	.004	.001	.006
10-28-02	.2	605	8.0	95	7.9	22	14.0	12.5	.04	.001	.003	.001	.005
10-28-02	.2	605	9.6	100	7.8	20	14.0	6.9	.03	.003	.004	.001	.004
05-29-03	--	606	8.6	99	7.4	21	18.0	11.3	.04	.005	.003	.001	.004
05-29-03	--	606	8.9	90	7.6	20	18.0	6.1	.05	.014	.008	.001	.003
08-12-03	--	--	8.8	--	7.7	19	19.5	17.4	.10	.012	.047	M	.005
08-12-03	--	--	10.5	--	7.6	19	19.5	7.0	.06	.006	.008	M	.006
10-29-02	1.4	590	9.2	101	9.6	445	8.5	8.1	.52	M	.003	.003	.014
05-28-03	--	596	9.6	130	9.4	372	24.0	17.7	--	.005	.007	.001	.020
05-28-03	--	596	7.9	103	9.6	389	24.0	15.8	--	.005	.006	.001	.018
08-13-03	--	595	6.0	82	9.6	428	19.0	18.3	.41	.001	.003	.001	.019
08-13-03	--	595	6.0	82	9.6	428	19.0	18.3	.64	.003	.003	.001	.018
08-13-03	--	595	.3	4	7.8	678	19.0	16.5	.89	.008	.024	.001	.030
10-22-02	3.3	570	7.4	88	--	42	9.0	9.9	--	M	.003	.001	.011
10-22-02	2.8	570	7.2	85	--	41	9.0	9.8	--	ND	.004	.001	.012
06-19-03	.7	570	7.6	104	7.7	42	25.0	16.1	.38	.005	.005	.001	.008
06-19-03	1.1	570	5.6	60	7.3	42	25.0	5.6	--	.004	.004	.001	.012
08-11-03	.5	579	7.0	98	7.8	42	22.5	18.2	.17	.009	.005	.001	.006
08-11-03	.8	579	8.5	102	7.8	43	22.5	11.2	.28	.011	.008	.001	.011

QUALITY OF SURFACE WATER

LAKE TAHOE BASIN--Continued

Date	Iron (bio reac- tive), water, unfltrd ug/L (46568)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment load, tons/d (80155)	Suspnd. sedi- ment, sieve diametr percent <.063mm (70331)
10-23-02	19	<1	<.01	75
10-23-02	17	--	--	--
06-17-03	43	2	.03	58
08-14-03	43	1	<.01	67
10-23-02	27	1	.02	43
06-18-03	16	--	--	--
08-14-03	23	1	.01	20
10-22-02	134	1	<.01	83
06-19-03	--	5	<.01	73
08-11-03	572	--	--	--
10-30-02	19	--	--	--
10-30-02	19	--	--	--
06-17-03	30	--	--	--
06-17-03	36	--	--	--
08-19-03	13	--	--	--
08-19-03	19	--	--	--
06-17-03	20	--	--	--
06-17-03	21	--	--	--
08-19-03	25	--	--	--
08-19-03	31	--	--	--
10-28-02	9	--	--	--
10-28-02	8	--	--	--
05-29-03	6	--	--	--
05-29-03	6	--	--	--
08-12-03	14	--	--	--
08-12-03	10	--	--	--
10-29-02	18	--	--	--
05-28-03	94	--	--	--
05-28-03	92	--	--	--
08-13-03	--	--	--	--
08-13-03	--	--	--	--
08-13-03	--	--	--	--
10-22-02	192	--	--	--
10-22-02	200	--	--	--
06-19-03	59	--	--	--
06-19-03	81	--	--	--
08-11-03	46	--	--	--
08-11-03	91	--	--	--

Remark codes used in this report:

M -- Presence verified, not quantified

ND -- Not Detected

¹ Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

QUALITY OF SURFACE WATER

LAKE TAHOE BASIN

Water-quality measurements in the following table were made in cooperation with the Tahoe Regional Planning Agency to determine the effectiveness of the prohibition of carbureted 2-stroke engines in the Lake Tahoe Basin. Quality-assurance samples are defined in the introductory text section titled "Water Quality-Control Data." The following sites are shown in figure 18 and 19.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	Station name	Date	Time	Sample type	^a Iso-butyl alcohol -d6, surrog, wat unf pct rcv (62835)	Methyl acetate water unfltrd ug/L (77032)	tert-Amyl alcohol water unfltrd ug/L (77073)
385023120032501	LOWER ECHO LAKE SAMPLE SITE NR CENTER	06-17-03	0930	ENVIRONMENTAL	87.8	<.4	<.4
		06-17-03	0945	REPLICATE	85.9	<.4	<.4
		07-01-03	1100	SOURCE SOLUTION BLANK	124	<.4	<.4
		07-01-03	1105	EQUIPMENT BLANK	110	<.4	<.4
		07-08-03	0939	ENVIRONMENTAL	92.8	<.4	<.4
		07-08-03	0950	REPLICATE	81.7	<.4	<.4
		08-19-03	0930	ENVIRONMENTAL	76.7	<.4	<.4
		08-19-03	0940	REPLICATE	87.0	<.4	<.4
		09-03-03	0915	ENVIRONMENTAL	102	<.4	<.4
		09-03-03	0930	REPLICATE	103	<.4	<.4
385035120042301	UPPER ECHO LAKE SAMPLE SITE NR CENTER	09-03-03	1000	ENVIRONMENTAL	93.7	<.4	<.4
385606120004401	LAKE TAHOE SAMPLE POINT AT TAHOE KEYS, CA	05-26-03	0845	ENVIRONMENTAL	106	<.4	<.4
		05-26-03	0846	REPLICATE	96.3	<.4	<.4
		07-05-03	0924	ENVIRONMENTAL	93.9	<.4	<.4
		07-05-03	0925	REPLICATE	95.7	<.4	<.4
		08-18-03	1200	ENVIRONMENTAL	86.6	<.4	<.4
385631120032001	LAKE TAHOE SAMPLE POINT NR KIVA BEACH, CA	08-18-03	1210	REPLICATE	84.2	<.4	<.4
		09-02-03	0915	ENVIRONMENTAL	104	<.4	<.4
		09-02-03	0930	REPLICATE	115	<.4	<.4
		05-26-03	1508	ENVIRONMENTAL	117	<.4	<.4
		07-05-03	1405	ENVIRONMENTAL	103	<.4	<.4
385636120005701	LAKE TAHOE SAMPLE POINT AT TAHOE KEYS MARINA, CA	08-18-03	1100	ENVIRONMENTAL	83.0	<.4	<.4
		09-02-03	1410	ENVIRONMENTAL	111	<.4	<.4
		05-26-03	0950	ENVIRONMENTAL	117	<.4	<.4
		07-05-03	0952	ENVIRONMENTAL	107	<.4	<.4
		08-18-03	1145	ENVIRONMENTAL	79.9	<.4	<.4
385704119573001	LAKE TAHOE SAMPLE POINT AT SKI RUN MARINA, CA	09-02-03	1430	ENVIRONMENTAL	98.2	<.4	<.4
		05-26-03	1436	ENVIRONMENTAL	115	<.4	<.4
		07-05-03	1005	ENVIRONMENTAL	109	<.4	<.4
		08-18-03	1300	ENVIRONMENTAL	89.2	<.4	<.4
		09-02-03	1015	ENVIRONMENTAL	107	<.4	<.4
385708120053101	EMERALD BAY SAMPLE POINT OFF SOUTH SIDE OF BAY	05-26-03	1020	ENVIRONMENTAL	108	<.4	<.4
		07-05-03	1340	ENVIRONMENTAL	115	<.4	<.4
		08-18-03	1030	ENVIRONMENTAL	83.0	<.4	<.4
		09-02-03	1330	ENVIRONMENTAL	106	<.4	<.4
		05-26-03	1415	ENVIRONMENTAL	125	<.4	<.4
390026119570601	LAKE TAHOE SAMPLE POINT AT ZEPHYR COVE, NV	07-05-03	1030	ENVIRONMENTAL	97.6	<.4	<.4
		08-18-03	1315	ENVIRONMENTAL	87.7	<.4	<.4
		09-02-03	1040	ENVIRONMENTAL	102	<.4	<.4
390618120021101	LAKE TAHOE SAMPLE POINT - MID LAKE	08-18-03	0750	ENVIRONMENTAL	85.7	<.4	<.4
391006120080101	LAKE TAHOE SAMPLE POINT AT TAHOE CITY, CA	05-26-03	1120	ENVIRONMENTAL	116	<.4	<.4
		07-05-03	1235	ENVIRONMENTAL	107	<.4	<.4
		08-18-03	0930	ENVIRONMENTAL	90.1	<.4	<.4
		09-02-03	1245	ENVIRONMENTAL	115	<.4	<.4
391415119564901	LAKE TAHOE SAMPLE POINT AT INCLINE BEACH, NV	05-26-03	1309	ENVIRONMENTAL	116	<.4	<.4
		07-05-03	1120	ENVIRONMENTAL	99.7	<.4	<.4
		08-18-03	0830	ENVIRONMENTAL	86.9	<.4	<.4
		09-02-03	1140	ENVIRONMENTAL	111	<.4	<.4

QUALITY OF SURFACE WATER

LAKE TAHOE BASIN--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	tert- Butyl- alcohol water unfltrd ug/L (77035)	^a 1,2-Di- chloro- ethane- d4, sur Sch2090 wat unf pct rcv (99832)	^a 14Bromo- fluoro- benzene surrog. VOC Sch wat unf pct rcv (99834)	Acetone water unfltrd ug/L (81552)	Benzene water unfltrd ug/L (34030)	Diiso- propyl ether, water, unfltrd ug/L (81577)	Ethyl- benzene water unfltrd ug/L (34371)	Methyl tert- pentyl ether, water, unfltrd ug/L (50005)	meta- + para- Xylene, water, unfltrd ug/L (85795)	o- Xylene, water, unfltrd ug/L (77135)	t-Butyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	Toluene water unfltrd ug/L (34010)
06-17-03	<1.00	98.8	98.2	<1	E.06	<.08	E.03	<.07	E.09	E.04	<.1	<.08	.20
06-17-03	<1.00	96.3	98.1	<1	E.06	<.08	E.02	<.07	E.08	E.04	<.1	<.08	.18
07-01-03	<1.00	98.0	99.2	2	<.01	<.08	<.03	<.07	<.07	<.04	<.1	<.08	<.01
07-01-03	<1.00	101	97.4	2	<.01	<.08	<.03	<.07	<.07	<.04	<.1	<.08	<.01
07-08-03	<1.00	100	97.2	<1	.11	<.08	E.02	<.07	E.11	E.05	<.1	<.08	.22
07-08-03	<1.00	98.8	97.4	<1	.12	<.08	E.02	<.07	E.11	E.05	<.1	<.08	.22
08-19-03	<1.00	105	106	M	.14	<.08	.12	<.07	.17	.31	<.1	E.04	.45
08-19-03	<1.00	108	108	M	.14	<.08	.13	<.07	.18	.32	<.1	E.04	.48
09-03-03	<1.00	106	105	M	.08	<.08	E.04	<.07	E.10	.12	<.1	E.04	.20
09-03-03	<1.00	107	105	M	.07	<.08	E.03	<.07	E.07	.10	<.1	E.04	.14
09-03-03	<1.00	105	108	<1	.15	<.08	.09	<.07	.11	.17	<.1	E.03	.42
05-26-03	<1.00	123	93.5	M	E.05	<.08	<.03	<.07	<.07	<.04	<.1	E.06	E.04
05-26-03	<1.00	126	91.9	M	E.03	<.08	<.03	<.07	<.07	<.04	<.1	E.04	E.04
07-05-03	<1.00	103	102	E1	1.01	<.08	.13	E.02	1.25	.64	<.1	.86	.99
07-05-03	<1.00	101	101	E1	.97	<.08	.11	E.01	1.12	.60	<.1	.83	.88
08-18-03	<1.00	107	102	1	.13	<.08	<.03	<.07	E.03	E.02	<.1	.40	E.03
08-18-03	<1.00	105	102	1	.13	<.08	<.03	<.07	E.02	E.02	<.1	.41	E.02
09-02-03	<1.00	104	101	1	E.03	<.08	<.03	<.07	<.07	<.04	<.1	.50	<.01
09-02-03	<1.00	105	102	1	E.03	<.08	<.03	<.07	<.07	<.04	<.1	.52	<.01
05-26-03	<1.00	130	94.4	M	E.02	<.08	<.03	<.07	E.06	<.04	<.1	<.08	E.07
07-05-03	<1.00	101	102	<1	.10	<.08	E.05	<.07	E.20	E.09	<.1	<.08	.35
08-18-03	<1.00	107	106	M	.13	<.08	.07	<.07	.28	.11	<.1	E.05	.45
09-02-03	<1.00	104	103	M	.09	<.08	E.04	<.07	.15	.06	<.1	E.03	.23
05-26-03	<1.00	123	86.6	M	E.02	<.08	<.03	<.07	E.06	<.04	<.1	<.08	E.06
07-05-03	<1.00	101	98.6	<1	.22	<.08	.11	<.07	.40	.16	<.1	E.09	.66
08-18-03	<1.00	107	102	M	E.03	<.08	E.01	<.07	E.06	E.03	<.1	E.02	.08
09-02-03	<1.00	103	103	M	E.01	<.08	<.03	E.02	<.07	<.04	<.1	2.34	<.01
05-26-03	<1.00	124	92.3	M	E.05	<.08	E.04	<.07	E.13	E.06	<.1	<.08	.17
07-05-03	<1.00	104	102	<1	.13	<.08	E.08	<.07	.30	.12	<.1	E.10	.46
08-18-03	<1.00	107	105	M	.13	<.08	.08	<.07	.30	.12	<.1	E.02	.52
09-02-03	<1.00	106	108	1	.17	<.08	.07	<.07	.38	.16	<.1	E.04	.39
05-26-03	<1.00	124	92.6	<1	E.07	<.08	E.04	<.07	E.13	E.07	<.1	<.08	.17
07-05-03	<1.00	101	98.6	<1	.23	<.08	E.04	<.07	E.17	E.07	<.1	.11	.35
08-18-03	<1.00	107	104	M	.29	<.08	E.02	<.07	.20	.07	<.1	.11	.29
09-02-03	<1.00	105	105	M	.23	<.08	E.03	<.07	.18	.07	<.1	.10	.23
05-26-03	<1.00	128	101	M	.13	<.08	.11	<.07	.33	.17	<.1	.31	.42
07-05-03	<1.00	103	101	<1	.13	<.08	E.09	<.07	.36	.15	<.1	<.08	.44
08-18-03	<1.00	107	109	M	.24	<.08	.19	<.07	.85	.36	<.1	.10	.91
09-02-03	<1.00	104	105	M	.06	<.08	E.03	<.07	.13	.06	<.1	<.08	.15
08-18-03	<1.00	108	103	M	E.03	<.08	E.01	<.07	E.06	E.02	<.1	<.08	.08
05-26-03	<1.00	122	93.2	<1	E.02	<.08	<.03	<.07	<.07	<.04	<.1	<.08	E.06
07-05-03	<1.00	102	102	<1	.14	<.08	E.06	<.07	.25	E.09	<.1	<.08	.41
08-18-03	<1.00	105	103	M	.07	<.08	E.03	<.07	.13	.05	<.1	E.03	.20
09-02-03	<1.00	107	104	M	.06	<.08	E.03	<.07	.11	E.05	<.1	E.03	.16
05-26-03	<1.00	124	103	M	.14	<.08	.13	<.07	.39	.19	<.1	<.08	.47
07-05-03	<1.00	103	98.9	<1	.14	<.08	E.07	<.07	.25	.11	<.1	E.04	.35
08-18-03	<1.00	106	104	M	.09	<.08	E.05	<.07	.20	.09	<.1	E.02	.26
09-02-03	<1.00	106	104	M	E.04	<.08	E.02	<.07	E.08	E.03	<.1	<.08	.10

QUALITY OF SURFACE WATER
LAKE TAHOE BASIN--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	^a Toluene -d8, surrog, Sch2090 wat unf percent recovry (99833)
06-17-03	103
06-17-03	101
07-01-03	102
07-01-03	104
07-08-03	103
07-08-03	102
08-19-03	105
08-19-03	105
09-03-03	107
09-03-03	106
09-03-03	107
05-26-03	117
05-26-03	117
07-05-03	102
07-05-03	102
08-18-03	105
08-18-03	104
09-02-03	106
09-02-03	107
05-26-03	116
07-05-03	102
08-18-03	105
09-02-03	105
05-26-03	115
07-05-03	104
08-18-03	105
09-02-03	108
05-26-03	114
07-05-03	103
08-18-03	106
09-02-03	105
05-26-03	116
07-05-03	101
08-18-03	105
09-02-03	106
05-26-03	114
07-05-03	104
08-18-03	105
09-02-03	106
08-18-03	105
05-26-03	117
07-05-03	103
08-18-03	105
09-02-03	106
05-26-03	115
07-05-03	103
08-18-03	104
09-02-03	106

Remark codes used in this report:

< -- Less than

E -- Estimated value

M -- Presence verified, not quantified

^a Listed values are recovery percentages for the indicated compounds. These compounds are added to the sample to determine the relative recovery of other organic compounds that are detected using the same analytical method.

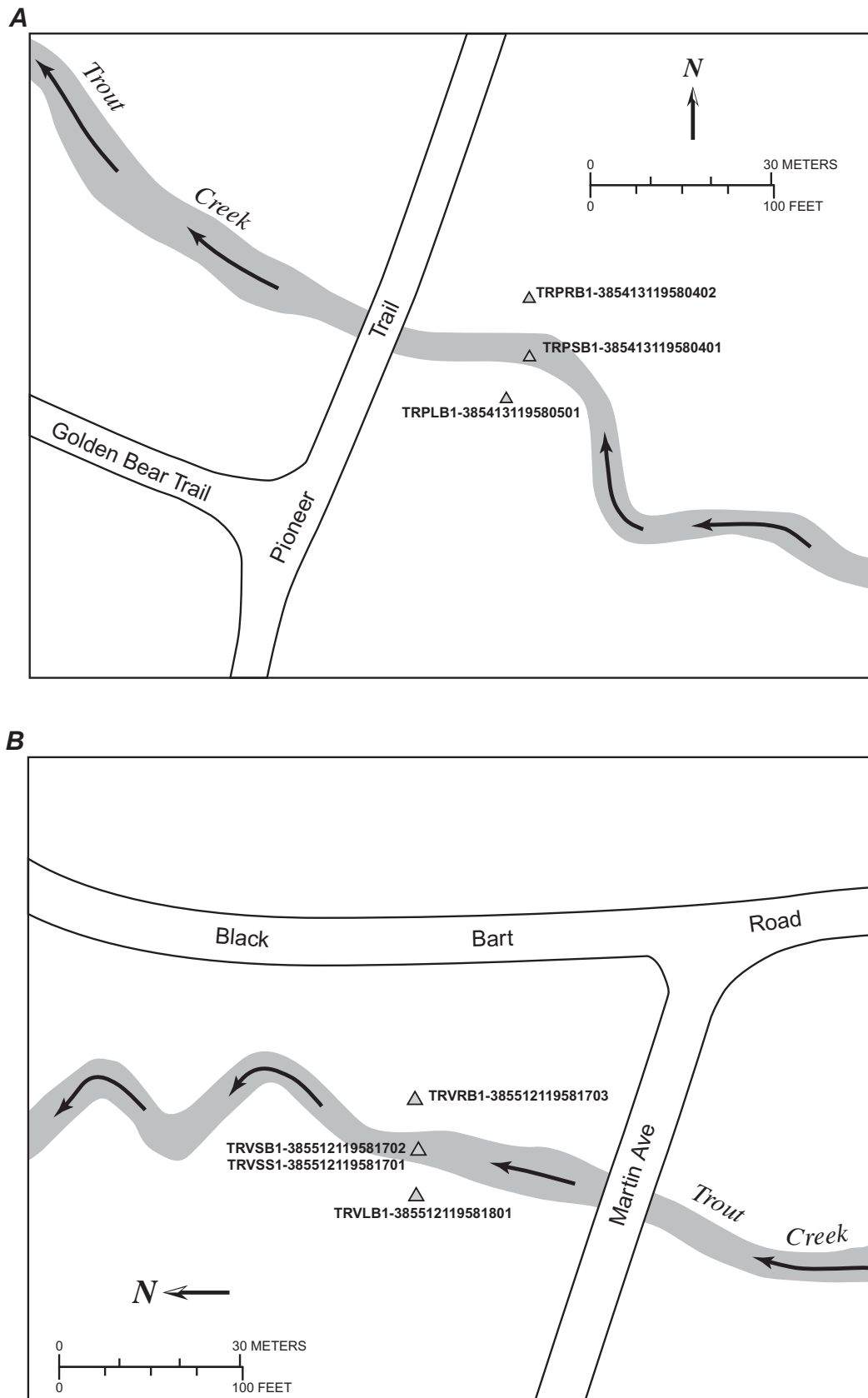


Figure 36. Site Map sketch of Trout Creek area **(A)** above Pioneer trail and **(B)** at Martin Avenue, California.

GROUND-WATER LEVELS

TROUT CREEK WATERSHED PROJECT--Continued

Water-level data were collected in the Trout Creek watershed as part of a cooperative study with the Tahoe Regional Planning Agency. The purpose of the study is to provide data on interactions between surface water and ground water along Trout Creek. Local datum was revised from 6270 ft to 6269.57 ft above mean sea level NGVD of 1988.

Water Level Method--S, steel tape.

Water Level Accuracy--2, water level accurate to the nearest two-hundredths of a foot.

The following sites are shown in figure 36A.

Local Well No	Site Identification	Altitude of Screen	Altitude Accuracy	Water Level Altitude (Above Mean Sea Level)				
		Midpoint (Feet Above Mean Sea Level)		(Feet)	Date	Time	(Feet)	Method
TROUT CREEK AREA ABOVE PIONEER TRAIL								
090 N12 E18 10ADAC1 TRPSB1	385413119580401	6263.65*	0.1	10/02/2002	1432	6270.85	S	2
				10/10/2002	1417	6270.87	S	2
				11/06/2002	1413	6271.02	S	2
				11/14/2002	1428	6271.01	S	2
				12/05/2002	1344	6271.10	S	2
				01/10/2003	1302	6271.17	S	2
				02/03/2003	1415	6271.23	S	2
				02/06/2003	1502	6271.05	S	2
				03/20/2003	1336	6271.11	S	2
				04/03/2003	1228	6271.53	S	2
				04/29/2003	1143	6271.33	S	2
				05/06/2003	1126	6271.41	S	2
				05/13/2003	1857	6271.48	S	2
				05/16/2003	1040	6271.62	S	2
				05/21/2003	1246	6271.73	S	2
				05/28/2003	1937	6272.38	S	2
				06/04/2003	1344	6272.38	S	2
				06/07/2003	1017	6272.36	S	2
				07/09/2003	1316	6271.56	S	2
				090 N12 E18 10ADAC2 TRPRB1	385413119580402	6266.15*	0.1	08/08/2003
09/02/2003	1420	6272.30	S					2
09/03/2003	1240	6272.52	S					2
10/02/2002	1425	6270.90	S					2
10/10/2002	1422	6270.89	S					2
11/06/2002	1419	6271.12	S					2
11/14/2002	1424	6271.11	S					2
12/05/2002	1347	6271.24	S					2
01/10/2003	1306	6271.29	S					2
02/03/2003	1421	6271.36	S					2
03/06/2003	1511	6271.18	S					2
03/20/2003	1333	6271.27	S					2
04/03/2003	1232	6271.47	S					2
04/29/2003	1134	6271.48	S					2
05/06/2003	1129	6271.52	S					2
05/13/2003	1902	6271.56	S					2
05/16/2003	1044	6271.72	S					2
05/21/2003	1250	6271.80	S					2
05/28/2003	1443	6272.37	S					2
06/04/2003	1338	6272.42	S					2
06/07/2003	1027	6272.42	S					2
07/09/2003	1321	6271.53	S					2
08/01/2003	1216	6274.07	S					2
08/08/2003	1221	6271.37	S					2
09/02/2003	1414	6272.23	S					2
09/03/2003	1244	6272.45	S					2
10/02/2002	1421	6270.80	S					2
10/10/2002	1419	6270.81	S					2
11/06/2002	1401	6271.04	S					2
11/14/2002	1433	6271.02	S					2
12/05/2002	1339	6271.10	S					2
01/10/2003	1221	6271.19	S					2
02/03/2003	1409	6271.27	S					2
03/06/2003	1458	6271.10	S					2
03/20/2003	1328	6271.21	S					2
04/03/2003	1223	6271.51	S					2
04/29/2003	1128	6271.42	S					2
05/06/2003	1123	6271.46	S	2				

GROUND-WATER LEVELS

TROUT CREEK WATERSHED PROJECT--Continued

Local Well No	Site Identification	Altitude of Screen	Altitude	Water Level Altitude (Above Mean Sea Level)					
		Midpoint	Accuracy	Date	Time	(Feet)	Method	Accuracy	
		(Feet Above Mean	(Feet)						
TROUT CREEK AREA ABOVE PIONEER TRAIL--Continued									
090 N12 E18 10ADB1 TRPLB1	385413119580501	6267.98*	0.1	10/02/2002	1421	6270.80	S	2	
				10/10/2002	1419	6270.81	S	2	
				11/06/2002	1401	6271.04	S	2	
				11/14/2002	1433	6271.02	S	2	
				12/05/2002	1339	6271.10	S	2	
				01/10/2003	1221	6271.19	S	2	
				02/03/2003	1409	6271.27	S	2	
				03/06/2003	1458	6271.10	S	2	
				03/20/2003	1328	6271.21	S	2	
				04/03/2003	1223	6271.51	S	2	
				04/29/2003	1128	6271.42	S	2	
				05/06/2003	1123	6271.46	S	2	
				05/13/2003	1859	6271.52	S	2	
				05/16/2003	1034	6271.66	S	2	
				05/21/2003	1243	6271.74	S	2	
				05/28/2003	1939	6272.32	S	2	
				06/04/2003	1341	6272.37	S	2	
				07/07/2003	1012	6272.36	S	2	
				07/09/2003	1312	6271.50	S	2	
				08/01/2003	1208	6274.09	S	2	
				08/08/2003	1207	6271.34	S	2	
				09/02/2003	1409	6272.26	S	2	
				09/03/2003	1232	6272.44	S	2	

* Revised

GROUND-WATER LEVELS

TROUT CREEK WATERSHED PROJECT--Continued

Water-level data were collected in the Trout Creek watershed as part of a cooperative study with the Tahoe Regional Planning Agency. The purpose of the study is to provide data on interactions between surface water and ground water along Trout Creek.

Water Level Method--S, steel tape.

Water Level Accuracy--2, water level accurate to the nearest two-hundredths of a foot.

The following sites are shown in figure 36B.

Local Well No	Site Identification	Altitude of Screen		Water Level	Altitude (Above Mean Sea Level)			
		Midpoint (Feet Above Mean Sea Level)	Altitude Accuracy (Feet)		Date	Time	(Feet)	Method
TROUT CREEK AREA AT MARTIN AVENUE								
090 N12 E18 03DBD 1 TRVSS1 (Stream Stage)	385512119581701		0.1	10/10/2002	1331	6245.88	S	2
				10/30/2002	1635	6245.90	S	2
				11/06/2002	1246	6245.90	S	2
				11/25/2002	1035	6246.02	S	2
				12/05/2002	1218	6246.20	S	2
				01/10/2003	1459	6246.08	S	2
				02/03/2003	1242	6246.14	S	2
				03/06/2003	1321	6246.04	S	2
				03/07/2003	1120	6246.06	S	2
				04/03/2003	1540	6246.75	S	2
				04/30/2003	1535	6246.50	S	2
				05/06/2003	1435	6246.66	S	2
				05/20/2003	1506	6247.15	S	2
				05/30/2003	1337	6248.62	S	2
				06/05/2003	1452	6248.60	S	2
				06/10/2003	1107	6248.50	S	2
				06/30/2003	1430	6246.89	S	2
				07/09/2003	1220	6246.77	S	2
				08/08/2003	1125	6246.33	S	2
				090 N12 E18 03DBD 2 TRVSB1	385512119581702	6239.35	0.1	09/03/2003
10/10/2002	1328	6245.73	S					2
10/30/2002	1641	6245.75	S					2
11/06/2002	1240	6245.77	S					2
11/25/2002	1038	6245.85	S					2
12/05/2002	1209	6245.87	S					2
01/10/2003	1455	6245.99	S					2
02/03/2003	1238	6246.07	S					2
03/06/2003	1318	6245.98	S					2
03/07/2003	1122	6245.95	S					2
04/03/2003	1540	6246.65	S					2
04/30/2003	1532	6246.45	S					2
05/06/2003	1433	6246.55	S					2
05/20/2003	1508	6247.03	S					2
05/30/2003	1341	6248.47	S					2
06/05/2003	1447	6248.38	S					2
06/10/2003	1110	6248.23	S					2
06/30/2003	1425	6243.91	S					2
07/09/2003	1213	6246.49	S					2
08/08/2003	1116	6246.17	S					2
09/03/2003	1520	6246.04	S	2				

GROUND-WATER LEVELS

TROUT CREEK WATERSHED PROJECT--Continued

Local Well No	Site Identification	Altitude of Screen	Altitude	Water Level Altitude (Above Mean Sea Level)					
		Midpoint	Accuracy	Date	Time	(Feet)	Method	Accuracy	
		(Feet Above Mean Sea Level)	(Feet)						
TROUT CREEK AREA AT MARTIN AVENUE--Continued									
090 N12 E18 03DBD 3 TRVRB1	385512119581703	6241.37	0.1	10/10/2002	1332	6245.75	S	2	
				10/30/2002	1625	6245.77	S	2	
				11/06/2002	1259	6245.81	S	2	
				11/25/2002	1025	6245.86	S	2	
				12/05/2002	1226	6245.92	S	2	
				01/10/2003	1503	6246.02	S	2	
				02/03/2003	1250	6246.12	S	2	
				03/06/2003	1327	6245.98	S	2	
				03/07/2003	1100	6245.95	S	2	
				04/03/2003	1553	6246.66	S	2	
				04/30/2003	1518	6246.44	S	2	
				05/06/2003	1441	6246.57	S	2	
				05/20/2003	1513	6247.03	S	2	
				05/30/2003	1304	6248.48	S	2	
				06/04/2003	1054	6248.44	S	2	
				06/05/2003	1444	6248.35	S	2	
				06/10/2003	1040	6248.22	S	2	
				06/30/2003	1437	6249.55	S	2	
				07/09/2003	1225	6246.50	S	2	
				090 N12 E18 03DBDB1 TRVLB1	385512119581801	6242.28	0.1	08/08/2003	1132
09/03/2003	1510	6246.03	S					2	
10/10/2002	1325	6245.63	S					2	
10/30/2002	1629	6245.66	S					2	
11/06/2002	1234	6245.71	S					2	
11/25/2002	1043	6245.76	S					2	
12/05/2002	1202	6245.85	S					2	
01/10/2003	1452	6245.91	S					2	
02/03/2003	1231	6246.04	S					2	
03/06/2003	1313	6245.92	S					2	
03/07/2003	1106	6245.88	S					2	
04/03/2003	1547	6246.59	S					2	
04/30/2003	1524	6246.39	S	2					
05/06/2003	1438	6246.50	S	2					
05/20/2003	1510	6246.96	S	2					
05/30/2003	1351	6248.34	S	2					
06/04/2003	1101	6248.37	S	2					
06/05/2003	1455	6248.29	S	2					
06/10/2003	1053	6248.17	S	2					
06/30/2003	1419	6246.62	S	2					
07/09/2003	1207	6246.40	S	2					
08/08/2003	1111	6246.07	S	2					
09/03/2003	1517	6245.94	S	2					

QUALITY OF SURFACE WATER

LAKE TAHOE BASIN

Water-quality measurements in the following table were made in cooperation with the Tahoe Regional Planning Agency in the Lake Tahoe Basin for quality assurance purposes. Samples were analyzed by the University of California, Davis, Tahoe Research Group. Quality-assurance samples are defined in the introductory text section titled "Water Quality-Control Data.

QA/QC CALIFORNIA

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	Date	Time	Type of blank sample, code (99102)	Specif.	Ammonia	Ammonia	¹ Nitrite	Ortho-	
				conduc-	+ org-N,	+ org-N,	+ nitrate	phos-	
				tance, wat unf	water, fltrd,	water, unfltrd	water, fltrd,	phate, water, fltrd,	
				uS/cm 25 degC (00095)	mg/L as N (00623)	mg/L as N (00625)	mg/L as N (00631)	mg/L as P (00671)	
103366769999	12-05-02	1620	SOURCE SOLUTION	2	ND	<.04	<.003	.002	.001
	12-05-02	1625	FIELD	2	<.04	ND	<.003	.004	.002
	03-21-03	1125	SOURCE SOLUTION	2	<.04	<.04	<.003	<.002	<.001
	03-21-03	1130	FIELD	2	<.04	<.04	<.003	.003	<.001
	06-07-03	1725	SOURCE SOLUTION	2	--	<.04	.004	<.002	<.001
	06-07-03	1730	FIELD	2	--	<.04	.004	<.002	<.001
	09-19-03	1355	SOURCE SOLUTION	2	<.04	.04	<.003	.002	<.001
	09-19-03	1400	FIELD	2	<.04	ND	<.003	.003	.001
					Phos-phorus, water, fltrd, mg/L (00666)	Phos-phorus, water, unfltrd mg/L (00665)			
				12-05-02	<.002	<.002			
				12-05-02	<.002	<.002			
				03-21-03	<.002	<.002			
				03-21-03	<.002	<.002			
				06-07-03	<.002	<.002			
				06-07-03	<.002	<.002			
				09-19-03	<.002	<.002			
				06-19-03	<.002	<.002			

QUALITY OF SURFACE WATER
LAKE TAHOE BASIN--Continued

QA/QC NEVADA

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	Date	Time	Type of blank sample, code (99102)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Chloride, water, fltrd, mg/L (00940)	Ammonia	Ammonia	Ammonia	Ammonia	¹ Nitrite + nitrate water fltrd, mg/L as N (00631)
						+ org-N, water, fltrd, mg/L as N (00623)	+ org-N, water, unfltrd, mg/L as N (00625)			
103367009999	10-10-02	1650	SOURCE SOLUTION	--	<.01	--	--	--	<.003	--
	10-10-02	1700	FIELD	2	.02	ND	ND	<.003	<.003	.002
103367309999	11-04-02	1510	SOURCE SOLUTION	--	--	--	--	--	<.003	--
	11-04-02	1520	FIELD	2	--	<.04	ND	<.003	<.003	<.002
103367009999	01-08-03	1500	SOURCE SOLUTION	2	--	--	ND	--	<.003	--
	01-08-03	1510	FIELD	3	--	<.04	ND	<.003	<.003	<.002
103367309999	02-10-03	1330	SOURCE SOLUTION	2	--	--	<.04	--	<.003	--
	02-10-03	1350	FIELD	2	--	<.04	<.04	<.003	<.003	--
103367009999	04-02-03	1510	SOURCE SOLUTION	2	--	--	ND	--	<.003	--
	04-02-03	1520	FIELD	2	--	ND	ND	<.003	<.003	<.002
103367309999	05-05-03	1535	SOURCE SOLUTION	1	--	--	<.04	--	<.003	--
	05-05-03	1545	FIELD	2	--	<.04	.04	<.003	<.003	<.002
	08-08-03	1800	SOURCE SOLUTION	1	--	--	<.04	--	<.003	--
	08-08-03	1810	FIELD	1	--	<.04	<.04	<.003	<.003	<.002

Date	¹ Nitrite + nitrate water unfltrd mg/L as N (00630)	Ortho-phosphate water fltrd mg/L as P (00671)	Ortho-phosphate, water, unfltrd mg/L as P (70507)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Iron (bio reactive), water, unfltrd ug/L (46568)	Suspended sediment concentration mg/L (80154)
10-10-02	<.002	--	<.0010	--	--	--	--
10-10-02	<.002	<.001	<.0010	<.002	<.002	4	--
11-04-02	<.002	--	<.0010	--	--	--	--
11-04-02	<.002	<.001	<.0010	<.002	<.002	<3	--
01-08-03	<.002	--	<.0010	--	<.002	<3	--
01-08-03	<.002	<.001	M	<.002	.003	<3	--
02-10-03	<.002	--	M	--	<.002	<3	--
02-10-03	<.002	<.001	<.0010	<.002	<.002	<3	--
04-02-03	.002	--	<.0010	--	<.002	--	--
04-02-03	.002	.001	M	<.002	<.002	4	<1
05-05-03	<.002	--	<.0010	--	<.002	3	--
05-05-03	<.002	<.001	<.0010	<.002	<.002	3	--
08-08-03	<.002	--	<.0010	--	<.002	--	--
08-08-03	<.002	--	<.0010	<.002	<.002	<3	--

Remark codes used in this report:

< -- Less than

M -- Presence verified, not quantified

ND -- Not Detected

¹Hydrazine method used to determine nitrate plus nitrite concentrations was found to have interferences caused by other common ions in water samples. Values may be adjusted in the future to correct for these interferences.

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT

Water-quality measurements in the following table were made as part of the National Water-Quality Assessment Program (NAWQA) Carson City-Spanish Springs Source Water Assessment to monitor conditions in public supply wells. Depths and Water Levels: Depths are referenced to land-surface datum (LSD). The following sites are shown in figures 32 and 34.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	Local Identification	Date	Time	Sample type	Depth of well, feet below LSD (72008)	Flow rate of well, gal/min (00058)	Turbidity, water, unfiltered field, NTU (61028)
390720119442501	105 N15 E20 33ACCC1	11-04-02	0930	ENVIRONMENTAL	510.	340	.2
	105 N15 E20 33ACCC1	11-04-02	1000	REPLICATE		340	--
390732119455601	104 N15 E20 32BBDA1	10-29-02	1115	ENVIRONMENTAL	590	500	.5
390809119454401	104 N15 E20 29BCAC1	10-31-02	0920	ENVIRONMENTAL	560	650	.3
	104 N15 E20 29BCAC1	10-31-02	1000	REPLICATE		650	.3
390941119424601	103 N15 E20 14CCBB1	11-05-02	0845	FIELD BLANK	--	--	--
	103 N15 E20 14CCBB1	11-05-02	0950	ENVIRONMENTAL	195	1200	.3
390950119452901	104 N15 E20 17DBBD1	10-21-02	1115	ENVIRONMENTAL	820	350	.2
391031119462301	104 N15 E20 07DDBB1	10-24-02	0845	FIELD BLANK	--	--	--
	104 N15 E20 07DDBB1	10-24-02	1000	ENVIRONMENTAL	470	280	.2
391035119471501	104 N15 E19 12DADD2	10-23-02	0945	ENVIRONMENTAL	470.	880	.2
	104 N15 E19 12DADD2	10-23-02	1015	REPLICATE		880	.2
391058119424602	103 N15 E20 11BCBD1	10-22-02	0950	ENVIRONMENTAL	1250.	1250	.2
391113119471501	104 N15 E19 01DDDD1	10-30-02	0900	FIELD BLANK	--	--	--
	104 N15 E19 01DDDD1	10-30-02	1000	ENVIRONMENTAL	400	1280	.2
391133119461701	104 N15 E19 01DDDD1	10-30-02	1015	SPIKE		--	--
	104 N15 E20 06DAAC2	10-28-02	0945	ENVIRONMENTAL	455	250	.3
	104 N15 E20 06DAAC2	10-28-02	1000	SPIKE		--	--
393720119432701	085 N20 E20 03CDCD1	11-13-02	1030	ENVIRONMENTAL	200.	370	.3
393738119403001	085 N20 E21 06CBCA2	11-12-02	1050	ENVIRONMENTAL	620.	550	.2
393800119403601	085 N20 E20 01AADD1	11-12-02	1020	ENVIRONMENTAL	600.	490	.4
	085 N20 E20 01AADD1	11-12-02	1030	SPIKE		--	--
393819119433301	085 N21 E20 34CDAC1	11-06-02	1135	ENVIRONMENTAL	400.	370	.2
393821119423601	085 N21 E20 35CCAD1	11-13-02	1015	ENVIRONMENTAL	330.	270	.2
	085 N21 E20 35CCAD1	11-13-02	1030	SPIKE		--	--

[illegible]

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride water, fltrd, mg/L (00940)	Fluoride water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Sulfide water, fltrd, field, mg/L (99118)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)
390720119442501	103	126	.04	3.42	.32	40.2	7.6	--	166	<.10	<.04	1.18
	103	126	--	--	--	--	--	--	--	--	--	--
390732119455601	99	121	.03	3.98	.20	31.7	6.2	.005	151	<.10	<.04	1.05
390809119454401	80	107	.02	2.69	<.17	36.6	3.1	--	140	<.10	<.04	2.20
	80	107	--	--	--	--	--	--	--	--	--	--
390941119424601	--	--	--	--	--	--	--	--	--	--	--	--
	126	154	.04	12.9	1.34	30.1	88.3	.000	317	<.10	E.04	.27
390950119452901	94	115	E.01	1.70	<.17	23.2	13.7	.004	139	<.10	<.04	.06
391031119462301	--	--	--	--	--	--	--	--	--	--	--	--
	100	120	.02	.90	<.17	26.8	1.6	--	127	<.10	<.04	.43
391035119471501	87	106	E.01	1.91	<.17	27.3	4.8	--	131	<.10	<.04	2.38
	88	108	--	--	--	--	--	--	--	--	--	--
391058119424602	56	68	.07	16.2	1.04	21.8	248	.005	480	<.10	E.03	<.06
391113119471501	--	--	--	--	--	--	--	--	--	--	--	--
	82	100	E.01	3.79	<.17	30.3	2.6	--	133	<.10	<.04	2.71
391133119461701	--	--	--	--	--	--	--	--	--	--	--	--
	85	103	.02	3.09	.28	33.2	10.5	--	147	<.10	<.04	.41
	--	--	--	--	--	--	--	--	--	--	--	--
393720119432701	146	178	.13	13.7	.19	39.8	20.4	--	260	<.10	<.04	4.77
393738119403001	97	118	.15	15.0	.22	30.7	19.9	--	193	<.10	<.04	2.69
393800119403601	99	121	.10	9.61	.22	33.2	15.5	--	180	<.10	<.04	2.28
	--	--	--	--	--	--	--	--	--	--	--	--
393819119433301	123	150	.18	15.5	.32	71.7	19.9	--	280	<.10	<.04	4.14
393821119423601	111	136	.48	58.9	.24	63.1	72.2	.000	427	<.10	<.04	8.12
	--	--	--	--	--	--	--	--	--	--	--	--
Station number	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Colipge F-spec, 2-step, pres (1) abs (2) /L (99335)	Colipge som, Ec CN13hst 2-step, pres (1) abs (2) /L (99332)	E coli, MI MF, water, col/ 100 mL (90901)	Total coli-form, MI MF, water, col/ 100 mL (90900)	Aluminum, water, fltrd, ug/L (01106)	Antimony, water, fltrd, ug/L (01095)	Arsenate, water, fltrd, ug/L as As (62453)	Arsenic water, fltrd, ug/L (01000)	Arsenite, water, fltrd, ug/L as As (62452)
390720119442501	<.008	.04	E.2	2	2	<1	<1	<2	<.30	E.9	1.2	<.3
	--	--	E.2	--	--	--	--	--	--	--	--	--
390732119455601	E.004	.10	E.3	2	2	<1	E2	<2	<.30	E1.5	1.5	<.3
390809119454401	<.008	.13	E.3	2	2	<1	<1	<2	<.30	E1.2	1.6	<.3
	--	--	--	--	--	--	--	--	--	--	--	--
390941119424601	--	--	E.2	--	--	--	--	--	--	--	--	--
	E.007	E.01	.5	2	2	<1	<1	<2	.88	E10.4	16.7	2.6
390950119452901	<.008	.14	E.2	2	2	<1	<1	2	<.30	E8.7	10.9	.6
391031119462301	--	--	<.3	--	--	--	--	--	--	--	--	--
	<.008	.06	<.3	2	2	<1	<1	M	<.30	E.7	.7	<.3
391035119471501	<.008	.03	E.3	2	2	<1	<1	<2	<.30	E.2	.5	<.3
	--	--	E.3	--	--	--	--	--	--	--	--	--
391058119424602	<.008	<.02	E.2	2	2	<1	<1	<2	<.30	E1.3	1.6	<.3
391113119471501	--	--	--	--	--	--	--	--	--	--	--	--
	<.008	.03	E.3	2	2	<1	<1	<2	<.30	E2.5	3.0	<.3
391133119461701	--	--	--	--	--	--	--	--	--	--	--	--
	<.008	.03	<.3	2	2	<1	<1	2	E.22	E15.8	18.5	1.1
	--	--	--	--	--	--	--	--	--	E39.0	--	19.3
393720119432701	<.008	.05	.5	2	2	<1	<1	<2	<.30	E1.3	1.5	<.3
393738119403001	<.008	.02	E.2	2	2	<1	<1	M	<.30	E4.5	4.9	<.3
393800119403601	<.008	.02	1.5	2	2	<1	<1	E1	.30	E5.5	6.2	<.3
	--	--	--	--	--	--	--	--	--	--	--	--
393819119433301	<.008	.06	E.3	2	2	<1	<1	<2	E.20	E8.0	9.4	<.3
393821119423601	E.004	E.02	4.1	2	2	<1	<1	<2	.44	E17.0	18.8	<.3
	--	--	--	--	--	--	--	--	--	E36.4	--	16.4

[illegible]

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station	number	2,4-D	2,4-D	2,4-DB	2,6-Di-	2,6-Di-	2-[(2-	2Chloro			2-Ethyl		2-
		water, fltrd, ug/L (50470)	water, fltrd, ug/L (39732)	water, fltrd, ug/L (38746)	ethyl-aniline water, fltrd, ug/L (82660)	methyl-naphth-alene, water, fltrd, ug/L (62055)	Et-6-Me-Ph)-amino]propan-1-ol, ug/L (61615)	-2',6'-diethyl acet-anilide wat flt ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)	-6-methyl-aniline water, fltrd, ug/L (61620)	OIET, water, fltrd, ug/L (50355)	Methyl-naphth-alene, water, fltrd, ug/L (62056)
390720119442501		<.009	<.02	<.02	<.006	<.5	<.1	<.005	<.006	<.04	<.004	<.008	<.5
		--	--	--	--	--	--	--	--	--	--	--	--
390732119455601		<.009	<.02	<.02	<.006	<.5	<.1	<.005	E.003	M	<.004	<.008	<.5
390809119454401		<.009	<.02	<.02	<.006	<.5	<.1	<.005	E.002	<.04	<.004	<.008	<.5
		<.009	<.02	<.02	<.006	<.5	<.1	<.005	E.002	<.04	<.004	<.008	<.5
390941119424601		--	--	--	--	<.5	--	--	--	--	--	--	<.5
		<.009	<.02	<.02	<.006	<.5	<.1	<.005	<.006	<.04	<.004	<.008	<.5
390950119452901		<.009	<.02	<.02	<.006	<.5	<.1	<.005	<.006	<.04	<.004	<.008	<.5
391031119462301		--	--	--	--	<.5	--	--	--	--	--	--	<.5
		<.009	<.02	<.02	<.006	<.5	<.1	<.005	<.006	<.04	<.004	<.008	<.5
391035119471501		<.009	<.02	<.02	<.006	<.5	<.1	<.005	E.002	<.04	<.004	<.008	<.5
		--	--	--	--	--	--	--	--	--	--	--	--
391058119424602		<.009	<.02	<.02	<.006	<.5	<.1	<.005	<.006	<.04	<.004	<.008	<.5
391113119471501		<.009	<.02	<.02	<.006	--	<.1	<.005	<.006	<.04	<.004	<.008	--
		<.009	<.02	<.02	<.006	<.5	<.1	<.005	<.006	<.04	<.004	<.008	<.5
391133119461701		<.009	<.02	<.02	--	--	--	--	E.07	<.04	--	<.008	--
		<.009	<.02	<.02	<.006	<.5	<.1	<.005	<.006	<.04	<.004	<.008	<.5
		--	--	--	--	--	--	--	--	--	--	--	--
393720119432701		<.009	<.02	<.02	<.006	<.5	<.1	<.005	E.043	<.04	<.004	<.008	<.5
393738119403001		<.009	<.02	<.02	<.006	<.5	<.1	<.005	<.006	<.04	<.004	<.008	<.5
393800119403601		<.009	<.02	<.02	<.006	<.5	<.1	<.005	<.006	<.04	<.004	<.008	<.5
		--	--	--	--	--	--	--	--	--	--	--	--
393819119433301		<.009	<.02	<.02	<.006	<.5	<.1	<.005	<.006	<.04	<.004	<.008	<.5
393821119423601		<.009	<.02	<.02	<.006	<.5	<.1	<.005	<.006	<.04	<.004	<.008	<.5
		--	--	--	--	--	--	--	--	--	--	--	--
Station	number	3,4-Di-chloro-aniline water fltrd, ug/L (61625)	3-beta-Coprostanol, water, fltrd, ug/L (62057)	3-Hydroxy carbo-furan, wat flt, ug/L (49308)	3-Keto-carbo-furan, water, fltrd, ug/L (50295)	3-Methyl-1H-indole, water, fltrd, ug/L (62058)	3-tert-Butyl-4-hydroxy-anisole wat flt ug/L (62059)	4Chloro-2methyl phenol, water, fltrd, ug/L (61633)	4-Cumyl-phenol, water, fltrd, ug/L (62060)	4-Octyl-phenol, water, fltrd, ug/L (62061)	4-Nonyl-phenol, water, fltrd, ug/L (62085)	4-tert-Octyl-phenol, water, fltrd, ug/L (62062)	5-Methyl-1H-benzotriazole, wat flt ug/L (62063)
390720119442501		<.004	<2	<.006	<2	<1	<5	<.006	<1	<1	<5	<1	<2
		--	--	--	--	--	--	--	--	--	--	--	--
390732119455601		<.004	<2	<.006	<2	<1	<5	<.006	<1	<1	<5	<1	<2
390809119454401		<.004	<2	<.006	<2	<1	<5	<.006	<1	<1	<5	<1	<2
		<.004	<2	<.006	<2	<1	<5	<.006	<1	<1	<5	<1	<2
390941119424601		--	<2	--	--	<1	<5	--	<1	<1	<5	<1	<2
		<.004	<2	<.006	<2	<1	<5	<.006	<1	<1	<5	<1	<2
390950119452901		<.004	<2	<.006	<2	<1	<5	<.006	<1	<1	<5	<1	<2
391031119462301		--	<2	--	--	<1	<5	--	<1	<1	<5	<1	<2
		<.004	<2	<.006	<2	<1	<5	<.006	<1	<1	<5	<1	<2
391035119471501		<.004	<2	<.006	<2	<1	<5	<.006	<1	<1	<5	<1	<2
		--	--	--	--	--	--	--	--	--	--	--	--
391058119424602		<.004	<2	<.006	<2	<1	<5	<.006	<1	<1	<5	<1	<2
391113119471501		<.004	--	<.006	<2	--	--	<.006	--	--	--	--	--
		<.004	<2	<.006	<2	<1	<5	<.006	<1	<1	<5	<1	<2
391133119461701		--	--	<.006	<2	--	--	--	--	--	--	--	--
		<.004	<2	<.006	<2	<1	<5	<.006	<1	<1	<5	<1	<2
		--	--	--	--	--	--	--	--	--	--	--	--
393720119432701		<.004	<2	<.006	<2	<1	<5	<.006	<1	<1	<5	<1	<2
393738119403001		<.004	<2	<.006	<2	<1	<5	<.006	<1	<1	<5	<1	<2
393800119403601		<.004	<2	<.006	<2	<1	<5	<.006	<1	<1	<5	<1	<2
		--	--	--	--	--	--	--	--	--	--	--	--
393819119433301		<.004	<2	<.006	<2	<1	<5	<.006	<1	<1	<5	<1	<2
393821119423601		<.004	<2	<.006	<2	<1	<5	<.006	<1	<1	<5	<1	<2
		--	--	--	--	--	--	--	--	--	--	--	--

Station	number	9,10- Anthra- quinone water, fltrd, ug/L (62066)	Aceto- chlor, water, fltrd, ug/L (49260)	Aceto- phenone water, fltrd, ug/L (62064)	AHTN, water, fltrd, ug/L (62065)	Ac- fluor- fen, water, fltrd, 0.7u GF ug/L (49315)	Ala- chlor, water, fltrd, ug/L (46342)	Aldi- carb sulfone water, fltrd 0.7u GF ug/L (49313)	Aldi- carb sulf- oxide, wat flt 0.7u GF ug/L (49314)	Aldi- carb, water, fltrd 0.7u GF ug/L (49312)	^a alpha- HCH-d6, surrog, Sch2003 wat flt percent recovery (99995)	Anthra- cene, water, fltrd, ug/L (34221)	Atra- zine, water, fltrd, ug/L (39632)
390720119442501		<.5 --	<.006 --	<.5 --	M --	<.007 --	<.004 --	<.02 --	<.008 --	<.04 --	90.4 --	<.5 --	<.007 --
390732119455601		<.5	<.006	<.5	<.5	<.007	<.004	<.02	<.008	<.04	97.3	<.5	E.003
390809119454401		<.5	<.006	<.5	<.5	<.007	<.004	<.02	<.008	<.04	89.1	<.5	E.003
		<.5	<.006	<.5	<.5	<.007	<.004	<.02	<.008	<.04	84.6	<.5	E.003
390941119424601		<.5	--	M	<.5	--	--	--	--	--	--	<.5	--
		<.5	<.006	<.5	<.5	<.007	<.004	<.02	<.008	<.04	92.7	<.5	<.007
390950119452901		<.5	<.006	<.5	<.5	<.007	<.004	<.02	<.008	<.04	106	<.5	<.007
391031119462301		<.5	--	E.1	<.5	--	--	--	--	--	--	<.5	--
		<.5	<.006	<.5	<.5	<.007	<.004	<.02	<.008	<.04	87.4	<.5	<.007
391035119471501		<.5	<.006	<.5	<.5	<.007	<.004	<.02	<.008	<.04	90.2	<.5	<.007
		--	--	--	--	--	--	--	--	--	--	--	--
391058119424602		<.5	<.006	<.5	<.5	<.007	<.004	<.02	<.008	<.04	83.5	<.5	<.007
391113119471501		--	<.006	--	--	<.007	<.004	<.02	<.008	<.04	96.4	--	<.007
		<.5	<.006	<.5	<.5	<.007	<.004	<.02	<.008	<.04	95.5	<.5	<.007
391133119461701		--	--	--	--	<.007	--	<.02	<.008	<.04	--	--	.090
		<.5	<.006	<.5	<.5	<.007	<.004	<.02	<.008	<.04	91.2	<.5	<.007
		--	--	--	--	--	--	--	--	--	--	--	--
393720119432701		<.5	<.006	<.5	<.5	<.007	<.004	<.02	<.008	<.04	88.5	<.5	.014
393738119403001		<.5	<.006	<.5	<.5	<.007	<.004	<.02	<.008	<.04	92.8	<.5	<.007
393800119403601		<.5	<.006	<.5	<.5	<.007	<.004	<.02	<.008	<.04	93.0	<.5	<.007
		--	--	--	--	--	--	--	--	--	--	--	--
393819119433301		<.5	<.006	<.5	<.5	<.007	<.004	<.02	<.008	<.04	92.0	<.5	<.007
393821119423601		<.5	<.006	<.5	<.5	<.007	<.004	<.02	<.008	<.04	93.1	<.5	<.007
		--	--	--	--	--	--	--	--	--	--	--	--
Station	number	Azin- phos- methyl oxon, water, fltrd, ug/L (61635)	Azin- phos- methyl, water, fltrd 0.7u GF ug/L (82686)	^a Barban, surrog, Sched. 2060/ 9060, wat flt pct rcv (90640)	Bendio- carb, water, fltrd, ug/L (50299)	Ben- flur- alin, water, fltrd 0.7u GF ug/L (82673)	Benomyl water, fltrd, ug/L (50300)	Bensul- furon, water, fltrd, ug/L (61693)	Ben- tazon, water, fltrd 0.7u GF ug/L (38711)	Benzo- [a]- pyrene, water, fltrd, ug/L (34248)	Benzo- phenone water, fltrd, ug/L (62067)	beta- Sitos- terol, water, fltrd, ug/L (62068)	beta- Stigma- stanol, water, fltrd, ug/L (62086)
390720119442501		<.02 --	<.050 --	110 --	<.03 --	<.010 --	<.004 --	<.02 --	<.01 --	<.5 --	<.5 --	<2 --	<2 --

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station	number	Bisphenol A-d3					Caffeine-13C		Caffeine-13C		Carbaryl		Carbaryl		Carbazole		Carbofuran	
		Bisphenol A, water, fltrd, ug/L (26069)	ol A-d3 sur Sch 2033 & 8033, wat flt pct rcv (99583)	Bromacil, water, fltrd, ug/L (04029)	Bromoxynil, water, fltrd, 0.7u GF ug/L (49311)	Caffeine, water, fltrd, ug/L (50305)	fine-13C, surrog, wat flt percent recovery (99959)	ine-13C sur Sch 2033 & 2033, wat flt pct rcv (99584)	Camphor, water, fltrd, ug/L (62070)	Carbaryl, water, fltrd, 0.7u GF ug/L (49310)	Carbaryl, water, fltrd, 0.7u GF ug/L (82680)	Carbazole, water, fltrd, ug/L (62071)	Carbofuran, water, fltrd, 0.7u GF ug/L (49309)					
390720119442501		<1	49.5	<.03	<.02	M	116	86.1	<.5	<.03	<.041	<.5	<.006					
390732119455601		<1	15.3	<.03	<.02	<.5	E126	90.3	<.5	<.03	<.041	<.5	<.006					
390809119454401		<1	45.5	<.03	<.02	<.5	E155	84.8	<.5	<.03	<.041	<.5	<.006					
		<1	44.3	<.03	<.02	<.5	E154	90.7	<.5	<.03	<.041	<.5	<.006					
390941119424601		<1	18.6	<.5	--	<.5	--	87.4	<.5	--	<1	<.5	--					
		<1	30.0	<.03	<.02	<.5	99.6	82.9	<.5	<.03	<.041	<.5	<.006					
390950119452901		<1	49.7	<.03	<.02	<.5	106	81.0	<.5	<.03	<.041	<.5	<.006					
391031119462301		<1	69.8	<.5	--	M	--	91.4	<.5	--	<1	<.5	--					
		<1	44.8	<.03	<.02	<.5	104	74.2	<.5	<.03	<.041	<.5	<.006					
391035119471501		<1	57.4	<.03	<.02	<.5	103	90.7	<.5	<.03	<.041	<.5	<.006					
		--	--	--	--	--	--	--	--	--	--	--	--					
391058119424602		<1	50.3	<.03	<.02	<.5	106	77.3	<.5	<.03	<.041	<.5	<.006					
391113119471501		--	--	<.03	<.02	.012	E152	--	--	<.03	<.041	--	<.006					
		<1	4.3	<.03	<.02	<.5	E135	79.5	<.5	<.03	<.041	<.5	<.006					
		--	--	<.03	<.02	<.010	E141	--	--	.09	--	--	.094					
391133119461701		<1	15.4	<.03	<.02	<.5	92.9	86.2	<.5	<.03	<.041	<.5	<.006					
		--	--	--	--	--	--	--	--	--	--	--	--					
393720119432701		<1	20.0	<.03	<.02	<.5	104	94.7	<.5	<.03	<.041	<.5	<.006					
393738119403001		<1	7.7	<.03	<.02	<.5	107	95.7	<.5	<.03	<.041	<.5	<.006					
393800119403601		<1	17.5	<.03	<.02	<.5	111	99.2	<.5	<.03	<.041	<.5	<.006					
		--	--	--	--	--	--	--	--	--	--	--	--					
393819119433301		<1	19.4	<.03	<.02	<.5	119	82.6	<.5	<.03	<.041	<.5	<.006					
393821119423601		<1	10.1	<.03	<.02	<.5	90.5	88.4	<.5	<.03	<.041	<.5	<.006					
		--	--	--	--	--	--	--	--	--	--	--	--					
Station	number	Chloramben methyl ester, water, fltrd, ug/L (61188)	Chlorimuron, water, fltrd, ug/L (50306)	Chlorodimethazine, wat flt ug/L (04039)	Chlorothalonil, water, fltrd, 0.7u GF ug/L (49306)	Chlorpyrifos oxon, water, fltrd, ug/L (61636)	Chlorpyrifos water, fltrd, ug/L (38933)	Cholesterol, water, fltrd, ug/L (62072)	cis-Permethrin, water, fltrd, 0.7u GF ug/L (82687)	Clopyralid, water, fltrd, 0.7u GF ug/L (49305)	Cotinine, water, fltrd, ug/L (62005)	Cycloate, water, fltrd, ug/L (04031)	Cyfluthrin, water, fltrd, ug/L (61585)					
390720119442501		<.02	<.010	<.01	<.04	<.06	<.005	<2	<.006	<.01	<1	<.01	<.008					
390732119455601		<.02	<.010	<.01	<.04	<.06	<.005	<2	<.006	<.01	<1	<.01	<.008					
390809119454401		<.02	<.010	<.01	<.04	<.06	<.005	<2	<.006	<.01	<1	<.01	<.008					
		<.02	<.010	<.01	<.04	<.06	<.005	<2	<.006	<.01	<1	<.01	<.008					
390941119424601		--	--	--	--	--	<.5	<2	--	--	<1	--	--					
		<.02	<.010	<.01	<.04	<.06	<.005	<2	<.006	<.01	<1	<.01	<.008					
390950119452901		<.02	<.010	<.01	<.04	<.06	<.005	<2	<.006	<.01	<1	<.01	<.008					
391031119462301		--	--	--	--	--	<.5	M	--	--	<1	--	--					
		<.02	<.010	<.01	<.04	<.06	<.005	<2	<.006	<.01	<1	<.01	<.008					
391035119471501		<.02	<.010	<.01	<.04	<.06	<.005	<2	<.006	<.01	<1	<.01	<.008					
		--	--	--	--	--	--	--	--	--	--	--	--					
391058119424602		<.02	<.010	<.01	<.04	<.06	<.005	<2	<.006	<.01	<1	<.01	<.008					
391113119471501		<.02	<.010	<.01	<.04	<.06	<.005	--	<.006	<.01	--	<.01	<.008					
		<.02	<.010	<.01	<.04	<.06	<.005	<2	<.006	<.01	<1	<.01	<.008					
391133119461701		<.02	<.010	<.01	<.04	--	--	--	--	<.01	--	<.01	--					
		<.02	<.010	<.01	<.04	<.06	<.005	<2	<.006	<.01	<1	<.01	<.008					
		--	--	--	--	--	--	--	--	--	--	--	--					
393720119432701		<.02	<.010	<.01	<.04	<.06	<.005	<2	<.006	<.01	<1	<.01	<.008					
393738119403001		<.02	<.010	<.01	<.04	<.06	<.005	<2	<.006	<.01	<1	<.01	<.008					
393800119403601		<.02	<.010	<.01	<.04	<.06	<.005	<2	<.006	<.01	<1	<.01	<.008					
		--	--	--	--	--	--	--	--	--	--	--	--					
393819119433301		<.02	<.010	<.01	<.04	<.06	<.005	<2	<.006	<.01	<1	<.01	<.008					
393821119423601		<.02	<.010	<.01	<.04	<.06	<.005	<2	<.006	<.01	<1	<.01	<.008					
		--	--	--	--	--	--	--	--	--	--	--	--					

Station	number	Cyper-	Dacthal		^a DecaF-		Desulf-		^a Diazi-		Di-		
		methrin	mono-	DCPA,	biphenl	DEET,	inyl	Diazi-	non-d10	Dicamba	chlor-	Dicro-	Diel-
		water,	acid,	water,	sur Sch	water,	fipro-	non,	surrog,	water	prop,	tophos,	drin,
		fltrd,	water,	fltrd	2033 &	fltrd,	nil,	water,	wat flt	fltrd	water,	water,	
		ug/L	0.7u GF	0.7u GF	8033, wat flt	ug/L	fltrd,	fltrd,	percent	ug/L	0.7u GF	fltrd,	fltrd,
		(61586)	ug/L	ug/L	pct rcv	(62082)	ug/L	ug/L	(39572)	recovery	(38442)	ug/L	ug/L
				(82682)	(99585)					(99994)	(49302)	(38454)	(39381)
390720119442501		<.009	<.01	<.003	60.0	<.5	<.004	<.005	89.5	<.01	<.01	<.08	<.005
		--	--	--	--	--	--	--	--	--	--	--	--
390732119455601		<.009	<.01	<.003	60.5	<.5	<.004	<.005	92.7	<.01	<.01	<.08	<.005
390809119454401		<.009	<.01	<.003	53.5	<.5	<.004	<.005	82.1	<.01	<.01	<.08	<.005
		<.009	<.01	<.003	59.0	<.5	<.004	<.005	80.8	<.01	<.01	<.08	<.005
390941119424601		--	--	--	48.8	.8	--	<.5	--	--	--	--	--
		<.009	<.01	<.003	51.4	<.5	<.004	<.005	77.3	<.01	<.01	<.08	<.005
390950119452901		<.009	<.01	<.003	53.6	<.5	<.004	<.005	107	<.01	<.01	<.08	<.005
391031119462301		--	--	--	58.0	1.1	--	<.5	--	--	--	--	--
		<.009	<.01	<.003	49.9	<.5	<.004	<.005	78.6	<.01	<.01	<.08	<.005
391035119471501		<.009	<.01	<.003	58.8	<.5	<.004	<.005	15.1	<.01	<.01	<.08	<.005
		--	--	--	--	--	--	--	--	--	--	--	--
391058119424602		<.009	<.01	<.003	58.0	<.5	<.004	<.005	77.7	<.01	<.01	<.08	<.005
391113119471501		<.009	<.01	<.003	--	--	<.004	<.005	102	<.01	<.01	<.08	<.005
		<.009	<.01	<.003	56.1	<.5	<.004	<.005	85.5	<.01	<.01	<.08	<.005
391133119461701		--	<.01	--	--	--	--	--	--	<.01	<.01	--	--
		<.009	<.01	<.003	55.6	<.5	<.004	<.005	95.6	<.01	<.01	<.08	<.005
		--	--	--	--	--	--	--	--	--	--	--	--
393720119432701		<.009	<.01	<.003	64.7	<.5	<.004	<.005	81.2	<.01	<.01	<.08	<.005
393738119403001		<.009	<.01	<.003	61.9	<.5	<.004	<.005	89.2	<.01	<.01	<.08	<.005
393800119403601		<.009	<.01	<.003	60.9	<.5	<.004	<.005	87.3	<.01	<.01	<.08	<.005
		--	--	--	--	--	--	--	--	--	--	--	--
393819119433301		<.009	<.01	<.003	64.5	<.5	<.004	<.005	84.5	<.01	<.01	<.08	<.005
393821119423601		<.009	<.01	<.003	60.4	<.5	<.004	<.005	87.9	<.01	<.01	<.08	<.005
		--	--	--	--	--	--	--	--	--	--	--	--
Station	number	Di-	Di-	Dimeth-		Diphen-	Diuron,	D-Limo-	Ethion		Ethoxy-	Penami-	Penami-
		ethoxy-	ethoxy-	oate,	Dinoseb	amid,	water,	nene,	monoxon	Ethion,	octyl-	phos	phos
		phenol,	phenol,	water,	water,	water,	fltrd	water,	water,	water,	phenol,	sulfone	sulf-
		water,	water,	fltrd	fltrd	fltrd,	fltrd	fltrd,	fltrd,	water,	water,	water,	oxide,
		fltrd,	fltrd	0.7u GF	0.7u GF	fltrd,	0.7u GF	fltrd,	fltrd,	fltrd	fltrd,	fltrd,	fl

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station	number	Fenami- phos, water, fltrd, ug/L (61591)	Fenuron water, fltrd 0.7u GF ug/L (49297)	Desulf-	Fipro-	Fipro-	Fipro-	Flumet-	Fluo-	Fluor-	^a Fluor-	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)
				inyl- fipro- nil amide, wat flt ug/L (62169)	nil sulfoxide water, fltrd, ug/L (62167)	nil sulfone water, fltrd, ug/L (62168)	nil, water, fltrd, ug/L (62166)	sulam, water, fltrd, ug/L (61694)	meturon water fltrd 0.7u GF ug/L (38811)	anthene water, fltrd, ug/L (34377)	anthene sur Sch 20/8033 wat flt pct rcv (99586)		
390720119442501		<.03 --	<.03 --	<.009 --	<.005 --	<.005 --	<.007 --	<.01 --	<.03 --	<.5 --	80.2 --	<.002 --	<.003 --
390732119455601		<.03	<.03	<.009	<.005	<.005	<.007	<.01	<.03	<.5	79.8	<.002	<.003
390809119454401		<.03 --	<.03 --	<.009 --	<.005 --	<.005 --	<.007 --	<.01 --	<.03 --	<.5 --	80.0 82.8	<.002 --	<.003 --
390941119424601		-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	<.5 --	71.7 70.0	-- --	-- --
390950119452901		<.03	<.03	<.009	<.005	<.005	<.007	<.01	<.03	<.5	73.9	<.002	<.003
391031119462301		-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	<.5 --	67.9 66.0	-- --	-- --
391035119471501		<.03 --	<.03 --	<.009 --	<.005 --	<.005 --	<.007 --	<.01 --	<.03 --	<.5 --	74.8 --	<.002 --	<.003 --
391058119424602		<.03	<.03	<.009	<.005	<.005	<.007	<.01	<.03	<.5	70.2	<.002	<.003
391113119471501		<.03 --	<.03 --	<.009 --	<.005 --	<.005 --	<.007 --	<.01 --	<.03 --	-- --	-- 75.3	<.002 --	<.003 --
391133119461701		-- --	<.03 --	-- --	-- --	-- --	-- --	<.01 --	<.03 --	-- --	-- 80.3	-- --	-- --
393720119432701		<.03	<.03	<.009	<.005	<.005	<.007	<.01	<.03	<.5	74.6	<.002	<.003
393738119403001		<.03	<.03	<.009	<.005	<.005	<.007	<.01	<.03	<.5	77.7	<.002	<.003
393800119403601		<.03 --	<.03 --	<.009 --	<.005 --	<.005 --	<.007 --	<.01 --	<.03 --	<.5 --	80.9 --	<.002 --	<.003 --
393819119433301		<.03	<.03	<.009	<.005	<.005	<.007	<.01	<.03	<.5	66.6	<.002	<.003
393821119423601		<.03 --	<.03 --	<.009 --	<.005 --	<.005 --	<.007 --	<.01 --	<.03 --	<.5 --	75.8 --	<.002 --	<.003 --

Station number	HHCB, water, fltrd, ug/L (62075)	Imaza-quin, water, fltrd, ug/L (50356)	Imaza-thapyr, water, fltrd, ug/L (50407)	Imida-cloprid, water, fltrd, ug/L (61695)	Indole, water, fltrd, ug/L (62076)	Ipro-dione, water, fltrd, ug/L (61593)	Isobor-neol, water, fltrd, ug/L (62077)	^a Isobutyl alcohol -d6, surrog, wat unf pct rev (62835)	Isofen-phos, water, fltrd, ug/L (61594)	Iso-phorone, water, fltrd, ug/L (34409)	Iso-propyl-benzene, water, fltrd, ug/L (62078)	Iso-quin-oline, water, fltrd, ug/L (62079)
390720119442501	<.5 --	<.02 --	<.02 --	<.007 --	<.5 --	<1 --	<.5 --	104 --	<.003 --	<.5 --	<.5 --	<.5 --
390732119455601	<.5	<.02	<.02	<.007	<.5	<1	<.5	96.3	<.003	<.5	<.5	<.5
390809119454401	<.5 --	<.02 --	<.02 --	<.007 --	<.5 --	<1 --	<.5 --	97.0 --	<.003 --	<.5 --	<.5 --	<.5 --
390941119424601	<.5 --	-- --	-- --	-- --	<.5 --	-- --	<.5 --	112 --	-- --	<.5 --	<.5 --	<.5 --
390950119452901	<.5	<.02	<.02	<.007	<.5	<1	<.5	110	<.003	<.5	<.5	<.5
391031119462301	<.5 --	-- --	-- --	-- --	<.5 --	-- --	<.5 --	120 --	-- --	<.5 --	<.5 --	<.5 --
391035119471501	<.5 --	<.02 --	<.02 --	<.007 --	<.5 --	<1 --	<.5 --	121 --	<.003 --	<.5 --	<.5 --	<.5 --
391058119424602	<.5	<.02	<.02	<.007	<.5	<1	<.5	119	<.003	<.5	<.5	<.5
391113119471501	-- --	<.02 --	<.02 --	<.007 --	-- --	<1 --	-- --	-- --	<.003 --	-- --	-- --	-- --
391133119461701	<.5 --	<.02 --	<.02 --	<.007 --	<.5 --	<1 --	<.5 --	99.1 --	<.003 --	<.5 --	<.5 --	<.5 --
393720119432701	<.5	<.02	<.02	<.007	<.5	<1	<.5	96.9	<.003	<.5	<.5	<.5
393738119403001	<.5	<.02	<.02	<.007	<.5	<1	<.5	109	<.003	<.5	<.5	<.5
393800119403601	<.5 --	<.02 --	<.02 --	<.007 --	<.5 --	<1 --	<.5 --	109 --	<.003 --	<.5 --	<.5 --	<.5 --
393819119433301	<.5	<.02	<.02	<.007	<.5	<1	<.5	96.0	<.003	<.5	<.5	<.5
393821119423601	<.5 --	<.02 --	<.02 --	<.007 --	<.5 --	<1 --	<.5 --	105 --	<.003 --	<.5 --	<.5 --	<.5 --

Station	number	Linuron	Mala-	Mala-	MCPA,	MCPB,	Menthol	Meta-	Meta-	Methi-	Methio-	Meth-	Methyl
		water	oxon,	thion,	water,	water,	water,	laxyl,	laxyl,	althion	carb,	omyl,	acetate
		fltrd	water,	water,	fltrd	fltrd	fltrd,	water,	water,	water,	water,	water,	water
		0.7u GF	fltrd,	fltrd,	0.7u GF	0.7u GF	fltrd,	fltrd,	fltrd,	fltrd,	0.7u GF	0.7u GF	unfltrd
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
		(38478)	(61652)	(39532)	(38482)	(38487)	(62080)	(50359)	(61596)	(61598)	(38501)	(49296)	(77032)
390720119442501		<.01	<.008	<.027	<.02	<.01	<.5	<.02	<.005	<.006	<.008	<.004	<.4
390732119455601		--	--	--	--	--	--	--	--	--	--	--	--
390809119454401		<.01	<.008	<.027	<.02	<.01	<.5	<.02	<.005	<.006	<.008	<.004	<.4
		<.01	<.008	<.027	<.02	<.01	<.5	<.02	<.005	<.006	<.008	<.004	--
390941119424601		--	--	--	--	--	<.5	<.5	--	--	--	--	<.4
		<.01	<.008	<.027	<.02	<.01	<.5	<.02	<.005	<.006	<.008	<.004	<.4
390950119452901		<.01	<.008	<.027	<.02	<.01	<.5	<.02	<.005	<.006	<.008	<.004	<.4
391031119462301		--	--	--	--	--	<.5	<.5	--	--	--	--	<.4
		<.01	<.008	<.027	<.02	<.01	<.5	<.02	<.005	<.006	<.008	<.004	<.4
391035119471501		<.01	<.008	<.027	<.02	<.01	<.5	<.02	<.005	<.006	<.008	<.004	<.4
		--	--	--	--	--	--	--	--	--	--	--	--
391058119424602		<.01	<.008	<.027	<.02	<.01	<.5	<.02	<.005	<.006	<.008	<.004	<.4
391113119471501		<.01	<.008	<.027	<.02	<.01	--	<.02	<.005	<.006	<.008	<.004	--
		<.01	<.008	<.027	<.02	<.01	<.5	<.02	<.005	<.006	<.008	<.004	<.4
		.09	--	--	<.02	<.01	--	.09	--	--	<.008	<.004	--
391133119461701		<.01	<.008	<.027	<.02	<.01	<.5	<.02	<.005	<.006	<.008	<.004	<.4
		--	--	--	--	--	--	--	--	--	--	--	--
393720119432701		<.01	<.008	<.027	<.02	<.01	<.5	<.02	<.005	<.006	<.008	<.004	<.4
393738119403001		<.01	<.008	<.027	<.02	<.01	<.5	<.02	<.005	<.006	<.008	<.004	<.4
393800119403601		<.01	<.008	<.027	<.02	<.01	<.5	<.02	<.005	<.006	<.008	<.004	<.4
		--	--	--	--	--	--	--	--	--	--	--	4.6
393819119433301		<.01	<.008	<.027	<.02	<.01	<.5	<.02	<.005	<.006	<.008	<.004	<.4
393821119423601		<.01	<.008	<.027	<.02	<.01	<.5	<.02	<.005	<.006	<.008	<.004	<.4
		--	--	--	--	--	--	--	--	--	--	--	--
		Methyl	Methyl						N-(4-				
		para-	para-		Meta-	Metri-	Metsul-	Myclo-	Chloro-	Naphth-	Neburon	Nico-	Norflur-
		oxon,	thion,	salicy-	chlor,	buzin,	fur-	butanil	-N'-	alene,	water,	sul-	azon,
		water,	water,	late,	water,	water,	water,	water,	methy-	water,	fltrd	fur-	water,
		fltrd,	fltrd,	fltrd,	fltrd,	fltrd,	fltrd,	fltrd,	urea,	fltrd,	0.7u GF	water,	fltrd
		ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
		(61664)	(82667)	(62081)	(39415)	(82630)	(61697)	(61599)	(61692)	(34443)	(49		

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

	Ory- zalin, water, fltrd	Oxamyl, water, fltrd	p- Cresol, water, fltrd,	Pendi- meth- alin, water, fltrd	Penta- chloro- phenol, water, fltrd,	Phenan- threne, water, fltrd,	Phenol, water, fltrd,	Phorate oxon, water, fltrd,	Phorate water fltrd	Phosmet oxon, water, fltrd,	Phosmet water, fltrd,	Pic- loram, water, fltrd
Station number	0.7u GF ug/L (49292)	0.7u GF ug/L (38866)	fltrd, ug/L (62084)	0.7u GF ug/L (82683)	fltrd, ug/L (34459)	fltrd, ug/L (34462)	fltrd, ug/L (34466)	fltrd, ug/L (61666)	0.7u GF ug/L (82664)	fltrd, ug/L (61668)	fltrd, ug/L (61601)	0.7u GF ug/L (49291)
390720119442501	<.02	<.01	<1	<.022	<2	<.5	E.3	<.10	<.011	<.06	<.008	<.02
	--	--	--	--	--	--	--	--	--	--	--	--
390732119455601	<.02	<.01	<1	<.022	<2	<.5	.7	<.10	<.011	<.06	<.008	<.02
390809119454401	<.02	<.01	<1	<.022	<2	<.5	E.2	<.10	<.011	<.06	<.008	<.02
	<.02	<.01	<1	<.022	<2	<.5	E.2	<.10	<.011	<.06	<.008	<.02
390941119424601	--	--	<1	--	<2	<.5	E.3	--	--	--	--	--
	<.02	<.01	<1	<.022	<2	<.5	E.2	<.10	<.011	<.06	<.008	<.02
390950119452901	<.02	<.01	<1	<.022	<2	<.5	E.3	<.10	<.011	<.06	<.008	<.02
391031119462301	--	--	<1	--	<2	<.5	E.5	--	--	--	--	--
	<.02	<.01	<1	<.022	<2	<.5	<.5	<.10	<.011	<.06	<.008	<.02
391035119471501	<.02	<.01	<1	<.022	<2	<.5	<.5	<.10	<.011	<.06	<.008	<.02
	--	--	--	--	--	--	--	--	--	--	--	--
391058119424602	<.02	<.01	<1	<.022	<2	<.5	<.5	<.10	<.011	<.06	<.008	<.02
391113119471501	<.02	<.01	--	<.022	--	--	--	<.10	<.011	<.06	<.008	<.02
	<.02	<.01	<1	<.022	<2	<.5	E.4	<.10	<.011	<.06	<.008	<.02
391133119461701	<.02	<.01	--	--	--	--	--	--	--	--	--	<.02
	<.02	<.01	<1	<.022	<2	<.5	<.5	<.10	<.011	<.06	<.008	<.02
	--	--	--	--	--	--	--	--	--	--	--	--
393720119432701	<.02	<.01	<1	<.022	<2	<.5	<.5	<.10	<.011	<.06	<.008	<.02
393738119403001	<.02	<.01	<1	<.022	<2	<.5	1.2	<.10	<.011	<.06	<.008	<.02
393800119403601	<.02	<.01	<1	<.022	<2	<.5	.6	<.10	<.011	<.06	<.008	<.02
	--	--	--	--	--	--	--	--	--	--	--	--
393819119433301	<.02	<.01	<1	<.022	<2	<.5	E.4	<.10	<.011	<.06	<.008	<.02
393821119423601	<.02	<.01	<1	<.022	<2	<.5	E.3	<.10	<.011	<.06	<.008	<.02
	--	--	--	--	--	--	--	--	--	--	--	--
Station number	Prome- ton, water, fltrd, ug/L (04037)	Prome- tryn, water, fltrd, ug/L (04036)	Pron- amide, water, fltrd 0.7u GF ug/L (82676)	Propham water fltrd 0.7u GF ug/L (49236)	Propi- cona- zole, water, fltrd, ug/L (50471)	Pro- poxur, water, fltrd 0.7u GF ug/L (38538)	Pyrene, water, fltrd, ug/L (34470)	Siduron water, fltrd, ug/L (38548)	Sima- zine, water, fltrd, ug/L (04035)	Sulfo- met- ruron, water, fltrd, ug/L (50337)	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)	Terba- cil, water, fltrd, ug/L (04032)
390720119442501	<.01	<.005	<.004	<.010	<.02	<.008	<.5	<.02	<.005	<.009	<.02	<.010
	--	--	--	--	--	--	--	--	--	--	--	--
390732119455601	<.01	<.005	<.004	<.010	<.02	<.008	<.5	<.02	.008	<.009	<.02	<.010
390809119454401	<.01	<.005	<.004	<.010	<.02	<.008	<.5	<.02	<.005	<.009	<.02	<.010
	<.01	<.005	<.004	<.010	<.02	<.008	<.5	<.02	<.005	<.009	<.02	<.010
390941119424601	<.5	--	--	--	--	--	<.5	--	--	--	--	--
	<.01	<.005	<.004	<.010	<.02	<.008	<.5	<.02	<.005	<.009	<.02	<.010
390950119452901	<.01	<.005	<.004	<.010	<.02	<.008	<.5	<.02	<.005	<.009	<.02	<.010
391031119462301	<.5	--	--	--	--	--	<.5	--	--	--	--	--
	<.01	<.005	<.004	<.010	<.02	<.008	<.5	<.02	<.005	<.009	<.02	<.010
391035119471501	<.01	<.005	<.004	<.010	<.02	<.008	<.5	<.02	<.005	<.009	<.02	<.010
	--	--	--	--	--	--	--	--	--	--	--	--
391058119424602	<.01	<.005	<.004	<.010	<.02	<.008	<.5	<.02	<.005	<.009	<.02	<.010
391113119471501	<.01	<.005	<.004	<.010	<.02	<.008	--	<.02	<.005	<.009	<.02	<.010
	<.01	<.005	<.004	<.010	<.02	<.008	<.5	<.02	<.005	<.009	<.02	<.010
391133119461701	--	--	--	<.010	<.02	<.008	--	<.02	--	<.009	.110	<.010
	<.01	<.005	<.004	<.010	<.02	<.008	<.5	<.02	<.005	<.009	<.02	<.010
	--	--	--	--	--	--	--	--	--	--	--	--
393720119432701	<.01	<.005	<.004	<.010	<.02	<.008	<.5	<.02	<.005	<.009	<.02	<.010
393738119403001	<.01	<.005	<.004	<.010	<.02	<.008	<.5	<.02	<.005	<.009	<.02	<.010
393800119403601	<.01	<.005	<.004	<.010	<.02	<.008	<.5	<.02	<.005	<.009	<.02	<.010
	--	--	--	--	--	--	--	--	--	--	--	--
393819119433301	<.01	<.005	<.004	<.010	<.02	<.008	<.5	<.02	<.005	<.009	<.02	<.010
393821119423601	<.01	<.005	<.004	<.010	<.02	<.008	<.5	<.02	<.005	<.009	<.02	<.010
	--	--	--	--	--	--	--	--	--	--	--	--

Station	number	Ter- bufos oxon sulfone water, fldrtd, ug/L (61674)	Terbu- fos water, fldrtd 0.7u GF ug/L (82675)	Ter- buthyl- azine, water, fldrtd, ug/L (04022)	tert- Amyl alcohol water unfldrtd ug/L (77073)	tert- Butyl- alcohol water unfldrtd ug/L (77035)	Tetra- chloro- ethene, water, fldrtd, ug/L (34476)	Tri- bromo- methane water, fldrtd, ug/L (34288)	Tri- butyl phos- phate, water, fldrtd, ug/L (62089)	Tri- clopyr, water, fldrtd 0.7u GF ug/L (49235)	Triclo- san, water, fldrtd, ug/L (62090)	Tri- ethyl citrate water, fldrtd, ug/L (62091)	Tri- flur- alin, water, fldrtd 0.7u GF ug/L (82661)	
390720119442501		<.07 --	<.02 --	<.01 --	<.43 --	<1 --	<.5 --	<.5 --	<.5 --	<.02 --	<1 --	<.5 --	<.009 --	
390732119455601		<.07	<.02	<.01	<.43	<1	<.5	<.5	<.5	<.02	<1	<.5	<.009	
390809119454401		<.07 --	<.02 --	<.01 --	<.43 --	<1 --	<.5 --	<.5 --	<.5 --	<.02 --	<1 --	<.5 --	<.009 --	
390941119424601		--	--	--	<.43	<1	<.5	<.5	<.5	--	<1	<.5	--	
390950119452901		<.07	<.02	<.01	<.43	<1	<.5	<.5	<.5	<.02	<1	<.5	<.009	
391031119462301		--	--	--	<.43	<1	<.5	<.5	<.5	--	<1	<.5	--	
		<.07	<.02	<.01	<.43	<1	<.5	<.5	<.5	<.02	<1	<.5	<.009	
391035119471501		<.07 --	<.02 --	<.01 --	<.43 --	<1 --	E.3 --	E.2 --	<.5 --	<.02 --	<1 --	<.5 --	<.009 --	
391058119424602		<.07	<.02	<.01	<.43	<1	<.5	<.5	<.5	<.02	<1	<.5	<.009	
391113119471501		<.07 --	<.02 --	<.01 --	<.43 --	<1 --	--	--	--	<.02 --	--	--	<.009 --	
		<.07	<.02	<.01	<.43	<1	<.5	E.1	<.5	<.02	<1	<.5	<.009	
391133119461701		--	--	--	--	--	--	--	--	<.02	--	--	--	
		<.07	<.02	<.01	<.43	<1	<.5	<.5	<.5	<.02	<1	<.5	<.009	
393720119432701		<.07	<.02	<.01	<.4	<1	<.5	<.5	<.5	<.02	<1	<.5	<.009	
393738119403001		<.07	<.02	<.01	<.43	<1	<.5	<.5	<.5	<.02	<1	<.5	<.009	
393800119403601		<.07 --	<.02 --	<.01 --	<.43 25.4	<1 22.2	<.5 --	<.5 --	<.5 --	<.02 --	<1 --	<.5 --	<.009 --	
393819119433301		<.07	<.02	<.01	<.43	<1	<.5	M	<.5	<.02	<1	<.5	<.009	
393821119423601		<.07 --	<.02 --	<.01 --	<.4 --	<1 --	<.5 --	<.5 --	<.5 --	<.02 --	<1 --	<.5 --	<.009 --	
		Tri- phenyl phos- phate, water, fldrtd, ug/L (62092)	Tris(2- butoxy- ethyl) phos- phate, wat flt ug/L (62093)	Tris(2- chloro- ethyl) phos- phate, wat flt ug/L (62087)	Tris(di chloro- i-Pr) phos- phate, wat flt ug/L (62088)	1,1,1,2 -Tetra- chloro- ethane, water, unfldrtd ug/L (77562)	1,1,1- Tri- chloro- ethane, water, unfldrtd ug/L (34506)	1,1,2,2 -Tetra- chloro- ethane, water, unfldrtd ug/L (34516)		1,1,2- Tri- chloro- ethane, water, unfldrtd ug/L (34511)	1,1-Di- chloro- ethane, water, unfldrtd ug/L (34496)	1,1-Di- chloro- ethene, water, unfldrtd ug/L (34501)	1,1-Di- chloro- propene water unfldrtd ug/L (77168)	
390720119442501		<.5 --	<.5 --	<.5 --	<.5 --	<.03 --	<.03 --	<.09 --	<.06 --	<.06 --	<.04 --	<.04 --	<.05 --	
390732119455601		<.5	<.5	<.5	<.5	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	
390809119454401		<.5 --	<.5 --	<.5 --	<.5 --	<.03 --	<.03 --	<.09 --	<.06 --	<.06 --	<.04 --	<.04 --</		

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station	number	1,2,3,4 Tetra- methyl- benzene water	1,2,3,5 Tetra- methyl- benzene water	1,2,3- Tri- chloro- benzene water	1,2,3- Tri- chloro- propane water	1,2,3- Tri- methyl- benzene water	1,2,4- Tri- chloro- benzene water	1,2,4- Tri- methyl- benzene water	Dibromo- chloro- propane water	1,2-Di- bromo- ethane, water,	1,2-Di- chloro- benzene water	1,2-Di- chloro- ethane, water,	^a 1,2-Di- chloro- ethane- d4, sur Sch2090
		unfltrd ug/L (49999)	unfltrd ug/L (50000)	unfltrd ug/L (77613)	unfltrd ug/L (77443)	unfltrd ug/L (77221)	unfltrd ug/L (34551)	unfltrd ug/L (77222)	unfltrd ug/L (82625)	unfltrd ug/L (77651)	unfltrd ug/L (34536)	unfltrd ug/L (32103)	wat unf pct rcv (99832)
390720119442501		<.2 --	<.2 --	<.3 --	<.16 --	<.1 --	<.1 --	<.06 --	<.5 --	<.04 --	<.03 --	<.1 --	109 --
390732119455601		<.2	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1	131
390809119454401		<.2 --	<.2 --	<.3 --	<.16 --	<.1 --	<.1 --	<.06 --	<.5 --	<.04 --	<.03 --	<.1 --	114 --
390941119424601		<.2	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1	109
390950119452901		<.2	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1	114
391031119462301		<.2	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1	117
391035119471501		<.2	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1	108
391058119424602		<.2	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1	107
391113119471501		<.2 --	<.2 --	<.3 --	<.16 --	<.1 --	<.1 --	<.06 --	<.5 --	<.04 --	<.03 --	<.1 --	123 --
391133119461701		<.2 --	<.2 --	<.3 --	<.16 --	<.1 --	<.1 --	<.06 --	<.5 --	<.04 --	<.03 --	<.1 --	131 --
393720119432701		<.2	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1	105
393738119403001		<.2	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1	111
393800119403601		<.2 2.2	<.2 2.2	<.3 2.2	<.16 2.76	<.1 1.1	<.1 1.4	<.06 .55	<.5 3.7	<.04 .46	<.03 .45	<.1 2.2	106 108
393819119433301		<.2	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1	109
393821119423601		<.2 --	<.2 --	<.3 --	<.16 --	<.1 --	<.1 --	<.06 --	<.5 --	<.04 --	<.03 --	<.1 --	101 --
Station	number	1,2-Di- chloro- propane water	1,3,5- Tri- methyl- benzene water	1,3-Di- chloro- benzene water	1,3-Di- chloro- propane water	1,4-Di- chloro- benzene water	^a 14Bromo fluoro- benzene surrog. VOC Sch wat unf pct rcv	2,2-Di- chloro- propane water	2- Chloro- toluene water	2- Ethyl- toluene water	3- Chloro- propene water	4- Chloro- toluene water	4-Iso- propyl- toluene water
390720119442501		<.03 --	<.04 --	<.03 --	<.1 --	<.05 --	80.7 --	<.05 --	<.04 --	<.06 --	<.12 --	<.05 --	<.12 --
390732119455601		<.03	<.04	<.03	<.1	<.05	92.9	<.05	<.04	<.06	<.12	<.05	<.12
390809119454401		<.03 --	<.04 --	<.03 --	<.1 --	<.05 --	80.4 --	<.05 --	<.04 --	<.06 --	<.12 --	<.05 --	<.12 --
390941119424601		<.03 --	<.04 --	<.03 --	<.1 --	<.05 --	86.2 --	<.05 --	<.04 --	<.06 --	<.12 --	<.05 --	<.12 --
390950119452901		<.03	<.04	<.03	<.1	<.05	76.4	<.05	<.04	<.06	<.12	<.05	<.12
391031119462301		<.03	<.04	<.03	<.1	<.05	95.0	<.05	<.04	<.06	<.12	<.05	<.12
391035119471501		<.03 --	<.04 --	<.03 --	<.1 --	<.05 --	92.4 --	<.05 --	<.04 --	<.06 --	<.12 --	<.05 --	<.12 --
391058119424602		<.03	<.04	<.03	<.1	<.05	92.5	<.05	<.04	<.06	<.12	<.05	<.12
391113119471501		<.03 --	<.04 --	<.03 --	<.1 --	<.05 --	91.8 --	<.05 --	<.04 --	<.06 --	<.12 --	<.05 --	<.12 --
391133119461701		<.03 --	<.04 --	<.03 --	<.1 --	<.05 --	89.0 --	<.05 --	<.04 --	<.06 --	<.12 --	<.05 --	<.12 --
393720119432701		<.03	<.04	<.03	<.1	<.05	91.5	<.05	<.04	<.06	<.12	<.05	<.12
393738119403001		<.03	<.04	<.03	<.1	<.05	91.2	<.05	<.04	<.06	<.12	<.05	<.12
393800119403601		<.03 .72	<.04 .46	<.03 .40	<.1 1.2	<.05 .43	87.2 93.5	<.05 .78	<.04 .44	<.06 .84	<.12 1.56	<.05 .52	<.12 .89
393819119433301		<.03	<.04	<.03	<.1	<.05	89.1	<.05	<.04	<.06	<.12	<.05	<.12
393821119423601		<.03 --	<.04 --	<.03 --	<.1 --	<.05 --	90.7 --	<.05 --	<.04 --	<.06 --	<.12 --	<.05 --	<.12 --

Station	number	Bromo-											Chloro- methane water unfltrd ug/L (34418)
		Acetone water unfltrd ug/L (81552)	Acrylo- nitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromo- benzene water unfltrd ug/L (81555)	Bromo- chloro- methane water unfltrd ug/L (77297)	Bromo- di- chloro- methane water unfltrd ug/L (32101)	Bromo- ethene, water, unfltrd ug/L (50002)	Bromo- methane water unfltrd ug/L (34413)	Carbon di- sulfide water unfltrd ug/L (77041)	Chloro- benzene water unfltrd ug/L (34301)	Chloro- ethane, water, unfltrd ug/L (34311)	
		unfltrd ug/L (81552)	unfltrd ug/L (34215)	unfltrd ug/L (34030)	unfltrd ug/L (81555)	unfltrd ug/L (77297)	unfltrd ug/L (32101)	unfltrd ug/L (50002)	unfltrd ug/L (34413)	unfltrd ug/L (77041)	unfltrd ug/L (34301)	unfltrd ug/L (34311)	
390720119442501		<7 --	<1 --	<.04 --	<.04 --	<.12 --	<.05 --	<.1 --	<.3 --	<.07 --	<.03 --	<.1 --	<.2 --
390732119455601		<7	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2
390809119454401		<7 --	<1 --	<.04 --	<.04 --	<.12 --	<.05 --	<.1 --	<.3 --	<.07 --	<.03 --	<.1 --	<.2 --
390941119424601		<7	<1	E.01	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2
390950119452901		<7	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2
391031119462301		<7	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2
		<7	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2
391035119471501		<7 --	<1 --	<.04 --	<.04 --	<.12 --	<.05 --	<.1 --	<.3 --	<.07 --	<.03 --	<.1 --	<.2 --
391058119424602		<7 --	<1 --	<.04 --	<.04 --	<.12 --	<.05 --	<.1 --	<.3 --	<.07 --	<.03 --	<.1 --	<.2 --
391113119471501		<7	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2
		--	--	--	--	--	--	--	--	--	--	--	--
391133119461701		<7 --	<1 --	<.04 --	<.04 --	<.12 --	<.05 --	<.1 --	<.3 --	<.07 --	<.03 --	<.1 --	<.2 --
393720119432701		<7	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2
393738119403001		<7	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2
393800119403601		<7 80	<1 24	<.04 .54	<.04 .42	<.12 1.76	<.05 .50	<.1 2.1	<.3 E4.2	<.07 .67	<.03 .47	<.1 1.4	<.2 E3.5
393819119433301		<7	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2
393821119423601		<7 --	<1 --	<.04 --	<.04 --	<.12 --	<.05 --	<.1 --	<.3 --	<.07 --	<.03 --	<.1 --	<.2 --
Station	number	cis- 1,2-Di- chloro- ethene, water, unfltrd ug/L (77093)	cis- 1,3-Di- chloro- propene water unfltrd ug/L (34704)	Di- bromo- chloro- methane water unfltrd ug/L (32105)	Di- bromo- methane water unfltrd ug/L (30217)	Di- chloro- di- fluoro- methane wat unf ug/L (34668)	Di- chloro- methane water unfltrd ug/L (34423)	Di- ethyl ether, water, unfltrd ug/L (81576)	Diiso- propyl ether, water, unfltrd ug/L (81577)	Ethyl methac- rylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl- benzene water unfltrd ug/L (34371)	Hexa- chloro- buta- diene, water, unfltrd ug/L (39702)
390720119442501		<.04 --	<.09 --	<.2 --	<.05 --	<.18 --	<.2 --	<.2 --	<.10 --	<.2 --	<5.0 --	<.03 --	<.1 --
390732119455601		E.02	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1
390809119454401		<.04 --	<.09 --	<.2 --	<.05 --	<.18 --	<.2 --	<.2 --	<.10 --	<.2 --	<5.0 --	<.03 --	<.1 --
39													

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	Hexa- chloro- ethane, water, unfltrd ug/L (34396)	Iodo- methane water, unfltrd ug/L (77424)	Iso- butyl methyl ketone, water, unfltrd ug/L (78133)	Iso- propyl- benzene water, unfltrd ug/L (77223)	Meth- acrylo- nitrile water, unfltrd ug/L (81593)	Methyl acryl- ate, water, unfltrd ug/L (49991)	Methyl methac- rylate, water, unfltrd ug/L (81597)	Methyl tert- pentyl ether, water, unfltrd ug/L (50005)	meta- + para- Xylene, water, unfltrd ug/L (85795)	Naphth- alene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water, unfltrd ug/L (77342)
390720119442501	<.2	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2
390732119455601	<.2	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2
390809119454401	<.2	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2
390941119424601	<.2	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	E.04	<.5	<.7	<.2
390950119452901	<.2	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2
391031119462301	<.2	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2
391035119471501	<.2	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2
391058119424602	<.2	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2
391113119471501	<.2	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2
391133119461701	<.2	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2
393720119432701	<.2	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2
393738119403001	<.2	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2
393800119403601	<.2	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2
393819119433301	<.2	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2
393821119423601	<.2	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2
Station number	n- propyl- benzene water, unfltrd ug/L (77224)	o- Xylene, water, unfltrd ug/L (77135)	sec- Butyl- benzene water, unfltrd ug/L (77350)	Styrene water, unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert- Butyl- benzene water, unfltrd ug/L (77353)	Tetra- chloro- ethene, water, unfltrd ug/L (34475)	Tetra- chloro- methane water, unfltrd ug/L (32102)	Tetra- hydro- furan, water, unfltrd ug/L (81607)	Toluene water, unfltrd ug/L (34010)	^a Toluene -d8, surrog, Sch2090 wat unf percent recovry (99833)
390720119442501	<.04	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	88.2
390732119455601	<.04	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	102
390809119454401	<.04	<.07	<.06	<.04	<.05	<.2	<.10	E.01	<.06	<2	<.05	90.0
390941119424601	<.04	E.02	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	E.06	92.3
390950119452901	<.04	<.07	<.06	<.04	<.05	M	<.10	<.03	<.06	<2	<.05	88.7
391031119462301	<.04	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	97.4
391035119471501	<.04	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	97.5
391058119424602	<.04	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	97.7
391113119471501	<.04	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	98.2
391133119461701	<.04	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	103
393720119432701	<.04	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	89.7
393738119403001	<.04	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	90.7
393800119403601	<.04	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	90.6
393819119433301	<.04	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	97.6
393821119423601	<.04	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	91.8
	<.04	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	89.2

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	trans- 1,2-Di- chloro- ethene, water, unfltrd ug/L (34546)	trans- 1,3-Di- chloro- propene, water, unfltrd ug/L (34699)	trans- 1,4-Di- chloro- 2- butene, water, unfltrd ug/L (73547)	Tri- bromo- methane, water, unfltrd ug/L (32104)	Tri- chloro- ethene, water, unfltrd ug/L (39180)	Tri- chloro- fluoro- methane, water, unfltrd ug/L (34488)	Tri- chloro- methane, water, unfltrd ug/L (32106)	Vinyl chlor- ide, water, unfltrd ug/L (39175)	Di- chlor- vos, water, fltrd, ug/L (38775)	Deu- terium/ Protium ratio, water, unfltrd per mil (82082)	O-18 / O-16 ratio, water, unfltrd per mil (82085)	Uranium natural water, fltrd, ug/L (22703)
390720119442501	<.03	<.09	<.7	<.10	<.04	<.09	<.02	<.1	<.01	-110	-14.66	5.50
	--	--	--	--	--	--	--	--	--	--	--	--
390732119455601	<.03	<.09	<.7	<.10	<.04	<.09	<.02	<.1	<.01	--	--	4.40
390809119454401	<.03	<.09	<.7	<.10	<.04	<.09	<.02	<.1	<.01	--	--	2.26
	--	--	--	--	--	--	--	--	<.01	--	--	--
390941119424601	<.03	<.09	<.7	<.10	<.04	<.09	<.02	<.1	<1.00	--	--	--
	<.03	<.09	<.7	<.10	<.04	<.09	<.02	<.1	<.01	-106	-13.91	20.6
390950119452901	<.03	<.09	<.7	<.10	<.04	<.09	E.01	<.1	<.01	--	--	15.4
391031119462301	<.03	<.09	<.7	<.10	<.04	<.09	<.02	<.1	<1.00	--	--	--
	<.03	<.09	<.7	<.10	<.04	<.09	<.02	<.1	<.01	--	--	22.9
391035119471501	<.03	<.09	<.7	<.10	<.04	<.09	.17	<.1	<.01	--	--	15.0
	--	--	--	--	--	--	--	--	--	--	--	--
391058119424602	<.03	<.09	<.7	<.10	<.04	<.09	<.02	<.1	<.01	--	--	.55
391113119471501	--	--	--	--	--	--	--	--	<.01	--	--	--
	<.03	<.09	<.7	<.10	<.04	<.09	E.07	<.1	<.01	-107	-14.29	41.5
391133119461701	--	--	--	--	--	--	--	--	--	--	--	--
	<.03	<.09	<.7	<.10	<.04	<.09	E.02	<.1	<.01	--	--	25.1
	--	--	--	--	--	--	--	--	--	--	--	--
393720119432701	<.03	<.09	<.7	<.10	<.04	<.09	<.02	<.1	<.01	--	--	12.5
393738119403001	<.03	<.09	<.7	<.10	<.04	<.09	E.05	<.1	<.01	--	--	.91
393800119403601	<.03	<.09	<.7	<.10	<.04	<.09	<.02	<.1	<.01	--	--	1.08
	.44	1.22	6.9	1.77	.47	2.41	.50	1.2	--	--	--	--
393819119433301	<.03	<.09	<.7	<.10	<.04	<.09	<.02	<.1	<.01	--	--	1.67
393821119423601	<.03	<.09	<.7	<.10	<.04	<.09	<.02	<.1	<.01	--	--	2.30
	--	--	--	--	--	--	--	--	--	--	--	--

Remark codes used in this report:

< -- Less than

E -- Estimated value

M -- Presence verified, not quantified

^a Listed values are recovery percentages for the indicated compounds. These compounds are added to the sample to determine the relative recovery of other organic compounds that are detected using the same analytical method.

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT

Water-quality measurements in the following table were made as part of the National Water-Quality Assessment Program (NAWQA) Reno-Carson City-Spanish Springs Major Aquifer Study to monitor conditions of deep ground water. Depths and Water Levels: Depths are referenced to land-surface datum (LSD). The following sites are shown in figures 32 and 34.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	Local Identification	Date	Time	Sample type	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Flow rate of well, gal/min (00058)
390802119445301	104 N15 E20 28CBAD1	05-08-03	0930	ENVIRONMENTAL	174.	--	15
	104 N15 E20 28CBAD1	05-08-03	1030	REPLICATE		--	15
390943119474802	104 N15 E19 13CADA2	04-02-03	1045	ENVIRONMENTAL	190.	69.68	.80
391004119433301	103 N15 E20 15BDBA1	07-23-03	1030	ENVIRONMENTAL	105.	11.59	.50
391014119450701	104 N15 E20 17AADC1	04-10-03	0955	ENVIRONMENTAL	700.	--	485
391105119481101	104 N15 E19 12BBCB1	04-07-03	0900	FIELD BLANK		--	--
	104 N15 E19 12BBCB1	04-07-03	1020	ENVIRONMENTAL	163.	141.37	.50
391128119415701	103 N15 E20 02DDAC1	04-09-03	1040	ENVIRONMENTAL	460.	--	150
391231119442901	104 N16 E20 33ACCC1	04-01-03	1020	ENVIRONMENTAL	238.	107.95	.80
392231119501901	088 N18 E19 34CDCC1	04-15-03	0950	ENVIRONMENTAL	236.	--	150
392414119474701	087 N18 E19 25ABBB1	04-17-03	0830	ENVIRONMENTAL	760.	--	600
392506119462201	087 N18 E20 19AABB1	04-16-03	0830	ENVIRONMENTAL	530.	--	800
392509119451401	087 N18 E20 17DDDC1	04-23-03	0930	ENVIRONMENTAL	130.	17.50	250
392614119454501	087 N18 E20 08CADC1	04-22-03	0845	ENVIRONMENTAL	429.	--	550
392627119481901	087 N18 E19 12BCCD1	05-06-03	0930	FIELD BLANK		--	--
	087 N18 E19 12BCCD1	05-06-03	1045	ENVIRONMENTAL	242.	--	15
	087 N18 E19 12BCCD1	05-06-03	1100	SPIKE		--	--
392636119464401	087 N18 E20 07ACBB1	07-22-03	0845	ENVIRONMENTAL	334.	--	700
	087 N18 E20 07ACBB1	07-22-03	0855	SPIKE		--	--
392718119463401	087 N18 E20 06BAAA2	07-21-03	0815	ENVIRONMENTAL	286.	--	1190
392809119465901	087 N19 E20 31CABA1	07-21-03	0830	ENVIRONMENTAL	323.	--	554
392927119475601	087 N19 E19 25BAAB1	05-05-03	1030	ENVIRONMENTAL	470.	--	15
393043119504901	087 N19 E19 16DABB1	07-14-03	0855	ENVIRONMENTAL	360.	--	638
393045119500501	087 N19 E19 15CAAA1	07-17-03	0945	ENVIRONMENTAL	485.	--	2290
393053119445601	087 N19 E20 16BCAC2	04-21-03	0945	ENVIRONMENTAL	191.	--	500
	087 N19 E20 16BCAC2	04-21-03	1015	REPLICATE		--	500
393105119494001	087 N19 E19 15AABA1	07-14-03	0900	ENVIRONMENTAL	456.	--	2340
393108119415101	083 N19 E20 14AAAC1	04-08-03	1110	ENVIRONMENTAL	161.	3.56	1.0
393127119471101	087 N19 E20 18DBDB1	07-16-03	1010	ENVIRONMENTAL	685.	--	1150
393145119452401	087 N19 E20 08DDBC1	07-15-03	0915	ENVIRONMENTAL	274.	--	1520
	087 N19 E20 08DDBC1	07-15-03	0930	REPLICATE		--	1520
393158119454301	087 N19 E20 08BDAC1	07-16-03	0920	ENVIRONMENTAL	665.	--	1460
393203119472801	087 N19 E19 12AABA1	07-15-03	0900	FIELD BLANK		--	--
	087 N19 E19 12AABA1	07-15-03	0900	ENVIRONMENTAL	583.	--	--
	087 N19 E19 12AABA1	07-15-03	1115	ENVIRONMENTAL		--	1420
393231119462901	087 N19 E20 06ADCC1	07-17-03	0950	ENVIRONMENTAL	375.	--	1150
393715119403701	085 N20 E21 07BBBD1	05-01-03	0920	ENVIRONMENTAL	797.	--	1800
393739119432101	085 N20 E20 03CAAD1	04-29-03	0830	FIELD BLANK		--	--
	085 N20 E20 03CAAD1	04-29-03	0945	ENVIRONMENTAL	815.	--	200
393812119425701	085 N21 E20 34DDDC1	04-30-03	0845	ENVIRONMENTAL	300.	--	800

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	Turbidity, water, unfltrd field, NTU (61028)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat un- f uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)
390802119445301	.3	633	1.6	19	7.0	240	7.5	14.0	24.6	7.65	1.44	16.4
	--	--	--	--	--	--	--	--	24.1	7.40	1.53	15.6
390943119474802	2.3	628	.8	8	7.1	227	3.0	10.9	23.9	8.31	2.49	13.2
391004119433301	17	646	.1	.0	8.1	359	34.0	20.3	34.8	1.19	1.04	40.6
391014119450701	.2	642	.8	10	7.9	187	22.0	15.8	19.5	2.48	5.36	18.8
391105119481101	--	--	--	--	--	--	--	--	--	--	--	--
	4.0	635	5.0	56	6.7	166	13.0	12.1	17.3	3.45	2.79	10.5
391128119415701	.6	644	3.3	40	7.2	392	14.0	16.0	44.1	6.67	3.07	26.5
391231119442901	620	632	5.6	72	7.5	323	13.0	18.2	29.6	7.86	3.29	27.1
392231119501901	.3	612	3.6	42	7.3	347	4.0	12.7	29.4	22.0	4.93	13.7
392414119474701	.3	626	4.3	55	7.4	221	8.5	17.9	16.4	11.1	4.81	11.7
392506119462201	.2	641	4.7	58	7.2	216	6.0	16.6	16.7	10.3	5.65	10.8
392509119451401	.2	642	5.1	62	6.6	192	9.0	16.1	7.83	2.73	5.63	28.5
392614119454501	.6	640	4.2	50	7.6	231	10.0	15.4	17.3	12.9	6.22	9.88
392627119481901	--	--	--	--	--	--	--	--	--	--	--	--
	.5	638	7.0	86	7.0	441	14.0	16.4	44.1	16.7	4.67	20.4
	--	--	--	--	--	--	--	--	--	--	--	--
392636119464401	1.2	649	5.9	67	7.2	204	--	13.5	17.8	6.70	2.48	13.3
	--	--	--	--	--	--	--	--	--	--	--	--
392718119463401	--	650	4.5	56	7.3	278	--	17.8	22.1	14.9	5.72	13.6
392809119465901	.1	654	2.8	33	7.2	374	--	16.2	28.8	20.2	5.19	16.6
392927119475601	1.6	646	.6	11	7.8	748	23.0	39.8	14.3	.909	6.91	142
393043119504901	.1	649	2.9	34	7.8	433	16.0	15.4	43.8	21.8	4.06	15.5
393045119500501	.2	650	5.0	59	7.6	386	--	15.6	36.8	13.0	3.30	20.2
393053119445601	.2	640	1.0	11	7.2	253	13.0	13.2	20.0	8.54	3.55	19.4
393105119494001	--	--	--	--	--	--	--	--	--	--	--	--
	.1	654	6.3	69	7.3	355	--	12.5	34.3	12.3	2.94	17.9
393108119415101	.6	652	.3	4	8.2	832	15.0	19.6	5.72	.466	3.94	175
393127119471101	.3	650	.1	.0	7.9	422	--	19.4	4.49	1.81	6.84	78.8
393145119452401	.1	654	2.3	26	7.5	324	--	14.7	26.9	11.2	4.07	21.2
	--	--	--	--	--	--	--	--	25.9	11.2	4.02	21.0
393158119454301	.1	654	.1	1	7.4	320	21.8	21.6	19.8	5.07	7.69	35.5
393203119472801	--	--	--	--	--	--	--	--	.02	<.008	<.16	<.10
	--	--	--	--	--	--	--	--	--	--	--	--
	.1	649	5.2	62	7.8	451	--	16.2	45.6	16.4	3.22	19.7
393231119462901	.3	655	8.6	97	7.7	346	31.0	13.7	34.0	11.9	2.96	19.1
393715119403701	.2	645	2.6	34	8.2	212	10.0	20.3	7.10	3.37	5.64	33.5
393739119432101	--	--	--	--	--	--	--	--	<.01	<.008	<.16	<.09
	.3	643	1.5	18	7.2	352	10.0	16.3	11.3	2.99	2.79	64.0
393812119425701	.2	646	1.5	17	7.5	914	8.0	14.2	67.7	15.5	6.09	103

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	Alka- linity, wat tit inc tit field, mg/L as CaCO ₃ (39086)	Bicar- bonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)
390802119445301	113	138	.05	5.43	.48	55.8	7.7	197	<.10	<.04	.73	<.008
	--	--	.05	4.83	.46	54.3	7.4	194	E.07	<.04	.69	<.008
390943119474802	111	136	.02	5.23	.18	35.6	3.3	165	<.10	<.04	.89	<.008
391004119433301	119	145	.09	11.5	.9	37.6	33.5	231	.38	.31	<.06	<.008
391014119450701	94	115	E.01	1.28	.07	23.2	6.0	135	<.10	<.04	.22	<.008
391105119481101	--	--	--	--	--	--	--	--	--	--	--	--
	72	88	E.02	2.05	.08	29.8	2.2	120	.49	.43	1.87	.008
391128119415701	101	124	.13	14.0	.42	43.6	63.2	276	<.10	<.04	1.74	<.008
391231119442901	121	148	.10	8.43	.22	38.0	23.1	221	<.10	<.04	2.38	<.008
392231119501901	176	215	.02	11.3	.08	58.6	5.1	252	<.10	<.04	.52	<.008
392414119474701	110	134	E.01	1.75	.07	60.2	2.5	178	<.10	<.04	.38	<.008
392506119462201	105	128	E.01	1.53	.06	64.1	2.8	174	<.10	<.04	.68	<.008
392509119451401	80	98	E.01	6.49	.07	69.6	7.3	177	<.10	<.04	.79	<.008
392614119454501	110	134	E.01	2.77	.06	62.6	3.8	189	<.10	<.04	.98	<.008
392627119481901	--	--	--	--	--	--	--	--	--	--	--	--
	206	251	.05	8.94	<.17	42.5	16.6	301	<.10	<.04	2.13	<.008
	--	--	--	--	--	--	--	--	--	--	--	--
392636119464401	81	99	E.01	7.43	<.2	39.1	6.9	148	<.10	<.04	.77	<.008
	--	--	--	--	--	--	--	--	--	--	--	--
392718119463401	139	170	.03	2.36	<.2	66.1	4.9	223	<.10	<.04	.88	<.008
392809119465901	178	217	.04	3.68	<.2	70.1	11.3	273	<.10	<.04	.69	<.008
392927119475601	114	142	.07	19.6	2.46	82.9	208	563	E.05	<.04	<.06	<.008
393043119504901	130	158	.10	10.8	<.2	32.9	61.9	295	<.10	<.04	2.21	<.008
393045119500501	115	140	.06	12.8	<.2	35.9	42.0	245	<.10	<.04	2.20	<.008
393053119445601	88	107	.03	7.01	.14	38.3	22.2	175	<.10	<.04	1.20	<.008
393105119494001	--	--	--	--	--	--	--	--	--	--	--	--
	103	125	.04	10.8	<.2	28.7	47.4	229	<.10	<.04	1.53	<.008
393108119415101	215	263	.11	31.5	2.71	22.9	138	532	<.10	<.04	<.06	<.008
393127119471101	84	102	.03	7.58	.4	57.1	88.5	287	.12	.11	<.06	<.008
393145119452401	111	135	.04	10.3	<.2	38.0	31.8	218	<.10	<.04	1.09	<.008
	--	--	.05	10.4	<.2	37.8	31.8	215	<.10	<.04	1.08	<.008
393158119454301	85	104	.02	3.33	.2	64.1	61.1	251	.13	.12	<.06	<.008
393203119472801	--	--	<.02	<.20	<.2	<.02	<.2	<.10	<.10	<.04	<.06	<.008
	--	--	--	--	--	--	--	--	--	--	--	--
	137	168	.10	19.2	<.2	35.5	53.8	309	<.10	<.04	3.41	<.008
393231119462901	98	120	.04	16.1	<.2	33.2	43.0	224	<.10	<.04	1.06	<.008
393715119403701	79	97	.08	7.55	.20	37.6	11.6	163	<.10	<.04	1.78	<.008
393739119432101	--	--	<.02	<.20	<.17	<.13	<.2	<.10	<.10	<.04	<.12	<.008
	116	141	.13	14.1	.71	65.1	34.7	281	<.10	<.04	1.99	<.008
393812119425701	170	207	.83	96.0	.51	72.4	104	618	.10	<.04	8.83	<.008

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Colipge F-spec, FAMP, 2-step, pres(1) abs(2) /L (99335)	Colipge som, Ec CN13hst 2-step, pres(1) abs(2) /L (99332)	E coli, MI MF, water, col/ 100 mL (90901)	Total coli-form, MI MF, water, col/ 100 mL (90900)	Alum-inum, water, fltrd, ug/L (01106)	Anti-mony, water, fltrd, ug/L (01095)	Arsen-ate, water, fltrd, ug/L as As (62453)	Arsenic water, fltrd, ug/L (01000)	Arsen-ite, water, fltrd, ug/L as As (62452)	Mono-methyl-arson-ate, wat flt ug/L as As (62454)
390802119445301	.03	.4	2	2	<1	<1	M	<.30	3.3	3.3	<.1	<.1
	.02	E.3	--	--	--	--	<2	<.30	3.3	3.1	<.1	.2
390943119474802	.06	E.3	2	2	<1	<1	<2	<.30	5.2	5.1	<.1	<.1
391004119433301	<.02	.8	2	2	<1	<1	E1	<.30	.7	34.0	29.0	1.2
391014119450701	.12	E.2	2	2	<1	<1	E1	<.30	8.8	8.9	<.1	<.1
391105119481101	--	.7	--	--	<1	<1	2	<.30	--	<.3	--	--
	.15	.4	2	2	<1	<1	<2	<.30	.7	.7	<.1	<.1
391128119415701	.02	.3	2	2	<1	<1	<2	<.30	4.6	4.2	<.1	.1
391231119442901	.10	3.1	2	2	E1	E5	E1	.36	18.4	17.8	<.1	<.1
392231119501901	.05	1.2	2	2	<1	<1	<2	<.30	.5	.5	<.1	<.1
392414119474701	.05	E.2	2	2	<1	<1	<2	<.30	1.1	1.2	<.1	<.1
392506119462201	.06	E.2	2	2	<1	<1	<2	<.30	4.4	4.3	<.1	<.1
392509119451401	.15	.4	2	2	<1	<1	<2	9.52	30.1	29.5	<.1	<.1
392614119454501	.05	E.2	2	2	<1	<1	<2	E.22	4.8	4.8	<.1	<.1
392627119481901	--	E.2	--	--	<1	<1	<2	<.30	--	<.3	--	--
	.04	.5	2	2	<1	E2	<2	.93	13.1	14.7	1.4	<.1
	--	--	--	--	--	--	--	--	32.0	--	20.1	18.7
392636119464401	.05	.6	2	2	<1	<1	4	<.30	1.5	1.3	.2	.2
	--	--	--	--	--	--	--	--	--	--	--	--
392718119463401	.06	E.3	2	2	<1	<1	<2	E.16	4.9	4.1	.2	.4
392809119465901	.06	1.0	2	2	<1	<1	<2	E.19	6.0	5.4	.2	.4
392927119475601	.02	E.2	2	2	<1	<1	6	4.56	58.9	89.1	36.4	<.2
393043119504901	.05	.5	2	2	<1	<1	M	<.30	2.8	2.9	<.1	<.1
393045119500501	.03	.5	2	2	<1	<1	3	<.30	2.5	2.4	<.1	.1
393053119445601	.05	.4	2	2	<1	<1	<2	<.30	17.1	16.8	<.1	<.1
393105119494001	--	E.2	--	--	--	--	<2	<.30	--	16.9	--	--
	E.02	1.1	2	2	<1	<1	3	<.30	1.0	1.0	<.1	.1
393108119415101	.03	E.2	2	2	<1	<1	2	<.30	235	233	.6	<.1
393127119471101	.18	E.2	2	2	<1	<1	2	<.30	44.3	79.2	35.7	.9
393145119452401	.07	.7	2	2	<1	<1	3	E.24	15.3	14.4	<.1	<.1
	.06	.8	--	--	--	--	3	E.23	15.3	14.2	<.1	<.1
393158119454301	.21	.7	2	2	<1	<1	E1	<.30	43.9	97.7	56.0	1.5
393203119472801	<.02	E.3	--	--	--	--	<2	<.30	<.2	<.3	<.1	<.1
	--	--	--	--	--	--	--	--	--	--	--	--
	.06	.5	2	2	<1	<1	6	.51	4.6	4.3	<.1	<.1
393231119462901	.04	.8	2	2	<1	<1	4	.34	4.9	4.8	<.1	.1
393715119403701	.02	<.3	2	2	<1	<1	6	<.30	2.9	3.1	<.1	<.1
393739119432101	<.02	--	--	--	--	--	--	--	<.2	--	<.1	<.1
	.07	<.3	2	2	<1	<1	2	<.30	10.3	10.6	<.1	<.1
393812119425701	.03	1.0	2	2	<1	<1	<2	<.30	9.8	11.0	<.1	<.1

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	Di- methyl- arsin- ate, wat flt ug/L as As (62455)	Barium, water, fltrd, ug/L (01005)	Beryll- ium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chrom- ium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron- (II), water, unfltrd ug/L (99032)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)
390802119445301	<.1	51	<.06	30	<.04	E.4	.07	.8	--	<10	.10	66.4
	<.1	51	<.06	28	<.04	<.8	.08	.6	--	<10	.08	64.6
390943119474802	<.1	14	<.06	11	E.03	<.8	.07	E.1	--	<10	<.08	6.3
391004119433301	1.5	107	<.06	80	E.03	<.8	.07	E.2	M	18	<.08	25.2
391014119450701	<.1	23	<.06	13	E.02	.9	.05	.5	--	<10	.10	5.3
391105119481101	--	M	<.06	<7	<.04	<.8	.02	1.9	--	--	E.07	<.5
	<.1	12	<.06	19	E.02	<.8	.06	.5	--	<10	.16	14.8
391128119415701	<.1	54	<.06	62	<.04	1.0	.14	1.2	--	13	.59	2.8
391231119442901	<.1	53	<.06	26	E.03	<.8	.09	.3	--	<10	<.08	15.0
392231119501901	<.1	119	<.06	7	<.04	E.5	.06	1.8	--	<10	.29	E.3
392414119474701	<.1	52	<.06	12	<.04	1.3	.03	.7	--	<10	E.06	2.3
392506119462201	<.1	61	<.06	25	<.04	1.2	.03	.5	--	<10	.25	9.2
392509119451401	<.1	50	<.06	190	<.04	<.8	.02	1.2	--	<10	1.60	225
392614119454501	<.1	75	<.06	107	<.04	1.1	.03	.6	--	69	.08	5.2
392627119481901	--	<.050	<.06	<7	<.04	<.8	<.01	<.2	--	--	<.08	<.5
	<.1	191	<.06	62	<.04	<.8	.13	2.5	--	E7	.36	17.9
	18.9	--	--	--	--	--	--	--	--	--	--	--
392636119464401	<.1	42	<.06	27	<.04	E.6	.07	1.7	--	28	.47	2.7
	--	--	--	--	--	--	--	--	--	--	--	--
392718119463401	.1	96	<.06	22	<.04	1.3	.05	.7	--	<8	.26	7.5
392809119465901	.1	177	<.06	22	<.04	1.7	.07	.8	--	<8	2.34	8.8
392927119475601	<.2	21	<.06	997	.06	<.8	.03	1.3	--	E9	.30	96.4
393043119504901	<.1	48	<.06	27	<.04	.8	.12	1.4	--	<8	.16	1.3
393045119500501	<.1	46	<.06	29	<.04	E.7	.07	.6	--	E6	.30	1.3
393053119445601	<.1	24	<.06	104	<.04	<.8	.04	1.7	--	<10	1.02	1.2
	--	24	<.06	114	<.04	<.8	.06	2.1	--	--	1.43	1.2
393105119494001	<.1	38	<.06	23	<.04	E.7	.10	1.7	--	<8	.40	1.1
393108119415101	<.1	22	<.06	1320	<.04	<.8	.03	.9	--	<10	<.08	65.5
393127119471101	1.5	21	<.06	283	E.03	<.8	.02	.4	--	57	E.07	17.2
393145119452401	<.1	32	<.06	102	<.04	E.6	.07	3.1	--	<8	.23	3.3
	<.1	32	<.06	92	<.04	E.6	.07	3.0	--	<8	.23	3.2
393158119454301	2.4	62	<.06	202	E.03	<.8	.04	.3	--	12	.08	52.6
393203119472801	<.1	M	<.06	<7	<.04	<.8	<.01	E.1	--	<8	<.08	<.5
	--	--	--	--	--	--	--	--	--	--	--	--
	<.1	64	<.06	37	<.04	1.0	.10	.7	--	E4	.37	4.7
393231119462901	<.1	48	<.06	35	<.04	E.7	.08	1.3	--	<8	.11	4.6
393715119403701	<.1	11	<.06	43	<.04	3.1	E.01	.2	--	<10	E.07	3.0
393739119432101	<.1	--	--	--	--	--	--	--	--	<10	--	--
	<.1	54	<.06	450	.04	<.8	.02	1.6	--	<10	.18	1.4
393812119425701	<.1	102	<.06	483	E.02	E.6	.13	1.2	--	<10	.26	4.4

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	Mangan- ese, water, fltrd, ug/L (01056)	Molyb- denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selen- ium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Stront- ium, water, fltrd, ug/L (01080)	Thall- ium, water, fltrd, ug/L (01057)	Vanad- ium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Di- ethyl- aniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto- chlor, water, fltrd, ug/L (49260)
390802119445301	E.2	1.4	.45	E.3	<.20	358	<.04	9.4	39	<.006	<.006	<.006
	E.2	1.4	.49	<.5	<.20	358	<.04	8.8	37	<.006	<.006	<.006
390943119474802	.6	3.8	.32	<.5	<.20	247	<.04	3.6	<1	<.006	<.006	<.006
391004119433301	124	14.1	1.00	<.5	<.20	405	<.04	<.1	2	<.006	<.006	<.006
391014119450701	1.2	4.5	.60	<.5	M	190	<.04	12.5	2	<.006	<.006	<.006
391105119481101	3.1	<.3	.88	<.5	<.20	1.57	<.04	E.1	3	--	--	--
	.6	.4	.29	<.5	<.20	124	<.04	3.5	6	<.006	<.006	<.006
391128119415701	1.3	3.5	.20	.7	<.20	367	<.04	18.9	47	<.006	<.006	<.006
391231119442901	44.4	11.9	1.45	.6	<.20	298	<.04	13.2	<1	<.006	<.006	<.006
392231119501901	<.2	.9	1.15	<.5	<.20	351	<.04	10.9	10	<.006	E.007	<.006
392414119474701	.4	1.9	.65	<.5	<.20	173	<.04	12.4	2	<.006	<.006	<.006
392506119462201	.4	1.9	.65	<.5	<.20	177	<.04	10.7	3	<.006	<.006	<.006
392509119451401	.6	.5	.07	<.5	<.20	77.2	E.03	2.9	2	--	--	--
392614119454501	2.9	1.3	.59	<.5	<.20	182	<.04	14.8	M	<.006	<.006	<.006
392627119481901	<.2	<.3	<.06	<.5	<.20	<.20	<.04	<.1	<1	--	--	--
	25.7	2.3	.79	E.4	<.20	1150	<.04	3.4	26	<.006	<.006	<.006
	--	--	--	--	--	--	--	--	--	.101	E.028	.131
392636119464401	2.7	1.1	.61	<.5	<.20	195	<.04	3.8	2	<.006	<.006	<.006
	--	--	--	--	--	--	--	--	--	.130	E.055	.147
392718119463401	<.2	1.7	.37	<.5	<.20	268	<.04	12.7	M	<.006	<.006	<.006
392809119465901	.3	1.3	.49	<.5	<.20	346	<.04	14.3	2	<.006	<.006	<.006
392927119475601	18.9	29.7	.49	.5	<.20	121	E.03	2.8	2	<.006	<.006	<.006
393043119504901	.3	1.4	1.12	.6	<.20	372	<.04	4.5	2	<.006	<.006	<.006
393045119500501	<.2	1.6	1.06	.7	<.20	377	<.04	4.5	M	<.006	<.006	<.006
393053119445601	24.1	2.6	.69	<.5	<.20	181	<.04	3.4	2	<.006	E.004	<.006
	24.0	2.8	.70	<.5	<.20	183	<.04	3.5	3	--	--	--
393105119494001	.4	1.0	.88	E.3	<.20	376	<.04	2.7	1	<.006	<.006	<.006
393108119415101	13.7	6.2	.12	<.5	<.20	342	<.04	3.6	12	<.006	<.006	<.006
393127119471101	61.5	12.4	.20	<.5	<.20	46.7	<.04	.2	<1	<.006	<.006	<.006
393145119452401	E.1	2.8	.79	<.5	<.20	225	<.04	4.7	3	<.006	E.005	<.006
	E.1	2.7	.80	E.3	<.20	226	<.04	4.7	3	<.006	E.004	<.006
393158119454301	218	11.5	.61	<.5	<.20	441	<.04	.2	1	<.006	<.006	<.006
393203119472801	<.2	<.3	<.06	<.5	<.20	<.20	<.04	<.1	<1	<.006	<.006	<.006
	--	--	--	--	--	--	--	--	--	--	--	--
	E.1	1.6	.65	.7	<.20	416	<.04	3.9	2	<.006	E.006	<.006
393231119462901	.3	1.4	.96	1.0	<.20	307	<.04	4.3	1	<.006	E.008	<.006
393715119403701	.8	4.9	.23	E.4	<.20	98.9	<.04	44.1	1	<.006	<.006	<.006
393739119432101	<2.0	--	--	--	--	--	--	--	--	<.006	<.006	<.006
	E.1	23.8	.41	E.4	<.20	139	<.04	52.4	2	<.006	<.006	<.006
393812119425701	.6	14.2	2.13	1.3	<.20	673	<.04	35.3	3	<.006	E.009	<.006

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	Ala-chlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	^a alpha-HCH-d6, surrog, wat flt 0.7u GF percent recovry (91065)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl, water, fltrd 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd 0.7u GF ug/L (82673)	Butyl-ate, water, fltrd, ug/L (04028)	Car-baryl, water, fltrd 0.7u GF ug/L (82680)	Carbo-furan, water, fltrd 0.7u GF ug/L (82674)	Chlor-pyrifos water, fltrd, ug/L (38933)	cis-Per-methrin water fltrd 0.7u GF ug/L (82687)	Cyana-zine, water, fltrd, ug/L (04041)
390802119445301	<.004	<.005	103	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
	<.004	<.005	91.4	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
390943119474802	<.004	<.005	83.3	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
391004119433301	<.004	<.005	100	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
391014119450701	<.004	<.005	98.2	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
391105119481101	--	--	--	--	--	--	--	--	--	--	--	--
	<.004	<.005	97.2	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
391128119415701	<.004	<.005	90.2	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
391231119442901	<.004	<.005	91.4	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
392231119501901	<.004	<.005	93.0	E.003	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
392414119474701	<.004	<.005	87.3	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
392506119462201	<.004	<.005	95.6	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
392509119451401	--	--	--	--	--	--	--	--	--	--	--	--
392614119454501	<.004	<.005	100	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
392627119481901	--	--	--	--	--	--	--	--	--	--	--	--
	<.004	<.005	88.5	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
	.120	.122	95.5	.105	E.127	.093	E.114	E.123	E.113	.116	.074	.094
392636119464401	<.004	<.005	100	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
	.123	.130	102	.121	E.132	.110	.124	E.133	E.159	.127	.101	.145
392718119463401	<.004	<.005	105	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
392809119465901	<.004	<.005	100	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
392927119475601	<.004	<.005	89.3	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
393043119504901	<.004	<.005	102	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
393045119500501	<.004	<.005	81.2	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
393053119445601	<.004	<.005	104	E.002	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
393105119494001	--	--	--	--	--	--	--	--	--	--	--	--
	<.004	<.005	100	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
393108119415101	<.004	<.005	96.4	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
393127119471101	<.004	<.005	105	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
393145119452401	<.004	<.005	88.6	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
	<.004	<.005	91.8	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
393158119454301	<.004	<.005	95.4	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
393203119472801	<.004	<.005	95.5	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
	--	--	--	--	--	--	--	--	--	--	--	--
	<.004	<.005	95.6	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
393231119462901	<.004	<.005	101	E.004	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
393715119403701	<.004	<.005	87.5	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
393739119432101	<.004	<.005	86.2	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
	<.004	<.005	101	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018
393812119425701	<.004	<.005	83.7	.009	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	DCPA, water fltrd 0.7u GF (82682)	Desulf- inyl fipro- nil, water, fltrd, ug/L (62170)	Diazi- non, water, fltrd, ug/L (39572)	^a Diazi- non-d10 surrog. wat flt 0.7u GF percent recovry (91063)	Diel- drin, water, fltrd, ug/L (39381)	Disul- foton, water, fltrd 0.7u GF (82677)	EPTC, water, fltrd 0.7u GF (82668)	Ethal- flur- alin, water, fltrd 0.7u GF (82663)	Etho- prop, water, fltrd 0.7u GF (82672)	Desulf- inyl- fipro- nil amide, wat flt ug/L (62169)	Fipro- nil sulfide water, fltrd, ug/L (62167)	Fipro- nil sulfone water, fltrd, ug/L (62168)
390802119445301	<.003	<.004	<.005	105	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
	<.003	<.004	<.005	103	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
390943119474802	<.003	<.004	<.005	108	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
391004119433301	<.003	<.004	<.005	117	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
391014119450701	<.003	<.004	<.005	124	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
391105119481101	--	--	--	--	--	--	--	--	--	--	--	--
	<.003	<.004	<.005	108	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
391128119415701	<.003	<.004	<.005	106	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
391231119442901	<.003	<.004	<.005	118	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
392231119501901	<.003	<.004	<.005	97.2	<.005	<.02	<.002	<.009	<.005	E.004	<.005	<.005
392414119474701	<.003	<.004	<.005	106	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
392506119462201	<.003	<.004	<.005	105	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
392509119451401	--	--	--	--	--	--	--	--	--	--	--	--
392614119454501	<.003	<.004	<.005	5.8	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
392627119481901	--	--	--	--	--	--	--	--	--	--	--	--
	<.003	<.004	<.005	112	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
	.118	<.004	.128	129	.107	.04	.092	.107	.096	<.009	<.005	<.005
392636119464401	<.003	<.004	<.005	109	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
	.141	<.004	.136	116	.138	.03	.116	.138	.120	<.009	<.005	<.005
392718119463401	<.003	<.004	<.005	107	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
392809119465901	<.003	<.004	<.005	101	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
392927119475601	<.003	<.004	<.005	109	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
393043119504901	<.003	<.004	<.005	96.4	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
393045119500501	<.003	<.004	<.005	89.3	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
393053119445601	<.003	<.004	<.005	117	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
393105119494001	--	--	--	--	--	--	--	--	--	--	--	--
	<.003	<.004	<.005	100	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
393108119415101	<.003	<.004	<.005	111	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
393127119471101	<.003	<.004	<.005	109	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
393145119452401	<.003	<.004	<.005	93.9	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
	<.003	<.004	<.005	97.3	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
393158119454301	<.003	<.004	<.005	111	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
393203119472801	<.003	<.004	<.005	112	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
	--	--	--	--	--	--	--	--	--	--	--	--
	<.003	<.004	<.005	98.2	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
393231119462901	<.003	<.004	<.005	107	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
393715119403701	<.003	<.004	<.005	104	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
393739119432101	<.003	<.004	<.005	122	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
	<.003	<.004	<.005	113	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005
393812119425701	<.003	<.004	<.005	114	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF (82666)	Mala- thion, water, fltrd, ug/L (39532)	Methyl para- thion, water, fltrd 0.7u GF (82667)	Metola- chlor, water, fltrd, ug/L (39415)	Metri- buzin, water, fltrd, ug/L (82630)	Moli- nate, water, fltrd 0.7u GF (82671)	Naprop- amide, water, fltrd 0.7u GF (82684)	p,p'- DDE, water, fltrd, ug/L (34653)	Para- thion, water, fltrd, ug/L (39542)
390802119445301	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
390943119474802	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.004	<.007	<.003	<.010
391004119433301	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
391014119450701	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
391105119481101	--	--	--	--	--	--	--	--	--	--	--	--
	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
391128119415701	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
391231119442901	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.005	<.007	<.003	<.010
392231119501901	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
392414119474701	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
392506119462201	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.004	<.007	E.002	<.010
392509119451401	--	--	--	--	--	--	--	--	--	--	--	--
392614119454501	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
392627119481901	--	--	--	--	--	--	--	--	--	--	--	--
	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
	<.007	.122	.119	.145	.113	.116	.114	.086	.096	.093	.075	.107
392636119464401	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
	<.007	.122	.144	.120	.148	.117	.152	.116	.124	.136	.098	.136
392718119463401	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
392809119465901	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
392927119475601	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
393043119504901	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
393045119500501	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
393053119445601	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
393105119494001	--	--	--	--	--	--	--	--	--	--	--	--
	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
393108119415101	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
393127119471101	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
393145119452401	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
393158119454301	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
393203119472801	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
	--	--	--	--	--	--	--	--	--	--	--	--
	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
393231119462901	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
393715119403701	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
393739119432101	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010
393812119425701	<.007	<.003	<.004	<.035	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	Peb- ulate, water, fltrd 0.7u GF ug/L (82669)	Pendi- meth- alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water, fltrd 0.7u GF ug/L (82664)	Prome- ton, water, fltrd 0.7u GF ug/L (04037)	Pron- amide, water, fltrd 0.7u GF ug/L (82676)	Propa- chlor, water, fltrd 0.7u GF ug/L (04024)	Pro- panil, water, fltrd 0.7u GF ug/L (82679)	Propar- gite, water, fltrd 0.7u GF ug/L (82685)	Sima- zine, water, fltrd 0.7u GF ug/L (04035)	Tebu- thiuron water, fltrd 0.7u GF ug/L (82670)	Terba- cil, water, fltrd 0.7u GF ug/L (82665)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)
390802119445301	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
390943119474802	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
391004119433301	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
391014119450701	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
391105119481101	--	--	--	--	--	--	--	--	--	--	--	--
	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
391128119415701	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
391231119442901	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
392231119501901	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
392414119474701	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
392506119462201	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
392509119451401	--	--	--	--	--	--	--	--	--	--	--	--
392614119454501	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
392627119481901	--	--	--	--	--	--	--	--	--	--	--	--
	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
	.101	.087	.081	.12	.111	.121	.117	.10	.090	.11	E.066	.09
392636119464401	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
	.121	.132	.098	.15	.126	.142	.125	E.17	.103	.14	E.116	.10
392718119463401	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
392809119465901	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
392927119475601	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
393043119504901	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
393045119500501	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
393053119445601	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
393105119494001	--	--	--	--	--	--	--	--	--	--	--	--
	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
393108119415101	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
393127119471101	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
393145119452401	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
393158119454301	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
393203119472801	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
	--	--	--	--	--	--	--	--	--	--	--	--
	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
393231119462901	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
393715119403701	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
393739119432101	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.010	<.02	<.034	<.02
	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.010	<.02	<.034	<.02
393812119425701	<.004	<.022	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	Thio- bencarb water fltrd 0.7u GF ug/L (82681)	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2 -Tetra- chloro- ethane, water, unfltrd ug/L (77562)	1,1,1- Tri- chloro- ethane, water, unfltrd ug/L (34506)	1,1,2,2 -Tetra- chloro- ethane, water, unfltrd ug/L (34516)	CFC-113 water unfltrd ug/L (77652)	1,1,2- Tri- chloro- ethane, water, unfltrd ug/L (34511)	1,1-Di- chloro- ethane, water, unfltrd ug/L (34496)	1,1-Di- chloro- ethene, water, unfltrd ug/L (34501)	1,1-Di- chloro- propene water unfltrd ug/L (77168)	1,2,3,4 Tetra- methyl- benzene water unfltrd ug/L (49999)
390802119445301	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2
	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2
390943119474802	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2
391004119433301	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2
391014119450701	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2
391105119481101	--	--	--	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2
	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2
391128119415701	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06	E.02	E.01	<.05	<.2
391231119442901	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2
392231119501901	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2
392414119474701	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2
392506119462201	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2
392509119451401	--	--	--	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2
392614119454501	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2
392627119481901	--	--	--	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2
	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2
	.116	.114	.096	.45	.47	1.12	.48	.54	.66	.49	.65	1.9
392636119464401	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2
	.135	.126	.095	--	--	--	--	--	--	--	--	--
392718119463401	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2
392809119465901	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2
392927119475601	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2
393043119504901	<.005	<.002	<.009	<.03	E.04	<.09	<.06	<.06	<.04	E.08	<.05	<.2
393045119500501	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2
393053119445601	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2
	--	--	--	--	--	--	--	--	--	--	--	--
393105119494001	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2
393108119415101	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2
393127119471101	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2
393145119452401	<.005	<.002	<.009	<.03	E.02	<.09	<.06	<.06	E.03	<.04	<.05	<.2
	<.005	<.002	<.009	<.03	E.02	<.09	<.06	<.06	E.02	<.04	<.05	<.2
393158119454301	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2
393203119472801	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2
	--	--	--	--	--	--	--	--	--	--	--	--
	<.005	<.002	<.009	<.03	E.04	<.09	<.06	<.06	<.04	E.06	<.05	<.2
393231119462901	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2
393715119403701	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2
393739119432101	<.005	<.002	<.009	--	--	--	--	--	--	--	--	--
	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2
393812119425701	<.005	<.002	<.009	<.03	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	1,2,3,5 Tetra- methyl- benzene water unfltrd ug/L (50000)	1,2,3- Tri- chloro- benzene water unfltrd ug/L (77613)	1,2,3- Tri- chloro- propane water unfltrd ug/L (77443)	1,2,3- Tri- methyl- benzene water unfltrd ug/L (77221)	1,2,4- Tri- chloro- benzene water unfltrd ug/L (34551)	1,2,4- Tri- methyl- benzene water unfltrd ug/L (77222)	Dibromo chloro- propane water unfltrd ug/L (82625)	1,2-Di- bromo- ethane, water, unfltrd ug/L (77651)	1,2-Di- chloro- benzene water unfltrd ug/L (34536)	1,2-Di- chloro- ethane, water, unfltrd ug/L (32103)	^a 1,2-Di- chloro- ethane- d4, sur Sch2090 wat unf pct rcv (99832)	1,2-Di- chloro- propane water unfltrd ug/L (34541)
390802119445301	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1	102	<.03
	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1	101	<.03
390943119474802	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1	108	<.03
391004119433301	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1	110	<.03
391014119450701	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1	107	<.03
391105119481101	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1	100	<.03
	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1	109	<.03
391128119415701	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1	114	<.03
391231119442901	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1	114	<.03
392231119501901	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1	109	<.03
392414119474701	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1	108	<.03
392506119462201	<.2	<.3	<.16	<.1	<.1	E.01	<.5	<.04	<.03	<.1	103	<.03
392509119451401	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1	103	<.03
392614119454501	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1	102	<.03
392627119481901	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1	104	<.03
	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1	102	<.03
	1.9	1.9	2.49	1.0	1.3	.52	3.9	.44	.43	1.9	101	.65
392636119464401	<.2	<.3	<.16	<.1	<.1	.15	<.5	<.04	<.03	<.1	110	<.03
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392718119463401	<.2	<.3	<.16	<.1	<.1	E.06	<.5	<.04	<.03	<.1	114	<.03
392809119465901	<.2	<.3	<.16	<.1	<.1	.12	<.5	<.04	<.03	<.1	109	<.03
392927119475601	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1	102	<.03
393043119504901	<.2	<.3	<.16	<.1	<.1	E.03	<.5	<.04	<.03	<.1	133	<.03
393045119500501	<.2	<.3	<.16	<.1	<.1	E.04	<.5	<.04	<.03	<.1	114	<.03
393053119445601	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1	108	<.03
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393105119494001	<.2	<.3	<.16	<.1	<.1	E.03	<.5	<.04	<.03	<.1	129	<.03
393108119415101	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1	110	<.03
393127119471101	<.2	<.3	<.16	<.1	<.1	E.02	<.5	<.04	<.03	<.1	144	<.03
393145119452401	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1	129	<.03
	<.2	<.3	<.16	<.1	<.1	E.04	<.5	<.04	<.03	<.1	128	<.03
393158119454301	<.2	<.3	<.16	<.1	<.1	E.04	<.5	<.04	<.03	<.1	144	<.03
393203119472801	<.2	<.3	<.16	<.1	<.1	E.04	<.5	<.04	<.03	<.1	96.1	<.03
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	<.2	<.3	<.16	<.1	<.1	E.03	<.5	<.04	<.03	<.1	102	<.03
393231119462901	<.2	<.3	<.16	<.1	<.1	E.04	<.5	<.04	<.03	<.1	110	<.03
393715119403701	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1	99.0	<.03
393739119432101	--	--	--	--	--	--	--	--	--	--	--	--
	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1	103	<.03
393812119425701	<.2	<.3	<.16	<.1	<.1	<.06	<.5	<.04	<.03	<.1	105	<.03

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	1,3,5-Tri-methyl-benzene water unfltrd ug/L (77226)	1,3-Di-chloro-benzene water unfltrd ug/L (34566)	1,3-Di-chloro-propane water unfltrd ug/L (77173)	1,4-Di-chloro-benzene water unfltrd ug/L (34571)	^a 14Bromo fluoro-benzene surrog. VOC Sch wat unfltrd pct rcv (99834)	2,2-Di-chloro-propane water unfltrd ug/L (77170)	2-Chloro-toluene water unfltrd ug/L (77275)	2-Ethyl-toluene water unfltrd ug/L (77220)	3-Chloro-propene water unfltrd ug/L (78109)	4-Chloro-toluene water unfltrd ug/L (77277)	4-Iso-propyl-toluene water unfltrd ug/L (77356)	Acetone water unfltrd ug/L (81552)
390802119445301	<.04	<.03	<.1	<.05	88.0	<.05	<.04	<.06	<.12	<.05	<.12	<7
	<.04	<.03	<.1	<.05	82.2	<.05	<.04	<.06	<.12	<.05	<.12	<7
390943119474802	<.04	<.03	<.1	<.05	97.8	<.05	<.04	<.06	<.12	<.05	<.12	<7
391004119433301	<.04	<.03	<.1	<.05	83.8	<.05	<.04	<.06	<.12	<.05	<.12	<7
391014119450701	<.04	<.03	<.1	<.05	80.0	<.05	<.04	<.06	<.12	<.05	<.12	<7
391105119481101	<.04	<.03	<.1	<.05	94.7	<.05	<.04	<.06	<.12	<.05	<.12	<7
	<.04	<.03	<.1	<.05	90.7	<.05	<.04	<.06	<.12	<.05	<.12	<7
391128119415701	<.04	<.03	<.1	<.05	90.1	<.05	<.04	<.06	<.12	<.05	<.12	<7
391231119442901	<.04	<.03	<.1	<.05	92.0	<.05	<.04	<.06	<.12	<.05	<.12	<7
392231119501901	<.04	<.03	<.1	<.05	74.2	<.05	<.04	<.06	<.12	<.05	<.12	<7
392414119474701	<.04	<.03	<.1	<.05	95.5	<.05	<.04	<.06	<.12	<.05	<.12	<7
392506119462201	<.04	<.03	<.1	<.05	89.1	<.05	<.04	<.06	<.12	<.05	<.12	<7
392509119451401	<.04	<.03	<.1	<.05	85.2	<.05	<.04	<.06	<.12	<.05	<.12	<7
392614119454501	<.04	<.03	<.1	<.05	86.4	<.05	<.04	<.06	<.12	<.05	<.12	<7
392627119481901	<.04	<.03	<.1	<.05	94.5	<.05	<.04	<.06	<.12	<.05	<.12	<7
	<.04	<.03	<.1	<.05	91.1	<.05	<.04	<.06	<.12	<.05	<.12	<7
	.44	.42	1.1	.42	94.0	.71	.44	.79	1.44	.51	.83	78
392636119464401	<.04	<.03	<.1	<.05	96.5	<.05	<.04	<.06	<.12	<.05	<.12	<7
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392718119463401	<.04	<.03	<.1	<.05	101	<.05	<.04	<.06	<.12	<.05	<.12	<7
392809119465901	<.04	<.03	<.1	<.05	98.2	<.05	<.04	<.06	<.12	<.05	<.12	<7
392927119475601	<.04	<.03	<.1	<.05	92.1	<.05	<.04	<.06	<.12	<.05	<.12	<7
393043119504901	<.04	<.03	<.1	<.05	80.5	<.05	<.04	<.06	<.12	<.05	<.12	<7
393045119500501	<.04	<.03	<.1	<.05	72.7	<.05	<.04	<.06	<.12	<.05	<.12	<7
393053119445601	<.04	<.03	<.1	<.05	95.5	<.05	<.04	<.06	<.12	<.05	<.12	<7
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393105119494001	<.04	<.03	<.1	<.05	77.9	<.05	<.04	<.06	<.12	<.05	<.12	<7
393108119415101	<.04	<.03	<.1	<.05	91.2	<.05	<.04	<.06	<.12	<.05	<.12	<7
393127119471101	<.04	<.03	<.1	<.05	83.7	<.05	<.04	<.06	<.12	<.05	<.12	<7
393145119452401	<.04	<.03	<.1	<.05	109	<.05	<.04	<.06	<.12	<.05	<.12	<7
	<.04	<.03	<.1	<.05	109	<.05	<.04	<.06	<.12	<.05	<.12	<7
393158119454301	<.04	<.03	<.1	<.05	82.7	<.05	<.04	<.06	<.12	<.05	<.12	<7
393203119472801	<.04	<.03	<.1	<.05	92.9	<.05	<.04	<.06	<.12	<.05	<.12	E2
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	<.04	<.03	<.1	<.05	93.3	<.05	<.04	<.06	<.12	<.05	<.12	<7
393231119462901	<.04	<.03	<.1	<.05	77.1	<.05	<.04	<.06	<.12	<.05	<.12	<7
393715119403701	<.04	<.03	<.1	<.05	92.8	<.05	<.04	<.06	<.12	<.05	<.12	<7
393739119432101	--	--	--	--	--	--	--	--	--	--	--	--
	<.04	<.03	<.1	<.05	67.4	<.05	<.04	<.06	<.12	<.05	<.12	<7
393812119425701	<.04	<.03	<.1	<.05	66.0	<.05	<.04	<.06	<.12	<.05	<.12	<7

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	Acrylo- nitrile water unfltrd ug/L (34215)	Benzene water unfltrd ug/L (34030)	Bromo- benzene water unfltrd ug/L (81555)	Bromo- chloro- methane water unfltrd ug/L (77297)	Bromo- di- chloro- methane water unfltrd ug/L (32101)	Bromo- ethene, water, unfltrd ug/L (50002)	Bromo- methane water unfltrd ug/L (34413)	Carbon di- sulfide water unfltrd ug/L (77041)	Chloro- benzene water unfltrd ug/L (34301)	Chloro- ethane, water, unfltrd ug/L (34311)	Chloro- methane water unfltrd ug/L (34418)	cis- 1,2-Di- chloro- ethene, water, unfltrd ug/L (77093)
390802119445301	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04
	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04
390943119474802	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04
391004119433301	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<1.2	<.2	<.04
391014119450701	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04
391105119481101	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04
	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04
391128119415701	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04
391231119442901	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04
392231119501901	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04
392414119474701	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04
392506119462201	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04
392509119451401	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04
392614119454501	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04
392627119481901	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04
	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04
	24	.51	.43	1.81	.46	2.0	E4.3	.58	.46	1.2	E3.2	.46
392636119464401	<1	<.04	<.04	<.12	3.85	<.1	<.3	<.07	<.03	<.1	<.2	<.04
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392718119463401	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04
392809119465901	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04
392927119475601	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04
393043119504901	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04
393045119500501	<1	<.04	<.04	<.12	2.58	<.1	<.3	<.07	<.03	<.1	<.2	<.04
393053119445601	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04
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393105119494001	<1	<.04	<.04	<.12	3.41	<.1	<.3	<.07	<.03	<.1	<.2	<.04
393108119415101	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04
393127119471101	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04
393145119452401	<1	<.04	<.04	<.12	2.47	<.1	<.3	<.07	<.03	<.1	<.2	<.04
	<1	<.04	<.04	<.12	2.47	<.1	<.3	<.07	<.03	<.1	<.2	<.04
393158119454301	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04
393203119472801	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04
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	<1	<.04	<.04	<.12	4.62	<.1	<.3	<.07	<.03	<.1	<.2	<.04
393231119462901	<1	<.04	<.04	<.12	11.0	<.1	<.3	<.07	<.03	<.1	<.2	<.04
393715119403701	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04
393739119432101	--	--	--	--	--	--	--	--	--	--	--	--
	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04
393812119425701	<1	<.04	<.04	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	cis- 1,3-Di- chloro- propene water unfltrd ug/L (34704)	Di- bromo- chloro- methane water unfltrd ug/L (32105)	Di- bromo- methane water unfltrd ug/L (30217)	Di- chloro- di- fluoro- methane water unfltrd ug/L (34668)	Di- chloro- methane water unfltrd ug/L (34423)	Di- ethyl ether, water, unfltrd ug/L (81576)	Diiso- propyl ether, water, unfltrd ug/L (81577)	Ethyl methac- rylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethyl- benzene water unfltrd ug/L (34371)	Hexa- chloro- buta- diene, water, unfltrd ug/L (39702)	Hexa- chloro- ethane, water, unfltrd ug/L (34396)
390802119445301	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
390943119474802	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
391004119433301	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
391014119450701	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
391105119481101	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
391128119415701	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
391231119442901	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
392231119501901	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
392414119474701	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
392506119462201	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
392509119451401	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
392614119454501	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
392627119481901	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
	.77	1.6	.47	E5.01	1.6	1.5	.84	2.4	37.9	.46	.9	1.6
392636119464401	<.09	.8	<.05	<.18	M	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
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392718119463401	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
392809119465901	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
392927119475601	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
393043119504901	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
393045119500501	<.09	.5	<.05	<.18	M	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
393053119445601	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
	--	--	--	--	--	--	--	--	--	--	--	--
393105119494001	<.09	.5	<.05	<.18	M	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
393108119415101	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
393127119471101	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
393145119452401	<.09	2.0	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
	<.09	2.1	E.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
393158119454301	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
393203119472801	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	E.01	<.1	<.2
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	<.09	4.1	E.08	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
393231119462901	<.09	7.0	E.06	<.18	M	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
393715119403701	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
393739119432101	--	--	--	--	--	--	--	--	--	--	--	--
	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2
393812119425701	<.09	<.2	<.05	<.18	<.2	<.2	<.10	<.2	<5.0	<.03	<.1	<.2

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	Iodo- methane water unfltrd ug/L (77424)	Iso- butyl methyl ketone, water, unfltrd ug/L (78133)	Iso- propyl- benzene water unfltrd ug/L (77223)	Meth- acrylo- nitrile water unfltrd ug/L (81593)	Methyl acryl- ate, water, unfltrd ug/L (49991)	Methyl methac- rylate, water, unfltrd ug/L (81597)	Methyl tert- pentyl ether, water, unfltrd ug/L (50005)	meta- + para- Xylene, water, unfltrd ug/L (85795)	Naphth- alene, water, unfltrd ug/L (34696)	Methyl n-butyl ketone, water, unfltrd ug/L (77103)	n-Butyl benzene water unfltrd ug/L (77342)	n- propyl- benzene water unfltrd ug/L (77224)
390802119445301	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
390943119474802	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
391004119433301	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
391014119450701	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
391105119481101	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
391128119415701	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
391231119442901	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
392231119501901	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
392414119474701	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
392506119462201	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
392509119451401	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
392614119454501	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
392627119481901	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
392636119464401	E2.63	4.3	.44	9.6	24.3	6.0	.95	1.04	3.5	6.4	1.3	.42
	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
	--	--	--	--	--	--	--	--	--	--	--	--
392718119463401	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
392809119465901	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
392927119475601	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
393043119504901	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
393045119500501	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
393053119445601	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
	--	--	--	--	--	--	--	--	--	--	--	--
393105119494001	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
393108119415101	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
393127119471101	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
393145119452401	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
393158119454301	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
393203119472801	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	E.03	<.5	<.7	<.2	<.04
	--	--	--	--	--	--	--	--	--	--	--	--
	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
393231119462901	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
393715119403701	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
393739119432101	--	--	--	--	--	--	--	--	--	--	--	--
	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04
393812119425701	<.35	<.4	<.06	<.6	<2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	o- Xylene, water, unfltrd ug/L (77135)	sec- Butyl- benzene water unfltrd ug/L (77350)	Styrene water unfltrd ug/L (77128)	t-Butyl ethyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)	tert- Butyl- benzene water unfltrd ug/L (77353)	Tetra- chloro- ethene, water, unfltrd ug/L (34475)	Tetra- chloro- methane water unfltrd ug/L (32102)	Tetra- hydro- furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	^a Toluene -d8, surrog, Sch2090 wat unf percent recovry (99833)	trans- 1,2-Di- chloro- ethene, water, unfltrd ug/L (34546)
390802119445301	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	97.2	<.03
	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	94.7	<.03
390943119474802	<.07	<.06	<.04	<.05	<.2	<.10	E.03	<.06	<2	<.05	102	<.03
391004119433301	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	98.9	<.03
391014119450701	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	101	<.03
391105119481101	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	E.01	97.3	<.03
	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	E2	<.05	98.9	<.03
391128119415701	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	101	<.03
391231119442901	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	E1	<.05	103	<.03
392231119501901	<.07	<.06	<.04	<.05	E.1	<.10	<.03	<.06	<2	<.05	101	<.03
392414119474701	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	97.3	<.03
392506119462201	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	97.3	<.03
392509119451401	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	97.6	<.03
392614119454501	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	98.0	<.03
392627119481901	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	98.9	<.03
	<.07	<.06	<.04	<.05	<.2	<.10	E.03	<.06	<2	<.05	97.3	<.03
	.58	.43	.15	.42	1.8	.86	.96	.86	19	.46	100	.45
392636119464401	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	96.8	<.03
	--	--	--	--	--	--	--	--	--	--	--	--
392718119463401	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	98.8	<.03
392809119465901	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	97.7	<.03
392927119475601	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	98.9	<.03
393043119504901	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	103	<.03
393045119500501	<.07	<.06	<.04	<.05	<.2	<.10	E.04	<.06	<2	<.05	94.7	<.03
393053119445601	<.07	<.06	<.04	<.05	<.2	<.10	E.08	<.06	<2	<.05	97.2	<.03
	--	--	--	--	--	--	--	--	--	--	--	--
393105119494001	<.07	<.06	<.04	<.05	<.2	<.10	.40	<.06	<2	<.05	99.3	<.03
393108119415101	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	99.1	<.03
393127119471101	<.07	<.06	<.04	<.05	<.2	<.10	.11	<.06	<2	<.05	104	<.03
393145119452401	<.07	<.06	<.04	<.05	E.1	<.10	E.10	<.06	<2	<.05	102	<.03
	<.07	<.06	<.04	<.05	E.1	<.10	E.10	<.06	<2	<.05	102	<.03
393158119454301	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	104	<.03
393203119472801	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	E.01	95.6	<.03
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	<.07	<.06	<.04	<.05	<.2	<.10	.66	<.06	<2	<.05	96.4	<.03
393231119462901	<.07	<.06	<.04	<.05	<.2	<.10	.12	<.06	<2	<.05	94.8	<.03
393715119403701	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	98.1	<.03
393739119432101	--	--	--	--	--	--	--	--	--	--	--	--
	<.07	<.06	<.04	<.05	<.2	<.10	<.03	<.06	<2	<.05	84.9	<.03
393812119425701	<.07	<.06	<.04	<.05	<.2	<.10	E.01	<.06	<2	<.05	84.1	<.03

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	trans- 1,3-Di- chloro- propene water unfltrd ug/L (34699)	trans- 1,4-Di- chloro- 2- butene, water unf ug/L (73547)	Tri- bromo- methane water unfltrd ug/L (32104)	Tri- chloro- ethene, water, unfltrd ug/L (39180)	Tri- chloro- fluoro- methane water unfltrd ug/L (34488)	Tri- chloro- methane water unfltrd ug/L (32106)	Vinyl chlor- ide, water, unfltrd ug/L (39175)	Deu- terium/ Protium ratio, water, unfltrd per mil (82082)	O-18 / O-16 ratio, water, unfltrd per mil (82085)	Rn-222 2-sigma water unfltrd pCi/L (76002)	Rn-222, water, unfltrd pCi/L (82303)	Tritium 2-sigma water unfltrd pCi/L (75985)
390802119445301	<.09	<.7	<.10	<.04	<.09	<.02	<.1	-111	-14.79	29	820	.58
	<.09	<.7	<.10	<.04	<.09	<.02	<.1	--	--	29	760	--
390943119474802	<.09	<.7	<.10	<.04	<.09	<.02	<.1	-109	-14.93	46	2440	.64
391004119433301	<.09	<.7	<.10	<.04	<.09	<.02	E.3	-122	-16.03	48	2540	.58
391014119450701	<.09	<.7	<.10	<.04	<.09	<.02	<.1	-110	-15.19	55	3640	.58
391105119481101	<.09	<.7	<.10	<.04	<.09	E.01	<.1	--	--	--	--	--
	<.09	<.7	<.10	<.04	<.09	E.01	<.1	-108	-14.55	79	7990	.64
391128119415701	<.09	<.7	<.10	<.04	<.09	E.02	<.1	-112	-14.55	47	2770	.58
391231119442901	<.09	<.7	<.10	<.04	<.09	<.02	<.1	--	--	51	3060	.58
392231119501901	<.09	<.7	<.10	<.04	<.09	<.02	<.1	--	--	22	300	.58
392414119474701	<.09	<.7	<.10	<.04	<.09	<.02	<.1	--	--	25	560	.58
392506119462201	<.09	<.7	<.10	<.04	<.09	E.04	<.1	--	--	34	1180	.58
392509119451401	<.09	<.7	<.10	<.04	<.09	<.02	<.1	--	--	27	620	1.0
392614119454501	<.09	<.7	<.10	<.04	<.09	<.02	<.1	--	--	39	1270	.58
392627119481901	<.09	<.7	<.10	<.04	<.09	E.04	<.1	--	--	--	--	--
	<.09	<.7	<.10	<.04	<.09	<.02	<.1	--	--	41	1890	1.0
	1.14	6.0	1.64	.44	2.17	.49	1.1	--	--	--	--	--
392636119464401	<.09	<.7	.10	E.06	<.09	19.0	<.1	-94.20	-12.46	31	900	.83
	--	--	--	--	--	--	--	--	--	--	--	--
392718119463401	<.09	<.7	<.10	<.04	<.09	E.03	<.1	--	--	32	1020	.70
392809119465901	<.09	<.7	<.10	<.04	<.09	E.02	<.1	--	--	32	1000	.58
392927119475601	<.09	<.7	<.10	<.04	<.09	<.02	<.1	--	--	27	550	.58
393043119504901	<.09	<.7	<.10	<.04	<.09	E.04	<.1	--	--	32	920	.58
393045119500501	<.09	<.7	.13	<.04	<.09	15.3	<.1	--	--	34	1140	.64
393053119445601	<.09	<.7	<.10	<.04	<.09	E.08	<.1	--	--	27	370	.83
	--	--	--	--	--	--	--	--	--	--	--	--
393105119494001	<.09	<.7	E.08	<.04	<.09	18.8	<.1	-90.60	-11.65	33	1010	--
393108119415101	<.09	<.7	<.10	<.04	<.09	<.02	<.1	--	--	25	470	.58
393127119471101	<.09	<.7	<.10	E.07	<.09	<.02	<.1	--	--	27	600	.58
393145119452401	<.09	<.7	1.01	E.09	<.09	5.02	<.1	--	--	29	680	.83
	<.09	<.7	1.00	E.09	<.09	5.06	<.1	--	--	29	680	--
393158119454301	<.09	<.7	<.10	<.04	<.09	<.02	<.1	--	--	26	590	.58
393203119472801	<.09	<.7	<.10	<.04	<.09	E.03	<.1	--	--	17	30	--
	--	--	--	--	--	--	--	--	--	--	--	.64
	<.09	<.7	2.34	1.15	<.09	8.26	<.1	--	--	27	540	1.3
393231119462901	<.09	<.7	2.31	<.04	<.09	21.7	<.1	--	--	25	460	.83
393715119403701	<.09	<.7	<.10	<.04	<.09	<.02	<.1	-117	-14.84	23	360	.58
393739119432101	--	--	--	--	--	--	--	--	--	--	--	--
	<.09	<.7	<.10	<.04	<.09	<.02	<.1	-120	-15.30	32	1000	.58
393812119425701	<.09	<.7	<.10	<.04	<.09	<.02	<.1	--	--	24	410	.64

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	Tritium water unfltrd pCi/L (07000)	Uranium natural water, fltrd, ug/L (22703)
390802119445301	-.2	5.00
	--	5.01
390943119474802	3.0	1.26
391004119433301	.1	E.01
391014119450701	.2	30.9
391105119481101	--	.08
	7.9	26.4
391128119415701	.5	3.07
391231119442901	.1	9.48
392231119501901	1.6	4.57
392414119474701	1.0	2.83
392506119462201	.2	3.42
392509119451401	15.4	.16
392614119454501	2.8	4.99
392627119481901	--	<.02
	15.1	4.52
	--	--
392636119464401	12.3	.95
	--	--
392718119463401	2.2	2.91
392809119465901	3.7	2.47
392927119475601	1.0	.13
393043119504901	6.7	1.89
393045119500501	9.1	2.20
393053119445601	9.2	.83
	--	.83
393105119494001	--	1.59
393108119415101	-.3	.33
393127119471101	.3	.05
393145119452401	10.3	2.12
	--	2.13
393158119454301	.2	.04
393203119472801	--	<.02
	8.2	--
	19.1	5.43
393231119462901	12.3	2.35
393715119403701	.1	.28
393739119432101	--	--
	.3	2.26
393812119425701	2.0	8.00

Remark codes used in this report:

< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

^a Listed values are recovery percentages for the indicated compounds. These compounds are added to the sample to determine the relative recovery of other organic compounds that are detected using the same analytical metho

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT

Water-quality measurements in the following table were made as part of the National Water-Quality Assessment Program (NAWQA) Carbonate Aquifer Major Aquifer Study to monitor conditions in the carbonate aquifer of eastern Nevada and western Utah. Data in this table are from southern and eastern Nevada. Depths and Water Levels: Depths are referenced to land-surface datum (LSD). The following sites are shown in figures 30 and 37.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number		Local Identification			Date	Time	Sample type	Depth of well, feet below LSD (72008)	to water level, feet below LSD (72019)	Flow rate of well, gal/min (00058)			
362321114252601		215	S18 E68 07ABB 1		06-05-03	0800	FIELD BLANK	--	--	--			
		215	S18 E68 07ABB 1		06-05-03	0930	ENVIRONMENTAL	10.	5.0	1.0			
	362507114572701	216	S18 E63 05AADB1		06-04-03	0930	ENVIRONMENTAL	1979.	760.00	220			
	362835116192101	230	S17 E50 15ABDA1		07-29-03	0930	ENVIRONMENTAL	15.	1.00	.50			
		230	S17 E50 15ABDA1		07-29-03	1000	REPLICATE	--	--	--			
	363332115244001	212	S16 E58 14A 1		06-17-03	0930	ENVIRONMENTAL	930.	815.00	24			
	363530116021401	225	S16 E53 05ADB 1		05-29-03	0900	ENVIRONMENTAL	1953.	--	350			
	364235114425401	219	S14 E65 21AABE2		07-30-03	0900	ENVIRONMENTAL	10.	1.00	.50			
	364650114432001	219	S13 E65 28BDAC1		07-08-03	1130	ENVIRONMENTAL	478.	394.00	40			
	364741114532801	210	S13 E63 26AAAA1		05-28-03	0930	ENVIRONMENTAL	628.	--	20			
	373155115135801	209	S05 E60 10ADBB1		06-03-03	0930	ENVIRONMENTAL	5.	2.0	1.0			
	380531114534201	181	N03 E63 27CAA 1		06-19-03	1000	ENVIRONMENTAL	2395.	847.00	26			
380758115204601	172	N03 E59 10BD 1		06-25-03	0900	ENVIRONMENTAL	1837.	798.00	30				
381115116222101	156	N04 E50 20CDC 1		07-31-03	0800	ENVIRONMENTAL	20.	15.0	.50				
382807114521001	180	N07 E63 14BADDD1		07-10-03	0900	ENVIRONMENTAL	460.	220.00	60				
383744114160901	196	N09 E69 19ADDA1		08-06-03	0815	ENVIRONMENTAL	20.	1.0	--				
385521114503601	179	N12 E63 12AB 1		07-16-03	0945	ENVIRONMENTAL	948.	428.00	40				
385604115415101	173B	N12 E56 05ACB 1		08-07-03	0915	ENVIRONMENTAL	20.	9.0	.50				
391345114535501	179	N16 E63 29AAAA1		08-05-03	0700	FIELD BLANK	--	--	--				
	179	N16 E63 29AAAA1		08-05-03	0930	ENVIRONMENTAL	7.	5.00	.50				
400119115274802	179	N16 E63 29AAAA1		08-05-03	0945	REPLICATE	--	--	--				
404759116115401	176	N25 E58 29ABDC3		09-10-03	1500	ENVIRONMENTAL	350.	129.43	.50				
	051	N34 E51 25CCBC1		08-26-03	1000	ENVIRONMENTAL	1484.	--	2200				
	051	N34 E51 25CCBC1		08-26-03	1030	REPLICATE	--	--	--				
412703114500601	189A	N41 E63 10CBDA1		08-27-03	1315	ENVIRONMENTAL	2.	.50	.50				
	189A	N41 E63 10CBDA1		08-27-03	1320	SPIKE	--	--	--				
Station	number	Tur- bidity, water, unfltrd field, NTU (61028)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unfltrd uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)
362321114252601	--	--	--	--	--	--	--	--	--	.68	.010	<.16	.11
	.2	723	1.5	22	6.9	4150	35.0	30.8	490	162	26.0	353	
362507114572701	.1	697	1.9	26	7.2	1480	37.0	27.2	111	50.1	12.9	106	
362835116192101	.4	709	1.8	25	7.3	695	28.0	29.4	47.3	20.3	7.76	67.6	
	--	--	--	--	--	--	--	--	--	--	--	--	--
363332115244001	6.6	676	1.7	23	7.7	377	35.0	24.7	34.6	17.6	7.58	15.1	
363530116021401	.2	685	2.5	37	7.3	621	32.0	30.6	45.7	21.3	5.21	41.9	
364235114425401	.3	721	2.5	36	7.3	984	31.0	31.8	69.0	28.4	11.0	103	
364650114432001	1.0	710	3.0	42	7.2	944	35.0	28.6	61.3	26.4	11.3	101	
364741114532801	.2	712	2.0	31	7.3	782	30.0	35.5	48.7	21.0	12.6	83.7	
373155115135801	.9	668	1.1	16	7.4	491	37.0	27.8	43.3	19.0	4.49	21.7	
380531114534201	.8	627	.2	3	6.9	657	28.0	29.8	79.7	30.1	7.35	18.8	
380758115204601	.6	631	2.0	28	7.6	402	20.0	23.1	38.4	19.3	4.45	17.4	
381115116222101	.2	632	.6	14	6.4	1400	22.0	53.3	77.2	23.5	24.0	187	
382807114521001	36	749	1.2	12	7.8	388	28.0	13.0	37.0	21.2	5.88	13.3	
383744114160901	.2	690	6.3	73	7.3	662	17.0	17.8	93.8	18.2	1.85	25.8	
385521114503601	12	594	5.9	71	7.5	432	35.0	12.2	67.5	13.4	2.00	8.22	
385604115415101	.3	629	1.3	22	7.3	593	18.0	32.2	62.1	19.3	5.84	28.5	
391345114535501	--	--	--	--	--	--	--	--	--	--	--	--	--
	.2	605	6.0	75	7.6	370	18.0	15.0	45.1	17.2	.76	3.54	
400119115274802	--	--	--	--	--	--	--	--	--	--	--	--	--
404759116115401	1.3	612	2.7	33	7.7	330	15.0	13.7	30.2	11.2	3.98	15.8	
	.2	633	.2	3	6.8	664	22.0	30.5	59.0	20.0	10.8	35.3	
	--	--	--	--	--	--	--	--	61.8	21.0	11.2	36.8	
412703114500601	4.7	618	3.0	38	7.4	384	25.0	16.3	45.2	11.3	8.14	19.5	
	--	--	--	--	--	--	--	--	--	--	--	--	--

Station	number	Alka-	Bicar-		Chlor-	Fluor-	Silica,	Sulfate	Residue	Ammonia		Nitrite	
		linity,	bonate,		ide,	ide,			on	+		+	
		wat flt	wat flt		water,	water,			at	org-N,	Ammonia	nitrate	Nitrite
		inc tit	incrm.	Bromide,	water,	water,	Silica,	Sulfate	evap.	org-N,	Ammonia	nitrate	Nitrite
		field,	titr.,	water,	water,	water,	water,	water,	180degC	water,	water,	water	water,
		mg/L as	field,	fltrd,	fltrd,	fltrd,	fltrd,	fltrd,	wat flt	fltrd,	fltrd,	fltrd,	fltrd,
		CaCO3	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
		(39086)	(00453)	(71870)	(00940)	(00950)	(00955)	(00945)	(70300)	as N	as N	as N	as N
										(00623)	(00608)	(00631)	(00613)
362321114252601	--	--	--	<.02	<.20	<.2	.47	<.2	<10	<.10	<.04	<.06	<.008
	130	159	.21	374	1.5	17.7	1910	3680	<.10	E.03	.21	<.008	
362507114572701	179	219	.14	154	1.5	18.8	329	984	<.10	<.04	.10	<.008	
362835116192101	243	296	.13	21.2	1.6	24.2	78.1	401	E.05	<.04	<.30	<.008	
	--	--	--	--	--	--	--	--	--	--	--	--	--
363332115244001	149	182	.12	7.20	.8	25.8	31.4	230	<.10	<.04	.09	<.008	
363530116021401	205	250	.11	39.2	1.0	20.4	52.2	352	<.10	<.04	.31	<.008	
364235114425401	220	267	.19	62.1	2.1	30.4	179	617	<.10	<.04	.41	<.008	
364650114432001	215	262	.20	61.5	2.2	31.6	158	591	<.10	<.04	.48	<.008	
364741114532801	247	294	.19	35.7	2.0	35.7	93.1	476	<.10	<.04	.29	<.008	
373155115135801	206	251	.09	8.53	.4	24.7	32.0	280	<.10	<.04	.26	<.008	
380531114534201	330	403	.07	6.37	.6	27.4	21.1	377	E.06	<.04	E.05	<.008	
380758115204601	184	225	.07	6.00	.4	36.6	21.9	252	<.10	<.04	.64	<.008	
381115116222101	567	690	.13	30.7	3.4	53.5	94.0	834	.24	.20	<.06	<.008	
382807114521001	156	190	.15	14.7	<.2	45.6	17.1	251	<.10	<.04	1.38	E.004	
383744114160901	254	310	.25	39.9	<.2	50.3	23.6	418	<.10	<.04	2.85	<.008	
385521114503601	203	248	.04	5.81	.2	19.1	19.9	261	E.09	<.04	.85	<.008	
385604115415101	258	315	.07	8.06	.6	28.2	45.5	368	<.10	<.04	<.06	<.008	
391345114535501	--	--	--	--	--	--	--	--	--	--	--	--	--
	180	220	.04	3.37	<.2	9.21	10.6	214	<.10	<.04	.66	<.008	
	--	--	--	--	--	--	--	--	--	--	--	--	--
400119115274802	119	145	.09	11.9	.2	44.7	17.9	221	<.10	<.04	.74	.008	
404759116115401	264	322	.06	12.8	.7	25.4	57.4	417	.10	.04	.05	.008	
	--	--	.06	12.8	.8	25.4	57.6	411	.06	.04	.10	.008	
412703114500601	144	176	.06	9.88	.3	6.18	30.6	290	<.10	<.04	.72	<.008	
	--	--	--	--	--	--	--	--	--	--	--	--	--
Station	number	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Colipge F-spec, 2-step, pres (1) abs (2) /L (99335)	Colipge som, Ec CN13hst 2-step, pres (1) abs (2) /L (99332)	E coli, MI MF, water, col/ 100 mL (90901)	Total coli-form, MI MF, water, col/ 100 mL (90900)	Alum-inum, water, fltrd, ug/L (01106)					

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	Cadmium water, fltrd, ug/L (01025)	Chrom- ium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Mangan- ese, water, fltrd, ug/L (01056)	Molyb- denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selen- ium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)
362321114252601	<.04 .08	<.8 E.5	<.01 1.28	.3 10.6	<8 <24	<.08 <.16	<.5 1050	E.1 <.4	<.3 22.6	.17 15.7	<.5 3.0	<.20 <.40
362507114572701	.04	E.4	.31	2.4	60	<.08	137	6.1	9.6	3.62	1.5	<.20
362835116192101	<.04 <.04	<.8 <.8	.09 .08	.5 .3	E7 --	<.08 .12	78.0 78.9	.3 .2	7.4 7.3	1.72 1.43	E.4 .6	<.20 <.20
363332115244001	<.04	<.8	.83	.2	531	.21	14.3	36.8	5.3	2.83	E.4	<.20
363530116021401	<.04	<.8	.12	1.0	39	.18	50.1	.3	5.2	3.26	E.4	<.20
364235114425401	E.03	E.6	.19	.9	E7	<.08	133	.3	7.7	1.88	.8	<.20
364650114432001	E.02	1.0	.14	1.2	375	.37	133	3.6	6.9	2.21	1.1	<.20
364741114532801	<.04	<.8	.09	1.3	12	1.78	118	1.0	5.7	1.89	.6	<.20
373155115135801	<.04	<.8	.11	.5	E4	E.04	24.0	<.2	5.6	.84	.6	<.20
380531114534201	E.02	<.8	.42	.4	1890	.95	28.9	37.8	5.6	5.25	E.3	<.20
380758115204601	<.04	E.5	.22	.3	586	.18	17.2	8.9	5.6	3.18	1.4	<.20
381115116222101	<.04	<.8	.15	.6	58	E.04	618	8.6	E.3	1.15	<.5	<.20
382807114521001	<.04	E.5	.10	E.2	54	<.08	10.3	28.0	.4	1.11	1.0	<.20
383744114160901	E.02	<.8	.25	.9	<8	E.06	14.7	<.2	E.3	1.60	1.6	<.20
385521114503601	<.04	E.7	.16	1.3	58	E.05	6.1	6.0	1.2	2.60	.9	<.20
385604115415101	<.04	<.8	.18	.5	<8	E.05	70.9	E.2	3.4	1.39	<.5	<.20
391345114535501	<.04 <.04	<.8 1.2	<.01 .17	1.5 1.0	-- <8	<.08 E.05	<.5 3.6	.3 .2	<.3 .8	.28 1.05	<.5 1.0	<.20 <.20
400119115274802	--	--	--	--	--	--	--	--	--	--	--	--
404759116115401	<.04 .04 E.03	2.5 <.8 <.8	.10 .14 .13	.5 .6 .4	<8 45 46	<.08 <.08 <.08	8.1 189 189	20.6 2.4 2.4	2.3 4.1 4.1	.97 2.79 2.80	1.6 1.1 1.2	<.20 <.20 <.20
412703114500601	<.04	<.8	.10	E.2	9	<.08	15.9	1.5	3.9	1.74	1.3	<.20
	--	--	--	--	--	--	--	--	--	--	--	--
Station number	Stront- ium, water, fltrd, ug/L (01080)	Thall- ium, water, fltrd, ug/L (01057)	Vanad- ium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	2,6-Di- ethyl- aniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Aceto- chlor, water, fltrd, ug/L (49260)	Ala- chlor, water, fltrd, ug/L (46342)	alpha- HCH, water, fltrd, ug/L (34253)	^a alpha- HCH-d6, wat flt 0.7u GF percent recovry (91065)	Atra- zine, water, fltrd, ug/L (39632)	Azin- phos- methyl, water, fltrd 0.7u GF ug/L (82686)
362321114252601	.69 8200	<.04 .27	E.1 3.2	M 9	<.006 <.006	<.006 <.006	<.006 <.006	<.004 <.004	<.005 <.005	84.7 85.9	<.007 <.007	<.050 <.050
362507114572701	4030	.12	1.1	13	<.006	<.006	<.006	<.004	<.005	88.6	<.007	<.050
362835116192101	907 902	.38 .47	1.2 1.4	M M	<.006 --	<.006 --	<.006 --	<.004 --	<.005 --	98.3 --	<.007 --	<.050 --
363332115244001	756	E.03	2.4	7	<.006	<.006	<.006	<.004	<.005	107	<.007	<.050
363530116021401	831	.08	3.0	2	<.006	<.006	<.006	<.004	<.005	91.8	<.007	<.050
364235114425401	1110	.24	2.9	3	<.006	<.006	<.006	<.004	<.005	109	<.007	<.050
364650114432001	1010	.23	2.6	8	<.006	<.006	<.006	<.004	<.005	85.3	<.007	<.050
364741114532801	741	.14	4.1	217	<.006	<.006	<.006	<.004	<.005	101	<.007	<.050
373155115135801	257	.27	1.5	M	<.006	<.006	<.006	<.004	<.005	105	<.007	<.050
380531114534201	405	2.55	8.4	26	<.006	<.006	<.006	<.004	<.005	93.7	<.007	<.050
380758115204601	240	.73	3.8	5	<.006	<.006	<.006	<.004	<.005	98.3	<.007	<.050
381115116222101	2480	.11	.8	1	<.006	<.006	<.006	<.004	<.005	110	<.007	<.050
382807114521001	206	<.04	2.5	2	<.006	<.006	<.006	<.004	<.005	96.4	<.007	<.050
383744114160901	471	<.04	8.5	6	<.006	<.006	<.006	<.004	<.005	91.2	<.007	<.050
385521114503601	234	<.04	2.9	3	<.006	<.006	<.006	<.004	<.005	103	<.007	<.050
385604115415101	381	.21	.8	M	<.006	<.006	<.006	<.004	<.005	83.2	<.007	<.050
391345114535501	1.30 210	<.04 E.03	<.1 1.5	10 2	-- <.006	-- <.006	-- <.006	-- <.004	-- <.005	-- 87.7	-- <.007	-- <.050
400119115274802	--	--	--	--	--	--	--	--	--	--	--	--
404759116115401	183 382 386	<.04 .35 .36	7.0 2.2 2.3	M 17 16	<.006 <.006 <.006	<.006 <.006 <.006	<.006 <.006 <.006	<.004 <.004 <.004	<.005 <.005 <.005	78.8 92.7 90.7	<.007 <.007 <.007	<.050 <.050 <.050
412703114500601	223	<.04	7.5	<1	<.006	<.006	<.006	<.004	<.005	94.5	<.007	<.050
	--	--	--	--	.131	E.051	.139	.103	.127	94.4	.144	E.142

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	Ben- flur- alin, water, fltrd 0.7u GF (82673)	Butyl- ate, water, fltrd, ug/L (04028)	Car- baryl, water, fltrd 0.7u GF (82680)	Carbo- furan, water, fltrd 0.7u GF (82674)	Chlor- pyrifos water, fltrd, ug/L (38933)	cis- Per- methrin water fltrd 0.7u GF (82687)	Cyana- zine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF (82682)	Desulf- inyl- fipro- nil, water, fltrd, ug/L (62170)	Diazi- non, water, fltrd, ug/L (39572)	^a Diazi- non-d10 surrog. wat flt 0.7u GF percent recovry (91063)	Diel- drin, water, fltrd, ug/L (39381)
362321114252601	<.010	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005	98.2	<.005
	<.010	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005	94.7	<.005
362507114572701	<.010	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005	88.1	<.005
362835116192101	<.010	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005	107	<.005
	--	--	--	--	--	--	--	--	--	--	--	--
363332115244001	<.010	<.002	<.041	<.050	<.005	<.006	<.018	<.003	<.004	<.005	126	<.005
363530116021401	<.010	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005	91.8	<.005
364235114425401	<.010	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005	112	<.005
364650114432001	<.010	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005	92.0	<.005
364741114532801	<.010	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005	109	<.005
373155115135801	<.010	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005	113	<.005
380531114534201	<.010	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005	100	<.005
380758115204601	<.010	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005	99.1	<.005
381115116222101	<.010	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005	119	<.005
382807114521001	<.010	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005	97.3	<.005
383744114160901	<.010	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005	108	<.005
385521114503601	<.010	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005	104	<.005
385604115415101	<.010	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005	93.8	<.005
391345114535501	--	--	--	--	--	--	--	--	--	--	--	--
	<.010	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005	112	<.005
	--	--	--	--	--	--	--	--	--	--	--	--
400119115274802	<.010	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005	97.4	<.005
404759116115401	<.010	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005	99.1	<.005
	<.010	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005	92.7	<.005
412703114500601	<.010	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005	104	<.005
	.110	.129	E.237	E.218	.121	.047	.149	.136	<.004	.133	101	.112
Station number	Disul- foton, water, fltrd 0.7u GF (82677)	EPTC, water, fltrd 0.7u GF (82668)	Ethal- flur- alin, water, fltrd 0.7u GF (82663)	Etho- prop, water, fltrd 0.7u GF (82672)	Desulf- inyl- fipro- nil amide, wat flt ug/L (62169)	Fipro- nil sulfide water, fltrd, ug/L (62167)	Fipro- nil sulfone water, fltrd, ug/L (62168)	Fipro- nil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF (82666)	Mala- thion, water, fltrd, ug/L (39532)
362321114252601	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035	<.027
	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035	<.027
362507114572701	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035	<.027
362835116192101	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035	<.027
	--	--	--	--	--	--	--	--	--	--	--	--
363332115244001	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035	<.027
363530116021401	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035	<.027
364235114425401	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035	<.027
364650114432001	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035	<.027
364741114532801	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035	<.027
373155115135801	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035	<.027
380531114534201	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035	<.027
380758115204601	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035	<.027
381115116222101	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035	<.027
382807114521001	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035	<.027
383744114160901	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035	<.027
385521114503601	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035	<.027
385604115415101	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035	<.027
391345114535501	--	--	--	--	--	--	--	--	--	--	--	--
	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035	<.027
	--	--	--	--	--	--	--	--	--	--	--	--
400119115274802	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035	<.027
404759116115401	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035	<.027
	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035	<.027
412703114500601	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035	<.027
	.02	.122	.122	.118	<.009	<.005	<.005	<.007	.129	.127	.131	.138

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	Methyl para- thion, water, fltrd 0.7u GF ug/L (82667)	Metola- chlor, water, fltrd ug/L (39415)	Metri- buzin, water, fltrd ug/L (82630)	Moli- nate, water, fltrd 0.7u GF ug/L (82671)	Naprop- amide, water, fltrd 0.7u GF ug/L (82684)	p,p'- DDE, water, fltrd ug/L (34653)	Para- thion, water, fltrd ug/L (39542)	Peb- ulate, water, fltrd ug/L (82669)	Pendi- meth- alin, water, fltrd ug/L (82683)	Phorate water, fltrd 0.7u GF ug/L (82664)	Prome- ton, water, fltrd ug/L (04037)	Pron- amide, water, fltrd 0.7u GF ug/L (82676)
362321114252601	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004
	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004
362507114572701	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004
362835116192101	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004
	--	--	--	--	--	--	--	--	--	--	--	--
363332115244001	<.006	<.013	<.007	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004
363530116021401	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004
364235114425401	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004
364650114432001	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004
364741114532801	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004
373155115135801	<.006	<.013	<.006	<.004	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004
380531114534201	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004
380758115204601	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004
381115116222101	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004
382807114521001	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004
383744114160901	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004
385521114503601	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004
385604115415101	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004
391345114535501	--	--	--	--	--	--	--	--	--	--	--	--
	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004
400119115274802	--	--	--	--	--	--	--	--	--	--	--	--
404759116115401	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004
	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004
412703114500601	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01	<.004
	.138	.143	.116	.132	.111	.054	.144	.126	.108	.085	.13	.132
Station number	Pro- chlor, water, fltrd ug/L (04024)	Pro- panil, water, fltrd 0.7u GF ug/L (82679)	Propan- gite, water, fltrd 0.7u GF ug/L (82685)	Sima- zine, water, fltrd ug/L (04035)	Tebu- thiuron water, fltrd 0.7u GF ug/L (82670)	Terba- cil, water, fltrd 0.7u GF ug/L (82665)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Thio- bencarb water, fltrd 0.7u GF ug/L (82681)	Tri- allate, water, fltrd 0.7u GF ug/L (82678)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	1,1,1,2 -Tetra- chloro- ethane, water, unfltrd ug/L (77562)	1,1,1- Tri- chloro- ethane, water, unfltrd ug/L (34506)
362321114252601	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03
	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03
362507114572701	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03
362835116192101	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03
	--	--	--	--	--	--	--	--	--	--	--	--
363332115244001	<.010	<.011	<.02	<.005	E.10	<.034	<.02	<.005	<.002	<.009	<.03	<.03
363530116021401	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03
364235114425401	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03
364650114432001	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03
364741114532801	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03
373155115135801	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03
380531114534201	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03
380758115204601	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03
381115116222101	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03
382807114521001	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03
383744114160901	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03
385521114503601	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03
385604115415101	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03
391345114535501	--	--	--	--	--	--	--	--	--	--	<.03	<.03
	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03
400119115274802	--	--	--	--	--	--	--	--	--	--	--	--
404759116115401	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03
	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03
412703114500601	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03	<.03
	.138	.140	.13	.138	E.17	E.112	.09	.138	.125	.110	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station	number	1,1,2,2-Tetra- chloro- ethane, water,	CFC-113	1,1,2-Tri- chloro- ethane, water,	1,1-Di- chloro- ethane, water	1,1-Di- chloro- ethene, water,	1,1-Di- chloro- propene water	1,2,3,4-Tetra- methyl- benzene water	1,2,3,5-Tetra- methyl- benzene water	1,2,3-Tri- chloro- benzene water	1,2,3-Tri- chloro- propane water	1,2,3-Tri- methyl- benzene water	1,2,4-Tri- chloro- benzene water
		unfltrd ug/L (34516)	unfltrd ug/L (77652)	unfltrd ug/L (34511)	unfltrd ug/L (34496)	unfltrd ug/L (34501)	unfltrd ug/L (77168)	unfltrd ug/L (49999)	unfltrd ug/L (50000)	unfltrd ug/L (77613)	unfltrd ug/L (77443)	unfltrd ug/L (77221)	unfltrd ug/L (34551)
362321114252601		<.09 <.09	<.06 <.06	<.06 <.06	<.04 <.04	<.04 <.04	<.05 <.05	<.2 <.2	<.2 <.2	<.3 <.3	<.16 <.16	<.1 <.1	<.1 <.1
362507114572701		<.09 <.09	<.06 <.06	<.06 <.06	<.04 <.04	<.04 <.04	<.05 <.05	<.2 <.2	<.2 <.2	<.3 <.3	<.16 <.16	<.1 <.1	<.1 <.1
362835116192101		-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
363332115244001		<.09	<.06	<.06	<.04	<.04	<.05	.2	E.1	<.3	<.16	.1	<.1
363530116021401		<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1
364235114425401		<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1
364650114432001		<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1
364741114532801		<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1
373155115135801		<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1
380531114534201		<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1
380758115204601		<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1
381115116222101		<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1
382807114521001		<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1
383744114160901		<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1
385521114503601		<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1
385604115415101		<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1
391345114535501		<.09 <.09	<.06 <.06	<.06 <.06	<.04 <.04	<.04 <.04	<.05 <.05	<.2 <.2	<.2 <.2	<.3 <.3	<.16 <.16	<.1 <.1	<.1 <.1
400119115274802		<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1
404759116115401		<.09 <.09	<.06 <.06	<.06 <.06	<.04 <.04	<.04 <.04	<.05 <.05	<.2 <.2	<.2 <.2	<.3 <.3	<.16 <.16	<.1 <.1	<.1 <.1
412703114500601		<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1	<.1
		--	--	--	--	--	--	--	--	--	--	--	--
Station	number	1,2,4-Tri- methyl- benzene water	Dibromo- chloro- propane water	1,2-Di- bromo- ethane, water,	1,2-Di- chloro- benzene water	1,2-Di- chloro- ethane, water,	^a 1,2-Di- chloro- ethane- d4, sur Sch2090 wat unf pct rev	1,2-Di- chloro- propane water	1,3,5-Tri- methyl- benzene water	1,3-Di- chloro- benzene water	1,3-Di- chloro- propane water	1,4-Di- chloro- benzene water	^a 14Bromo- fluoro- benzene surrog. VOC Sch wat unf pct rcv
362321114252601		<.06 <.06	<.5 <.5	<.04 <.04	<.03 <.03	<.1 <.1	128 138	<.03 <.03	<.04 <.04	<.03 <.03	<.1 <.1	<.05 <.05	108 110
362507114572701		<.06 <.06	<.5 <.5	<.04 <.04	<.03 <.03	<.1 <.1	132 120	<.03 <.03	<.04 <.04	<.03 <.03	<.1 <.1	<.05 <.05	112 106
362835116192101		-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
363332115244001		.19	<.5	<.04	<.03	<.1	125	<.03	E.06	<.03	<.1	<.05	97.6
363530116021401		<.06	<.5	<.04	<.03	<.1	108	<.03	<.04	<.03	<.1	<.05	--
364235114425401		<.06	<.5	<.04	<.03	<.1	116	<.03	<.04	<.03	<.1	<.05	78.8
364650114432001		<.06	<.5	<.04	<.03	<.1	104	<.03	<.04	<.03	<.1	<.05	98.3
364741114532801		<.06	<.5	<.04	<.03	<.1	104	<.03	<.04	<.03	<.1	<.05	84.1
373155115135801		<.06	<.5	<.04	<.03	<.1	108	<.03	<.04	<.03	<.1	<.05	70.7
380531114534201		<.06	<.5	<.04	<.03	<.1	133	<.03	<.04	<.03	<.1	<.05	119
380758115204601		<.06	<.5	<.04	<.03	<.1	134	<.03	<.04	<.03	<.1	<.05	76.3
381115116222101		<.06	<.5	<.04	<.03	<.1	106	<.03	<.04	<.03	<.1	<.05	86.7
382807114521001		<.06	<.5	<.04	<.03	<.1	113	<.03	<.04	<.03	<.1	<.05	108
383744114160901		<.06	<.5	<.04	<.03	<.1	113	<.03	<.04	<.03	<.1	<.05	91.0
385521114503601		<.06	<.5	<.04	<.03	<.1	114	<.03	<.04	<.03	<.1	<.05	76.2
385604115415101		<.06	<.5	<.04	<.03	<.1	114	<.03	<.04	<.03	<.1	<.05	87.7
391345114535501		<.06 <.06	<.5 <.5	<.04 <.04	<.03 <.03	<.1 <.1	99.0 109	<.03 <.03	<.04 <.04	<.03 <.03	<.1 <.1	<.05 <.05	85.8 86.2
400119115274802		--	--	--	--	--	--	--	--	--	--	--	--
404759116115401		<.06 <.06	<.5 <.5	<.04 <.04	<.03 <.03	<.1 <.1	103 142	<.03 <.03	<.04 <.04	<.03 <.03	<.1 <.1	<.05 <.05	87.5 75.5
412703114500601		<.06 <.06	<.5 <.5	<.04 <.04	<.03 <.03	<.1 <.1	139 152	<.03 <.03	<.04 <.04	<.03 <.03	<.1 <.1	<.05 <.05	78.2 81.0
		--	--	--	--	--	--	--	--	--	--	--	--

Station number	2,2-Di-chloro-propane	2-Chloro-toluene	2-Ethyl-toluene	3-Chloro-propene	4-Chloro-toluene	4-Iso-propyl-toluene	Acetone	Acrylo-nitrile	Benzene	Bromo-benzene	Bromo-chloro-methane	Bromo-di-chloro-methane
	water	water	water	water	water	water	water	water	water	water	water	water
	unfltrd	unfltrd	unfltrd	unfltrd	unfltrd	unfltrd	unfltrd	unfltrd	unfltrd	unfltrd	unfltrd	unfltrd
	ug/L (77170)	ug/L (77275)	ug/L (77220)	ug/L (78109)	ug/L (77277)	ug/L (77356)	ug/L (81552)	ug/L (34215)	ug/L (34030)	ug/L (81555)	ug/L (77297)	ug/L (32101)
362321114252601	<.05	<.04	<.06	<.12	<.05	<.12	<7	<1	<.04	<.04	<.12	<.05
362507114572701	<.05	<.04	<.06	<.12	<.05	<.12	<7	<1	<.04	<.04	<.12	.14
362835116192101	<.05	<.04	<.06	<.12	<.05	<.12	<7	<1	<.04	<.04	<.12	<.05
	--	--	--	--	--	--	--	--	--	--	--	--
363332115244001	<.05	<.04	E.06	<.12	<.05	E.01	<7	<1	E.02	<.04	<.12	<.05
363530116021401	<.05	<.04	<.06	<.12	<.05	<.12	<7	<1	<.04	<.04	<.12	<.05
364235114425401	<.05	<.04	<.06	<.12	<.05	<.12	<7	<1	<.04	<.04	<.12	<.05
364650114432001	<.05	<.04	<.06	<.12	<.05	<.12	<7	<1	<.04	<.04	<.12	<.05
364741114532801	<.05	<.04	<.06	<.12	<.05	<.12	<7	<1	<.04	<.04	<.12	<.05
373155115135801	<.05	<.04	<.06	<.12	<.05	<.12	<7	<1	<.04	<.04	<.12	<.05
380531114534201	<.05	<.04	<.06	<.12	<.05	<.12	<7	<1	<.04	<.04	<.12	<.05
380758115204601	<.05	<.04	<.06	<.12	<.05	<.12	<7	<1	<.04	<.04	<.12	<.05
381115116222101	<.05	<.04	<.06	<.12	<.05	<.12	<7	<1	<.04	<.04	<.12	<.05
382807114521001	<.05	<.04	<.06	<.12	<.05	<.12	<7	<1	E.01	<.04	<.12	<.05
383744114160901	<.05	<.04	<.06	<.12	<.05	<.12	<7	<1	<.04	<.04	<.12	<.05
385521114503601	<.05	<.04	<.06	<.12	<.05	<.12	<7	<1	<.04	<.04	<.12	<.05
385604115415101	<.05	<.04	<.06	<.12	<.05	<.12	<7	<1	<.04	<.04	<.12	<.05
391345114535501	<.05	<.04	<.06	<.12	<.05	<.12	E2	<1	<.04	<.04	<.12	<.05
	<.05	<.04	<.06	<.12	<.05	<.12	<7	<1	<.04	<.04	<.12	<.05
	--	--	--	--	--	--	--	--	--	--	--	--
400119115274802	<.05	<.04	<.06	<.12	<.05	<.12	<7	<1	<.04	<.04	<.12	<.05
404759116115401	<.05	<.04	<.06	<.12	<.05	<.12	<7	<1	<.04	<.04	<.12	<.05
	<.05	<.04	<.06	<.12	<.05	<.12	<7	<1	<.04	<.04	<.12	<.05
412703114500601	<.05	<.04	<.06	<.12	<.05	<.12	<7	<1	<.04	<.04	<.12	<.05
	--	--	--	--	--	--	--	--	--	--	--	--
Station number	Bromo-ethene, water, unfltrd	Bromo-methane water unfltrd	Carbon di-sulfide water unfltrd	Chloro-benzene water unfltrd	Chloro-ethane, water, unfltrd	Chloro-methane water unfltrd	cis-1,2-Di-chloro-ethene, water, unfltrd	cis-1,3-Di-chloro-propene water unfltrd	Di-bromo-chloro-methane water unfltrd	Di-bromo-methane water unfltrd	Di-chloro-di-fluoro-methane wat unf	Di-chloro-methane water unfltrd
	ug/L (50002)	ug/L (34413)	ug/L (77041)	ug/L (34301)	ug/L (34311)	ug/L (34418)	ug/L (77093)	ug/L (34704)	ug/L (32105)	ug/L (30217)	ug/L (34668)	ug/L (34423)
362321114252601	<.1	<.3	<.07	<.03	<.1	<.2	<.04	<.09	<.2	<.05	<.18	<.2
36250711												

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station	number	Di-ethyl ether, water, unfltrd ug/L (81576)	Diisopropyl ether, water, unfltrd ug/L (81577)	Ethyl methacrylate, water, unfltrd ug/L (73570)	Ethyl methyl ketone, water, unfltrd ug/L (81595)	Ethylbenzene, water, unfltrd ug/L (34371)	Hexachlorobutadiene, water, unfltrd ug/L (39702)	Hexachloroethane, water, unfltrd ug/L (34396)	Iodomethane, water, unfltrd ug/L (77424)	Iso-butyl methyl ketone, water, unfltrd ug/L (78133)	Iso-propylbenzene, water, unfltrd ug/L (77223)	Methacrylonitrile, water, unfltrd ug/L (81593)	Methylacrylate, water, unfltrd ug/L (49991)
362321114252601		<.2	<.10	<.2	<5.0	<.03	<.1	<.2	<.35	<.4	<.06	<.6	<2.0
362507114572701		<.2	<.10	<.2	<5.0	<.03	<.1	<.2	<.35	<.4	<.06	<.6	<2.0
362835116192101		<.2	<.10	<.2	<5.0	<.03	<.1	<.2	<.35	<.4	<.06	<.6	<2.0
		--	--	--	--	--	--	--	--	--	--	--	--
363332115244001		<.2	<.10	<.2	<5.0	E.07	<.1	<.2	<.35	<.4	E.02	<.6	<2.0
363530116021401		<.2	<.10	<.2	<5.0	<.03	<.1	<.2	<.35	<.4	<.06	<.6	<2.0
364235114425401		<.2	<.10	<.2	<5.0	<.03	<.1	<.2	<.35	<.4	<.06	<.6	<2.0
364650114432001		<.2	<.10	<.2	<5.0	<.03	<.1	<.2	<.35	<.4	<.06	<.6	<2.0
364741114532801		<.2	<.10	<.2	<5.0	<.03	<.1	<.2	<.35	<.4	<.06	<.6	<2.0
373155115135801		<.2	<.10	<.2	<5.0	<.03	<.1	<.2	<.35	<.4	<.06	<.6	<2.0
380531114534201		<.2	<.10	<.2	<5.0	<.03	<.1	<.2	<.35	<.4	<.06	<.6	<2.0
380758115204601		<.2	<.10	<.2	<5.0	<.03	<.1	<.2	<.35	<.4	<.06	<.6	<2.0
381115116222101		<.2	<.10	<.2	<5.0	<.03	<.1	<.2	<.35	<.4	<.06	<.6	<2.0
382807114521001		<.2	<.10	<.2	<5.0	E.05	<.1	<.2	<.35	<.4	E.02	<.6	<2.0
383744114160901		<.2	<.10	<.2	<5.0	<.03	<.1	<.2	<.35	<.4	<.06	<.6	<2.0
385521114503601		<.2	<.10	<.2	<5.0	E.02	<.1	<.2	<.35	<.4	<.06	<.6	<2.0
385604115415101		<.2	<.10	<.2	<5.0	<.03	<.1	<.2	<.35	<.4	<.06	<.6	<2.0
391345114535501		<.2	<.10	<.2	<5.0	<.03	<.1	<.2	<.35	<.4	<.06	<.6	<2.0
		<.2	<.10	<.2	<5.0	<.03	<.1	<.2	<.35	<.4	<.06	<.6	<2.0
		--	--	--	--	--	--	--	--	--	--	--	--
400119115274802		<.2	<.10	<.2	<5.0	<.03	<.1	<.2	<.35	<.4	<.06	<.6	<2.0
404759116115401		<.2	<.10	<.2	<5.0	<.03	<.1	<.2	<.35	<.4	<.06	<.6	<2.0
		<.2	<.10	<.2	<5.0	<.03	<.1	<.2	<.35	<.4	<.06	<.6	<2.0
412703114500601		<.2	<.10	<.2	<5.0	<.03	<.1	<.2	<.35	<.4	<.06	<.6	<2.0
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Station	number	Methyl methacrylate, water, unfltrd ug/L (81597)	Methyl tert-pentyl ether, water, unfltrd ug/L (50005)	meta+ para-Xylene, water, unfltrd ug/L (85795)	Naphthalene, water, unfltrd ug/L (34696)	Methyl ketone, water, unfltrd ug/L (77103)	n-Butylbenzene, water, unfltrd ug/L (77342)	n-propylbenzene, water, unfltrd ug/L (77224)	o-Xylene, water, unfltrd ug/L (77135)	sec-Butylbenzene, water, unfltrd ug/L (77350)	Styrene, water, unfltrd ug/L (77128)	t-Butyl ether, water, unfltrd ug/L (50004)	Methyl t-butyl ether, water, unfltrd ug/L (78032)
362321114252601		<.3	<.08	<.06	<.5	<.7	<.2	<.04	<.07	<.06	<.04	<.05	<.2
362507114572701		<.3	<.08	<.06	<.5	<.7	<.2	<.04	<.07	<.06	<.04	<.05	<.2
362835116192101		<.3	<.08	<.06	<.5	<.7	<.2	<.04	<.07	<.06	<.04	<.05	&

QUALITY OF GROUND WATER
NATIONAL WATER-QUALITY ASSESSMENT--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	tert-Butylbenzene water unfltrd ug/L (77353)	Tetra-chloro-ethene, water, unfltrd ug/L (34475)	Tetra-chloro-methane water, unfltrd ug/L (32102)	Tetra-hydro-furan, water, unfltrd ug/L (81607)	Toluene water unfltrd ug/L (34010)	^a Toluene surrog, Sch2090 wat unf recovry (99833)	trans-1,2-Di-chloro-ethene, water, unfltrd ug/L (34546)	trans-1,3-Di-chloro-propene water, unfltrd ug/L (34699)	trans-1,4-Di-chloro-2-butene, wat unf ug/L (73547)	Tri-bromo-methane water, unfltrd ug/L (32104)	Tri-chloro-ethene, water, unfltrd ug/L (39180)	Tri-chloro-fluoro-methane water, unfltrd ug/L (34488)
362321114252601	<.10	<.03	<.06	<2	E.04	105	<.03	<.09	<.7	<.10	<.04	<.09
	<.10	<.03	<.06	<2	<.05	105	<.03	<.09	<.7	<.10	<.04	<.09
362507114572701	<.10	<.03	<.06	<2	<.05	106	<.03	<.09	<.7	.41	<.04	<.09
362835116192101	<.10	<.03	<.06	<2	<.05	100	<.03	<.09	<.7	<.10	<.04	<.09
	--	--	--	--	--	--	--	--	--	--	--	--
363332115244001	<.10	<.03	<.06	<2	2.97	102	<.03	<.09	<.7	<.10	<.04	<.09
363530116021401	<.10	<.03	<.06	<2	<.05	91	<.03	<.09	<.7	<.10	<.04	<.09
364235114425401	<.10	<.03	<.06	<2	E.01	96.5	<.03	<.09	<.7	<.10	<.04	<.09
364650114432001	<.10	<.03	<.06	<2	.16	97.7	<.03	<.09	<.7	<.10	<.04	<.09
364741114532801	<.10	<.03	<.06	<2	E.01	94.2	<.03	<.09	<.7	<.10	<.04	<.09
373155115135801	<.10	<.03	<.06	<2	<.05	89.3	<.03	<.09	<.7	<.10	<.04	<.09
380531114534201	<.10	<.03	<.06	<2	.40	102	<.03	<.09	<.7	<.10	<.04	<.09
380758115204601	<.10	E.02	<.06	<2	2.00	98.0	<.03	<.09	<.7	<.10	<.04	<.09
381115116222101	<.10	<.03	<.06	<2	<.05	98.8	<.03	<.09	<.7	<.10	<.04	<.09
382807114521001	<.10	<.03	<.06	<2	1.35	100	<.03	<.09	<.7	<.10	<.04	<.09
383744114160901	<.10	<.03	<.06	<2	<.05	102	<.03	<.09	<.7	<.10	<.04	<.09
385521114503601	<.10	<.03	<.06	<2	.68	96.4	<.03	<.09	<.7	<.10	<.04	<.09
385604115415101	<.10	<.03	<.06	<2	<.05	101	<.03	<.09	<.7	<.10	<.04	<.09
391345114535501	<.10	<.03	<.06	<2	<.05	98.6	<.03	<.09	<.7	<.10	<.04	<.09
	<.10	<.03	<.06	<2	<.05	99.6	<.03	<.09	<.7	<.10	<.04	<.09
	--	--	--	--	--	--	--	--	--	--	--	--
400119115274802	<.10	<.03	<.06	<2	<.05	97.2	<.03	<.09	<.7	<.10	<.04	<.09
404759116115401	<.10	<.03	<.06	<2	<.05	101	<.03	<.09	<.7	<.10	<.04	<.09
	<.10	<.03	<.06	<2	<.05	101	<.03	<.09	<.7	<.10	<.04	<.09
412703114500601	<.10	<.03	<.06	<2	E.06	103	<.03	<.09	<.7	<.10	<.04	<.09
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Station number	Tri-chloro-methane water unfltrd ug/L (32106)	Vinyl chloride, water, unfltrd ug/L (39175)	Deuterium/Protium ratio, unfltrd per mil (82082)	O-18 / O-16 ratio, unfltrd per mil (82085)	Rn-222 2-sigma water unfltrd pCi/L (76002)	Rn-222, water, unfltrd pCi/L (82303)	Tritium 2-sigma water unfltrd pCi/L (75985)	Tritium water unfltrd pCi/L (07000)	Uranium natural water, fltrd, ug/L (22703)
362321114252601	E.02	<.1	--	--	--	--	--	--	<.02
	<.02	<.1	-93.00	-12.47	24	480	--	--	3.77
362507114572701	.14	<.1	-96.80	-13.23	26	530	--	--	6.82
362835116192101	<.02	<.1	-102	-13.56	24	420	--	--	2.65
	--	--	--	--	--	--	--	--	2.63
363332115244001	<.02	<.1	-89.80	-12.45	22	320	--	--	3.62
363530116021401	<.02	<.1	-101	-13.49	21	230	--	--	2.68
364235114425401	<.02	<.1	-96.90	-12.85	26	550	--	--	3.93
364650114432001	<.02	<.1	-97.70	-12.99	29	740	--	--	4.26
364741114532801	<.02	<.1	-99.60	-12.99	25	480	--	--	3.91
373155115135801	<.02	<.1	-108	-14.32	17	60	--	--	4.22
380531114534201	<.02	<.1	-107	-14.11	23	400	--	--	5.65
380758115204601	<.02	<.1	-108	-14.52	29	820	--	--	3.73
381115116222101	<.02	<.1	-114	-14.42	--	--	--	--	.36
382807114521001	<.02	<.1	-105	-13.94	23	360	.58	-.3	1.86
383744114160901	<.02	<.1	-104	-12.68	33	1090	--	--	10.4
385521114503601	<.02	<.1	-115	-15.09	24	290	1.0	15.6	1.61
385604115415101	<.02	<.1	-121	-15.93	20	200	--	--	.66
391345114535501	<.02	<.1	--	--	--	--	--	--	<.02
	<.02	<.1	-117	-15.72	40	1720	.58	3.0	1.62
	--	--	--	--	--	--	.64	2.9	--
400119115274802	<.02	<.1	--	--	--	--	--	--	1.95
404759116115401	<.02	<.1	--	--	29	560	--	--	1.05
	<.02	<.1	--	--	29	590	--	--	1.07
412703114500601	<.02	<.1	--	--	41	1580	--	--	1.54
	--	--	--	--	--	--	--	--	--

Remark codes used in this report:

< -- Less than
> -- Greater than
E -- Estimated value
M -- Presence verified, not quantified

^a Listed values are recovery percentages for the indicated compounds. These compounds are added to the sample to determine the relative recovery of other organic compounds that are detected using the same analytical method

QUALITY OF WATER

NEWLANDS SHALLOW AQUIFER MONITORING PROJECT

Water-quality measurements in the following table were made in cooperation with Churchill County to monitor changes in water-quality to provide data for evaluating the effects of changes in water use. Depths and Water Levels: Depths are referenced to land-surface datum (LSD). The following sites are shown in figure 32.

WATER-QUALITY DATA, WATER YEARS OCTOBER 2002 TO SEPTEMBER 2003

Station number	Station name				Date	Time	Sample type	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Flow rate, instantaneous gal/min (00059)
392327118425401	101	N18 E29 27CDAD1	USGS	CDR-18	01-30-03	1330	ENVIRONMENTAL	13.	--	--
	101	N18 E29 27CDAD1			09-17-03	1030	ENVIRONMENTAL		6.00	.10
392829118520001	101	N19 E28 32BAAB1	USGS	CDR-25	01-28-03	1000	ENVIRONMENTAL	13.	--	--
	101	N19 E28 32BAAB1			06-11-03	1300	ENVIRONMENTAL		6.87	--
	101	N19 E28 32BAAB1			09-16-03	1230	ENVIRONMENTAL		--	.10
393003118402001	101	N19 E29 24ABDD1	USGS	CDR-26	02-03-03	1030	ENVIRONMENTAL	12.	--	--
	101	N19 E29 24ABDD1			09-17-03	1430	ENVIRONMENTAL		7.00	.15
393004118514201	101	N19 E28 20ABC 1	MICHELLE WAY		01-29-03	1330	ENVIRONMENTAL	29.	--	--
	101	N19 E28 20ABC 1			09-15-03	1330	ENVIRONMENTAL		--	--
393006118515101	101	N19 E28 20ABDA1	DAVIS LANE		01-29-03	1100	ENVIRONMENTAL	24.	--	--
	101	N19 E28 20ABDA1			09-16-03	1030	ENVIRONMENTAL		--	.10
393052118333501	101	N19 E30 13ACAA1	USGS	CDR-29	01-28-03	--	ENVIRONMENTAL	12.	--	.10
	101	N19 E30 13ACAA1			01-28-03	1300	ENVIRONMENTAL		--	--
	101	N19 E30 13ACAA1			09-17-03	1300	ENVIRONMENTAL		--	--
393458118431101	101	N20 E29 22CBAC1	USGS	CDR-30	02-03-03	1215	ENVIRONMENTAL	12.	--	--
	101	N20 E29 22CBAC1			09-19-03	1130	ENVIRONMENTAL		--	--

Date	Pump or flow period prior to sampling, minutes (72004)	Turbidity, water, unfltrd, NTU (61028)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd, std units (00400)	Specific conductance, wat unfltrd, uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
01-30-03	--	--	660	--	--	7.8	1560	--	15.0	2.20	3.45	9.63
09-17-03	45	.4	666	.1	<.1	7.7	1910	--	19.5	2.92	4.60	11.8
01-28-03	--	--	666	.7	7	7.3	520	--	13.7	50.1	12.2	4.84
06-11-03	--	--	657	--	--	6.7	626	26.0	--	--	--	--
09-16-03	--	--	660	.5	7	6.8	320	25.0	21.0	22.5	5.75	4.16
02-03-03	--	--	660	--	--	7.5	1000	--	12.7	43.7	12.5	12.8
09-17-03	--	.2	666	.2	2	7.5	1450	24.0	16.3	45.9	13.5	14.3
01-29-03	--	--	--	--	--	7.8	348	--	17.5	17.5	5.20	7.16
09-15-03	--	--	--	--	--	--	--	--	--	17.2	5.19	6.41
01-29-03	--	--	665	--	--	9.4	470	--	--	.56	.082	3.07
09-16-03	--	--	660	.9	12	8.9	460	24.0	22.4	.56	.061	3.17
01-28-03	--	--	665	--	--	7.4	1360	--	13.0	--	--	--
01-28-03	--	--	--	--	--	--	--	--	--	89.3	26.6	11.3
09-17-03	--	--	--	--	--	--	--	--	--	89.4	26.5	13.6
02-03-03	30	--	660	--	--	7.3	--	--	--	192	152	43.2
09-19-03	--	--	660	--	--	7.6	14600	24.0	15.0	258	208	65.4

QUALITY OF WATER
NEWLANDS SHALLOW AQUIFER MONITORING PROJECT--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 2002 TO SEPTEMBER 2003

Date	Sodium, water, fltrd, mg/L (00930)	Alka- linity, wat flt inc tit mg/L as CaCO3 (39086)	Bicar- bonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)
01-30-03	357	413	498	.41	236	.77	26.3	44.5	943	.17	E.04	<.06	<.008
09-17-03	391	453	552	.47	251	.6	29.4	70.1	1100	.22	E.03	<.06	<.008
01-28-03	33.5	131	157	.04	18.6	.19	20.9	51.3	302	.11	<.04	1.71	<.008
06-11-03	--	--	--	--	--	--	--	--	175	E.05	<.04	.13	<.008
09-16-03	27.3	81	99	.04	12.8	.2	24.5	31.9	187	<.10	<.04	.10	<.008
02-03-03	262	450	542	.03	56.1	.68	45.0	198	922	.42	<.04	.15	.012
09-17-03	242	393	479	.06	59.2	.6	50.8	181	868	.36	<.04	.13	E.006
01-29-03	35.7	94	115	.04	13.3	.27	28.5	34.5	207	<.10	<.04	.97	E.006
09-15-03	42.4	--	--	.06	15.2	.4	29.3	34.4	218	.21	<.04	.43	<.008
01-29-03	96.0	164	155	.04	8.37	.38	34.3	35.9	285	E.05	<.04	.20	<.008
09-16-03	102	153	150	.04	9.14	.4	35.2	34.9	301	<.10	<.04	.15	<.008
01-28-03	--	613	740	--	--	--	--	--	--	--	--	--	--
01-28-03	262	--	--	.11	81.5	1.15	38.2	193	1110	.68	.12	<.06	<.008
09-17-03	244	--	--	.07	95.9	1.2	44.5	194	1040	.88	.20	<.06	<.008
02-03-03	2880	866	1040	1.92	1430	1.68	62.5	3940	9740	1.3	.19	<.06	<.008
09-19-03	2920	838	1020	2.10	1540	1.9	86.8	4430	10600	.99	<.04	<.06	<.008
					Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Arsenic water, fltrd, ug/L (01000)	Boron, water, fltrd, ug/L (01020)	Iron, water, fltrd, ug/L (01046)	Mangan- ese, water, fltrd, ug/L (01056)			
				01-30-03	1.78	1.74	--	--	23	16.3			
				09-17-03	1.25	1.23	--	--	25	28.0			
				01-28-03	.11	.122	--	--	<10	<2.0			
				06-11-03	.11	--	--	--	--	--			
				09-16-03	.14	.159	--	--	<8	<.4			
				02-03-03	.16	.163	--	--	<10	45.8			
				09-17-03	.15	.158	--	--	<8	118			
				01-29-03	.20	.21	47.3	290	<10	<2.0			
				09-15-03	.79	.81	--	--	46	1.2			
				01-29-03	.99	.94	198	340	68	3.1			
				09-16-03	.92	.91	--	--	40	.6			
				01-28-03	--	--	--	--	--	--			
				01-28-03	.58	.60	--	--	1060	705			
				09-17-03	.68	.74	--	--	1030	639			
				02-03-03	.59	.34	--	--	<100	1310			
				09-19-03	.46	.34	--	--	E28	796			

Remark codes used in this report:

< -- Less than

E -- Estimated value

GROUND-WATER LEVELS

NEWLANDS SHALLOW AQUIFER MONITORING PROJECT

Water-level data were collected in the Fallon area as part of a cooperative study with Churchill County. The purpose of the study is to provide data for future studies in the area and determine the hydrologic response to changes in seasonal recharge and to changes in water use.

Water Levels--Levels above LSD are listed as negative values.

Water Level Status--D, Site was dry (no water level was recorded); N, discontinued; O, obstruction was encountered in the well (no water level was recorded); X, water level was affected by stage in nearby surface-water site.

Water Level Method--S, steel tape; T, electric tape.

The following sites are shown in figure 32.

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet) Above Sea Level	Water Level (Below Land Surface)			
				Date	(Feet)	Status	Method
101 N16 E28 01AAAA2	391705118465402	27.	3910.95	12/12/2002	25.2		T
				03/17/2003	25.3		T
				05/14/2003	25.4		T
101 N16 E29 01ABBB1	391706118403801	30.	3907.	09/08/2003	12.2		T
101 N16 E30 09CDAA1	391532118371601	27.	3943.	09/09/2003	21.8		T
101 N17 E28 13DAA 1	392008118465501	17.	3918.04	10/31/2002	8.38		S
				12/12/2002	8.32		S
				01/07/2003	8.40		S
				01/27/2003	8.35		S
				03/17/2003	8.47		S
				04/02/2003	8.41		S
				05/14/2003	8.15		S
				08/22/2003	8.15		S
				09/10/2003	8.61		S
101 N17 E29 05BCAA1	392208118452701	28.	3927.67	12/12/2002	7.3		T
				03/17/2003	7.8		T
				05/14/2003	7.3		T
				09/10/2003	6.5		T
101 N17 E29 12BBBB1	392132118411001	50.	3910.27	12/12/2002	2.7		T
				03/17/2003	1.9		T
				05/14/2003	1.6		T
				09/10/2003	1.7		T
101 N17 E29 12BBBB4	392132118411004	15.	3910.16	12/12/2002	2.8		T
				03/17/2003	2.0		T
				05/14/2003	1.6		T
				09/10/2003	1.6		T
101 N17 E29 19DDCC1	391853118455801	23.	3908.	12/12/2002	7.9		T
				03/17/2003	8.1		T
				05/14/2003	8.2		T
				09/10/2003	8.5		T
101 N17 E30 20CDCC1	391857118383801	24.	3913.	09/08/2003	13.6		T
101 N18 E28 02BABB1	392735118484501	27.	3970.	12/12/2002	7.2		T
				03/17/2003	7.8		T
				05/14/2003	7.6		T
				09/10/2003	6.6		T
101 N18 E28 08DACB1	392609118513401	29.	3972.	12/12/2002	7.2		T
				03/17/2003	7.8		T
				09/10/2003	5.8		T
101 N18 E28 12ABAC1	392642118470901	15.	3960.	10/31/2002	7.2		T
				12/12/2002	7.4		T
				01/07/2003	7.6		T
				01/27/2003	7.7		T
				03/17/2003	8.0		T
				04/02/2003	8.03		S
				05/14/2003	7.5		T
				08/22/2003	6.4		T
				09/09/2003	6.9		T
101 N18 E29 18AADD1	392540118454501	23.	3951.17	12/12/2002	7.8		T
				03/17/2003	8.8		T
				05/15/2003	7.8		T
				09/10/2003	6.7		T

GROUND-WATER LEVELS

NEWLANDS SHALLOW AQUIFER MONITORING PROJECT--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet) Above Sea Level)	Water Level (Below Land Surface)			
				Date	(Feet)	Status	Method
101 N18 E29 21BCCB1	392439118443401	30.	3934.	10/31/2002	7.5		T
				12/12/2002	8.0		T
				01/07/2003		O	
				01/27/2003	8.4		T
				03/17/2003	8.5		T
				04/02/2003	8.44		S
				08/22/2003	6.7		T
101 N18 E29 27CDAD1	392327118425401	13.	3920.	10/31/2002	7.4		T
				12/12/2002	7.4		T
				01/07/2003	7.4		T
				01/27/2003	7.3		T
				03/17/2003	7.3		T
				04/02/2003	6.36		S
				05/14/2003	7.5		T
				08/22/2003	7.6		T
101 N18 E29 35ABCB1	392309118414601	32.	3917.	09/09/2003	7.9		T
				10/31/2002	13.14		S
				12/12/2002	12.49		S
				01/07/2003	12.20		S
				01/27/2003	12.04		S
				03/17/2003	11.94		S
				04/02/2003	11.98		S
				05/14/2003	12.98		S
101 N18 E29 35ABCC1	392305118414601	128.	3917.	08/22/2003	12.92		S
				09/10/2003		O	
				10/31/2002	-1.19		S
				12/12/2002	-1.36		S
				01/07/2003	-1.4		T
				01/27/2003	-1.45		S
				03/17/2003	-1.54		S
				04/02/2003	-1.53		S
101 N18 E30 07CDDC1	392558118393701	24.	3923.	08/22/2003	-1.40		S
				09/09/2003	-1.3		T
				09/09/2003	9.0		T
				09/09/2003	6.0		T
				09/09/2003	12.3		T
				09/09/2003	10.1		T
				12/13/2002	10.5		T
				03/17/2003	10.2		T
101 N18 E30 30ABBA1	392407118392301	24.	3925.	05/16/2003	10.4		T
				09/10/2003	11.7		T
				12/13/2002		D	
				03/17/2003		D	
				05/16/2003		D	
				09/10/2003	22.5		T
				10/31/2002	27.1		T
				12/13/2002	26.4		T
101 N18 E30 30DDDC1	392316118390001	30.	3926.	01/07/2003	26.3		T
				01/27/2003	26.5		T
				03/17/2003	26.7		T
				04/03/2003	26.7		T
				05/16/2003	27.0		T
				08/22/2003		O	
				09/09/2003		O	
				10/31/2002	12.3		T
101 N19 E27 09CCCC1	393106118580301	21.	4019.	12/13/2002	12.9		T
				01/07/2003	13.4		T
				01/27/2003	13.8		T
				03/17/2003	14.7		T
				04/03/2003	14.9		T
				05/16/2003	14.5		T
				08/22/2003	11.9		T
				09/09/2003	11.4		T
101 N19 E27 11DCAC1	393120118545501	24.	4020.56	10/31/2002	12.3		T
				12/13/2002	12.9		T
				01/07/2003	13.4		T
				01/27/2003	13.8		T
				03/17/2003	14.7		T
				04/03/2003	14.9		T
				05/16/2003	14.5		T
				08/22/2003	11.9		T
101 N19 E27 13CCB1	393023118544101	143.	4013.58	09/09/2003	11.4		T
				10/31/2002	12.3		T
				12/13/2002	12.9		T
				01/07/2003	13.4		T
				01/27/2003	13.8		T
				03/17/2003	14.7		T
				04/03/2003	14.9		T
				05/16/2003	14.5		T
101 N19 E27 13CCBB3	393023118544103	28.	4013.6	08/22/2003	11.9		T
				09/09/2003	11.4		T
				10/31/2002	12.3		T
				12/13/2002	12.9		T
				01/07/2003	13.4		T
				01/27/2003	13.8		T
				03/17/2003	14.7		T
				04/03/2003	14.9		T
101 N19 E27 13CCBB3	393023118544103	28.	4013.6	05/16/2003	14.5		T
				08/22/2003	11.9		T
				09/09/2003	11.4		T
				10/31/2002	12.3		T
				12/13/2002	12.9		T
				01/07/2003	13.4		T
				01/27/2003	13.8		T
				03/17/2003	14.7		T
101 N19 E27 13CCBB3	393023118544103	28.	4013.6	04/03/2003	14.9		T
				05/16/2003	14.5		T
				08/22/2003	11.9		T
				09/09/2003	11.4		T
				10/31/2002	12.3		T
				12/13/2002	12.9		T
				01/07/2003	13.4		T
				01/27/2003	13.8		T
101 N19 E27 13CCBB3	393023118544103	28.	4013.6	03/17/2003	14.7		T
				04/03/2003	14.9		T
				05/16/2003	14.5		T
				08/22/2003	11.9		T
				09/09/2003	11.4		T
				10/31/2002	12.3		T
				12/13/2002	12.9		T
				01/07/2003	13.4		T
101 N19 E27 13CCBB3	393023118544103	28.	4013.6	01/27/2003	13.8		T
				03/17/2003	14.7		T
				04/03/2003	14.9		T
				05/16/2003	14.5		T
				08/22/2003	11.9		T
				09/09/2003	11.4		T
				10/31/2002	12.3		T
				12/13/2002	12.9		T

GROUND-WATER LEVELS

NEWLANDS SHALLOW AQUIFER MONITORING PROJECT--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet) Above Sea Level)	Water Level (Below Land Surface)			
				Date	(Feet)	Status	Method
101 N19 E27 15ADDA1	393043118555101	21.	4021.73	12/12/2002		D	
				03/17/2003		D	
				09/10/2003		D	
101 N19 E27 22DBAB1	392948118561101	13.	4022.	12/12/2002	10.9		T
				03/17/2003	12.2		T
				05/14/2003	11.5		T
				09/10/2003	10.5		T
101 N19 E27 36DDCD1	392828118534901	26.	3998.	12/12/2002	16.4		T
				03/17/2003	16.1		T
				05/14/2003	16.1		T
				09/10/2003	16.4		T
101 N19 E28 07BCBB1	393142118533201	26.	4015.22	12/13/2002	21.4		T
				03/17/2003	21.4		T
				09/10/2003	21.4		T
101 N19 E28 11ABB 1	393155118483001	97.	3982.11	09/08/2003	30.1		T
101 N19 E28 11ABB 2	393155118483002	35.	3982.11	09/08/2003		D	
101 N19 E28 17DAAC1	393038118512201	14.	4001.52	10/31/2002	7.7		T
				12/13/2002	8.5		T
				01/07/2003	9.1		T
				01/27/2003	9.5		T
				03/17/2003	10.3		T
				04/03/2003	10.5		T
				05/16/2003	9.8		T
				08/22/2003	7.3		T
				09/09/2003	7.1		T
				10/31/2002	7.1		T
101 N19 E28 19CCCB1	392926118533001	18.	4000.	12/12/2002	7.4		T
				01/07/2003	7.6		T
				01/27/2003	7.8		T
				03/17/2003	6.1		T
				04/02/2003	8.27		S
				05/14/2003	8.0		T
				08/22/2003	7.0		T
				09/09/2003	7.0		T
				10/31/2002	13.9		T
				12/13/2002	14.1		T
101 N19 E28 20ABC 1	393004118514201	29.	4002.	01/07/2003	14.3		T
				01/27/2003	14.4		T
				03/17/2003	14.6		T
				04/03/2003	14.5		T
				05/16/2003	14.7		T
				08/22/2003	14.6		T
				09/09/2003	14.1		T
				12/13/2002	13.6		T
				01/07/2003	13.7		T
				01/27/2003	13.8		T
101 N19 E28 20ABDA1	393006118515101	24.	4006.	03/17/2003	14.1		T
				04/03/2003	14.2		T
				05/16/2003	14.5		T
				08/22/2003	14.3		T
				09/09/2003	14.2		T
				10/31/2002	14.8		T
				12/13/2002	15.1		T
				01/07/2003	15.2		T
				01/27/2003	15.4		T
				03/18/2003	15.6		T
101 N19 E28 23DCCA1	392925118482001	30.	3975.	04/03/2003	15.7		T
				05/16/2003	14.9		T
				08/22/2003	14.7		T
				09/09/2003	14.1		T

GROUND-WATER LEVELS

NEWLANDS SHALLOW AQUIFER MONITORING PROJECT--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet) Above Sea Level)	Water Level (Below Land Surface)			
				Date	(Feet)	Status	Method
101 N19 E28 32BAAB1	392829118520001	13.	3996.	10/31/2002	7.8		T
				12/12/2002	8.7		T
				01/07/2003	9.2		T
				01/27/2003	9.5		T
				03/17/2003	10.1		T
				04/02/2003	8.36		S
				08/22/2003	7.5		T
				09/09/2003	7.4		T
101 N19 E28 34BCAA1	392817118495501	13.	3980.	12/12/2002	4.8		T
				03/17/2003	5.7		T
				05/14/2003	4.7		T
				09/10/2003	4.2		T
101 N19 E29 02BABB1	393252118415901	21.	3927.38	12/13/2002	9.0		T
				03/17/2003	9.7		T
				05/16/2003	9.1		T
				09/10/2003	8.8		T
101 N19 E29 14ACB 2	393049118413501	12.	3931.36	12/13/2002		D	
				03/17/2003		D	
				05/16/2003		D	
				09/10/2003		D	
101 N19 E29 23CCDC1	392924118420901	19.	3937.	12/13/2002	7.0		T
				03/17/2003	7.0		T
				05/16/2003	8.5		T
				09/10/2003	6.5		T
101 N19 E29 24ABDD1	393003118402001	12.	3920.	10/31/2002	7.2		T
				12/13/2002	6.8		T
				01/07/2003	6.4		T
				01/27/2003	6.5		T
				03/18/2003	6.2		T
				04/03/2003	5.8		T
				05/15/2003	5.6		T
				08/22/2003	6.9		T
				09/09/2003	7.2		T
101 N19 E29 32BCBB1	392816118453901	21.	3955.	12/12/2002	8.2		T
				03/17/2003		N	
101 N19 E29 33ABAC1	392825118435501	28.	3949.02	12/12/2002	9.1		T
				03/17/2003	10.1		T
				05/15/2003	8.0	X	T
				09/10/2003	6.8	X	T
101 N19 E29 35DAA 1	392759118411601	10.	3935.59	12/12/2002	7.6		T
				03/17/2003	7.9		T
				09/10/2003	6.5		T
101 N19 E30 04BBBC1	393248118374901	15.	3900.23	09/10/2003	8.0		T
101 N19 E30 08BAAA1	393200118382601	9.	3907.	09/10/2003	3.5		T
101 N19 E30 10CDDA1	393114118361001	15.	3904.	12/13/2002	5.8		T
				03/17/2003	5.9		T
				05/15/2003	5.3		T
				12/13/2002	6.3		T
				03/18/2003	6.4		T
				05/15/2003	6.4		T
				09/10/2003	6.1		T
101 N19 E30 13ACAA1	393052118333501	12.	3900.	10/31/2002	4.0		T
				12/13/2002	4.8		T
				01/07/2003	5.3		T
				03/18/2003	6.0		T
				04/03/2003	4.8		T
				05/15/2003	3.8		T
				08/22/2003	3.3		T
				09/09/2003	3.8		T
101 N19 E30 23DBDD2	392938118344301	11.	3908.79	10/31/2002	3.2		T
				12/13/2002	4.2		T
				01/07/2003	4.8		T
				01/27/2003	5.1		T

GROUND-WATER LEVELS

NEWLANDS SHALLOW AQUIFER MONITORING PROJECT--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet) Above Sea Level)	Water Level (Below Land Surface)			
				Date	(Feet)	Status	Method
101 N19 E30 23DBDD2	392938118344301	11.	3908.79	03/18/2003	5.9		T
				04/03/2003	5.5		T
				05/15/2003	3.9		T
				08/22/2003	3.9		T
101 N19 E30 33ABAB2	392828118370702	18.	3917.36	09/09/2003	3.4		T
				12/13/2002	8.8		T
				03/17/2003	8.7		T
				05/15/2003	8.6		T
101 N19 E30 33ADD 1	392758118365101	11.	3914.84	09/10/2003	8.8		T
				09/10/2003	8.8		T
	101 N19 E30 34BAA 1	25.	3914.19	10/31/2002	9.6		T
				12/13/2002	9.6		T
101 N19 E30 34BAA 2	392828118361202	13.	3914.18	01/07/2003	9.7		T
				01/27/2003	9.6		T
				03/17/2003	9.6		T
				04/03/2003	9.6		T
				05/15/2003	9.4		T
				08/22/2003	9.7		T
				09/09/2003	9.6		T
				10/31/2002	9.6		T
				12/13/2002	9.6		T
				01/07/2003	9.7		T
				01/27/2003	9.4		T
				03/17/2003	9.6		T
101 N19 E31 11AACA1	393153118275301	81.	3940.	04/03/2003	9.6		T
				05/15/2003	9.4		T
				08/22/2003	9.7		T
				09/09/2003	9.7		T
101 N19 E31 16BBDB1	393106118305301	25.	3897.	09/10/2003	40.7		T
				12/13/2002	6.5		T
				03/17/2003	5.8		T
				05/15/2003	5.5		T
101 N19 E31 16BCAA1	393056118304901	30.	3903.	09/10/2003	6.4		T
				12/13/2002	7.0		T
				05/15/2003	6.8		T
				09/08/2003	4.7		T
101 N20 E28 21DDDC1	393442118501801	67.	3956.68	09/08/2003	4.7		T
101 N20 E28 21DDDC2	393442118501802	9.	3956.68	09/08/2003	5.5		T
101 N20 E28 22BCA 1	393515118495601	87.	3974.36	09/08/2003	31.05		S
101 N20 E28 22BCA 2	393515118495602	35.	3974.36	09/08/2003	31.5		T
101 N20 E28 32AAD 1	393335118512701	32.	3977.04	09/08/2003	10.2		T
101 N20 E28 32AADA2	393335118512702	22.	3977.04	09/08/2003	10.0		T
101 N20 E28 32CAD 1	393309118515901	128.	3990.37	09/08/2003	20.6		T
101 N20 E29 22CBAC1	393458118431101	12.	3914.02	12/13/2002	9.4		T
				01/07/2003	9.3		T
				01/27/2003	9.2		T
				05/16/2003	9.0		T
				08/22/2003	10.0		T
				09/09/2003	10.1		T
101 N20 E30 35DBDD1	393309118344701	27.	3891.	09/10/2003	8.8		T
101 N20 E31 07BDCA1	393651118325701	20.	3884.82	12/13/2002	13.9		T
				03/18/2003	13.4		T
				05/15/2003	13.2		T
				09/10/2003	15.1		T
101 N20 E31 33CACB3	393311118304703	28.	3890.44	12/13/2002	1.9		T
				03/17/2003	3.5		T
				05/15/2003	3.8		T
				09/10/2003	2.9		T
101 N20 E32 33BBBD1	393341118241401		3936.	09/10/2003	38.7		T
101 N21 E28 24BBA 1	394046118472601	109.	3903.36	09/08/2003	9.0		T
101 N21 E28 24BBA 3	394046118472603	13.	3903.36	09/08/2003	9.8		T

QUALITY OF WATER

RUBY VALLEY

Water-quality measurements in the following table were made in cooperation with the the Nevada Department of Water Resources and the U.S. Fish and Wildlife Service to collect water-quality data in Ruby Valley. Depths and Water Levels: Depths are referenced to land-surface datum (LSD). The following sites are shown in figure 30.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Station number	Station name	Date	Time	Sample type	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Barometric pressure, mm Hg (00025)
401913115265701	176 N28 E58 09CBDB1	10-08-02	1000	ENVIRONMENTAL	240.	79.71	615
402360115190101	176 N29 E59 15BBBC1	10-10-02	1130	ENVIRONMENTAL	--	7.50	613
402555114591801	178A N30 E62 33CAC 1	10-09-02	1400	ENVIRONMENTAL	--	35.89	612
403334115155101	176 N31 E59 24ABBC1	10-09-02	0845	ENVIRONMENTAL	33.	5.90	615

Date	Dis-solved oxygen, mg/L (00300)	Dis-solved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)
10-08-02	8.2	98	7.9	340	19.5	13.2	45.2	13.5	1.37	14.4	172	210	<1
10-10-02	--	--	8.9	2000	19.5	13.0	1.20	.910	23.1	502	1010	1100	68
10-09-02	.1	1	7.5	1040	20.5	16.0	59.4	40.5	24.4	144	194	237	<1
10-09-02	.1	1	7.6	504	17.5	10.0	69.0	7.98	2.48	36.1	249	304	<1

Date	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Iron, water, fltrd, ug/L (01046)	Manganese, water, fltrd, ug/L (01056)	Deuterium/Protium ratio, water, unfltrd per mil (82082)	O-18 / O-16 ratio, water, unfltrd per mil (82085)
10-08-02	.04	7.15	.29	18.0	16.0	222	<10	<2.0	-124	-16.33
10-10-02	.49	89.2	2.04	47.0	7.8	1330	<30	E4.3	-137	-17.30
10-09-02	.66	114	1.21	49.6	300	883	2620	80.0	-128	-16.73
10-09-02	.05	8.39	1.98	47.7	23.6	346	78	57.2	-127	-16.55

Remark codes used in this report:
 < -- Less than
 E -- Estimated value

RUBY VALLEY

Water-level data were collected in the Ruby Valley area, northeast Nevada as part of a cooperative study with the Nevada Division of Water Resources and the U.S. Fish and Wildlife Service. The purpose of the study is to provide an annual water budget for Ruby Valley and to determine the hydrologic response to changes in seasonal recharge.

Water Level Status: O, obstructed; V, foreign substance.

Water Level Method: S, steel tape; T, electric tape.

The following sites are shown in figure 30.

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet) Above Sea Level)	Water Level (Below Land Surface)			
				Date	(Feet)	Status	Method
176 N25 E57 11BBBC1	400405115314901	120.	6012.	10/22/2002	3.6		T
				01/14/2003	3.6		T
				05/20/2003	3.7		T
176 N25 E57 14ADBC1	400258115305901		6062.	10/22/2002	26.3		T
				05/20/2003	26.4		T
176 N25 E57 14BDDC1	400252115312701	185.	6090.	10/22/2002	59.6		T
				05/20/2003	59.8		T
176 N25 E57 24BABB1	400222115302001	79.	6090.	10/22/2002	41.9		T
				05/20/2003	43.0		T
176 N25 E58 03DDBA1	400417115251901		6090.	10/22/2002	86.8		T
				01/14/2003	87.2		T
				05/20/2003	86.8		T
176 N25 E58 27BAAA1	400131115254501	150.	6123.	10/22/2002	123.8		T
				01/14/2003	123.8		T
				05/20/2003	123.8		T
176 N25 E58 29ABDC2	400119115274801	150.	6132.	10/22/2002	129.3		T
				01/14/2003	129.3		T
				05/20/2003	129.4		T
176 N25 E58 29ABDC3	400119115274802	350.	6132.	10/22/2002	129.4		T
				01/14/2003	129.4		T
				05/20/2003	129.4		T
176 N26 E58 05ABAA1	401012115272901		5967.	10/22/2002	4.48		S
				01/14/2003	3.54		S
				05/20/2003	2.77		S
176 N26 E58 10DDBB1	400838115251101		6004.	10/22/2002	27.8		T
				01/14/2003	27.8		T
				05/20/2003	27.68		S
176 N26 E58 16BBAA1	400827115265401		5969.	10/22/2002	11.09		S
				01/14/2003	10.28		S
				05/20/2003	9.45		S
176 N27 E58 06BADD1	401515115284901		6120.	10/22/2002	137.17		S
				01/16/2003	137.65		S
				05/19/2003	137.88		S
176 N27 E58 18BCCA1	401323115292801		6050.	10/22/2002	67.62		S
				01/16/2003	65.07		S
				05/19/2003	63.82		S
176 N27 E58 28DBDD1	401121115262301	73.	6000.	10/22/2002	27.17		S
				01/14/2003	26.72		S
				05/20/2003	26.49		S
176 N27 E59 02DDBD1	401437115170401		6283.	10/22/2002		O	
				05/20/2003	121.53		S
176 N27 E59 10ABCD1	401417115182701		6226.	10/22/2002	72		T
				05/20/2003	71.9		T
176 N28 E58 02CADA1	402001115241301	45.	5953.	10/22/2002	7.4		T
				05/20/2003	7.3		T
176 N28 E58 09CBDB1	401913115265701	240.	6040.	10/23/2002	79.7		T
				01/14/2003	76.8		T
				05/21/2003	76.8		T
176 N28 E58 14DDCB1	401805115235401	65.	5963.	10/22/2002	4.1		T
				05/20/2003	3.7		T
176 N28 E58 15CCBB1	401813115255201	152.	5990.	10/22/2002	30.6		T
				01/16/2003	30.26		S
				05/20/2003	28.94		S

GROUND-WATER LEVELS

RUBY VALLEY--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet) Above Sea Level)	Water Level (Below Land Surface)			
				Date	(Feet)	Status	Method
176 N28 E58 16CBAA1	401827115265601	200.	6010.	10/22/2002	50.7		T
				01/16/2003	50.1		T
				05/20/2003	48.6		T
176 N28 E58 22DBDA1	401728115250501	64.	5968.	10/22/2002	7.0		T
				01/16/2003	6.6		T
				05/20/2003	6.4		T
176 N28 E59 06CBC 1	402001115214601	180.	5956.	10/22/2002	4.0		T
				05/20/2003	3.5		T
176 N28 E59 09CDAA1	401900115200001	44.	5994.	10/22/2002	36.9		T
				01/16/2003	37.2	V	T
				05/20/2003	37.1		T
176 N28 E59 17CACA1	401818115210001	72.	6012.	10/22/2002	52.04		S
				01/16/2003	52.08		S
				05/20/2003	52.08		S
176 N28 E59 29DDBC1	401623115203101	290.	6094.	10/22/2002	113.1		T
				01/16/2003	113.2		T
				05/20/2003	113.1		T
176 N29 E59 15BBBC1	402360115190101		5954.	05/21/2003	7.4		T
176 N29 E60 16BDBD1	402343115125801	116.	6028.	05/20/2003	91.57		S
				10/24/2002	132.75		S
				01/14/2003	130.00		S
176 N29 E61 05BDBD1	402529115071201		6056.	05/20/2003	130.02		S
176 N30 E59 22DCA 1	402744115181001	121.	5954.	05/21/2003	11.7		T
				10/24/2002	7.39		S
				05/21/2003	6.2		T
176 N30 E60 02DDD 1	403013115095201	150.	6017.	10/22/2002	96.2		T
				01/16/2003	91.6		T
				05/20/2003	91.6		T
176 N30 E60 03DCB 1	403018115112901	76.	5990.	10/22/2002	36.22		S
				01/16/2003	36.4		T
176 N30 E60 05ABCD1	403050115134401	26.	5968.	05/21/2003	15.0		T
176 N30 E60 06ACAD1	403041115144101		5964.	05/21/2003	14.69		S
176 N31 E59 24ABBC1	403334115155101	33.	5980.	10/24/2002	6.90		S
				01/16/2003	5.9		T
176 N31 E60 04CACD1	403535115123701		5991.	10/22/2002	10.25		S
				05/20/2003	10.12		S
176 N31 E60 23BCCA1	403316115103501	101.	5987.	10/22/2002	41.88		S
				05/20/2003	42.04		S
176 N31 E60 31BABB1	403152115150101		5970.	10/24/2002	6.39		S
				05/21/2003	5.71		S
176 N31 E60 34AABD1	403148115105301		5978.	10/22/2002	37.22		S
				01/16/2003	37.24		S
				05/20/2003	37.31		S
176 N31 E61 17CAAB1	403401115064501	207.	6043.	10/24/2002	173.70		S
176 N32 E60 09DBDA1	403958115121101		6030.	10/21/2002	12.6		T
				01/15/2003	12.8		T
176 N33 E60 21BDCD1	404335115123801		6155.	10/24/2002	16.8		T
				01/15/2003	16.94		S
176 N33 E60 21BDCD1	404335115123801		6155.	05/19/2003	16.2		T
176 N33 E60 24DDDA1	404315115082701	200.	6188.	10/24/2002	149.5		T
				01/15/2003	149.8		T
176 N33 E61 18CBDC1	404417115081501		6280.	10/24/2002	214.6		T
				05/19/2003	215.24		S
178A N30 E62 18CDCB1	402827115013601		6033.	10/24/2002	75.50		S
				05/20/2003	75.70		S
178A N30 E62 33CAC 1	402555114591801		6030.	10/09/2002	35.9		T
				05/20/2003	35.1		T

QUALITY OF WATER

TRACY SEGMENT

Water-quality measurements in the following table were made in cooperation with Storey County to collect water-quality data of ground water in the Tracy Segment Hydrographic Area. Depths and Water Levels: Depths are referenced to land-surface datum (LSD). The following sites are shown in figure 32.

WATER-QUALITY DATA, WATER YEARS OCTOBER 2001 TO SEPTEMBER 2003

Station number	Local Identification				Date	Time	Sample type	Depth of well, feet below LSD (72008)	Depth to water level, feet below LSD (72019)	Flow rate, instantaneous gal/min (00059)
392238119344301	083	N18	E21	36CCBD1	06-19-02	1200	ENVIRONMENTAL	138	-23.00	50.0
393032119384901	083	N19	E21	17DDAD1	11-20-02	1145	ENVIRONMENTAL	138.	--	--
393108119415101	083	N19	E20	14AAAC1	12-17-01	1400	ENVIRONMENTAL	161.	3.49	1.0
393108119415102	083	N19	E20	14AAAC2	12-17-01	1200	ENVIRONMENTAL	26.	16.26	.20
393243119340901	083	N19	E21	01ADDA1	12-12-02	1315	ENVIRONMENTAL	35.	24.27	--
393247119350301	083	N19	E21	01BCAB1	12-05-02	1230	ENVIRONMENTAL	25.	11.14	--
393312119331201	083	N20	E22	31DDBA1	12-04-02	1330	ENVIRONMENTAL	--	53.56	--
393316119283901	083	N20	E22	35DACD1	03-19-03	1400	ENVIRONMENTAL	275.	147.44	--
393324119330401	083	N19	E22	31DAAC1	09-05-02	1400	ENVIRONMENTAL	25.	11.22	--
393615119200001	083	N20	E24	18DBBB1	06-20-02	1240	ENVIRONMENTAL	500.	109.00	--
393718119170201	083	N20	E24	09AAAA1	12-11-02	1215	ENVIRONMENTAL	43.	26.35	.80

Date	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd std units (00400)	Specific conductance, uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	Magnesium water, fltrd, mg/L (00925)	Potassium water, fltrd, mg/L (00935)	Sodium water, fltrd, mg/L (00930)	Alkalinity, inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)
06-19-02	620	5.8	78	8.2	306	22.0	19.5	26.4	9.35	6.04	21.7	136	166
11-20-02	646	.1	2	6.7	640	--	16.0	35.4	16.7	6.64	81.4	158	193
12-17-01	655	--	--	8.5	882	--	19.5	5.97	.534	4.20	170	210	256
12-17-01	655	3.0	34	7.6	789	--	13.5	6.23	2.16	1.93	146	169	206
12-12-02	--	--	--	6.9	440	--	16.0	38.1	17.8	7.11	29.0	165	201
12-05-02	657	2.1	25	6.0	236	12.5	16.0	16.2	5.92	3.27	19.3	58	71
12-04-02	658	3.0	35	7.1	213	15.5	15.0	17.5	9.05	6.48	12.2	79	96
03-19-03	653	3.6	47	7.5	283	--	20.0	17.0	7.63	6.19	28.0	94	115
09-05-02	653	.5	6	6.7	354	21.5	15.5	27.6	10.8	4.21	28.0	138	168
06-20-02	655	.1	<.1	7.9	3270	24.0	26.0	4.95	2.23	2.91	729	1130	1380
12-11-02	661	--	--	7.4	359	--	15.5	12.3	5.62	3.63	58.0	127	155

Date	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Aluminum, water, fltrd, ug/L (01106)
06-19-02	<1	.04	3.47	.11	59.0	15.4	225	<.10	<.04	.96	<.008	E.01	<1
11-20-02	<1	.13	41.7	.30	46.9	117	461	E.08	<.04	<.06	<.008	.02	<2
12-17-01	<1	.12	31.7	2.8	21.6	139	496	<.10	<.04	<.05	<.008	.02	4
12-17-01	<1	.15	51.7	2.4	24.1	105	434	<.10	<.04	.68	<.008	.13	7
12-12-02	<2	.08	16.0	<.17	59.9	27.0	312	E.07	<.04	3.00	<.008	.18	<2
12-05-02	<1	.06	17.8	<.17	29.5	20.8	162	<.10	<.04	.72	<.008	.08	<2
12-04-02	<1	.03	7.76	<.17	50.4	18.1	181	<.10	<.04	.43	<.008	.07	<2
03-19-03	<1	.07	7.43	<.11	69.3	29.8	228	<.10	<.04	1.33	<.008	.04	2
09-05-02	<1	.06	16.5	.14	35.5	12.1	215	E.05	<.04	<.05	<.008	.07	2
06-20-02	<1	.23	83.0	2.97	20.4	356	1980	E.10	.09	<.05	<.008	.06	5
12-11-02	<2	.05	16.4	.60	48.8	21.4	251	<.10	<.04	.89	<.008	.10	<2

QUALITY OF WATER
TRACY SEGMENT--Continued

WATER-QUALITY DATA, WATER YEARS OCTOBER 2001 TO SEPTEMBER 2003

Date	Anti- mony, water, fltrd, ug/L (01095)	Arsenic water, fltrd, ug/L (01000)	Barium, water, fltrd, ug/L (01005)	Beryll- ium, water, fltrd, ug/L (01010)	Boron, water, fltrd, ug/L (01020)	Cadmium water, fltrd, ug/L (01025)	Chrom- ium, water, fltrd, ug/L (01030)	Cobalt water, fltrd, ug/L (01035)	Copper, water, fltrd, ug/L (01040)	Iron, water, fltrd, ug/L (01046)	Lead, water, fltrd, ug/L (01049)	Lithium water, fltrd, ug/L (01130)	Mangan- ese, water, fltrd, ug/L (01056)
06-19-02	.08	2.5	12	<.06	24	<.04	E.5	.05	3.9	<10	<.08	7.9	<.1
11-20-02	1.08	29.5	33	<.06	721	<.04	<.8	.69	2.6	279	E.06	58.6	148
12-17-01	<.05	214	27	<.06	1340	<.04	<.8	.05	.6	<10	<.08	79.0	15.1
12-17-01	.36	38.8	20	<.06	957	E.03	1.2	.06	.9	16	<.08	10.1	7.9
12-12-02	E.26	10.0	136	<.06	257	<.04	E.6	.08	3.5	<10	E.07	21.9	.2
12-05-02	E.26	3.1	57	<.06	258	E.02	<.8	.10	1.2	<10	1.43	20.2	<2.0
12-04-02	E.21	8.2	32	<.06	138	<.04	1.1	.04	E.2	E6	.42	9.1	.8
03-19-03	.29	8.5	34	<.06	64	.04	1.5	.05	.6	<10	<.08	13.6	1.7
09-05-02	.12	2.6	94	<.06	300	E.03	<.8	.33	.9	35	E.04	20.7	233
06-20-02	<.10	18.4	26	<.12	2470	.13	<.8	E.02	2.4	340	<.16	916	23.1
12-11-02	.61	103	25	<.06	305	<.04	<.8	.04	2.6	<10	E.05	34.4	.3

Date	Mercury water, unfltrd recover- able, ug/L (71900)	Molyb- denum, water, fltrd, ug/L (01060)	Nickel, water, fltrd, ug/L (01065)	Selen- ium, water, fltrd, ug/L (01145)	Silver, water, fltrd, ug/L (01075)	Stront- ium, water, fltrd, ug/L (01080)	Thall- ium, water, fltrd, ug/L (01057)	Vanad- ium, water, fltrd, ug/L (01085)	Zinc, water, fltrd, ug/L (01090)	Deu- terium/ Protium ratio, water, unfltrd per mil (82082)	O-18 / O-16 ratio, water, unfltrd per mil (82085)	Rn-222 2-sigma water, unfltrd pCi/L (76002)	Rn-222, water, unfltrd pCi/L (82303)
06-19-02	<.01	.8	.08	E.2	<1	237	<.04	11.6	1	-118	-15.29	31	1110
11-20-02	<.02	4.9	2.37	E.3	<.20	544	.07	.3	3	-87.90	-10.83	37	1560
12-17-01	<.01	6.2	.23	<.3	<1	335	.06	3.3	4	-111	-14.70	26	480
12-17-01	E.01	12.7	.76	.7	<1	85.7	<.04	18.1	15	-117	-14.41	25	370
12-12-02	<.02	1.0	.99	1.2	<.20	378	.05	8.5	3	-82.00	-9.80	29	670
12-05-02	<.02	1.8	1.10	E.3	<.20	177	E.04	3.5	10	-81.20	-9.85	30	940
12-04-02	<.02	2.3	1.31	.6	<.20	144	E.03	9.0	282	-90.80	-11.48	27	720
03-19-03	.04	3.5	.59	.6	<1	162	<.04	37.2	24	-122	-15.81	31	660
09-05-02	.02	7.1	2.23	E.3	<1	287	<.04	2.3	22	-86.10	-10.79	32	960
06-20-02	<.01	44.8	.14	<.7	<2	283	<.08	5.5	<2	-125	-15.10	36	1360
12-11-02	<.02	6.6	.40	1.3	<.20	124	.04	60.5	2	-88.60	-11.14	28	760

Uranium
natural
water,
fltrd,
ug/L
(22703)

Date

06-19-02 3.70
11-20-02 .21
12-17-01 .29
12-17-01 1.19
12-12-02 2.59

12-05-02 .07
12-04-02 .21
03-19-03 .70
09-05-02 1.71
06-20-02 8.44

12-11-02 1.72

Remark codes used in this report:

< -- Less than
E -- Estimated value

GROUND-WATER LEVELS

TRACY SEGMENT HYDROGRAPHIC AREA, NORTHWEST NEVADA

Water-level data were collected in the Tracy Segment Hydrographic Area, northwest Nevada, as part of a cooperative study with Storey County. The purpose of the study is to evaluate and refine estimates of the ground-water budget and the sustainable long-term perennial yield of aquifer systems in the Tracy Segment Hydrographic area and to characterize the quality of ground water in terms of drinking-water standards for dissolved inorganic constituents.

Water Level Status--P, pumping; R, Recently pumped; W, well destroyed.

Water Level Reference--X, reference level shown is a daily mean.

Water Level Method--H, calibrated pressure gage; S, steel tape; T, electric tape.

The following sites are shown in figure 32.

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)				
				Date	(Feet)	Reference	Status	Method
083 N18 E21 36CCBD1	392238119344301	138 .	5795.	09/19/2000	-24.0	X		H
				12/27/2000	-24.4	X		H
				02/28/2001	-24.2	X		H
				05/11/2001	-23.7	X		H
				07/03/2001	-24.0	X		H
				07/26/2001	-23.7	X		H
				10/05/2001	-23.7	X		H
				11/06/2001	-23.7	X		H
				01/24/2002	-19.6	X		H
				06/17/2002	-22.9	X		H
				06/11/2001	3.7		R	T
				06/18/2001	3.94			T
				07/08/2001	4	X		H
				08/06/2001	4.09			T
083 N19 E20 14AAAC1	393108119415101	161.	4387.6	08/15/2001	4.0	X		H
				09/15/2001	4.2	X		H
				10/15/2001	4.1	X		H
				11/07/2001	3.92			T
				12/17/2001	3.49			T
				01/15/2002	3.5	X		H
				02/15/2002	3.5	X		H
				03/15/2002	3.7	X		H
				04/15/2002	3.7	X		H
				05/15/2002	3.6	X		H
				06/15/2002	3.5	X		H
				07/15/2002	3.7	X		H
				08/15/2002	3.8	X		H
				09/15/2002	3.9	X		H
				10/15/2002	3.8	X		H
				11/15/2002	3.5	X		H
				12/02/2002	3.64			T
				06/11/2001	16.28		R	T
				06/18/2001	16.3	X		H
				07/08/2001	16.2	X		H
				07/15/2001	16.5	X	H	H
				11/15/2001	16.5	X		H
				12/17/2001	16.26			T
083 N19 E20 14AAAC2	393108119415102	26.	4387.6	01/15/2002	16.4	X		H
				02/15/2002	16.3	X		H
				03/15/2002	16.4	X		H
				04/15/2002	15.0	X		H
				05/15/2002	15.1	X		H
				06/03/2002	14.1			T
				06/15/2002	15.5	X		H
				07/15/2002	16.3	X		H
				08/15/2002	16.8	X		H
				09/15/2002	16.6	X		H
				10/15/2002	16.3	X		H
				11/15/2002	15.8	X		H
				12/02/2002	16.55			T

GROUND-WATER LEVELS

TRACY SEGMENT HYDROGRAPHIC AREA, NORTHWEST NEVADA--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet) Above Sea Level)	Water Level (Below Land Surface)				
				Date	(Feet)	Reference	Status	Method
083 N19 E21 01AAAA1	393301119341101	85.	4339.	12/21/2000	60.23			S
				12/21/2000	60.24			S
				02/15/2001	60.2			T
				04/12/2001	60.3			T
				05/18/2001	60.4			T
				06/25/2001	60.6			T
				07/27/2001	60.7			T
				08/28/2001	60.8			T
				10/12/2001	60.8			T
				11/06/2001	60.6			T
				12/13/2001	60.6			T
				01/23/2002	60.4			T
				03/27/2002	60.4			T
				05/13/2002	60.4			T
				07/09/2002	60.5			T
				09/20/2002	60.9			T
083 N19 E21 01ADBD1	393243119340901	35.	4347.	05/04/2001	20.0			T
				05/18/2001	20.2			T
				07/27/2001	15.3			T
				10/11/2001	14.9			T
				12/13/2001	17.6			T
				01/23/2002	18.8			T
				03/27/2002	20.0			T
				05/13/2002	20.5			T
				07/16/2002	21.4			T
				09/20/2002	22.4			T
083 N19 E21 01BCAB1	393247119350301	25.	4331.	05/04/2001	11.2			T
				05/18/2001	11.3			T
				06/25/2001	3.8			T
				07/27/2001	5.9			T
				08/28/2001	2.5			T
				10/11/2001	5.6			T
				11/06/2001	7.88			S
				12/31/2001	9.5			T
				01/23/2002	10.5			T
				03/27/2002	11.5			T
				05/13/2002	9.8			T
				07/16/2002	10.4			T
				09/20/2002	9.2			T
				12/05/2002	11.1			T
083 N19 E22 01AADD1	393244119270701	575.	4538.	07/07/2000	322.6			T
				09/14/2000	322.98			S
				11/13/2000	323.01			S
				02/16/2001	323.20			S
				04/03/2001	322.9			T
				04/10/2001	323.01			S
				04/24/2001	323.1			T
				04/25/2001	323.0			T
				04/26/2001	323.0			T
				04/27/2001	322.9			T
				05/01/2001	323.0			T
				05/21/2001	323.2			T
				06/25/2001	323.0			T
				08/01/2001	323.1			T
				08/29/2001	323.0			T
				10/11/2001	323.1			T
				11/06/2001	322.9			T
				12/12/2001	323.3			T
				01/16/2002	323.2			T
				03/26/2002	323.2			T
				05/17/2002	323.1			T
				07/08/2002	323.2			T
				09/19/2002	323.3			T

GROUND-WATER LEVELS

TRACY SEGMENT HYDROGRAPHIC AREA, NORTHWEST NEVADA--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet) Above Sea Level)	Water Level (Below Land Surface)				
				Date	(Feet)	Reference	Status	Method
083 N19 E22 06CBAB1	393234119335401	32.	4364.	05/04/2001	26.1			T
				05/18/2001	26.4			T
				06/25/2001	21.8			T
				07/27/2001	21.3			T
				08/28/2001	16.00			T
				11/06/2001	22.39			S
				01/23/2002	24.9			T
				03/27/2002	26.1			T
				05/13/2002	26.7			T
				07/16/2002	27.6			T
				06/05/2002	13.05			T
				07/15/2002	13.8	X		H
				08/06/2002	14.0	X		H
				09/05/2002	14.25			T
083 N19 E22 31DAAC1	393324119330401	25.	4294.	10/12/2002	13.8	X		H
				11/18/2002	13.7	X		H
				12/21/2002	14.3	X		H
				01/15/2003	13.8	X		H
				02/04/2003	13.9	X		H
				02/28/2003	14.03			T
				11/13/2000	471.6			T
				02/16/2001	471.8			T
				04/10/2001	471.7			T
				05/21/2001	471.9			T
				06/25/2001	471.6			T
				08/01/2001	471.8			T
				08/29/2001	471.6			T
				10/11/2001	471.2			T
083 N19 E23 07ABAA1	393203119261901	835.	4708.	11/06/2001	471.7			T
				12/12/2001	472.0			T
				01/16/2002	471.9			T
				03/26/2002	472.0			T
				05/17/2002	471.9			T
				07/08/2002	472.0			T
				09/20/2002	472.0			T
				11/13/2000	141.4			T
				02/16/2001	143.4			T
				04/10/2001	144.9			T
				05/21/2001	148.6			T
				06/25/2001	152.1			T
				08/01/2001	156.6			T
				08/29/2001	158.1			T
083 N19 E23 29DBAA1	392900119251001	250.	5551.5	10/11/2001	161.6			T
				11/05/2001	163			T
				12/13/2001	162.7			T
				01/16/2002	160.3			T
				03/26/2002	160.3			T
				05/16/2002	163.0			T
				07/08/2002			P	
				09/19/2002	167.2			T
				09/14/2000	164.4			T
				02/15/2001	164.5			T
				04/12/2001	164.6			T
				05/18/2001	164.5			T
				06/19/2001	164.5			T
				07/27/2001	164.5			T
083 N20 E22 21CDCD1	393447119312301	235.	4458.	08/28/2001	164.3			T
				10/03/2001	164.52			S
				11/06/2001	164.39			S
				01/04/2002	164.64			S
				03/27/2002	164.6			T
				05/14/2002	164.5			T
				07/09/2002	164.6			T
				09/26/2002	164.4			T

GROUND-WATER LEVELS

TRACY SEGMENT HYDROGRAPHIC AREA, NORTHWEST NEVADA--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet) Above Sea Level)	Water Level (Below Land Surface)				
				Date	(Feet)	Reference	Status	Method
083 N20 E22 21CDCD2	393447119312302	527.	4462.	09/14/2000	163.5			T
				02/15/2001	163.6			T
				04/12/2001	163.7			T
				05/18/2001	163.6			T
				06/19/2001	163.6			T
				07/27/2001	163.6			T
				08/28/2001	163.4			T
				10/03/2001	163.57			S
				11/06/2001	163.49			S
				01/04/2002	163.76			S
				03/27/2002	163.7			T
				05/14/2002	163.7			T
				07/09/2002	163.7			T
				09/26/2002	163.5			T
083 N20 E22 26CCCA1	393358119292801		4249.	02/15/2001	16.2			T
				04/10/2001	16.2			T
				06/25/2001	16.8			T
				07/27/2001	17.0			T
				08/29/2001	17.1			T
				10/12/2001	17.2			T
				11/06/2001	17.0			T
				12/13/2001	16.8			T
				01/23/2002	16.8			T
				03/26/2002	16.6			T
				05/14/2002	16.5			T
				07/09/2002	16.9			T
				09/20/2002	17.4			T
083 N20 E22 27BCAB1	393431119302901	665.	4380.	09/14/2000	114.1			T
				11/13/2000	114.0			T
				02/15/2001	114.1			T
				04/12/2001	114.3			T
				05/18/2001	114.2			T
				06/25/2001	114.3			T
				07/27/2001	114.5			T
				08/29/2001	114.6			T
				10/03/2001	114.72			S
				11/06/2001	114.72			S
				12/13/2001	114.7			T
				01/23/2002	114.9			T
				03/27/2002	114.8			T
				05/17/2002	115.2			T
				09/20/2002	117.5			T
083 N20 E22 27CAAC1	393414119301401	248.	4314.	07/25/2000	37.8			T
083 N20 E22 28BCCB1	393424119314401		4373.	09/14/2000	69.26			S
				11/13/2000	91.2		R	T
				02/15/2001	69.7			T
				04/12/2001	69.7			T
				05/18/2001	69.6			T
				06/19/2001	69.5			T
				07/27/2001	69.5			T
				08/28/2001	69.4			T
				10/03/2001	69.84			S
				11/06/2001	72.08			S
				01/04/2002	70.08			S
				03/27/2002	70.6			T
				05/13/2002	70.3			T
				07/09/2002	69.6			T
083 N20 E22 31AADA1	393347119330101	257.	4298.	09/14/2000	20.25			S
				02/15/2001	20.3			T
				04/12/2001	20.3			T
				05/18/2001	20.4			T
				06/19/2001	20.4			T

GROUND-WATER LEVELS

TRACY SEGMENT HYDROGRAPHIC AREA, NORTHWEST NEVADA--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet) Above Sea Level)	Water Level (Below Land Surface)				
				Date	(Feet)	Reference	Status	Method
083 N20 E22 31AADA1	393347119330101	257.	4298.	07/27/2001	20.4			T
				08/28/2001	20.4			T
				10/03/2001	20.43			S
				11/06/2001	20.38			S
				01/04/2002	20.52			S
				03/27/2002	20.4			T
				05/13/2002	20.2			T
				07/09/2002	20.2			T
				09/26/2002	20.5			T
				01/10/2002	52.9			T
083 N20 E22 31DDBA1	393312119331201	4327.	4327.	01/23/2002	53.0			T
				03/27/2002	52.9			T
				05/17/2002	52.6			T
				05/22/2002	52.1			T
				07/16/2002	52.6			T
				09/20/2002	53.2			T
				09/14/2000	47.20			S
				04/12/2001	47.3			T
				01/04/2002	47.26			S
				04/03/2001	145.4			T
083 N20 E22 32BBAB1	393352119325801	4331.	4331.	04/12/2001	145.4			T
				04/24/2001	145.4			T
				04/25/2001	145.4			T
				04/26/2001	145.4			T
				04/27/2001	145.5			T
				05/01/2001	145.5			T
				05/18/2001	145.5			T
				08/28/2001	145.6			T
				01/23/2002	145.8			T
				03/27/2002	145.6			T
083 N20 E22 35DACD1	393316119283901	275.	4347.	05/17/2002	145.3			T
				07/15/2002	145.6			T
				09/20/2002	146.0			T
				03/19/2003	145.9			T
				07/07/2000	214.1			T
				09/09/2000	213.5			T
				11/13/2000	214.4			T
				02/01/2001			W	
				03/01/2001	213.9			T
				04/12/2001	213.9			T
083 N20 E22 36CDAB2	393313119275502	600.	4478.	07/07/2000	218.4			T
				09/14/2000	218.7			T
				03/01/2001	218.7			T
				04/12/2001	218.7			T
				05/18/2001	218.8			T
				06/25/2001	218.7			T
				08/29/2001	218.8			T
				10/11/2001	219.0			T
				12/13/2001	219.0			T
				01/23/2002	219.1			T
083 N20 E22 36CDAB3	393313119275503	492.	4560.	03/27/2002	218.9			T
				05/17/2002	218.6			T
				07/07/2000	214.6			T
				09/14/2000	214.9			T
				03/01/2001	215.0			T
				04/12/2001	214.9			T
				05/18/2001	215.0			T
				06/25/2001	214.7			T
				08/29/2001	215.1			T
				01/23/2002	215.3			T
083 N20 E22 36CDAB4	393312119275501	500.	4446.	03/27/2002	215.1			T
				05/17/2002	214.9			T
				07/16/2002	215.0			T
				09/19/2002	215.4			T

GROUND-WATER LEVELS

TRACY SEGMENT HYDROGRAPHIC AREA, NORTHWEST NEVADA--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet) Above Sea Level)	Water Level (Below Land Surface)				
				Date	(Feet)	Reference	Status	Method
083 N20 E22 36CDAB5	393312119275601	495.	4429.	07/07/2000	210.2			T
				09/14/2000	210.4			T
				03/01/2001	210.4			T
				04/12/2001	210.4			T
				04/24/2001	210.4			T
				04/25/2001	212.7			T
				04/26/2001	214.2			T
				04/27/2001	214.5			T
				05/01/2001	210.6			T
				05/18/2001	210.5			T
				06/25/2001	210.4			T
				08/29/2001	210.6			T
				01/23/2002	210.8			T
				03/27/2002	210.6			T
				05/17/2002	210.3			T
				07/16/2002	210.5			T
				09/19/2002	210.8			T
083 N20 E24 08ADCC1	393657119182101		4075.	08/01/2001	18.1			T
				09/07/2001	16.1			T
				10/03/2001	16.5			T
				11/07/2001	17.3			T
				12/12/2001	17.7			T
				01/16/2002	17.9			T
				03/26/2002	18.4			T
				05/14/2002	16.9			T
				07/09/2002	16.9			T
				08/01/2001	17.2			T
083 N20 E24 08DBAB1	393652119182701		4114.	09/07/2001	16.5			T
				10/03/2001	17.0			T
				11/07/2001	17.7			T
				12/12/2001	18.1			T
				01/16/2002	18.0			T
				03/26/2002	18.7			T
				05/14/2002	17.4			T
				07/09/2002	17.6			T
083 N20 E24 08DBBB1	393652119183501		4110.	08/01/2001	21.09			S
				09/07/2001	20.52			S
				10/03/2001	20.83			S
				11/07/2001	21.56			S
				12/12/2001	21.89			S
				01/16/2002	21.81			S
				03/26/2002	22.40			S
				05/14/2002	21.39			S
				07/09/2002	21.77			S
				09/26/2002	21.42			S
083 N20 E24 18BDBB1	393615119200001	500.	4167.4	05/17/2001	90.4		R	T
				06/19/2001	99.4		R	T
				08/01/2001	108.8			T
				08/29/2001	125.9		R	T
				10/03/2001	111.1		R	T
				11/07/2001	108.8			T
				12/12/2001	95.3			T
				01/16/2002	100.4			T
				03/26/2002	97.2			T
				05/14/2002	117.4			T
				06/20/2002	201.1		P	T
				09/26/2002	148.4		P	T
				06/12/2003	112.0			T

GROUND-WATER LEVELS

TRACY SEGMENT HYDROGRAPHIC AREA, NORTHWEST NEVADA--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)				
				Date	(Feet)	Reference	Status	Method
083 N21 E22 28BAAA1	393446119311701	637.	4455.	10/08/1992	171.65			S
				12/22/1992	170.55			S
				03/17/1993	170.19			S
				06/23/1993	170.41			S
				08/19/1993	170.25			S
				03/29/1994	170.52			S
				07/22/1994	170.34			S
				09/19/1994	170.29			S
				12/30/1994	170.34			S
				03/30/1995	170.35			S
				09/20/1995	170.25			S
				09/14/2000	170.52			S
				11/13/2000	170.47			S
				02/15/2001	170.60			S
				04/12/2001	170.63			S
				05/18/2001	170.45			S
				06/19/2001	170.56			S
				07/27/2001	170.40			S
				08/28/2001	170.30			S
				10/03/2001	170.49			S
				11/06/2001	170.37			S
				01/04/2002	170.68			S
				03/27/2002	170.56			S
				05/14/2002	170.68			S
				07/09/2002	170.72			S
				09/26/2002	170.58			S
083 N21 E23 33CBBC1	393832119245501	305.	5282.	09/29/2000	234.4			T
				10/24/2000	234.7			T
				12/28/2000	235.6			T
				02/15/2001	236.0			T
				04/12/2001	236.6			T
				05/17/2001	237.0			T
				06/19/2001	237.4			T
				07/27/2001	237.7			T
				10/03/2001	238.6			T
				11/07/2001	239.1			T
				12/12/2001	239.5			T
				01/16/2002	239.7			T
				03/26/2002	240.7			T
				07/09/2002	242.0			T
				09/26/2002	242.8			T

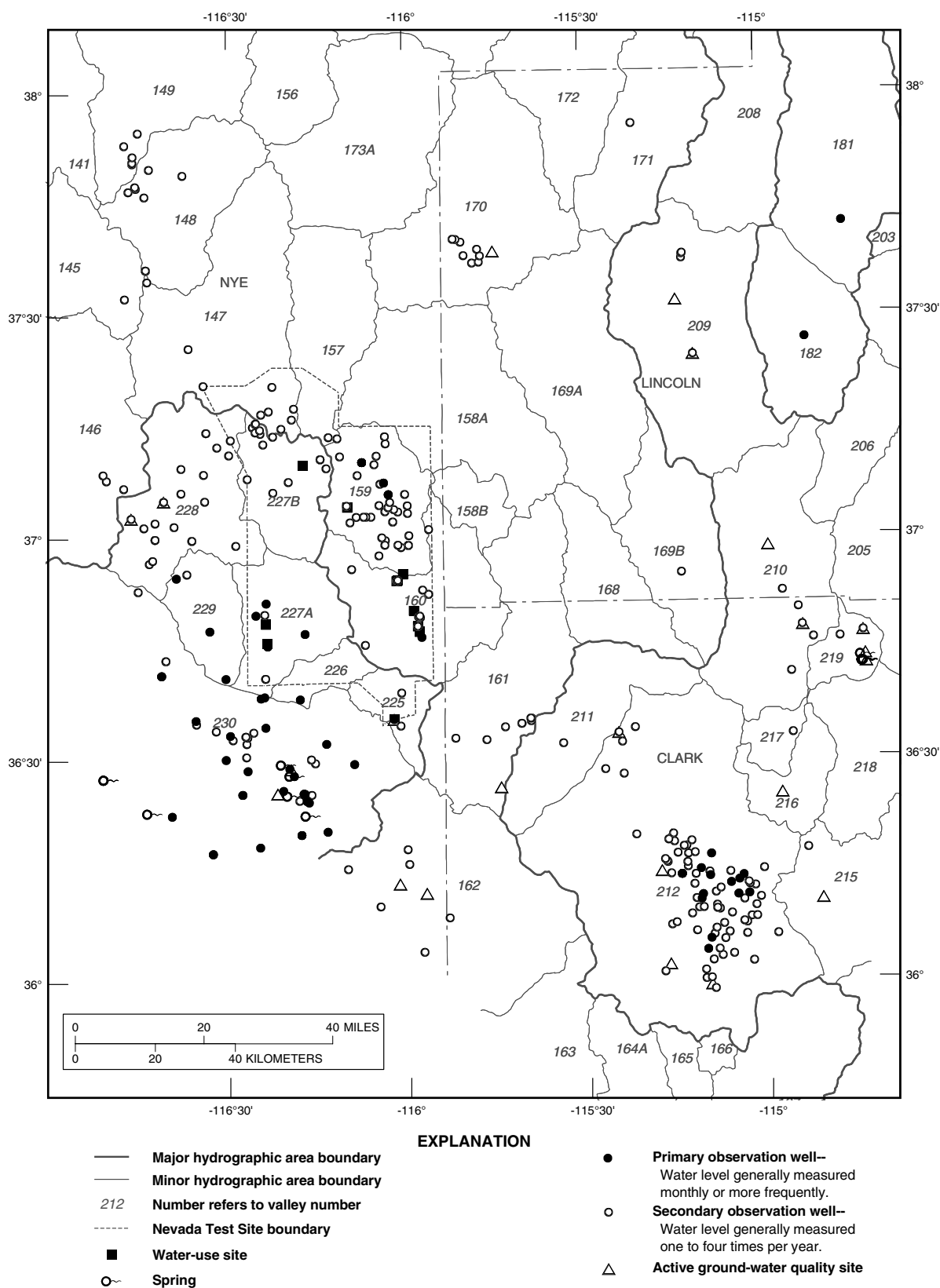


Figure 37. Ground-water sites, southern Nevada.

SPRING DISCHARGE
CARBONATE ROCK STUDY AREA

Measurement method--C, current meter.

Locations of the following sites are shown in figures 30 and 37..

Spring Number	Site Identification	Spring Name	Land Surface Elevation (Feet)	Measurement		
				Date	Discharge (GPM)	Method
207 N06 E61 18AADA1	382259115090801	NDW - Hot Creek Spring	5225.	04/24/2003	4420.	C
				09/11/2003	4760.	C
207 N07 E62 28ABDC1	382624115004001	Butterfield Spring	5320.	04/24/2003	978.	C
				09/11/2003	978.	C
207 N07 E62 33BCAB1	382526115011401	Flag Spring 1	5290.	04/24/2003	871.	C
				09/11/2003	915.	C
207 N07 E62 33BCCB1	382522115012001	Flag Spring 2	5280.	04/24/2003	1380.	C
				09/11/2003	1320.	C
207 N07 E62 33BCCC1	382517115012001	Flag Spring 3	5290.	04/24/2003	930.	C
				09/11/2003	800.	C
207 N09 E61 32DABC1	383540115081801	Moorman Spring	5295.	04/24/2003	211.	C
				09/10/2003	220.	C
207 N12 E61 12BDAD1	385507114574801	Cold Springs	6020.	04/23/2003	350.	C
				04/23/2003	380.	C
				09/10/2003	680.	C
207 N12 E61 12DBDD1	385530115044601	Nicholas Spring	5700.	04/23/2003	1260.	C
				09/10/2003	1120.	C
219 S14 E65 16ABB 1	364327114430801	Muddy River Springs 10	1650.	04/28/2003	264.81	C
				09/16/2003	279.	C
219 S14 E65 21 1	364238114424301	Muddy River Springs 20	1778.	04/21/2003	322.71	C
				09/16/2003	354.	C
219 S14 E65 21AAAA1	364238114424201	Muddy River Springs 15	1780.	04/21/2003	607.27	C
				09/16/2003	623.	C
219 S14 E65 21AAAA2	364236114424301	Warm Springs East	1790.	04/21/2003	948.38	C
				09/16/2003	1021.	C
219 S14 E65 21AAB2	364238114424401	Muddy River Springs 16	1780.	04/21/2003	115.80	C
				09/16/2003	114.	F
219 S14 E65 21AABB1	364235114425201	Muddy River Springs 11	1800.	04/21/2003	470.82	C
				09/16/2003	458.	C
219 S14 E65 21AABB3	364236114425401	Muddy River Springs 13	1800.	04/21/2003	302.51	C
				09/16/2003	350.	C
219 S14 E65 21AABB4	364237114425401	Muddy River Springs 12	1800.	04/21/2003	114.45	C
				09/16/2003	130.	C
219 S14 E65 21AABB5	364235114425301	Muddy River Springs 19	1800.	04/21/2003	472.62	C
				09/16/2003	435.	C

HIGH-ELEVATION PRECIPITATION NETWORK

CARBONATE ROCK STUDY AREA

High-elevation precipitation data are collected at sites in eastern and southeastern Nevada. Locations of the following sites are shown in figure 33.

Station Name	Site Identification	Latitude	Longitude	Elevation (feet)	Period	Precipitation (inches)
Cave Mountain	390946114364901	39°09'46"	114°36'49"	10,650	10/31/02 to 06/12/03 06/12/03 to 10/18/03	14.00 1.50
Cherry Creek Range	400726114524701	40°07'26"	114°52'47"	9,700	10/31/02 to 06/12/03 06/12/03 to 10/17/03	11.00 4.00
Hayford Peak	363929115115801	36°39'29"	115°11'58"	9,840	10/30/02 to 06/10/03 06/10/03 to 10/22/03	10.00 4.00
Highland Peak	375337114343801	37°53'37"	114°34'38"	9,330	11/05/02 too 06/11/03 06/11/03 to 10/16/03	10.25 3.00
Kawich Range	380025116273801	38°00'25"	116°27'38"	9,100	08/05/03 to 10/22/03	4.00
Kyle Canyon	361457115373301	36°14'57"	115°37'33"	7,760	11/14/02 to 06/10/03 06/10/03 to 10/24/03	0.05 9.00
Lee Canyon	361822115402501	36°18'22"	115°40'25"	8,510	11/14/02 to 06/10/03 06/10/03 to 10/24/03	14.25 5.50
Mt. Hamilton	391436115323901	39°14'36"	115°32'39"	10,600	10/31/02 to 06/12/03 06/12/03 to 10/17/03	6.00 3.00
Mt. Irish	373915115232801	37°39'15"	115°23'28"	8,607	10/30/02 to 06/10/03 06/10/03 to 10/22/03	* 2.75
Mt. Washington	385409114185401	38°54'09"	114°18'54"	10,440	11/04/02 to 06/11/03 06/11/03 to 10/16/03	16.50 2.25
Mt. Wilson	381438114233301	38°14'38"	114°23'33"	9,200	11/05/02 to 06/11/03 06/11/03 to 10/16/03	11.25 4.25
Potosi Peak	355641115294601	35°56'41"	115°29'46"	8,080	11/15/02 to 06/13/03 06/13/03 to 10/15/03	0.25 4.75
Quinn Canyon Range	381157115373101	38°11'57"	115°37'31"	9,100	08/05/03 to 10/22/03	1.75
Sheep Peak	363500115144301	36°35'00"	115°14'43"	9,600	10/30/02 to 06/10/03 06/10/03 to 10/22/03	8.00 2.00
Trough Spring	362240115462101	36°22'40"	115°46'21"	8,240	11/15/02 to 06/13/03 06/13/03 to 10/15/03	1.75 6.50
Unnamed peak in South Delamar Mountains	372035114432901	37°20'35"	114°43'29"	7,800	10/30/02 to 06/10/03 06/10/03 to 10/22/03	5.75 1.75
Unnamed peak Northwest of Mt. Moriah	391913114143101	39°19'13"	114°14'31"	9,300	10/31/03 to 06/12/03 06/12/03 to 10/17/03	5.75 4.25
Unnamed peak South of Chokecherry Peak	373107114433301	37°31'07"	114°43'33"	7,800	11/05/02 to 06/11/03 06/11/03 to 10/16/03	5.25 2.00

* Site vandalized.

GROUND-WATER LEVELS, PRIMARY OBSERVATION WELLS

CARBONATE ROCK STUDY AREA

COAL VALLEY

380758115204601. Local number, 171 N03 E59 10BD1.

LOCATION.--Lat 38°08'15", long 115°20'20", Hydrologic Unit 16060004, in Nye County.

AQUIFER.--Alluvium of Quaternary age and Paleozoic Carbonate Rock.

INSTRUMENTATION.--Water-level recorder November 1993 to May 1995, January 1999 to June 2000, May 2001 to current year.

DATUM.--Elevation of land-surface datum is 5,560 ft above NGVD of 1929, from topographic map. Measuring point: Top of casing, at land-surface datum.

REMARKS.--In Coal Valley. Water level affected by pumping of nearby well.

PERIOD OF RECORD.--December 1980 to November 1993, intermittent; November 1993 to May 1995, continuous; May 1995 to January 1999, intermittent; January 1999 to June 2000, continuous; May 2001 to current year, hourly.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 797.03 ft below land-surface datum, February 9, 1999; lowest recorded, 804.57 ft below land-surface datum, March 13, 1992.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	797.55	797.76	797.69	797.86	797.36	797.62	798.16	797.71	797.69	797.63	797.67	797.68
2	797.62	797.77	797.63	797.85	797.54	800.40	797.43	---	797.62	797.63	797.65	797.71
3	797.73	797.73	798.48	797.79	797.70	798.82	799.16	---	797.64	797.65	797.66	797.69
4	797.77	797.69	797.84	797.77	797.58	797.50	798.84	---	797.63	797.66	797.66	797.71
5	797.81	797.88	797.81	797.72	797.59	798.49	797.67	---	797.70	797.62	797.64	797.71
6	797.88	797.82	797.66	797.85	797.68	798.63	797.73	797.52	797.65	797.57	797.65	797.67
7	797.77	797.59	799.48	797.81	798.26	798.20	797.92	797.47	797.63	797.61	797.67	797.61
8	797.67	797.39	797.89	797.58	797.59	798.99	797.88	797.48	797.60	797.68	797.67	797.55
9	797.68	797.55	797.76	797.56	797.71	798.54	797.67	797.61	797.56	797.72	797.70	797.55
10	797.62	797.76	797.63	797.60	797.69	798.91	797.61	797.77	797.61	797.69	797.71	797.73
11	797.72	797.97	800.00	797.72	797.66	797.66	797.60	797.74	797.60	797.68	797.66	797.80
12	797.95	797.94	798.83	797.83	797.61	798.57	798.54	797.70	797.59	797.67	797.64	797.67
13	797.83	797.73	797.74	797.81	798.47	798.57	797.61	797.70	797.67	797.66	797.68	797.73
14	797.72	798.76	797.65	797.67	798.64	797.58	797.53	797.60	797.74	797.65	797.70	797.73
15	797.65	798.99	797.59	797.82	797.74	798.41	797.62	797.61	797.70	797.64	797.69	797.64
16	797.58	797.85	797.33	797.85	797.65	798.87	797.70	797.68	797.71	797.69	797.71	797.56
17	797.58	797.69	797.33	799.23	797.68	797.54	797.50	797.60	797.68	797.71	797.64	797.66
18	797.66	797.91	797.70	798.41	797.67	797.72	797.58	797.68	797.57	797.69	797.63	797.76
19	797.70	797.94	797.78	797.76	799.34	798.91	797.76	797.86	797.50	797.70	797.67	---
20	797.63	797.90	797.54	797.65	798.72	799.01	797.67	797.76	797.49	797.68	797.70	797.69
21	797.59	797.77	797.60	797.68	797.75	797.86	797.41	797.72	797.55	797.67	797.68	797.72
22	797.62	797.63	797.57	797.81	797.57	799.60	797.40	797.70	797.55	797.67	797.63	797.71
23	797.66	797.55	797.58	797.71	797.46	798.44	797.58	797.66	---	797.67	797.67	797.69
24	797.63	797.66	797.72	797.69	798.97	797.73	797.60	797.56	---	797.63	797.72	797.71
25	797.58	797.77	797.75	797.78	798.39	798.47	797.52	797.56	---	797.66	797.69	797.75
26	797.56	797.79	797.82	797.81	797.55	799.55	797.57	797.72	797.78	797.72	797.66	797.73
27	797.71	797.80	797.85	797.57	797.53	797.78	797.56	797.83	797.67	797.70	797.66	797.73
28	797.63	797.82	797.50	797.65	797.60	798.30	797.54	797.75	797.63	797.67	797.65	797.71
29	797.55	797.67	797.46	797.76	---	799.93	797.57	797.66	797.63	797.65	797.65	797.70
30	797.64	797.67	797.76	797.78	---	---	797.64	797.59	797.64	797.67	797.70	797.75
31	797.68	---	797.60	797.74	---	799.09	---	797.65	---	797.70	797.66	---
MAX	797.95	798.99	800.00	799.23	799.34	---	799.16	---	---	797.72	797.72	---
MIN	797.55	797.39	797.33	797.56	797.36	---	797.40	---	---	797.57	797.63	---

[illegible]

GROUND-WATER LEVELS, PRIMARY OBSERVATION WELLS

DRY LAKE VALLEY

374215114453101. Local number, 181 S08 E64 12AC 1,

LOCATION.--Lat 37°42'15", long 114°45'31", Hydrologic Unit 16060009, in Lincoln County.

INSTRUMENTATION.-- Water-level recorder April to September 2003.

DATUM.-- Elevation of land-surface datum is 4,640 ft above NGVD of 1929, from topographic map. Measuring point: Top of casing at marked S, 0.2 ft above land-surface datum.

REMARKS.-- None.

PERIOD OF RECORD.--April 1983 to March 2003, intermittent; April to September 2003, 4 times per hour.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 393.70 ft below land-surface datum, December 18, 1997; lowest water level measured, 395 ft below land-surface datum, April 16, 1983.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	394.10	394.02	394.01	394.00	---
2	---	---	---	---	---	---	---	394.01	393.98	394.01	393.98	---
3	---	---	---	---	---	---	---	393.96	393.99	394.02	393.98	---
4	---	---	---	---	---	---	---	394.02	393.98	394.02	393.98	---
5	---	---	---	---	---	---	---	394.05	394.03	394.00	393.96	394.01
6	---	---	---	---	---	---	---	393.98	394.02	393.95	393.97	393.97
7	---	---	---	---	---	---	---	393.94	393.99	393.98	393.99	393.91
8	---	---	---	---	---	---	---	393.96	393.97	394.04	393.99	393.84
9	---	---	---	---	---	---	---	394.04	393.96	---	394.02	393.85
10	---	---	---	---	---	---	---	394.14	393.99	---	394.03	394.01
11	---	---	---	---	---	---	---	394.12	393.99	394.05	393.98	394.10
12	---	---	---	---	---	---	---	394.09	393.97	394.04	393.95	393.98
13	---	---	---	---	---	---	---	394.07	394.03	394.01	393.99	---
14	---	---	---	---	---	---	---	394.00	394.08	394.02	394.01	---
15	---	---	---	---	---	---	---	393.99	394.04	394.00	394.01	---
16	---	---	---	---	---	---	---	394.05	394.04	394.04	---	393.86
17	---	---	---	---	---	---	---	394.01	394.02	394.06	---	393.92
18	---	---	---	---	---	---	---	394.04	393.95	394.05	393.93	394.06
19	---	---	---	---	---	---	---	394.16	393.91	394.06	---	---
20	---	---	---	---	---	---	---	394.11	393.91	394.04	---	---
21	---	---	---	---	---	---	---	394.06	393.95	394.00	---	394.00
22	---	---	---	---	---	---	---	394.04	393.95	394.01	---	393.99
23	---	---	---	---	---	---	---	394.02	393.90	394.01	---	393.96
24	---	---	---	---	---	---	---	393.94	394.06	393.97	---	393.98
25	---	---	---	---	---	---	---	393.96	394.20	394.00	---	394.02
26	---	---	---	---	---	---	---	394.05	394.16	394.06	---	394.00
27	---	---	---	---	---	---	---	394.12	394.05	394.04	---	393.98
28	---	---	---	---	---	---	---	394.07	394.00	394.00	---	393.97
29	---	---	---	---	---	---	---	394.01	394.00	393.98	---	393.96
30	---	---	---	---	---	---	394.05	393.97	394.02	394.02	---	394.01
31	---	---	---	---	---	---	---	394.00	---	394.03	---	---
MAX	---	---	---	---	---	---	---	394.16	394.20	---	---	---
MIN	---	---	---	---	---	---	---	393.94	393.90	---	---	---

GROUND-WATER LEVELS, PRIMARY OBSERVATION WELLS

DELAMAR VALLEY

372639114520901. Local number, 182 S06 E63 12AD 1.

LOCATION.--Lat 36°33'10", long 114°55'25", Hydrologic Unit 16060009, in Lincoln County.

INSTRUMENTATION.-- Water-level recorder May 8, 2003 to current year.

DATUM.-- Elevation of land-surface datum is 4710. ft above NGVD of 1929, from topographic map. Measuring point: Top of casing, 2.05 ft above land-surface datum.

REMARKS.-- None.

PERIOD OF RECORD.--May 1980 through March 2003, intermittent; May 8 to present, 4 times per hour.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 862.66 ft below land-surface datum, May 08, 2003; lowest measured, 865.85 ft below land-surface datum, March 15, 1990.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003 DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	863.18	863.17	863.26	863.14
2	---	---	---	---	---	---	---	---	863.14	863.16	863.24	863.19
3	---	---	---	---	---	---	---	---	863.12	863.17	863.22	863.18
4	---	---	---	---	---	---	---	---	863.10	863.18	863.21	863.21
5	---	---	---	---	---	---	---	---	863.14	863.15	863.18	863.22
6	---	---	---	---	---	---	---	---	863.13	863.08	863.18	863.18
7	---	---	---	---	---	---	---	---	863.10	863.09	863.18	863.09
8	---	---	---	---	---	---	---	---	863.07	863.17	863.20	862.97
9	---	---	---	---	---	---	---	---	863.03	---	863.23	862.91
10	---	---	---	---	---	---	---	863.16	863.07	---	863.26	863.05
11	---	---	---	---	---	---	---	863.20	863.06	863.26	863.21	863.21
12	---	---	---	---	---	---	---	863.21	863.03	863.26	863.16	863.13
13	---	---	---	---	---	---	---	863.21	863.09	863.24	863.19	---
14	---	---	---	---	---	---	---	863.14	863.17	863.22	863.22	---
15	---	---	---	---	---	---	---	863.10	863.17	863.21	863.24	---
16	---	---	---	---	---	---	---	863.17	863.17	863.24	863.28	862.99
17	---	---	---	---	---	---	---	863.13	863.16	863.29	863.20	862.98
18	---	---	---	---	---	---	---	863.14	863.08	863.28	863.14	863.15
19	---	---	---	---	---	---	---	863.31	862.99	863.32	863.16	---
20	---	---	---	---	---	---	---	863.32	862.93	863.30	863.22	---
21	---	---	---	---	---	---	---	863.29	862.96	863.26	863.21	863.13
22	---	---	---	---	---	---	---	863.27	862.95	863.24	863.15	863.13
23	---	---	---	---	---	---	---	863.24	862.86	863.26	863.16	863.10
24	---	---	---	---	---	---	---	863.14	863.02	863.21	863.23	863.10
25	---	---	---	---	---	---	---	863.10	863.26	863.22	863.21	863.15
26	---	---	---	---	---	---	---	863.20	863.31	863.29	863.17	863.14
27	---	---	---	---	---	---	---	863.31	863.24	863.29	863.17	863.12
28	---	---	---	---	---	---	---	863.30	863.17	863.25	863.16	863.12
29	---	---	---	---	---	---	---	863.23	863.16	863.23	863.13	863.09
30	---	---	---	---	---	---	---	863.17	863.17	863.25	863.17	863.15
31	---	---	---	---	---	---	---	863.18	---	863.29	863.15	---
MAX	---	---	---	---	---	---	---	---	863.31	---	863.28	---
MIN	---	---	---	---	---	---	---	---	862.86	---	863.13	---

GROUND-WATER LEVELS, PRIMARY OBSERVATION WELLS

CARBONATE ROCK STUDY AREA

COYOTE SPRING VALLEY

364743114533101. Local number, 210 S13 E63 23DDDC1

LOCATION.--Lat 36°47'45", long 114°53'30", Hydrologic Unit 15010012, in Clark County

Owner: U.S. Geological Survey.

AQUIFER.-- Carbonate of Paleozoic age.

INSTRUMENTATION.-- Water-level recorder, July 1986 to September 1988, December 1990 to September 1996, February 1999 to current year.

DATUM.-- Elevation of land-surface datum is 2,173 feet above NGVD of 1929, from topographic map. Measuring point is the top lip of the casing 1.0 feet above land-surface.

REMARKS.-- CE-DT-4 Well.

PERIOD OF RECORD.-- December 1980, 1981, 1985, 1986, 1997, 1998, intermittent; July 1986 to September 1986, hourly, (unpublished and available in the files of the U.S. Geological Survey); October 1986 to September 1988, hourly; September 1988 to December 1990, monthly; December 1990 to September 1996, hourly; February 1999 to September 2000, hourly, October 2000 to current year, 4 times per hour.

EXTREMES FOR PERIOD OF RECORD.-- Highest water level measured, 350.9 ft below land surface datum, September 27, 1990; lowest recorded, 353.74 ft below land surface datum, April 1, 2003.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	354.14	354.31	354.26	354.27	353.98	354.05	353.81	353.99	354.00	354.16	354.35	354.42
2	354.20	354.33	354.22	354.27	354.04	354.11	353.83	353.93	353.96	354.16	354.34	354.46
3	354.25	354.30	354.24	354.23	354.15	354.00	353.95	353.91	353.97	354.17	354.32	354.44
4	354.26	354.28	354.29	354.21	354.08	353.95	353.91	353.96	353.97	354.17	354.32	354.47
5	354.26	354.36	354.29	354.18	354.09	354.04	353.94	353.96	354.02	354.16	354.32	354.47
6	354.27	354.34	354.23	354.23	354.14	354.05	353.98	353.91	354.01	354.13	354.33	354.46
7	354.23	354.26	354.22	354.22	354.13	354.02	354.06	353.91	353.99	354.16	354.35	354.41
8	354.18	354.15	354.29	354.15	354.08	354.07	354.06	353.92	353.99	354.21	354.35	354.37
9	354.20	354.16	354.28	354.13	354.13	354.07	353.96	353.98	354.00	354.24	354.37	354.38
10	354.18	354.28	354.22	354.14	354.13	354.01	353.92	354.04	354.04	354.23	354.37	354.48
11	354.21	354.39	354.22	354.17	354.10	353.96	353.93	354.02	354.03	354.23	354.34	354.54
12	354.32	354.39	354.27	354.23	354.08	353.99	353.91	353.99	354.03	354.24	354.33	354.45
13	354.29	354.28	354.26	354.22	354.00	354.00	353.93	353.98	354.07	354.23	354.36	354.48
14	354.24	354.31	354.24	354.16	354.02	353.93	353.90	353.93	354.09	354.22	354.38	354.52
15	354.20	354.37	354.20	354.19	354.09	353.89	353.96	353.94	354.08	354.23	354.42	354.46
16	354.16	354.34	354.11	354.21	354.07	353.88	354.00	353.97	354.08	354.26	354.44	354.40
17	354.17	354.27	354.07	354.16	354.08	353.90	353.91	353.94	354.07	354.28	354.37	354.44
18	354.22	354.36	354.23	354.14	354.08	353.98	353.94	353.96	354.04	354.28	354.34	354.55
19	354.25	354.35	354.32	354.14	354.05	354.02	354.02	354.06	354.01	354.30	354.38	---
20	354.22	354.34	354.22	354.12	354.03	354.02	353.98	354.03	354.03	354.28	354.42	354.48
21	354.20	354.29	354.24	354.13	354.09	354.05	353.87	354.01	354.06	354.25	354.41	354.51
22	354.22	354.23	354.19	354.18	354.01	354.03	353.88	353.98	354.06	354.25	354.39	354.50
23	354.25	354.18	354.18	354.14	353.99	353.95	353.95	353.97	354.01	354.27	354.41	354.49
24	354.24	354.22	354.28	354.10	353.97	353.95	353.94	353.93	354.15	354.26	354.45	354.51
25	354.21	354.28	354.29	354.14	353.97	354.05	353.91	353.94	354.24	354.29	354.42	354.53
26	354.21	354.31	354.32	354.18	354.00	353.95	353.91	354.00	354.22	354.33	354.41	354.50
27	354.27	354.31	354.33	354.08	354.00	353.98	353.90	354.04	354.15	354.30	354.43	354.50
28	354.25	354.32	354.17	354.08	354.05	354.10	353.91	354.01	354.12	354.29	354.43	354.51
29	354.21	354.25	354.11	354.14	---	---	353.92	353.98	354.13	354.30	354.41	354.51
30	354.25	354.26	354.25	354.14	---	354.07	353.95	353.97	354.16	354.32	354.43	354.54
31	354.27	---	354.18	354.12	---	353.93	---	353.99	---	354.35	354.41	---
MAX	354.32	354.39	354.33	354.27	354.15	---	354.06	354.06	354.24	354.35	354.45	---
MIN	354.14	354.15	354.07	354.08	353.97	---	353.81	353.91	353.96	354.13	354.32	---

GROUND-WATER LEVELS, PRIMARY OBSERVATION WELLS

HIDDEN VALLEY

363308114553001. Local number, 217 S16 E63 09DDAB1,

LOCATION.--Lat 36°33'10", long 114°55'25", Hydrologic Unit 15010012, in Clark County.

Owner: U.S. Geological Survey.

AQUIFER.-- Carbonate of Paleozoic age.

INSTRUMENTATION.-- Water-level recorder October 2001 to September 2002.

DATUM.-- Elevation of land-surface datum is 2,648.8 ft above NGVD of 1929, from topographic map. Measuring point: Top of casing, 0.6 ft above land-surface datum.

REMARKS.-- None.

PERIOD OF RECORD.--December 1985 to September 2001, intermittent; October 2001 to September 2002, 4 times per hour.

EXTREMES FOR PERIOD OF RECORD.-- Highest water level measured, 830.30 ft below land surface datum, on May 30, 1989; lowest water level recorded, 833.2 ft below land surface datum, December 30, 1985.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003 DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	832.07	832.33	832.27	832.38	831.95	832.07	831.97	832.19	832.15	832.22	832.35	832.18
2	832.17	832.42	832.16	832.45	831.92	832.23	831.91	832.10	832.09	832.22	832.32	832.28
3	832.33	832.40	832.20	832.40	832.22	832.05	832.11	832.03	832.07	832.23	832.27	832.25
4	832.38	832.35	832.32	832.37	832.08	831.89	832.06	832.11	832.04	832.21	832.25	832.29
5	832.41	832.55	832.35	832.27	832.08	832.08	832.04	832.13	832.12	832.18	832.22	832.32
6	832.48	832.56	832.23	832.37	832.18	832.16	832.17	832.03	832.13	832.11	832.21	832.28
7	832.42	832.38	832.18	832.42	832.21	832.13	832.37	831.97	832.08	832.13	832.22	832.17
8	832.30	832.12	832.34	832.24	832.10	832.25	832.46	831.99	832.04	832.22	832.23	832.03
9	832.30	832.07	832.35	832.17	832.20	832.33	832.26	832.10	832.04	832.29	832.27	831.99
10	832.25	832.30	832.19	832.17	832.24	832.23	832.13	832.29	832.13	832.28	832.30	832.16
11	832.26	832.56	832.18	832.24	832.18	832.10	832.12	832.30	832.10	832.28	832.22	832.38
12	832.52	832.58	832.28	832.41	832.13	832.14	832.07	832.26	832.08	832.29	832.17	832.24
13	832.51	832.37	832.25	832.43	831.94	832.19	832.09	832.24	832.15	832.26	832.22	832.22
14	832.38	832.41	832.23	832.31	831.96	832.04	832.01	832.13	832.23	832.24	832.27	832.35
15	832.28	832.57	832.11	832.36	832.12	831.92	832.09	832.10	832.21	832.23	832.34	832.23
16	832.15	832.54	831.88	832.46	832.10	831.84	832.24	832.20	832.20	832.27	832.41	832.06
17	832.13	832.33	831.71	832.34	832.14	831.83	832.00	832.11	832.18	832.35	832.25	832.05
18	832.21	832.54	832.00	832.31	832.13	832.02	832.05	832.13	832.09	832.33	832.15	832.33
19	832.28	832.56	832.31	832.29	832.08	832.18	832.25	832.35	832.00	832.40	832.22	---
20	832.23	832.56	832.11	832.23	832.01	832.20	832.23	832.35	831.97	832.36	832.30	832.18
21	832.16	832.45	832.14	832.22	832.17	832.31	831.95	832.29	832.02	832.28	832.29	832.22
22	832.16	832.30	832.05	832.36	831.99	832.35	831.90	832.23	832.02	832.26	832.21	832.23
23	832.24	832.11	832.01	832.29	831.93	832.16	832.06	832.20	831.90	832.30	832.22	832.19
24	832.20	832.19	832.24	832.19	831.85	832.13	832.09	832.09	832.10	832.25	832.31	832.21
25	832.14	832.25	832.32	832.27	831.83	832.39	832.03	832.05	832.40	832.27	832.26	832.27
26	832.10	832.36	832.43	832.39	831.89	832.21	832.03	832.19	832.42	832.37	832.22	832.23
27	832.25	832.36	832.53	832.18	831.90	832.20	832.02	832.30	832.29	832.32	832.26	832.21
28	832.24	832.42	832.21	832.12	832.02	832.49	832.02	832.26	832.19	832.29	832.24	832.23
29	832.12	832.26	831.99	832.27	---	---	832.03	832.19	832.19	832.28	832.18	832.20
30	832.18	832.27	832.30	832.29	---	832.61	832.10	832.13	832.24	832.32	832.24	832.27
31	832.23	---	832.19	832.26	---	832.30	---	832.16	---	832.38	832.21	---
MAX	832.52	832.58	832.53	832.46	832.24	---	832.46	832.35	832.42	832.40	832.41	---
MIN	832.07	832.07	831.71	832.12	831.83	---	831.90	831.97	831.90	832.11	832.15	---

GROUND-WATER LEVELS, SECONDARY OBSERVATION WELLS
CARBONATE ROCK STUDY AREA

County code--003, Clark; 017, Lincoln; 023, Nye; 033, White Pine.

Depths, perforated interval, and elevation--Depths are referenced to land-surface datum (LSD). Elevation is that of LSD, with reference to sea level.

Water Level Method--S, steel tape; t, electric tape; V, calibrated electric tape.

Water Level Accuracy--0, water level accurate to the nearest foot; 1, water level accurate to the nearest tenth of a foot;

2, water level accurate to the nearest one-hundredth of a foot.

Locations of following sites are shown in figures 30 and 37.

Local Well No	Site Identification	Period of Record	County Code	Well Depth	Perforated Interval (feet)		Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)			
					Top	Bottom		Date	Feet	Method	Accuracy
156 N03 E50 13CA 1	380652116200901	1981	023	682.			5350.	12/03/2002	314.02	V	1
								03/17/2003	313.95	V	1
								06/23/2003	313.86	T	0
								09/22/2003	314.03	T	0
156 N07 E51 10AD 1	382901116125201	1980	023	480.			5600.	12/03/2002	235.98	V	2
								03/17/2003	236.06	V	2
								06/23/2003	235.83	T	1
								09/22/2003	235.87	T	1
171 N01 E58 24 1	375547115244201	1996	017	1560.	911.	1560.	4932.	12/05/2002	128.88	V	2
								03/19/2003	128.99	V	2
								06/25/2003	129.17	T	1
								09/24/2003	129.20	T	1
172 N02 E57 22BBC 1	380132115333501	1980	017	1010.			5550.	12/05/2002	406.13	V	1
								03/19/2003	406.40	V	1
								06/25/2003	406.72	T	0
								09/24/2003	406.93	T	0
172 N03 E59 10BD 1	380758115204601	1980	023	1837.			5560.	12/05/2002	797.92	V	1
								03/19/2003	797.94	T	0
								08/15/2003	797.60	T	0
								09/24/2003	797.76	T	0
173B N03 E52 02DA 2	380906116050502	1980	023	495.			5010.	12/03/2002	233.51	V	2
								03/17/2003	233.57	V	2
								06/23/2003	233.54	T	1
								09/22/2003	223.65	T	1
173B N10 E58 17CAAB1	384338115283601	1980	023	581.	279.	560.	5135.	12/03/2002	270.78	V	2
								03/17/2003	271.78	V	2
								06/23/2003	272.36	T	1
								09/22/2003	273.24	T	1
173B N11 E57 09CDB 1	384920115343001	1948	023	186.			5075.	12/03/2002	159.80	V	2
								03/17/2003	159.83	V	2
								06/23/2003	159.63	T	1
								09/22/2003	159.45	T	1
179 N12 E63 12AB 1	385521114503601	1980	033	948.	500	940	7320.	12/04/2002	427.75	V	1
								01/27/2003	428.05	V	1
								03/18/2003	428.44	T	0
								06/24/2003	428.39	T	0
								08/15/2003	427.59	T	0
								09/23/2003	428.87	T	0
180 N07 E63 14BADD1	382807114521001	1980	017	460.	375.	250.	6008.	12/05/2002	219.43	V	2
								03/19/2003	219.69	V	2
								06/25/2003	219.74	T	1
								09/24/2003	219.54	T	1
181 N03 E63 27CAA 1	380531114534201	1980	017	2395.			5560.	12/05/2002	847.55	V	1
								03/19/2003	847.53	V	1
								06/25/2003	847.38	T	0
								09/24/2003	847.07	T	0
181 N04 E64 07DC 1	381256114500701	1981	017	1190.			5530.	12/05/2002	254.07	V	2
								03/19/2003	254.63	V	2
								06/25/2003	254.70	T	1
								09/24/2003	253.92	T	1
183 N06 E66 35C 1	382003114322501	1946	017	161.			5950.	12/06/2002	153.32	S	2
								03/20/2003	152.01	V	2
								06/26/2003	152.98	S	2
								09/25/2003	154.90	S	2

GROUND-WATER LEVELS, SECONDARY OBSERVATION WELLS--Continued
CARBONATE ROCK STUDY AREA

Local Well No	Site Identification	Period of Record	County Code	Well Depth	Perforated Interval (feet)		Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)			
					Top	Bottom		Date	Feet	Method	Accuracy
183 N07 E66 16DC 1	382753114341301	1980	017	97.			5915.	12/06/2002	20.19	S	2
								03/19/2003	20.27	S	2
								06/25/2003	20.48	S	2
								09/24/2003	20.77	S	2
183 N08 E65 02D 1	383502114383201	1964	017	130.			5975.	03/19/2003	32.36	S	2
								06/25/2003	32.16	S	2
								09/24/2003	32.39	S	2
184 N09 E68 30AAAB1	383704114225001	1980	017	679.	559.	679.	6010.	12/04/2002	225.37	V	2
								03/18/2003	225.43	V	2
								06/24/2003	225.43	T	1
								09/23/2003	225.24	S	2
184 N10 E67 22AA 1	384310114261401	1980	033	100.			5889.	12/04/2002	65.69	S	2
								03/18/2003	65.96	S	2
								06/24/2003	65.89	S	2
								09/23/2003	65.82	S	2
184 N11 E68 19DCDC1	384745114224401	1981	033	200.			5906.	12/04/2002	99.10	S	2
								03/18/2003	99.34	S	2
								06/24/2003	99.51	S	2
								09/23/2003	99.67	S	2
184 N13 E67 18DCAB1	385920114294001	1960	033	120.			5850.	12/04/2002	52.35	S	2
								03/18/2003	52.38	S	2
								06/24/2003	52.44	S	2
								09/23/2003	52.47	S	2
184 N14 E66 24BDDD1	390352114305401	1981	033	160.			5840.	12/04/2002	37.17	S	2
								03/18/2003	37.60	S	2
								06/24/2003	36.11	S	2
								08/19/2003	36.09	S	2
								08/19/2003	36.09	S	2
								09/23/2003	36.27	S	2
195 N11 E70 35AD 1	384702114041601	1981	033	101.			5578.	12/04/2002	69.09	S	2
								03/18/2003	69.00	S	2
								06/24/2003	69.02	S	2
								09/23/2003	69.26	S	2
195 N11 E70 35BA 1	384714114051001	1980	033	200.			5660.	12/04/2002	141.99	S	2
								03/18/2003	142.00	S	2
								06/24/2003	142.04	S	2
								09/23/2003	142.08	S	2
195 N14 E70 08DC 1	390543114081801	1981	033	79.			5996.	12/04/2002	62.12	S	2
								03/18/2003	61.86	S	2
								06/24/2003	55.97	S	2
								09/23/2003	61.32	S	2
195 N15 E70 25DD 1	390812114033601	1981	033	94.			5068.	12/04/2002	13.54	S	2
								03/18/2003	13.43	S	2
								06/24/2003	13.84	S	2
								09/23/2003	14.09	S	2
196 N08 E69 35DC 2	383023114115302	1980	017	435.			5830.	12/04/2002	175.25	V	2
								03/18/2003	175.89	V	2
								06/24/2003	176.28	T	1
								09/23/2003	176.09	T	1
210 S12 E63 29DABC1	365227114554401	1981	017	1221.	0	1221	2466.9	10/30/2002	611.82	V	1
								04/03/2003	610.98	V	1
								07/14/2003	611.06	V	1
210 S13 E63 11BACD1	365008114541101	1981	003	170.			2222.	10/30/2002	163.80	V	2
								12/12/2002	163.90	V	2
								04/03/2003	163.62	V	2
								07/14/2003	163.57	V	2
210 S13 E63 23DDDC1	364743114533101	1981	003	669.	50	669	2172.6	10/30/2002	354.31	V	1
								12/12/2002	354.31	V	1
								04/03/2003	353.98	V	1
								07/14/2003	354.24	V	1
								08/14/2003	354.47	T	0
210 S13 E64 31DAAD1	364601114514301	1985	003	765.	645	765	2158.6	04/14/2003	346.65	T	0

GROUND-WATER LEVELS, SECONDARY OBSERVATION WELLS--Continued
CARBONATE ROCK STUDY AREA

Local Well No	Site Identification	Period of Record	County Code	Well Depth	Perforated Interval (feet)		Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)			
					Top	Bottom		Date	Feet	Method	Accuracy
210 S14 E63 28ACDC1	364127114553001	1985	003	780.			2414.3	12/12/2002	591.39	V	1
								04/14/2003	590.90	T	0
								07/14/2003	591.24	V	1
215 S19 E63 13DCAA1	361736114531601	1993	003	900.	540.	900.	2388.4	04/14/2003	575.42	T	0
217 S16 E63 09DDAB1	363308114553001	1985	003	920	45	920	2648.8	12/12/2002	832.46	V	1
								04/14/2003	831.98	T	0
								07/14/2003	832.32	V	1
								08/14/2003	832.35	T	0
219 S13 E65 28BDAC1	364650114432001	1985	003	478.	95	478	2185.9	12/12/2002	393.76	V	1
								04/08/2003	393.51	T	0
								07/07/2003	393.83	T	0
								07/14/2003	394.02	V	1
								08/14/2003	394.32	T	0

GROUND-WATER LEVELS, PRIMARY OBSERVATION WELLS

LAS VEGAS VALLEY

361704115121901. Local number, 212 S19 E61 19BC1

LOCATION.--Lat 36°17'04", long 115°12'14", Hydrologic Unit 15010015, in Clark County.

AQUIFER.--Alluvium of Quaternary age.

INSTRUMENTATION.--Water-level recorder August 1998 to current year.

DATUM.--Elevation of land-surface datum is 2,300 ft above NGVD of 1929, from topographic map. Measuring point: top lip of casing, 1.86 ft above land-surface datum.

PERIOD OF RECORD.--August 1998 to current year, hourly.

EXTREMES FOR PERIOD OF RECORD.--Highest water level recorded, 119.67 ft below land-surface datum, March 16, 2001; lowest recorded, 142.69 ft below land-surface datum, October 1, 2000.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	140.11	137.21	133.64	129.52	126.71	124.03	123.05	124.80	128.38	133.48	---	139.17
2	140.06	137.05	133.44	129.43	126.76	123.89	123.14	124.84	128.54	---	---	139.15
3	140.03	136.93	133.29	129.30	126.70	123.65	123.20	124.92	128.72	---	---	139.17
4	139.97	136.87	133.18	129.20	126.61	123.52	123.22	124.95	128.90	---	---	139.21
5	139.92	136.82	133.01	129.09	126.56	123.45	123.33	124.99	129.07	---	---	139.09
6	139.88	136.65	132.84	129.00	126.51	123.35	123.43	125.06	129.25	---	---	138.92
7	139.76	136.45	132.69	128.87	126.42	123.27	123.52	125.17	129.47	---	---	138.75
8	139.59	136.27	132.61	128.74	126.35	123.28	123.57	125.25	129.70	---	---	138.61
9	139.47	136.17	132.44	128.64	126.35	123.27	123.63	125.37	129.91	---	---	138.49
10	139.36	136.13	132.26	128.54	126.26	123.22	123.71	125.47	130.10	---	---	138.46
11	139.31	136.11	132.13	128.49	126.16	123.13	123.79	125.54	130.31	---	---	138.37
12	139.27	135.93	131.99	128.42	125.99	123.10	123.88	125.60	130.55	---	---	138.23
13	139.14	135.75	131.86	128.28	125.81	123.09	123.99	125.67	130.74	---	---	138.18
14	139.02	135.64	131.71	128.13	125.72	123.05	123.99	125.70	130.87	---	---	138.11
15	138.92	135.54	131.61	128.08	125.63	123.01	124.04	125.82	131.00	---	---	137.99
16	138.82	135.36	131.45	128.00	125.51	122.99	123.95	125.89	131.14	---	---	137.89
17	138.77	135.24	131.35	127.89	125.37	122.96	123.92	125.96	131.28	---	---	137.88
18	138.70	135.19	131.37	127.83	125.25	122.90	123.97	126.10	131.38	---	---	137.84
19	138.61	135.03	131.24	127.75	125.10	122.82	124.04	126.24	131.52	---	---	137.73
20	138.47	134.92	131.08	127.64	125.01	122.79	123.96	126.33	131.70	---	---	137.65
21	138.40	134.79	130.92	127.58	124.88	122.83	123.88	126.45	131.89	---	138.92	137.59
22	138.35	134.67	130.71	127.52	124.76	122.81	123.94	126.54	132.09	---	138.97	137.52
23	138.28	134.55	130.56	127.40	124.71	122.82	124.04	126.65	132.25	---	139.07	137.47
24	138.22	134.47	130.45	127.31	124.67	122.91	124.10	126.81	132.56	---	139.21	137.44
25	138.14	134.39	130.32	127.28	124.55	122.92	124.19	127.01	132.77	---	139.35	137.39
26	138.08	134.26	130.24	127.22	124.41	122.87	124.31	127.24	132.93	---	139.42	137.33
27	137.97	134.19	130.08	127.07	124.28	122.98	124.42	127.44	133.00	---	139.32	137.27
28	137.75	134.09	129.85	127.04	124.15	123.09	124.51	127.62	133.09	---	139.26	137.22
29	137.57	133.97	129.75	127.01	---	123.18	124.60	127.79	133.24	---	139.26	137.17
30	137.46	133.84	129.68	126.95	---	123.18	124.71	127.98	133.37	---	139.24	137.13
31	137.32	---	129.55	126.85	---	123.09	---	128.18	---	---	139.20	---
MAX	140.11	137.21	133.64	129.52	126.76	124.03	124.71	128.18	133.37	---	---	139.21
MIN	137.32	133.84	129.55	126.85	124.15	122.79	123.05	124.80	128.38	---	---	137.13

GROUND-WATER LEVELS, PRIMARY OBSERVATION WELLS

LAS VEGAS VALLEY--Continued

361626115090701. Local number, 212 S19 E61 21DDB1.

LOCATION.--Lat 36°16'52", long 115°09'31", Hydrologic Unit 15010015, in Clark County.

AQUIFER.--Alluvium of Quaternary age.

INSTRUMENTATION.--Water-level recorder November 2000 to current year.

DATUM.--Elevation of land-surface datum is 2,160 ft above NGVD of 1929, from topographic map. Measuring point: 2 in pipe on north side of pump base, 1.5 ft above land-surface datum.

PERIOD OF RECORD.--1973 to 1985, annual; 1986 to 1990, intermittent; 1991 to October 2000, quarterly; November 2000 to current year, hourly.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.75 ft below land-surface datum, April 24, 1973; lowest recorded, 47.59 ft below land-surface datum, September 1, 4, and 5, 2002.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47.13	46.79	46.49	46.34	46.23	46.25	46.23	46.33	46.72	47.22	47.41	47.39
2	47.12	46.78	46.47	46.33	46.27	46.26	46.25	46.33	46.73	47.23	47.40	47.39
3	47.11	46.76	46.48	46.31	46.27	46.23	46.27	46.33	46.75	47.24	47.40	47.39
4	47.09	46.75	46.48	46.31	46.26	46.23	46.25	46.35	46.77	47.25	47.40	47.40
5	47.07	46.75	46.46	46.31	46.27	46.26	46.27	46.35	46.80	47.26	47.40	47.39
6	47.06	46.73	46.45	46.31	46.28	46.25	46.28	46.35	46.81	47.27	47.40	47.39
7	47.04	46.71	46.44	46.30	46.27	46.25	46.30	46.37	46.83	47.29	47.40	47.38
8	47.02	46.68	46.45	46.29	46.26	46.27	46.29	46.37	46.85	47.30	47.41	47.38
9	47.01	46.68	46.44	46.28	46.28	46.26	46.24	46.40	46.87	47.31	47.41	47.37
10	47.00	46.69	46.42	46.29	46.27	46.25	46.21	46.42	46.89	47.32	47.41	47.39
11	47.00	46.70	46.42	46.30	46.27	46.24	46.21	46.42	46.91	47.33	47.40	47.39
12	47.00	46.68	46.42	46.30	46.24	46.26	46.24	46.42	46.92	47.34	47.40	47.37
13	46.99	46.66	46.41	46.30	46.23	46.25	46.25	46.43	46.95	47.35	47.41	47.38
14	46.97	46.66	46.40	46.28	46.24	46.24	46.24	46.43	46.97	47.35	47.41	47.38
15	46.96	46.66	46.38	46.30	46.26	46.23	46.27	46.45	46.98	47.36	47.42	47.36
16	46.94	46.64	46.35	46.29	46.25	46.22	46.26	46.46	47.00	47.37	47.40	47.35
17	46.94	46.62	46.35	46.28	46.25	46.24	46.25	46.47	47.02	47.37	47.39	47.37
18	46.93	46.63	46.39	46.28	46.26	46.25	46.27	46.49	47.02	47.38	47.39	47.37
19	46.93	46.62	46.38	46.28	46.24	46.26	46.29	46.52	47.04	47.39	47.40	47.36
20	46.91	46.60	46.36	46.27	46.26	46.26	46.27	46.53	47.06	47.39	47.40	47.35
21	46.90	46.59	46.36	46.28	46.26	46.28	46.25	46.54	47.08	47.39	47.39	47.35
22	46.90	46.56	46.34	46.28	46.25	46.27	46.26	46.55	47.09	47.40	47.39	47.35
23	46.88	46.55	46.34	46.27	46.24	46.24	46.28	46.56	47.10	47.40	47.39	47.35
24	46.87	46.55	46.36	46.27	46.24	46.27	46.27	46.57	47.13	47.41	47.40	47.35
25	46.86	46.55	46.36	46.28	46.23	46.28	46.27	46.59	47.15	47.41	47.39	47.35
26	46.85	46.54	46.36	46.28	46.23	46.25	46.28	46.62	47.16	47.41	47.39	47.34
27	46.84	46.54	46.35	46.25	46.24	46.28	46.29	46.64	47.17	47.41	47.39	47.34
28	46.82	46.53	46.31	46.27	46.24	46.30	46.30	46.65	47.17	47.42	47.38	47.34
29	46.80	46.51	46.32	46.27	---	46.31	46.30	46.66	47.19	47.42	47.38	47.34
30	46.80	46.50	46.33	46.27	---	46.28	46.32	46.68	47.20	47.42	47.39	47.35
31	46.79	---	46.32	46.26	---	46.25	---	46.70	---	47.42	47.39	---
MAX	47.13	46.79	46.49	46.34	46.28	46.31	46.32	46.70	47.20	47.42	47.42	47.40
MIN	46.79	46.50	46.31	46.25	46.23	46.22	46.21	46.33	46.72	47.22	47.38	47.34

WTR YR 2003 HIGH 46.18 APR 10 LOW 47.43 JUL 30-31, AUG 15

GROUND-WATER LEVELS, PRIMARY OBSERVATION WELLS

LAS VEGAS VALLEY--Continued

361456115111001. Local number, 212 S19 E61 32CC1.

LOCATION.--Lat 36°14'55", long 115°11'16", Hydrologic Unit 15010015, in Clark County.

AQUIFER.--Alluvium of Quaternary age.

INSTRUMENTATION.--Water-level recorder August 1998 to current year.

DATUM.--Elevation of land-surface datum is 2,190 ft above NGVD of 1929, from topographic map. Measuring point: top lip of casing, 1.69 ft above land-surface datum.

PERIOD OF RECORD.--August 1998 to current year, hourly.

EXTREMES FOR PERIOD OF RECORD.--Highest recorded water level, 122.69 ft below land-surface datum, May 14, 2003; lowest, 144.88 ft below land-surface datum, October 5, 1998.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003 DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	126.50	126.01	125.19	124.46	123.57	122.95	122.80	123.14	123.73	124.16
2	---	---	126.46	125.99	125.28	124.45	123.59	122.90	122.79	123.15	123.71	124.19
3	---	---	126.48	125.95	125.27	124.33	123.61	122.89	122.80	123.17	123.70	124.20
4	---	---	126.49	125.93	125.19	124.31	123.53	122.89	122.81	123.18	123.71	124.23
5	---	---	---	125.90	125.19	124.33	123.55	122.88	122.85	123.18	123.72	124.24
6	---	---	---	125.93	125.20	124.30	123.54	122.83	122.84	123.19	123.75	124.24
7	---	---	126.40	125.89	125.15	124.27	123.59	122.84	122.84	123.23	123.77	124.22
8	---	---	126.44	125.83	125.11	124.29	123.54	122.81	122.83	123.27	123.79	124.22
9	---	---	126.40	125.81	125.13	124.25	123.46	122.85	122.86	123.30	123.83	124.24
10	---	---	126.34	125.81	125.08	124.19	123.42	122.86	122.88	123.31	123.84	124.34
11	126.61	---	126.34	125.82	125.06	124.13	123.40	122.84	122.87	123.33	123.83	124.36
12	126.68	---	---	125.84	124.95	124.14	123.38	122.83	122.88	123.35	123.86	124.32
13	126.66	---	---	125.81	124.88	124.10	123.37	122.82	122.92	123.36	123.90	124.37
14	126.64	---	---	125.75	124.88	124.03	123.29	122.77	122.93	123.38	123.94	124.39
15	126.62	---	---	125.78	124.88	123.99	123.34	122.81	122.92	123.40	123.99	124.36
16	126.60	---	---	125.75	124.84	123.94	123.27	122.79	122.93	123.44	123.98	124.35
17	126.64	---	---	125.70	124.82	123.95	123.21	122.77	122.94	123.47	123.95	124.43
18	---	---	---	125.67	124.80	123.97	123.21	122.80	122.92	123.50	123.96	124.49
19	---	---	126.21	125.65	124.72	123.96	123.24	122.85	122.92	123.52	124.01	124.48
20	---	---	126.16	125.60	124.73	123.94	123.15	122.84	122.94	123.52	124.04	124.49
21	---	---	126.14	125.59	124.70	123.95	123.07	122.82	122.96	123.52	124.03	124.49
22	---	---	126.08	125.60	124.63	123.89	123.07	122.81	122.95	123.55	124.02	124.49
23	---	---	126.08	125.52	124.57	123.81	123.08	122.79	122.94	123.57	124.05	124.51
24	---	---	126.13	125.50	124.54	123.84	123.04	122.76	123.07	123.58	124.07	124.54
25	---	---	126.12	125.51	124.50	123.86	123.00	122.78	123.12	123.62	124.06	124.54
26	---	---	126.14	125.49	124.48	123.77	122.99	122.84	123.11	123.63	124.09	124.53
27	---	---	126.10	125.40	124.46	123.81	122.96	122.85	123.07	123.63	124.10	124.55
28	---	126.57	125.95	125.40	124.46	123.87	122.96	122.82	123.08	123.65	124.10	124.55
29	---	126.53	125.96	125.42	---	123.87	122.94	122.79	123.11	123.66	124.11	124.57
30	---	126.53	126.00	125.39	---	123.78	122.94	122.79	123.13	123.70	124.13	124.60
31	---	---	125.95	125.33	---	123.66	---	122.80	---	123.72	124.13	---
MAX	---	---	---	126.01	125.28	124.46	123.61	122.95	123.13	123.72	124.13	124.60
MIN	---	---	---	125.33	124.46	123.66	122.94	122.76	122.79	123.14	123.70	124.16

GROUND-WATER LEVELS, PRIMARY OBSERVATION WELLS

LAS VEGAS VALLEY--Continued

361232115061001. Local number, 212 S20 E61 13ABDB1.

LOCATION.--Lat 36°12'57", long 115°06'16", Hydrologic Unit 15010015, in Clark County.

AQUIFER.--Alluvium of Quaternary age.

INSTRUMENTATION.--Water-level recorder January 1999 to current year.

DATUM.--Elevation of land-surface datum is 1,857 ft above NGVD of 1929, from topographic map. Measuring point: pipe on west side of pump base, .50 ft above land-surface datum.

PERIOD OF RECORD.--February 1973 through 1985, yearly; 1986, monthly; 1989 to 1998 yearly; January 1999 to current year, hourly.

EXTREMES FOR PERIOD OF RECORD.--Highest recorded water level, 39.98 ft below land-surface datum, September 26, 2003; lowest, 82.64 ft below land-surface datum, September 12, 1984.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41.48	41.45	41.31	41.24	41.07	40.90	40.58	40.53	40.44	40.45	40.38	40.18
2	41.50	41.45	41.29	41.23	41.13	40.91	40.59	40.51	40.43	40.44	40.36	40.17
3	41.51	41.43	41.31	41.21	41.14	40.85	40.61	40.52	40.42	40.44	40.35	40.16
4	41.50	41.44	41.32	41.20	41.11	40.84	40.58	40.52	40.42	40.44	40.30	40.16
5	41.50	41.46	41.32	41.19	41.12	40.86	40.61	40.51	40.45	40.43	40.29	40.15
6	41.50	41.44	41.30	41.20	41.13	40.84	40.62	40.49	40.48	40.42	40.29	40.14
7	41.47	41.40	41.30	41.18	41.12	40.83	40.65	40.49	40.47	40.43	40.30	40.12
8	41.46	41.37	41.32	41.16	41.11	40.86	40.63	40.49	40.46	40.44	40.31	40.10
9	41.45	41.39	41.31	41.16	41.13	40.84	40.59	40.52	40.42	40.45	40.32	40.09
10	41.43	41.42	41.28	41.17	41.11	40.81	40.54	40.53	40.39	40.45	40.31	40.12
11	41.46	41.45	41.29	41.19	41.11	40.78	40.53	40.51	40.38	40.44	40.29	40.13
12	41.50	41.43	41.30	41.19	41.04	40.78	40.54	40.50	40.39	40.44	40.30	40.09
13	41.48	41.40	41.29	41.17	40.97	40.78	40.54	40.49	40.42	40.44	---	40.10
14	41.46	41.41	41.28	41.14	40.99	40.76	40.52	40.47	40.43	40.45	---	40.09
15	41.44	41.42	41.26	41.16	41.00	40.74	42.51	40.48	40.43	40.42	---	40.06
16	41.42	41.39	41.21	41.17	40.99	40.72	43.54	40.47	40.43	40.43	40.34	40.03
17	41.43	41.38	41.22	41.16	40.99	40.73	43.47	40.46	40.43	40.42	40.31	40.04
18	41.45	41.41	41.27	41.15	41.00	40.75	41.07	40.47	40.42	40.43	40.29	40.06
19	41.45	41.40	41.27	41.15	40.96	40.72	40.55	40.50	40.41	40.42	40.30	40.03
20	41.44	41.38	41.25	41.13	40.98	40.68	40.50	40.48	40.42	40.41	40.29	40.03
21	41.43	41.36	41.25	41.14	40.98	40.69	40.50	40.47	40.43	40.38	40.28	40.02
22	41.44	41.33	41.23	41.14	40.94	40.67	40.51	40.47	40.42	40.38	40.26	40.02
23	41.44	41.32	41.24	41.12	40.93	40.64	40.52	40.45	40.41	40.38	40.26	40.00
24	41.44	41.31	41.27	41.12	40.92	40.66	40.52	40.43	40.47	40.38	40.26	40.01
25	41.44	41.32	41.27	41.15	40.91	40.68	40.53	40.44	40.49	40.39	40.21	40.01
26	41.44	41.32	41.28	41.16	40.90	40.63	40.52	40.46	40.48	40.40	40.22	40.00
27	41.45	41.32	41.27	41.12	40.90	40.66	40.52	40.47	40.44	40.38	40.22	40.01
28	41.43	41.32	41.19	41.13	40.90	40.70	40.52	40.46	40.43	40.38	40.21	40.01
29	41.42	41.31	41.19	41.15	---	40.71	40.52	40.44	40.44	40.38	40.19	40.01
30	41.43	41.31	41.23	41.15	---	40.67	40.53	40.44	40.46	40.39	40.19	40.01
31	41.43	---	41.20	41.13	---	40.62	---	40.44	---	40.39	40.18	---
MAX	41.51	41.46	41.32	41.24	41.14	40.91	43.54	40.53	40.49	40.45	---	40.18
MIN	41.42	41.31	41.19	41.12	40.90	40.62	40.50	40.43	40.38	40.38	---	40.00

GROUND-WATER LEVELS, PRIMARY OBSERVATION WELLS

LAS VEGAS VALLEY--Continued

361400115040901. Local number, 212 S20 E62 05CAA1.

LOCATION.--Lat 36°14'00", long 115°04'09", Hydrologic Unit 15010015, in Clark County.

AQUIFER.--Alluvium of Quaternary age.

INSTRUMENTATION.--Water-level recorder August 1998 to current year.

DATUM.--Elevation of land-surface datum is 1,869 ft above NGVD of 1929, from topographic map. Measuring point: hole in top of casing, 1.5 ft above land-surface datum.

PERIOD OF RECORD.--February 1973 to July 1998, intermittent, August 1998 to current year, hourly.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 70.56 ft below land-surface datum, May 12, 13, 1999; lowest measured, 157.36 ft below land-surface datum, September 15, 1993.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88.05	---	---	80.36	82.03	79.35	77.93	78.12	79.95	83.91	88.81	89.98
2	87.95	---	---	80.49	82.13	79.26	77.95	78.11	80.01	84.02	88.92	89.89
3	87.80	---	---	80.61	82.03	79.12	77.97	78.11	80.11	84.04	89.08	89.71
4	87.63	---	---	80.64	81.87	79.08	77.91	78.14	80.20	84.06	89.13	89.79
5	87.50	---	---	80.71	81.78	79.09	77.94	78.15	80.34	84.06	89.18	89.98
6	87.45	---	---	80.69	81.68	79.03	77.94	78.13	80.44	84.08	89.25	90.17
7	87.37	---	81.55	80.64	81.54	78.97	77.96	78.16	80.53	84.11	89.36	90.38
8	87.29	---	81.50	80.68	81.44	79.00	77.93	78.18	80.58	84.17	89.47	90.52
9	87.31	---	81.39	80.69	81.36	78.97	77.90	78.24	80.69	84.41	89.55	90.69
10	87.47	---	81.27	80.84	81.23	78.92	77.92	78.27	80.80	84.54	89.50	90.84
11	87.50	---	81.20	80.93	81.13	78.87	77.94	78.29	80.89	84.50	89.40	90.90
12	87.47	---	81.13	81.06	80.97	78.85	77.99	78.34	81.12	84.58	89.37	90.91
13	87.34	---	81.03	81.16	80.84	78.81	78.04	78.39	81.30	84.61	89.36	91.06
14	87.20	---	80.92	81.23	80.76	78.77	78.06	78.41	81.41	84.54	89.43	91.33
15	87.07	---	80.80	81.30	80.68	78.72	78.13	78.53	81.48	84.61	89.51	91.40
16	86.95	---	80.64	81.29	80.56	78.65	78.09	78.60	81.59	84.98	89.60	91.50
17	86.89	---	80.58	81.36	80.46	78.59	78.02	78.68	81.67	85.21	89.70	91.84
18	---	---	80.63	81.36	80.38	78.55	78.03	78.79	81.71	85.52	89.78	92.15
19	---	---	80.54	81.39	80.23	78.51	78.04	78.92	81.77	85.82	89.75	92.25
20	---	---	80.43	81.34	80.17	78.44	77.95	79.01	81.87	86.21	89.56	92.38
21	---	---	80.36	81.37	80.08	78.41	77.88	79.09	81.95	86.48	89.31	92.59
22	---	---	80.24	81.51	79.94	78.37	77.90	79.19	82.01	86.67	89.08	92.74
23	---	---	80.19	81.61	79.84	78.27	77.92	79.28	82.08	86.72	89.16	92.88
24	---	---	80.17	81.86	79.76	78.26	77.86	79.36	82.26	86.83	89.35	92.99
25	---	---	80.11	82.06	79.66	78.26	77.87	79.47	82.37	87.16	89.25	93.15
26	---	---	80.11	82.18	79.57	78.14	77.90	79.59	82.41	87.47	89.30	93.27
27	---	---	80.08	82.19	79.50	78.16	77.92	79.66	82.43	87.82	89.52	93.42
28	---	---	80.05	82.20	79.42	78.20	77.96	79.71	82.70	88.06	89.70	93.60
29	---	---	80.16	82.32	---	78.19	78.01	79.75	83.23	88.25	89.85	93.74
30	---	---	80.25	82.30	---	78.12	78.07	79.81	83.63	88.44	89.81	93.84
31	---	---	80.26	82.18	---	78.01	---	79.88	---	88.61	89.93	---
MAX	---	---	---	82.32	82.13	79.35	78.13	79.88	83.63	88.61	89.93	93.84
MIN	---	---	---	80.36	79.42	78.01	77.86	78.11	79.95	83.91	88.81	89.71

361410115142601. Local number, 212 S20 E60 02CCBB1.

AQUIFER.--Alluvium of Quaternary age.

DATUM.--Elevation of land-surface datum is 2,312 ft above NGVD of 1929, from topographic map. Measuring point: top lip of casing, 1.36 ft above land-surface datum.

PERIOD OF RECORD.--November 1994 to current year.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

WTR YR 2003 HIGH 244.99 APRIL 29 LOW 301.04 SEPTEMBER 21

GROUND-WATER LEVELS, PRIMARY OBSERVATION WELLS

LAS VEGAS SUBSIDENCE STUDY--Continued

361410115142602. Local number, 212 S20 E60 02CCBB2.

LOCATION.--Lat 36°14'10", long 115°14'26", Hydrologic Unit 15010015, in Clark County.

AQUIFER.--Alluvium of Quaternary age.

INSTRUMENTATION.--Water-level recorder since November 1994, hourly.

DATUM.--Elevation of land-surface datum is 2,312 ft above NGVD of 1929, from topographic map. Measuring point: top lip of casing, 1.36 ft above land-surface datum.

REMARKS.--In Las Vegas Valley.

PERIOD OF RECORD.--November 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 227.15 ft below land-surface datum, May 1, 2001, lowest, 311.46 ft below land-surface datum, October 1, 1997.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003												
DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	280.44	269.85	265.41	259.45	252.72	247.57	244.46	242.76	255.36	264.04	273.22	272.97
2	281.03	269.75	265.17	258.97	252.56	247.53	244.41	244.09	255.82	264.61	272.03	272.28
3	279.76	269.53	265.09	258.60	252.64	247.12	244.57	245.83	256.73	265.23	270.97	272.15
4	277.08	269.31	265.08	258.33	252.30	246.79	244.42	245.55	257.52	265.28	271.67	272.41
5	276.17	269.33	264.96	258.01	252.10	246.83	244.38	246.99	257.56	265.06	271.81	272.39
6	275.68	269.15	264.71	257.93	252.02	246.70	244.43	248.52	257.57	265.46	272.55	272.61
7	275.18	268.77	264.54	257.75	251.82	246.48	244.52	249.94	257.71	265.85	273.23	272.94
8	274.70	268.40	264.58	257.39	251.52	246.42	244.48	249.29	257.81	266.49	273.55	273.02
9	274.40	268.25	264.43	257.15	251.44	246.29	244.18	250.24	258.18	267.07	273.82	273.10
10	274.08	268.37	264.14	256.98	251.25	246.00	243.98	249.64	258.52	267.44	274.01	273.51
11	273.86	268.46	263.60	256.88	251.00	245.70	243.93	250.08	258.76	267.76	272.29	273.89
12	273.83	268.37	262.80	256.83	250.73	245.57	243.83	251.99	259.03	268.14	273.45	273.63
13	273.55	267.99	262.49	256.64	250.37	245.44	243.80	251.98	259.38	268.41	273.58	273.73
14	273.18	267.87	262.19	256.31	250.23	245.31	243.66	251.71	259.70	268.59	273.53	273.10
15	272.86	267.85	261.82	256.17	250.20	245.77	243.67	252.41	259.98	268.97	272.86	274.91
16	272.54	267.65	261.41	256.07	249.98	245.73	243.71	252.29	259.99	269.34	272.83	277.36
17	272.36	267.29	261.06	255.76	249.83	245.73	243.41	253.64	260.23	269.84	272.44	278.79
18	272.26	267.37	261.19	255.54	249.62	245.86	243.40	253.62	260.42	270.33	272.41	279.87
19	272.12	267.24	261.23	255.35	249.36	245.90	243.52	253.75	260.59	270.57	272.63	280.47
20	271.86	267.09	260.78	255.12	249.12	245.80	243.40	255.21	260.96	270.60	272.17	281.04
21	271.61	266.85	260.59	254.94	249.10	245.82	243.07	255.47	261.23	270.77	271.82	277.88
22	271.44	266.55	260.28	254.89	248.74	245.73	242.98	255.51	261.49	270.63	271.55	276.22
23	271.36	266.29	260.04	254.62	248.50	245.44	243.08	256.17	261.71	270.98	271.45	275.63
24	271.15	266.28	260.04	254.37	248.25	245.35	243.02	256.73	262.24	271.21	271.71	275.19
25	270.89	266.21	259.89	254.27	248.09	245.53	242.89	256.67	262.74	271.47	272.15	274.14
26	270.70	266.17	259.75	254.19	247.98	245.25	242.84	257.27	262.99	271.14	272.31	272.76
27	270.67	266.03	259.82	253.79	247.80	245.17	242.76	257.90	263.03	270.36	272.92	272.18
28	270.45	265.93	260.09	253.56	247.74	245.37	242.72	257.08	263.08	272.12	272.98	271.72
29	270.16	265.64	259.91	254.17	--	245.43	242.65	254.70	263.39	272.59	273.29	271.29
30	270.06	265.53	260.18	253.85	--	245.24	242.65	253.97	263.77	273.00	273.05	270.96
31	269.93	--	259.97	253.25	--	244.82	--	253.74	--	273.37	273.02	--
MAX	281.03	269.85	265.41	259.45	252.72	247.57	244.57	257.90	263.77	273.37	274.01	281.04
MIN	269.93	265.53	259.75	253.25	247.74	244.82	242.65	242.76	255.36	264.04	270.97	270.96
WTR YR 2003		HIGH 242.57 APRIL 29		LOW 281.39 OCTOBER 2								

361410115142603. Local number, 212 S20 E60 02CCBB3.

AQUIFER.--Alluvium of Quaternary age.

DATUM.--Elevation of land-surface datum is 2,312 ft above NGVD of 1929, from topographic map. Measuring point: top lip of casing, 1.36 ft above land-surface datum.

PERIOD OF RECORD.--November 1994 to current year.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	232.20	231.62	229.15	225.75	221.97	218.09	215.87	215.26	219.58	225.12	229.83	231.80
2	232.28	231.63	228.92	225.69	221.92	218.08	215.85	214.99	219.72	225.24	229.99	231.91
3	232.35	231.51	228.83	225.53	222.01	217.74	215.90	214.98	219.89	225.49	230.08	231.98
4	232.33	231.41	228.83	225.48	221.75	217.48	215.82	215.05	220.08	225.71	230.23	232.00
5	232.30	231.59	228.75	225.34	221.59	217.54	215.84	215.08	220.30	225.89	230.33	232.03
6	232.34	231.52	228.57	225.37	221.53	217.50	215.96	214.97	220.60	226.04	230.37	231.96
7	232.35	231.21	228.44	225.26	221.41	217.43	216.13	214.91	220.83	226.32	230.32	231.99
8	232.27	230.87	228.50	225.02	221.19	217.60	216.13	214.95	221.06	226.58	230.47	232.04
9	232.27	230.71	228.54	224.83	221.18	217.66	215.85	215.23	221.33	226.83	230.64	232.06
10	232.25	230.87	228.36	224.65	221.20	217.53	215.69	215.53	221.67	226.87	230.75	232.28
11	232.40	231.13	228.34	224.56	221.03	217.36	215.74	215.68	221.84	227.03	230.94	232.39
12	232.61	231.18	228.36	224.56	220.72	217.23	215.80	215.88	221.97	227.24	231.10	232.43
13	232.62	230.84	228.23	224.45	220.33	217.09	215.82	215.99	222.22	227.29	231.23	232.46
14	232.59	230.77	228.09	224.19	220.14	216.78	215.75	215.99	222.47	227.52	231.49	232.68
15	232.54	230.80	227.82	224.13	220.09	216.59	215.65	216.23	222.59	227.68	231.65	232.64
16	232.44	230.65	227.54	224.07	219.90	216.37	215.49	216.46	222.72	227.87	231.76	232.54
17	232.45	230.43	227.27	223.84	219.82	216.26	215.19	216.58	222.83	228.10	231.72	232.64
18	232.54	230.60	227.49	223.76	219.71	216.29	215.20	216.70	222.88	228.19	231.81	232.88
19	232.59	230.56	227.65	223.65	219.51	216.36	215.25	217.16	223.00	228.37	231.94	232.77
20	232.45	230.42	227.24	223.50	219.34	216.32	215.28	217.32	223.18	228.41	231.76	232.83
21	232.35	230.27	227.05	223.41	219.35	216.42	215.09	217.44	223.35	228.46	231.54	233.01
22	232.38	230.03	226.78	223.43	219.09	216.48	215.06	217.59	223.56	228.57	231.33	233.15
23	232.43	229.84	226.60	223.23	218.91	216.34	215.20	217.76	223.73	228.76	231.44	233.12
24	232.36	229.86	226.65	223.02	218.73	216.37	215.16	217.87	224.11	228.85	231.60	233.15
25	232.20	229.89	226.56	222.97	218.60	216.58	215.03	217.99	224.51	228.87	231.65	233.19
26	232.19	229.91	226.51	222.93	218.46	216.32	215.07	218.30	224.61	228.93	231.72	233.15
27	232.21	229.83	226.42	222.60	218.28	216.23	215.06	218.66	224.65	229.19	231.78	233.05
28	232.05	229.70	226.00	222.50	218.23	216.39	215.12	219.00	224.57	229.37	231.69	233.02
29	231.84	229.40	225.71	222.58	---	216.49	215.25	219.18	224.72	229.49	231.70	232.98
30	231.77	229.29	225.93	222.49	---	216.42	215.21	219.24	225.00	229.58	231.69	232.95
31	231.65	---	225.71	222.34	---	216.13	---	219.49	---	229.66	231.65	---
MAX	232.62	231.63	229.15	225.75	222.01	218.09	216.13	219.49	225.00	229.66	231.94	233.19
MIN	231.65	229.29	225.71	222.34	218.23	216.13	215.03	214.91	219.58	225.12	229.83	231.80
WTR	YR 2003	HIGH 214.84	MAY7	LOW 233.33	SEPTEMBER 25							

GROUND-WATER LEVELS, PRIMARY OBSERVATION WELLS

LAS VEGAS VALLEY--Continued

360349115100001. Local number, 212 S22 E61 04BCB1; previously published as 212 S22 E61 04BCC 1.

LOCATION.--Lat 36°04'40", long 115°10'14", Hydrologic Unit 15010015, in Clark County.

AQUIFER.--Alluvium of Quaternary age.

INSTRUMENTATION.--Water level recorder since July 1997, hourly

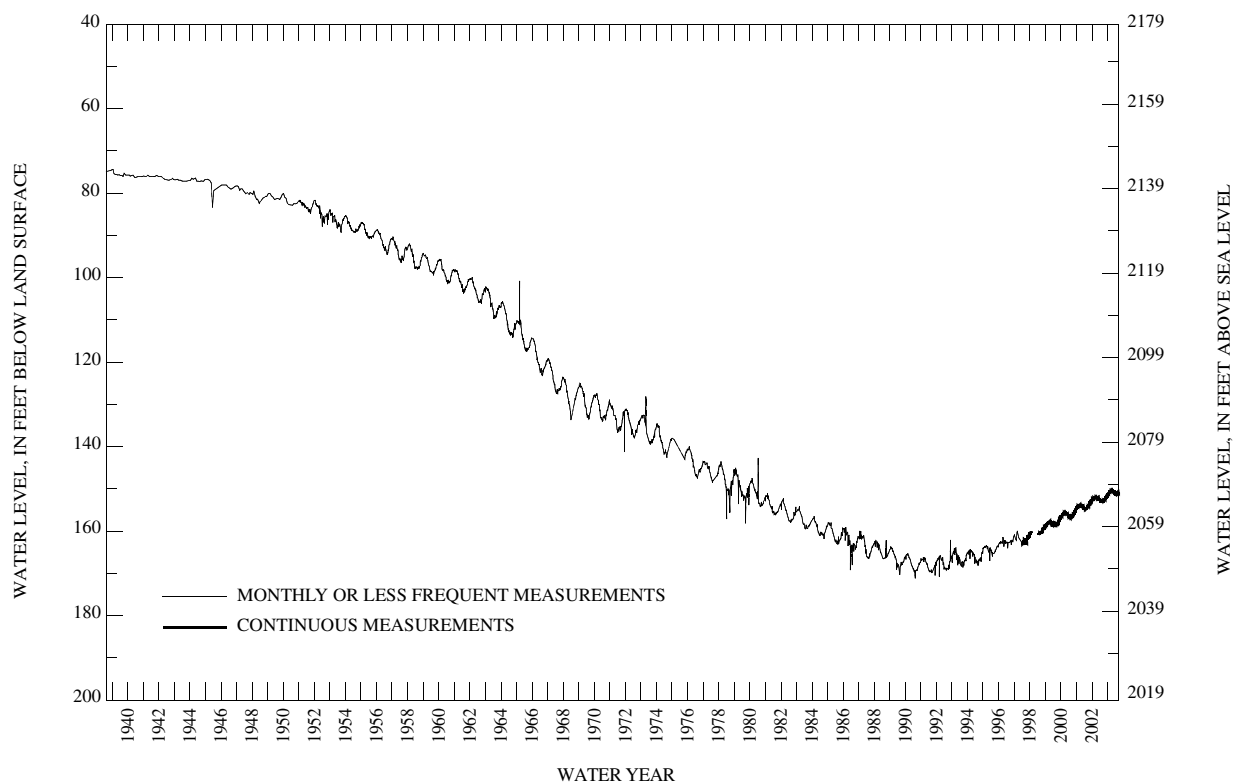
DATUM.--Elevation of land-surface datum is 2,219 ft above NGVD of 1929, from topographic map. Measuring point: Hole in top of casing, 0.8 ft above land-surface datum.

REMARKS.--Annual ground-water network; weekly measurements with steel tape supplied by Office of Nevada State Engineer and U.S. Geological Survey personnel.

PERIOD OF RECORD.--1938 (unpublished and available in the files of the U.S. Geological Survey); January 1939 through December 1950, monthly; January 1951 through June 1978, continuous (unpublished and available in the files of the Nevada Division of Water Resources); July 1978 to June 1997, weekly; July 1997 to current year, hourly.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 74.40 ft below land-surface datum, January 25, 1939; lowest measured, 183.36 ft below land-surface datum, June 15, 1992.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003 DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	153.07	152.65	151.98	151.49	151.10	150.75	150.58	150.51	150.76	150.98	151.14	151.15
10	152.83	152.38	151.82	151.36	151.12	150.75	150.60	150.62	150.76	151.16	151.22	151.12
15	152.72	152.50	151.69	151.46	150.94	150.52	150.64	150.54	150.85	151.20	151.29	151.08
20	152.69	152.36	151.66	151.28	150.87	150.69	150.57	150.68	150.75	151.29	151.21	151.07
25	152.59	152.11	151.72	151.31	150.68	150.77	150.48	150.55	151.07	151.30	151.16	151.07
BOM	152.52	152.04	151.54	151.21	150.76	150.62	150.57	150.72	150.99	151.28	151.09	151.08
WTR YR 2003 HIGH 150.37 APR 21 LOW 153.13 OCT 6												



GROUND-WATER LEVELS

LAS VEGAS VALLEY--Continued

Water Level--Levels above LSD (land-surface datum) are listed as negative values.

Water Level Status--D, site was dry (no water-level recorded); P, site was being pumped; R, the same site had been pumped recently.

Water Level Method--G, pressure gage; S, steel tape; T, electric tape; V, calibrated electric tape.

Reporting Agency--NV003, Nevada Division of Water Resources; USGS, U.S. Geological Survey

Water Level Accuracy--0, water level accurate to the nearest foot; 1, water level accurate to the nearest tenth of a foot;

2, water level accurate to the nearest one-hundredth of a foot.

The following sites are shown in figure 37.

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet) Above Sea Level)	Water Level (Below Land Surface)					
				Date	(Feet)	Status	Method	Reporting Agency	Accuracy
162 S21 E54 10AAC 1	360836115531701	472.	2885.	10/18/2002	72.52		T	NV003	1
				11/14/2002	71.15		T	NV003	1
				01/02/2003	69.95		T	NV003	1
				02/10/2003	69.82		T	NV003	1
				03/11/2003	69.62		T	NV003	1
				04/03/2003	69.42		T	NV003	1
				05/19/2003	70.40		T	NV003	1
				06/19/2003	71.22		T	NV003	1
				07/22/2003	71.90		T	NV003	1
				08/12/2003	72.12		T	NV003	1
212 S17 E58 14BCBA1	362830115270501	300.	3180.	09/23/2003	72.78		T	NV003	1
				11/06/2002	211.84		V	USGS	2
				04/17/2003	213.05		S	USGS	2
				06/18/2003	211.63		V	USGS	2
				08/21/2003	211.97		S	USGS	2
212 S17 E59 20BD 1	362750115244001	300.	2950.	10/11/2002	26.56		S	USGS	2
				02/20/2003	28.22		S	USGS	2
				04/14/2003	28.17		S	USGS	2
				08/19/2003	28.38		S	USGS	2
212 S19 E59 03CBAC1	361937115215601	855.	3327.	04/16/2003	750.79		T	USGS	0
				08/19/2003	742.94		T	USGS	0
212 S19 E60 04DAB 2	361939115154801	780.	2454.	10/09/2002	106.48	R	S	USGS	2
				02/20/2003	101.05		S	USGS	2
				04/15/2003	100.82		T	USGS	1
				08/19/2003	108.75		S	USGS	2
212 S19 E60 09BCC 1	361843115161001	830.	2510.	10/09/2002	190.36		S	USGS	2
				02/20/2003	178.23		S	USGS	2
				04/14/2003	178.97		T	USGS	1
				08/19/2003	186.28		S	USGS	2
212 S19 E60 09DAD 2	361835115153701	300.	2440	10/09/2002	150.80		S	USGS	2
				02/20/2003	113.85		S	USGS	2
				04/14/2003	119.89		T	USGS	1
				08/19/2003	161.65		S	USGS	2
212 S19 E60 14BDDA1	361757115140201	300.	2350.	02/21/2003	122.13		T	USGS	1
				04/16/2003	121.34		T	USGS	1
				08/20/2003	146.74		T	USGS	1
				10/09/2002	146.47	R	S	USGS	2
212 S19 E60 22BDD 1	361703115150601	400.	2360.	02/18/2003	111.34		S	USGS	2
				04/14/2003	122.34		S	USGS	2
				08/21/2003	161.80		S	USGS	2
				02/18/2003	205.83	R	S	USGS	2
212 S19 E60 29BDD 1	361613115171401	303.	2530.	04/15/2003	207.21		T	USGS	1
				08/21/2003	214.79		T	USGS	1
				10/09/2002	173.80		S	USGS	2
212 S19 E60 29DD 1	361602115165501	350.	2470	02/19/2003	151.67		S	USGS	2
				04/15/2003	155.10		S	USGS	2
				08/21/2003	163.52		S	USGS	2
				10/09/2002	159.53		S	USGS	2
212 S19 E60 29DDDB1	361550115164801	400.	2462.	02/18/2003	147.25		S	USGS	2
				04/15/2003	150.16		T	USGS	1
				08/22/2003	163.67		S	USGS	2
				10/09/2002	145.32		S	USGS	2
212 S19 E60 36CBB 1	361453115130301	330.	2290.	02/18/2003	127.80		S	USGS	2
				04/15/2003	151.23		T	USGS	1
				08/21/2003	147.37		S	USGS	2

GROUND-WATER LEVELS
LAS VEGAS VALLEY--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)					
				Date	(Feet)	Status	Method	Reporting Agency	Accuracy
212 S19 E61 25CCC 1	361544115132701	275.	2301.	10/09/2002	140.42		S	USGS	2
				02/18/2003	112.62		S	USGS	2
				04/15/2003	114.69		S	USGS	2
				08/21/2003	136.47		S	USGS	2
212 S19 E61 31ADDD1	361516115112301	360.	2185.	10/08/2002	91.11		S	USGS	2
				02/19/2003	91.06		S	USGS	2
				04/14/2003	76.97		S	USGS	2
				08/19/2003	90.34	P	T	USGS	1
212 S19 E62 35DCDC1	361451115004401	838.	1867.	10/10/2002	83.79		S	USGS	2
				02/21/2003	77.35		T	USGS	1
				04/17/2003	77.09		S	USGS	2
				08/21/2003	71.70		T	USGS	1
212 S20 E60 04CAD 1	361417115161301	500.	2380.	10/09/2002	307.59	R	V	USGS	1
				02/19/2003	300.51		T	USGS	0
				04/15/2003	294.96		T	USGS	1
				08/21/2003	317.45	R	T	USGS	0
212 S20 E60 13ADAB1	361248115122701	38.	2210.	10/11/2002	18.29		S	USGS	2
				02/18/2003	18.65		S	USGS	2
				04/17/2003	18.77		S	USGS	2
				08/22/2003	18.77		S	USGS	2
212 S20 E61 01ACCD1	361425115061901	84.	1919.	10/08/2002	59.88		S	USGS	2
				02/19/2003	59.86		T	USGS	1
				04/14/2003	59.76		S	USGS	2
				08/20/2003	60.48		S	USGS	2
212 S20 E61 04BDCA1	361426115095001	270.	2103.	10/08/2002	72.91		S	USGS	2
				02/19/2003	72.34		T	USGS	1
				04/15/2003	65.50		S	USGS	2
				08/19/2003	72.98		T	USGS	1
212 S20 E61 04CDDD1	361346115095501	300.	2107.	10/01/2002	99.74		T	NV003	1
				10/08/2002	99.76		T	NV003	1
				10/14/2002	99.82		T	NV003	1
				10/21/2002	99.92		T	NV003	1
				10/28/2002	99.93		S	NV003	2
				11/04/2002	100.01		S	NV003	2
				11/12/2002	99.84		T	NV003	1
				11/20/2002	99.50		T	NV003	1
				11/25/2002	99.13		T	NV003	1
				12/02/2002	98.86		T	NV003	1
				12/09/2002	98.68		S	NV003	2
				12/16/2002	98.13		S	NV003	2
				12/23/2002	97.83		T	NV003	1
				12/30/2002	97.70		S	NV003	2
				01/08/2003	97.52		T	NV003	1
				01/14/2003	97.25		T	NV003	1
				01/21/2003	96.95		T	NV003	1
				01/28/2003	96.61		T	USGS	1
				02/03/2003	96.64		T	USGS	1
				02/10/2003	96.65		T	USGS	1
				02/20/2003	96.14		T	USGS	1
				03/03/2003	95.84		T	USGS	1
				03/10/2003	96.41		T	USGS	1
				03/19/2003	96.06		T	USGS	1
				03/24/2003	95.74		T	USGS	1
				04/03/2003	95.54		T	USGS	1
				04/09/2003	95.60		T	USGS	1
				04/16/2003	95.91		S	USGS	2
				04/21/2003	95.80		S	USGS	2
				04/29/2003	95.76		S	USGS	2
				05/05/2003	95.58		T	USGS	1
				05/13/2003	95.63		T	USGS	1
				05/19/2003	95.64		T	USGS	1
				05/27/2003	95.47		T	USGS	1

GROUND-WATER LEVELS

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LAS VEGAS VALLEY--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet) Above Sea Level)	Water Level (Below Land Surface)					
				Date	(Feet)	Status	Method	Reporting Agency	Accuracy
212 S20 E61 04CDDD1	361346115095501	300.	2107.	06/17/2003	95.61		T	USGS	1
				06/23/2003	95.54		S	USGS	2
				06/30/2003	95.65		T	USGS	1
				07/08/2003	95.36		T	USGS	1
				07/14/2003	95.25		T	USGS	1
				07/21/2003	95.49		T	USGS	1
				07/28/2003	95.24		T	USGS	1
				08/04/2003	95.15		T	USGS	1
				08/11/2003	95.01		T	USGS	1
				08/18/2003	94.81		T	USGS	1
				08/25/2003	94.80		S	USGS	2
				09/02/2003	94.69		T	USGS	1
				09/08/2003	94.46		T	USGS	1
				09/15/2003	94.52		T	USGS	1
				09/22/2003	94.55		T	USGS	1
212 S20 E61 06CBDD1	361346115115901	1000.	2211.	10/08/2002	73.99		S	USGS	2
				02/19/2003	69.13		T	USGS	1
				04/14/2003	75.27		S	USGS	2
				08/19/2003	74.49		S	USGS	2
212 S20 E61 14CCCC1	361212115065901	46.	1910.	10/08/2002	19.75		S	USGS	2
				02/19/2003	20.02		T	USGS	1
				04/14/2003	20.29		S	USGS	2
				08/20/2003	20.37		S	USGS	2
212 S20 E61 22BCDD1	361141115085001	1000.	2019.	10/18/2002	16.59		S	USGS	2
				02/19/2003	17.71		T	USGS	1
				04/14/2003	16.87		S	USGS	2
				08/20/2003	17.85		S	USGS	2
212 S20 E61 29CBB 2	361047115111601	967.	2143.14	10/28/2002	107.97		S	NV003	2
				11/04/2002	105.98		S	NV003	2
				11/12/2002	107.22		S	NV003	2
				11/20/2002	107.99		S	NV003	2
				11/25/2002	105.65		S	NV003	2
				12/02/2002	103.82		S	NV003	2
				12/09/2002	102.29		S	NV003	2
				12/16/2002	103.57		S	NV003	2
				12/23/2002	102.67		S	NV003	2
				12/30/2002	101.15		S	NV003	2
				01/08/2003	100.65		S	NV003	2
				01/14/2003	96.39		S	NV003	2
				01/21/2003	94.84		S	NV003	2
				01/28/2003	94.09		S	USGS	2
				02/03/2003	93.13		S	USGS	2
				02/10/2003	93.99		S	USGS	2
				02/20/2003	91.06		S	USGS	2
				03/03/2003	89.53		S	USGS	2
				03/10/2003	88.92		S	USGS	2
				03/19/2003	88.44		S	USGS	2
				03/24/2003	87.83		S	USGS	2
				04/03/2003	88.24		S	USGS	2
				04/09/2003	87.23		S	USGS	2
				04/16/2003	87.75		S	USGS	2
				04/21/2003	86.50		S	USGS	2
				04/29/2003	91.99		S	USGS	2
				05/05/2003	85.53		S	USGS	2
				05/13/2003	87.35		S	USGS	2
				05/19/2003	87.35		S	USGS	2
				05/27/2003	91.88		S	USGS	2
				06/17/2003	109.10		S	USGS	2
				08/18/2003	113.82		S	USGS	2

GROUND-WATER LEVELS
LAS VEGAS VALLEY--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet) Above Sea Level)	Water Level (Below Land Surface)					
				Date	(Feet)	Status	Method	Reporting Agency	Accuracy
212 S20 E61 30BDC 1	361053115120501	33.	2190.	10/08/2002	10.83		S	USGS	2
				02/19/2003	10.26		T	USGS	1
				04/14/2003	9.30		S	USGS	2
				08/19/2003	10.88		S	USGS	2
212 S20 E61 31DCD 1	360937115113401	18.	2155.	10/08/2002	10.64		S	USGS	2
				02/19/2003	9.82		T	USGS	1
				04/14/2003	10.89		S	USGS	2
				08/19/2003	10.73		S	USGS	2
212 S20 E61 32CDC 1	360941115104801	665.	2095.5	10/09/2002	33.63		S	USGS	2
				02/19/2003	30.91		T	USGS	1
				04/16/2003	29.14		S	USGS	2
				08/19/2003	33.54		S	USGS	2
212 S20 E61 34CAA 1	360837115095501	22.	2010.	10/09/2002	8.86		S	USGS	2
				02/19/2003	8.55		S	USGS	2
				04/14/2003	8.16		S	USGS	2
				08/20/2003	9.71		S	USGS	2
212 S20 E62 07DAAC1	361324115045201	315.	1873.	10/01/2002	79.61		T	NV003	1
				10/08/2002	79.27		T	NV003	1
				10/14/2002	79.24		T	NV003	1
				10/21/2002	78.94		T	NV003	1
				10/28/2002	78.91		S	NV003	2
				11/04/2002	78.77		S	NV003	2
				11/12/2002	78.97		T	NV003	1
				11/20/2002	78.85		T	NV003	1
				11/25/2002	78.72		T	NV003	1
				12/02/2002	78.59		T	NV003	1
				12/09/2002	78.56		S	NV003	2
				12/16/2002	77.75		S	NV003	2
				12/23/2002	78.29		T	NV003	1
				12/30/2002	78.31		S	NV003	2
				01/08/2003	78.18		T	NV003	1
				01/14/2003	78.13		T	NV003	1
				01/21/2003	78.10		T	NV003	1
				01/28/2003	77.99		T	USGS	1
				02/03/2003	78.28		T	USGS	1
				02/10/2003	78.14		T	USGS	1
				02/20/2003	77.93		T	USGS	1
				03/03/2003	77.82		T	USGS	1
				03/10/2003	77.80		T	USGS	1
				03/19/2003	77.86		T	USGS	1
				03/24/2003	77.74		T	USGS	1
				04/03/2003	77.78		T	USGS	1
				04/09/2003	77.79		T	USGS	1
				04/16/2003	77.63		S	USGS	2
				04/21/2003	77.29		S	USGS	2
				04/29/2003	77.43		S	USGS	2
				05/05/2003	77.44		T	USGS	1
				05/13/2003	77.42		T	USGS	1
				05/19/2003	77.55		T	USGS	1
				05/27/2003	77.49		T	USGS	1
				06/17/2003	77.47		T	USGS	1
				06/23/2003	77.26		S	USGS	2
				06/30/2003	77.47		T	USGS	1
				07/08/2003	77.50		T	USGS	1
				07/14/2003	77.48		T	USGS	1
				07/21/2003	77.49		T	USGS	1
				07/28/2003	77.51		T	USGS	1
				08/04/2003	77.82		T	USGS	1
				08/11/2003	77.83		T	USGS	1
				08/18/2003	77.47		T	USGS	1
				08/25/2003	77.60		S	USGS	2
				09/02/2003	77.48		T	USGS	1

GROUND-WATER LEVELS

LAS VEGAS VALLEY--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)					
				Date	(Feet)	Status	Method	Reporting Agency	Accuracy
212 S20 E62 07DAAC1	361324115045201	315.	1873.	09/08/2003	77.26		T	USGS	1
				09/15/2003	77.34		T	USGS	1
				09/22/2003	77.47		T	USGS	1
212 S20 E62 09CCC 1	361258115032101	650.	1827.	10/10/2002	138.55		S	USGS	2
				02/21/2003	65.77		T	USGS	1
				04/17/2003	74.55	P	S	USGS	2
212 S20 E62 15BBAB1	361233115021501	1000.	1816.	08/21/2003	136.59		T	USGS	1
				10/10/2002	88.63		S	USGS	2
				02/21/2003	95.10		T	USGS	1
212 S20 E62 16ACC 1	361241115024801	694.	1811.	04/17/2003	77.83		S	USGS	2
				08/21/2003	150.41		T	USGS	1
				10/10/2002	101.24		S	USGS	2
212 S20 E62 19DC 1	361123115050601	300.	1797.	02/21/2003	68.40		T	USGS	1
				04/17/2003	71.65		S	USGS	2
				08/21/2003	96.93		T	USGS	1
212 S20 E62 19DC 1	361123115050601	300.	1797.	10/01/2002	17.51		T	NV003	1
				10/08/2002	17.46		T	NV003	1
				10/14/2002	17.43		T	NV003	1
				10/21/2002	17.37		T	NV003	1
				10/28/2002	17.35		S	NV003	2
				11/04/2002	17.24		S	NV003	2
				11/12/2002	17.16		T	NV003	1
				11/20/2002	17.13		T	NV003	1
				11/25/2002	17.08		T	NV003	1
				12/02/2002	17.02		T	NV003	1
				12/09/2002	17.03		S	NV003	2
				12/16/2002	16.92		S	NV003	2
				12/23/2002	16.81		T	NV003	1
				12/30/2002	16.99		S	NV003	2
				01/08/2003	16.71		T	NV003	1
				01/14/2003	16.66		T	NV003	1
				01/21/2003	16.62		T	NV003	1
				01/28/2003	16.64		T	USGS	1
				02/03/2003	16.63		T	USGS	1
				02/10/2003	16.54		T	USGS	1
				02/20/2003	16.49		T	USGS	1
				03/03/2003	16.38		T	USGS	1
				03/10/2003	16.33		T	USGS	1
				03/19/2003	16.29		T	USGS	1
				03/24/2003	16.26		T	USGS	1
				04/03/2003	16.28		T	USGS	1
				04/09/2003	16.22		T	USGS	1
				04/16/2003	16.25		S	USGS	2
				04/21/2003	16.35		S	USGS	2
				04/29/2003	16.20		S	USGS	2
				05/05/2003	16.21		T	USGS	1
				05/13/2003	16.21		T	USGS	1
				05/19/2003	16.20		T	USGS	1
				05/27/2003	16.29		T	USGS	1
				06/17/2003	16.44		T	USGS	1
				06/23/2003	16.76		S	USGS	2
				06/30/2003	16.51		T	USGS	1
				07/08/2003	16.56		T	USGS	1
				07/14/2003	16.59		T	USGS	1
				07/21/2003	16.63		T	USGS	1
				07/28/2003	16.63		T	USGS	1
				08/04/2003	16.64		T	USGS	1
				08/11/2003	16.62		T	USGS	1
				08/18/2003	16.58		T	USGS	1
				08/25/2003	16.60		S	USGS	2
				09/02/2003	16.63		T	USGS	1
				09/08/2003	16.55		T	USGS	1

GROUND-WATER LEVELS
LAS VEGAS VALLEY--Continued

		Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet) Above Sea Level)	Water Level (Below Land Surface)					Reporting Agency	Accuracy
						Date	(Feet)	Status	Method			
212	S20 E62 19DC 1	361123115050601	300.	1797.	09/15/2003	16.52		T	USGS	1		
					09/22/2003	16.57		T	USGS	1		
212	S20 E62 21CAB 1	361131115031601	357	1782.	10/01/2002	45.76		S	NV003	2		
					10/08/2002	45.68		S	NV003	2		
					10/14/2002	45.75		S	NV003	2		
					10/21/2002	45.53		S	NV003	2		
					10/28/2002	45.10		S	NV003	2		
					11/04/2002	45.01		S	NV003	2		
					11/12/2002	44.88		S	NV003	2		
					11/20/2002	44.64		S	NV003	2		
					11/25/2002	44.35		S	NV003	2		
					12/02/2002	44.39		S	NV003	2		
					12/09/2002	44.00		S	NV003	2		
					12/16/2002	43.61		S	NV003	2		
					12/23/2002	43.44		S	NV003	2		
					12/30/2002	43.27		S	NV003	2		
					01/08/2003	43.26		S	NV003	2		
					01/14/2003	43.14		S	NV003	2		
					01/21/2003	43.04		S	NV003	2		
					01/28/2003	42.98		S	USGS	2		
					02/03/2003	43.01		S	USGS	2		
					02/10/2003	42.91		S	USGS	2		
					02/20/2003	42.57		S	USGS	2		
					03/03/2003	42.28		S	USGS	2		
					03/10/2003	42.25		S	USGS	2		
					03/19/2003	42.49		S	USGS	2		
					03/24/2003	42.18		S	USGS	2		
					04/03/2003	42.53		S	USGS	2		
					04/09/2003	42.26		S	USGS	2		
					04/16/2003	42.39		S	USGS	2		
					04/21/2003	42.21		S	USGS	2		
					04/29/2003	42.39		S	USGS	2		
					05/05/2003	42.52		S	USGS	2		
					05/13/2003	42.59		S	USGS	2		
05/19/2003	42.70		S	USGS	2							
05/27/2003	42.95		S	USGS	2							
06/07/2003	43.35		S	USGS	2							
06/23/2003	43.31		S	USGS	2							
06/30/2003	43.68		S	USGS	2							
07/08/2003	44.00		S	USGS	2							
07/14/2003	44.29		S	USGS	2							
07/21/2003	44.43		S	USGS	2							
07/28/2003	44.31		S	USGS	2							
08/04/2003	43.99		S	USGS	2							
08/11/2003	44.05		S	USGS	2							
08/18/2003	43.99		S	USGS	2							
08/25/2003	43.92		S	USGS	2							
09/02/2003	43.75		S	USGS	2							
09/08/2003	43.54		S	USGS	2							
09/15/2003	43.76		S	USGS	2							
212	S20 E62 26BBCC1	361100115011901	320.	1900.	10/07/2002	147.47	P	V	USGS	2		
					02/18/2003	116.33		V	USGS	2		
					04/14/2003	117.24		V	USGS	2		
					08/20/2003	116.38		V	USGS	2		
212	S20 E62 29DBCD1	361040115040601	37.	1770.	10/07/2002	22.55		S	USGS	2		
					02/18/2003	21.98		S	USGS	2		
					04/14/2003	21.72		S	USGS	2		
					08/20/2003	21.64		S	USGS	2		
212	S20 E62 34CABB1	360952115020701	100.	1740.	10/07/2002	21.31		S	USGS	2		
					02/18/2003	20.58		S	USGS	2		
					04/14/2003	20.37		S	USGS	2		
					08/20/2003	20.77		S	USGS	2		

GROUND-WATER LEVELS
LAS VEGAS VALLEY--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet) Above Sea Level)	Water Level (Below Land Surface)					
				Date	(Feet)	Status	Method	Reporting Agency	Accuracy
212 S21 E60 01DBB 1	360847115125301	190.	2261.	10/07/2002	86.40		S	USGS	2
				02/18/2003	83.76		S	USGS	2
				04/15/2003	86.54		S	USGS	2
				08/22/2003	88.33		S	USGS	2
212 S21 E60 16BDDb1	360712115155501	750.	2545.	10/07/2002	434.43		V	USGS	2
				02/18/2003	432.07		V	USGS	2
				04/15/2003	431.04		T	USGS	0
				08/22/2003	428.80		T	USGS	0
212 S21 E61 01DDbA1	360852115060901	25.	1825.	10/09/2002	7.72		S	USGS	2
				02/18/2003	7.37		S	USGS	2
				04/14/2003	6.98		S	USGS	2
				08/19/2003	7.61		S	USGS	2
212 S21 E61 03ABAB1	360930115083401	25.	2008.	10/09/2002	11.08		S	USGS	2
				02/19/2003	11.03		S	USGS	2
				04/14/2003	10.56		S	USGS	2
				08/19/2003	11.63		S	USGS	2
212 S21 E61 03ABB 2	360931115083802	807.	2014.	10/09/2002	30.10		S	USGS	2
				02/19/2003	25.14		S	USGS	2
				04/14/2003	22.21		S	USGS	2
				08/19/2003	31.22		S	USGS	2
212 S21 E61 14ACA 1	360728115072901	750.	1930.	10/08/2002	81.55		S	USGS	2
				02/20/2003	4.32		V	USGS	2
				04/15/2003	26.08		V	USGS	2
				08/21/2003	61.71		V	USGS	2
212 S21 E61 19BDCC1	360630115120401	37.	2210.	10/07/2002	18.98		S	USGS	2
				02/18/2003	19.52		S	USGS	2
				04/15/2003	19.53		S	USGS	2
				08/22/2003	18.99		S	USGS	2
212 S21 E61 22BAAC1	360648115084901	15.	2030.	10/08/2002	9.83		S	USGS	2
				02/20/2003	9.80		S	USGS	2
				04/16/2003	9.93		S	USGS	2
				08/21/2003	9.30		S	USGS	2
212 S21 E61 22CCC 1	360600115091001	500.	2072.	10/09/2002	37.95		S	USGS	2
				02/19/2003	28.55		V	USGS	2
				04/16/2003	27.99		V	USGS	2
212 S21 E61 24CAD 1	360617115063801	24.	1950.	10/08/2002	16.06		S	USGS	2
				02/18/2003	16.05		S	USGS	2
				04/14/2003	15.68		S	USGS	2
				08/21/2003	15.99		S	USGS	2
212 S21 E61 24CAD 2	360617115063802	30.	1958.	10/08/2002	16.10		S	USGS	2
				02/18/2003	15.88		S	USGS	2
				04/14/2003	15.48		S	USGS	2
				08/21/2003	15.72		S	USGS	2
212 S21 E61 26DDbB1	360522115072101	30.	2010.	10/08/2002	17.63		S	USGS	2
				02/18/2003	17.96		S	USGS	2
				04/14/2003	17.77		S	USGS	2
				08/21/2003	18.23		S	USGS	2
212 S21 E61 28CABB1	360528115094201	93.	2125.	10/01/2002	17.21		S	NV003	2
				10/08/2002	17.30		S	USGS	2
				10/08/2002	17.31		S	NV003	2
				10/14/2002	17.35		S	NV003	2
				10/21/2002	17.30		T	NV003	1
				10/28/2002	18.11		S	NV003	2
				11/04/2002	17.23		S	NV003	2
				11/12/2002	17.19		T	NV003	1
				11/20/2002	17.25		T	NV003	1
				11/25/2002	17.24		T	NV003	1
				12/02/2002	17.31		T	NV003	1
				12/09/2002	17.50		S	NV003	2
				12/16/2002	17.50		S	NV003	2
				12/30/2002	17.67		S	NV003	2
				01/08/2003	17.78		T	NV003	1

GROUND-WATER LEVELS
LAS VEGAS VALLEY--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)					
				Date	(Feet)	Status	Method	Reporting Agency	Accuracy
212 S21 E61 28CABB1	360528115094201	93.	2125.	01/14/2003	17.88		T	NV003	1
				01/21/2003	17.94		T	NV003	1
				01/28/2003	17.86		T	USGS	1
				02/03/2003	17.93		T	USGS	1
				02/10/2003	17.95		T	USGS	1
				02/19/2003	17.77		S	USGS	2
				02/20/2003	17.78		T	USGS	1
				03/03/2003	17.38		T	USGS	1
				03/10/2003	17.36		T	USGS	1
				03/19/2003	17.48		T	USGS	1
				03/24/2003	17.45		T	USGS	1
				04/03/2003	17.45		T	USGS	1
				04/09/2003	17.41		T	USGS	1
				04/15/2003	17.45		S	USGS	2
				04/16/2003	17.44		S	USGS	2
				04/21/2003	17.34		S	USGS	2
				04/29/2003	17.35		S	USGS	2
				05/05/2003	17.33		T	USGS	1
				05/13/2003	17.40		T	USGS	1
				05/19/2003	17.47		T	USGS	1
				05/27/2003	17.41		T	USGS	1
				06/17/2003	17.28		T	USGS	1
				06/23/2003	17.06		S	USGS	2
				06/30/2003	16.86		T	USGS	1
				07/08/2003	16.78		T	USGS	1
				07/14/2003	16.69		T	USGS	1
				07/21/2003	16.67		T	USGS	1
				07/28/2003	16.41		T	USGS	1
				08/04/2003	16.28		T	USGS	1
				08/11/2003	16.45		T	USGS	1
				08/18/2003	16.42		T	USGS	1
				08/21/2003	16.48		S	USGS	2
				08/25/2003	16.43		S	USGS	2
				09/02/2003	15.92		T	USGS	1
				09/22/2003	16.41		T	USGS	1
212 S21 E62 08DBDA2	360733115034402	200.	1731.	10/07/2002	13.75		S	USGS	2
				02/20/2003	13.01		S	USGS	2
				04/14/2003	14.58		S	USGS	2
212 S21 E62 09ADAD1	360821115025001	49.	1708.	10/07/2002	17.22		S	USGS	2
				02/18/2003	16.27		S	USGS	2
				04/14/2003	16.46		S	USGS	2
212 S21 E62 10ACAA1	360826115020001	715.	1705.	08/20/2003	14.98		S	USGS	2
				10/07/2002	20.90		S	USGS	2
				02/18/2003	21.21		S	USGS	2
212 S21 E62 17DAB 1	360744115050801	11.	1730.	04/14/2003	21.38		S	USGS	2
				08/20/2003	20.95		S	USGS	2
				10/07/2002		D		USGS	
212 S21 E62 20DDD 1	360601115034401	500.	1720.	02/18/2003	10.58		S	USGS	2
				04/14/2003	9.58		S	USGS	2
				08/20/2003	11.20		S	USGS	2
212 S21 E62 20DDD 1	360601115034401	500.	1720.	10/08/2002	-67.5		G	USGS	0
				02/18/2003	-65.5		G	USGS	0
				04/15/2003	-69.5		G	USGS	0
212 S21 E63 30AAAA1	360832115060201	80.	1590.	08/21/2003	-67.0		G	USGS	1
				10/07/2002	22.11		S	USGS	2
				02/18/2003	23.04		S	USGS	2
212 S22 E60 20CACA1	360047115171401	710.	2810.	04/14/2003	23.00		S	USGS	2
				08/20/2003	22.68		S	USGS	2
				10/07/2002	473.40		V	USGS	2
212 S22 E60 20CACA1	360047115171401	710.	2810.	02/18/2003	473.17		V	USGS	2
				04/17/2003	472.85		T	USGS	1
				08/22/2003	473.66		T	USGS	1

GROUND-WATER LEVELS

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LAS VEGAS VALLEY--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet) Above Sea Level)	Water Level (Below Land Surface)					
				Date	(Feet)	Status	Method	Reporting Agency	Accuracy
212 S22 E61 03ADBC2	360401115082301	60.	2086.	10/09/2002	30.13		S	USGS	2
				02/19/2003	30.70		S	USGS	2
				04/15/2003	30.65		S	USGS	2
				08/21/2003	29.67		S	USGS	2
212 S22 E61 04BCB 1	360349115100001	355.	2219.	10/01/2002	153.00		T	NV003	1
				10/08/2002	152.97		T	NV003	1
				10/09/2002	152.93		S	USGS	2
				10/14/2002	152.89		T	NV003	1
				10/21/2002	152.68		T	NV003	1
				10/28/2002	152.72		S	NV003	2
				11/04/2002	152.63		S	NV003	2
				11/12/2002	152.66		T	NV003	1
				11/20/2002	152.49		T	NV003	1
				11/20/2002	152.40		S	USGS	2
				11/25/2002	152.16		T	NV003	1
				12/02/2002	151.98		T	NV003	1
				12/09/2002	151.95		S	NV003	2
				12/16/2002	151.19		S	NV003	2
				12/23/2002	151.59		T	NV003	1
				12/30/2002	153.52		S	NV003	2
				01/08/2003	151.51		T	NV003	1
				01/14/2003	151.46		T	NV003	1
				01/21/2003	151.33		T	NV003	1
				01/28/2003	151.21		T	USGS	1
				02/03/2003	151.25		T	USGS	1
				02/10/2003	151.21		T	USGS	1
				02/19/2003	150.96		S	USGS	2
				02/20/2003	150.93		T	USGS	1
				03/03/2003	150.80		T	USGS	1
				03/10/2003	150.85		T	USGS	1
				03/19/2003	150.76		T	USGS	1
				03/24/2003	150.72		T	USGS	1
				04/03/2003	150.70		T	USGS	1
				04/09/2003	150.79		T	USGS	1
				04/16/2003	151.48		S	USGS	2
				04/17/2003	150.55		S	USGS	2
				04/21/2003	150.51		S	USGS	2
				04/29/2003	153.40		S	USGS	2
				05/05/2003	150.54		T	USGS	1
				05/13/2003	150.59		T	USGS	1
				05/19/2003	150.69		T	USGS	1
				05/27/2003	150.74		T	USGS	1
				06/17/2003	150.83		T	USGS	1
				06/23/2003	150.68		S	USGS	2
				06/27/2003	151.03		S	USGS	2
				06/30/2003	150.99		T	USGS	1
				07/08/2003	151.05		T	USGS	1
				07/14/2003	151.19		T	USGS	1
				07/21/2003	151.30		T	USGS	1
				07/28/2003	151.24		T	USGS	1
				08/04/2003	151.13		T	USGS	1
				08/11/2003	151.20		T	USGS	1
				08/13/2003	151.22		S	USGS	2
				08/18/2003	151.11		T	USGS	1
				08/25/2003	152.05		S	USGS	2
				09/02/2003	151.14		T	USGS	1
				09/08/2003	150.97		T	USGS	1
				09/15/2003	151.13		T	USGS	1
				09/22/2003	151.07		T	USGS	1

GROUND-WATER LEVELS
LAS VEGAS VALLEY--Continued

Local Well No	Site Identification	Well Depth (Feet)	Elevation (Feet Above Sea Level)	Water Level (Below Land Surface)					
				Date	(Feet)	Status	Method	Reporting Agency	Accuracy
212 S22 E61 12AAAD1	360321115060001	500.	2020.	10/09/2002	21.14		S	USGS	2
				02/19/2003	8.90		S	USGS	2
				04/15/2003	11.77		S	USGS	2
				08/20/2003	21.22		S	USGS	2
212 S22 E61 16AABB1	360231115092401	145.	2195.	01/03/2003	113.64		S	USGS	2
				02/19/2003	113.47		V	USGS	2
				04/15/2003	112.86		S	USGS	2
				08/20/2003	112.76		V	USGS	2
212 S22 E61 20BAD 1	360112115104301	210.	2287.	10/08/2002	203.14		V	USGS	2
				02/19/2003	200.57		V	USGS	2
				04/15/2003	200.34		V	USGS	2
				08/20/2003	202.21		V	USGS	2
212 S22 E61 28CDAA1	360007115094801	300.	2265.	10/15/2002	147.52		V	USGS	2
				02/19/2003	144.72		V	USGS	2
				04/17/2003	144.20		V	USGS	2
212 S22 E61 29DCDB1	360002115103801	300.	2275.	10/08/2002	138.55		S	USGS	2
				02/19/2003	137.08		S	USGS	2
				04/16/2003	136.83		S	USGS	2
				08/20/2003	137.29		S	USGS	2
212 S22 E62 15BBCB1	360222115024301	84.	1894.	12/17/2002	66.66		S	USGS	2
				02/20/2003	65.02		S	USGS	2
				04/17/2003	64.08		S	USGS	2
				08/20/2003	64.13		S	USGS	2
212 S23 E61 03BCC 1	361136115101401	650.	2375.	10/08/2002	223.22		S	USGS	2
				02/19/2003	223.14		S	USGS	2
				04/16/2003	223.34		S	USGS	2
				08/20/2003	223.59		S	USGS	2

GROUND-WATER LEVELS, PRIMARY OBSERVATION WELLS

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PAHRUMP VALLEY

360836115531701. Local number, 162 S21 E54 10AAC1.

LOCATION.--Lat 36°08'36", long 115°53'17", Hydrologic Unit 16060015, in Clark County.

AQUIFER.--Alluvium of Quaternary age.

INSTRUMENTATION.--Noon daily graphic recorder.

DATUM.--Elevation of land-surface datum is 2,885 ft above NGVD of 1929, from topographic map. Measuring point: Edge of recorder shelf, 1.2 ft above land-surface datum.

REMARKS.--Measurements supplied by Office of the Nevada State Engineer.

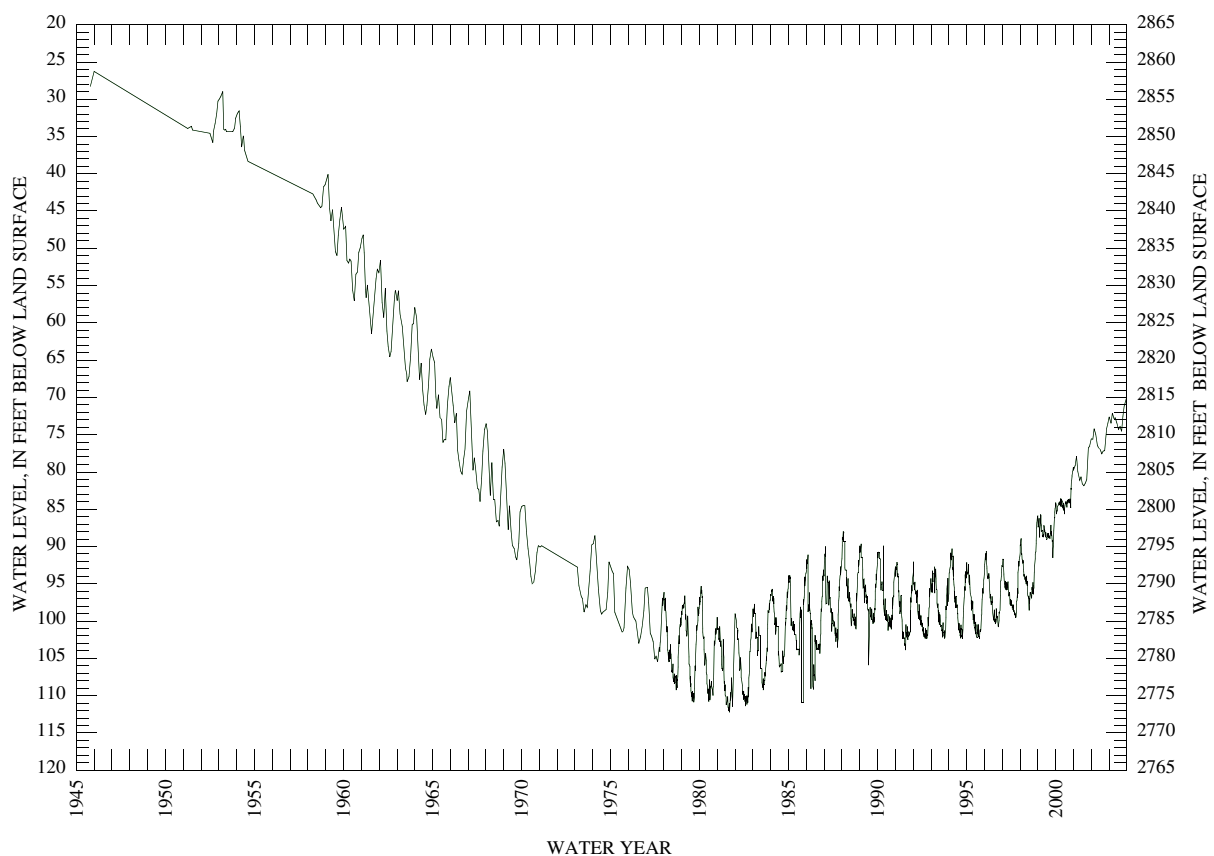
PERIOD OF RECORD.--1944, 1950 through 1970, monthly or intermittent; 1972, 1973, 1975, yearly (unpublished and available in the files of the U.S. Geological Survey); February to August, 1976, monthly; October 1976 to December 1999, weekly; January 2000 to current year, monthly.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.29 ft below land-surface datum, January 5, 1945; lowest measured, 112.25 ft below land-surface datum, September 5, 1980.

WATER-LEVEL METHOD: T, electric tape.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

WATER LEVEL MS		WATER LEVEL MS		WATER LEVEL MS		WATER LEVEL MS		WATER LEVEL MS		WATER LEVEL MS	
OCT 18	72.52 T	JAN 02	69.95 T	MAR 11	69.62 T	MAY 19	70.40 T	JUL 22	71.90 T	SEP 23	72.78 T
NOV 14	71.15 T	FEB 10	69.82 T	APR 03	69.42 T	JUN 19	71.22 T	AUG 12	72.12 T		
WATER YEAR 2003		HIGHEST	69.42	APR 03	LOWEST	72.78	SEP 23				



GROUND-WATER LEVELS, PRIMARY OBSERVATION WELLS

UPPER MOAPA VALLEY

364650114432001. Local number, 219 S13 E65 28BDAC1

LOCATION.--Lat 36°46'50", long 114°43'20", Hydrologic Unit 15010012, in Clark County

Owner: U.S. Geological Survey.

AQUIFER.-- Carbonate of Paleozoic age.

INSTRUMENTATION.-- Water-level recorder November 2000 to current year.

DATUM.-- Elevation of land-surface datum is 2,185.9 feet above NGVD of 1929, from topographic map. Measuring point is the top lip of the casing 1.3 feet above land-surface.

REMARKS.-- Missing days due to equipment malfunction.

PERIOD OF RECORD.-- February 1985 to October 2000, intermittent; November 2000 to current year, 4 times per hour.

EXTREMES FOR PERIOD OF RECORD.-- Highest water level recorded, 390.21 ft below land surface datum, December 30, 1985; lowest recorded, 394.44 ft below land surface datum, September 11, 2003.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	393.82	393.88	393.69	393.65	393.26	393.41	393.17	393.43	393.56	393.83	394.16	394.21
2	393.91	393.89	393.62	393.62	393.40	393.47	393.25	393.35	393.53	393.84	394.14	394.26
3	393.95	393.83	393.68	393.57	393.53	393.32	393.38	393.34	393.56	393.85	394.12	394.22
4	393.93	393.82	393.73	393.56	393.40	393.28	393.30	393.41	393.56	393.84	394.13	394.26
5	393.91	393.91	393.69	393.52	393.44	393.42	393.36	393.40	393.64	393.83	394.13	394.26
6	393.94	393.85	393.62	393.60	393.49	393.40	393.41	393.35	393.62	393.80	394.15	394.23
7	393.87	393.74	393.63	393.56	393.46	393.36	393.51	393.37	393.59	---	394.17	394.17
8	393.82	393.63	393.72	393.48	393.40	393.44	393.46	393.37	393.60	---	394.17	394.14
9	393.86	393.68	393.68	393.48	393.50	393.42	393.34	393.46	393.62	---	394.20	394.17
10	393.84	393.83	393.59	393.50	393.49	393.34	393.31	393.52	393.68	---	394.19	394.30
11	393.88	393.95	393.63	393.55	393.48	393.30	393.34	393.48	393.67	---	394.15	394.35
12	394.00	393.90	393.67	393.61	393.45	393.35	393.33	393.45	393.67	---	394.16	394.20
13	393.92	393.73	393.63	393.57	393.38	393.36	393.36	393.45	393.73	---	394.20	394.26
14	393.86	393.80	393.63	393.48	393.43	393.28	393.30	393.38	393.74	---	394.22	394.29
15	393.81	393.86	393.58	393.56	393.53	393.25	393.41	393.43	393.71	394.04	394.26	394.21
16	393.78	393.81	393.46	393.56	393.47	393.25	393.41	393.48	393.72	394.08	394.24	394.14
17	393.83	393.71	393.47	393.49	393.46	393.28	393.28	393.43	393.72	394.09	394.14	394.23
18	393.88	393.86	393.69	393.49	393.44	393.36	393.35	393.45	393.68	394.08	394.12	394.35
19	393.90	393.82	393.74	393.50	393.38	393.40	393.45	393.58	393.67	394.11	394.19	---
20	393.85	393.79	393.59	393.46	393.38	393.37	393.36	393.52	393.70	394.08	394.23	394.23
21	393.83	393.72	393.62	393.48	393.45	393.41	393.23	393.49	393.73	394.05	394.20	394.27
22	393.85	393.67	393.54	393.55	393.35	393.38	393.29	393.48	393.72	394.07	394.17	394.26
23	393.88	393.63	393.55	393.47	393.37	393.27	393.39	393.47	393.67	394.09	394.19	394.24
24	393.85	393.70	393.67	393.45	393.35	393.32	393.36	393.43	393.86	394.07	394.24	394.28
25	393.80	393.76	393.65	393.51	393.35	393.45	393.32	393.47	393.93	394.12	394.19	394.29
26	393.82	393.77	393.69	393.53	393.39	393.28	393.35	393.57	393.86	394.15	394.20	394.26
27	393.89	393.75	393.67	393.40	393.38	393.36	393.35	393.59	393.77	394.11	394.22	394.25
28	393.82	393.75	393.46	393.43	393.42	393.51	393.36	393.55	393.76	394.10	394.21	394.28
29	393.77	393.65	393.44	393.51	---	393.53	393.37	393.53	393.79	394.13	394.19	394.26
30	393.83	393.70	393.65	393.49	---	393.42	393.41	393.53	393.83	394.16	394.23	394.31
31	393.82	---	393.52	393.45	---	393.26	---	393.57	---	394.17	394.20	---
MAX	394.00	393.95	393.74	393.65	393.53	393.53	393.51	393.59	393.93	---	394.26	---
MIN	393.77	393.63	393.44	393.40	393.26	393.25	393.17	393.34	393.53	---	394.12	---

GROUND-WATER LEVELS

NEVADA TEST SITE AND ADJACENT AREAS MONITORING PROJECT

Periodic water-level measurements are made in areas adjacent to the Nevada Test Site to aid in characterizing the local and regional ground-water flow systems. The measurements are made in cooperation with the U.S. Department of Energy as part of their Environmental Restoration Program. The following data have been collected and reviewed according to quality-assurance requirements specific to the Nevada Test Site. Data are listed by Nevada hydrographic area and then by descending latitude/longitude. The measurement sites are shown in figures 30 and 37.

Site Identification--U.S. Geological Survey site designation.

Land Surface Elevation--Datum is sea level. Value may not represent current elevation.

Well Depth--Datum is land surface. Represents most recent available accessible depth.

Depth of Open Interval (feet below land surface datum)--Top, depth to top of shallowest open interval; bottom, depth to bottom of deepest open interval.

Depth to Water--Datum is land surface. Levels above land surface-datum are listed as negative values. Values not representing static water level are noted in "Status" column.

Status--P, site was being pumped; no site status, the reported water-level measurement represents a static level.

Method--A, airline; S, steel tape; V, calibrated electric tape; Z, other.

Accuracy--0, water level accurate to the nearest foot; 1, water level accurate to the nearest tenth of a foot; 2, water level accurate to the nearest one-hundredth of a foot.

Name	Site Identification	Latitude	Longitude	Date Hole Completed	Land Surface Elevation (Feet above Sea Level)	Well Depth (feet)	Depth of Open Interval		Number of Openings	Water-Level Measurement				
							Top (feet)	Bottom (feet)		Date	Depth to Water (feet)	Status	Method	Accuracy
RALSTON VALLEY (141)														
Ralston Valley Well	375533116580601	37°55'33"	116°58'06"		5219.					12/03/2002	232.13	V	2	
										07/01/2003	232.13	V	2	
LIDA VALLEY (144)														
Ralston Well	373320117090601	37°33'20"	117°09'05"		4756.	409				12/04/2002	308.11	V	1	
										07/02/2003	308.04	V	1	
STONE WALL FLAT (145)														
Hammel Mine Well	373228116472001	37°32'28"	116°47'20"		5540.	123.				12/03/2002	118.67	V	2	
										06/30/2003	118.57	V	2	
SARCOBATUS FLAT (146)														
BLM Springdale	370648116473001	37°06'49"	116°47'32"		4035.	117.				11/07/2002	93.55	S	2	
										03/17/2003	93.54	S	2	
										05/19/2003	93.54	S	2	
										09/03/2003	93.54	S	2	
										11/07/2002	57.56	V	2	
NDOT TPJ-2	370753116502701	37°07'53"	116°50'27"		4005.					05/19/2003	57.53	V	2	
										09/03/2003	57.58	V	2	
										11/07/2002	42.82	V	2	
USBLM TPJ-1	370840116510101	37°08'42"	116°51'01"	--/--/52	3991.	107.				05/19/2003	42.85	V	2	
										09/03/2003	42.82	V	2	
										11/07/2002	48.67	V	2	
BC- 1	371309117074901	37°13'09"	117°07'49"	04/04/02	4002.	410.	338.5	410.	1	03/17/2003	48.70	V	2	
										05/19/2003	48.67	V	2	
										09/03/2003	48.62	V	2	
										05/19/2003	47.51	V	2	
										09/03/2003	47.13	V	2	
BC- 2	371309117074902	37°13'09"	117°07'49"	02/27/03	4001.	103.	63.	103.	1	11/07/2002	54.55	V	2	
										03/17/2003	54.56	V	2	
										05/19/2003	54.60	V	2	
SF- 1	371615117053601	37°16'15"	117°05'36"	04/19/02	4021.	879.	839.	879.	1	09/03/2003	54.55	V	2	
										11/07/2002	54.42	V	2	
										03/17/2003	54.38	V	2	
										05/19/2003	54.42	V	2	
										09/03/2003	54.39	V	2	
GOLD FLAT (147)														
Gold Flat 2a	372543116363502	37°25'43"	116°36'35"		5230.					12/03/2002	233.52	V	2	
										06/30/2003	233.54	V	2	
TTR Sulfide Mine	373446116433301	37°34'46"	116°43'33"		6130.					12/03/2002	51.67	V	2	
										06/30/2003	51.83	V	2	

GROUND-WATER LEVELS

NEVADA TEST SITE AND ADJACENT AREAS MONITORING PROJECT--Continued

Name	Site Identification	Latitude	Longitude	Date Hole Completed	Land Surface Elevation (Feet above Sea Level)	Well Depth (feet)	Depth of Open Interval		Number of Openings	Water-Level Measurement				
							Top (feet)	Bottom (feet)		Date	Depth to Water (feet)	Status	Method	Accuracy
CACTUS FLAT (148)														
TTR Antelope Mine 1	373622116434601	37°36'20"	116°43'45"		6350.					12/03/2002	18.06		V	2
										06/30/2003	18.81		V	2
TTR Antelope Mine 2	373622116434701	37°36'22"	116°43'46"		6356.					12/03/2002	22.16		V	2
										06/30/2003	23.02		V	2
TTR Antelope Mine 3	373623116434701	37°36'22"	116°43'47"		6362.					12/03/2002	29.44		V	2
										06/30/2003	30.31		V	2
TTR EH-4	374619116435401	37°46'16"	116°43'59"	11/03/83	5458.	490.	150.	490.	1	12/04/2002	315.67		V	1
										06/30/2003	315.59		V	1
TTR EH-2 WW	374658116464102	37°46'58"	116°46'41"		5595.	580.				06/30/2003	464.20		V	1
TTR Sandia 2	374725116452701	37°47'25"	116°45'27"	09//1956	5477.6	525.	325.	485.	1	12/03/2002	347.24		V	1
										07/01/2003	347.27		V	1
TTR Sandia 4	374739116453401	37°47'39"	116°45'34"	07/02/59	5468.2	580.	351.	466.	1	12/03/2002	337.76		V	1
										07/01/2003	337.72		V	1
TTR Sandia 5	374959116431301	37°49'59"	116°43'13"		5333.9	300.				07/01/2003	156.88		V	2
STONE CABIN VALLEY (149)														
TTR 3A WW	375045116460201	37°50'46"	116°46'03"	03/04/80	5362.	805.	537.	805.	1	12/03/2002	198.87	P	V	2
										07/01/2003	217.49		V	2
TTR 3B WW	375054116460201	37°50'54"	116°46'02"	01/11/85	5360.	300.	145.	284.	1	12/03/2002	115.50		A	0
										07/01/2003	115.50		A	0
TTR 3BB	375055116460201	37°50'55"	116°46'02"		5358.					12/03/2002	110.01		V	2
										07/01/2003	109.51		V	2
TTR EH-6	375139116460001	37°51'40"	116°45'59"	11/17/83	5355.	535.	0.	310.	1	12/03/2002	98.33		V	2
										07/01/2003	98.32		V	2
TTR EH-7 WW	375310116472302	37°53'11"	116°47'25"	09/01/89	5343.	660.	304.	650.	1	12/03/2002	108.10		A	0
										07/01/2003	108.10		A	0
TTR Reeds Ranch Well	375453116450501	37°54'54"	116°45'06"		5384.	127.				07/01/2003	101.55		V	2
HOT CREEK VALLEY (156)														
HTH- 1	383734116124501	38°37'35"	116°12'45"	07/23/67	6010.8	3695.	150.	3665.	16	12/04/2002	536.20		V	1
										07/01/2003	536.19		V	1
UC- 1-P-2SR	383806116125951	38°38'06"	116°12'54"	04/06/68	6084.	2734.	1148.	2790.	2	12/04/2002	562.89		V	1
										07/01/2003	556.46		V	1
INDIAN SPRINGS VALLEY (161)														
Amy 3	363238115464601	36°32'38"	115°46'46"	11/20/58	3617.	826.	310.	826	2	11/04/2002	285.39		V	2
										05/27/2003	285.33		V	2
Amy 2	363255115515801	36°32'55"	115°51'58"	09/03/58	3799.	627.	92.	658.	1	11/04/2002	496.33		V	1
										05/27/2003	496.53		V	1
Cactus Springs 3	363422115433701	36°34'22"	115°43'37"		3265.	100.	83.	100.	1	11/04/2002	33.87		V	2
										08/14/2003	33.94		V	2
USAF Well 106-2	363447115404601	36°34'47"	115°40'50"	06/16/83	3085.	604.	133.	418.	1	11/06/2002	62.63		V	2
										06/18/2003	61.18		V	2
USAF Well 3	363452115405101	36°34'49"	115°40'53"	01/11/85	3130.	600.	210.	600.	4	11/06/2002	65.57		V	2
										06/18/2003	64.17		V	2
USAF MW-22	363508115391701	36°35'08"	115°39'17"	04/06/88	3100.4	65.	35.	65.	1	11/06/2002	40.14		V	2
										06/18/2003	39.37		V	2
USAF MW-21	363529115391301	36°35'29"	115°39'13"	04/07/88	3094.5	75.	45.	75.	1	11/06/2002	42.69		V	2
										06/18/2003	42.54		V	2
USAF MW-20	363529115392101	36°35'29"	115°39'21"	04/07/88	3092.8	65.	35.	65.	1	11/06/2002	40.94		V	2
										06/18/2003	40.62		V	2
PAHRUMP VALLEY (162)														
BLM Stewart Valley Well	361515116100901	36°15'15"	116°10'09"	10/27/97	2469.	69.				09/11/2003	36.12		S	2
TIKAPOO VALLEY--SOUTHERN PART (169B)														
USGS DDL-2	365502115134101	36°55'02"	115°13'41"	01/21/89	3300.	460.	13.	460.	1	10/25/2002	212.49		V	2
										11/06/2002	212.54		V	2
										05/29/2003	212.50		V	2

GROUND-WATER LEVELS

NEVADA TEST SITE AND ADJACENT AREAS MONITORING PROJECT--Continued

Name	Site Identification	Latitude	Longitude	Date Hole Completed	Land Surface Elevation (Feet above Sea Level)	Well Depth (feet)	Depth of Open Interval		Number of Open -ings	Water-Level Measurement				
							Top (feet)	Bottom (feet)		Date	Depth to Water (feet)	Status	Method	Accuracy
THREE LAKES VALLEY--SOUTHERN PART (211)														
USAF Well 2278-1	363205115335601	36°32'06"	115°33'57"	01/01/73	3200.	353.	240.	353.	3	11/06/2002	115.86	V	2	
										03/12/2003	115.81	V	2	
										06/18/2003	115.70	V	2	
LAS VEGAS VALLEY (212)														
USAF Well 2372-1	362830115270501	36°28'30"	115°26'57"		3180.	300.				11/06/2002	211.84	V	2	
										04/17/2003	213.05	S	2	
										06/18/2003	211.63	V	2	
										08/21/2003	211.97	S	2	
USFWS SBH-1	363212115240301	36°32'12"	115°24'03"	02/24/87	3475.	720.	665.	695.	1	11/06/2002	578.38	V	1	
										03/11/2003	578.13	V	1	
										05/29/2003	578.14	V	1	
										09/11/2003	578.06	V	1	
USFWS DR-1	363332115244001	36°33'28"	115°24'38"	01/05/89	3579.	930.	870.	930.	1	11/06/2002	815.26	V	1	
										05/29/2003	815.28	V	1	
USGS - Cow Camp	363407115215301	36°34'07"	115°21'53"		4175.	1403.				11/06/2002	1333.49	V	1	
										03/11/2003	1333.13	V	1	
										05/29/2003	1333.26	V	1	
										09/11/2003	1333.28	V	1	
MERCURY VALLEY (225)														
Army 6A	363437116010801	36°34'37"	116°01'08"	--/--/55	3445.	1253.	1157.	1228.	1	11/04/2002	1033.27	V	1	
										05/27/2003	1033.31	V	1	
OASIS VALLEY (228)														
Beatty Wash Terrace Well	365640116431501	36°56'40"	116°43'15"	10/13/84	3460.	39.	55.	75.	1	11/18/2002	21.18	V	2	
										03/17/2003	18.88	V	2	
										05/19/2003	18.55	V	2	
										09/04/2003	20.92	V	2	
ER-OV-04a	365705116424201	36°57'05"	116°42'42"	10/01/97	3491.4	151.	111.	131.	1	11/18/2002	24.29	V	2	
										03/17/2003	23.43	V	2	
										05/21/2003	23.63	V	2	
										09/03/2003	24.48	V	2	
ER-EC-7	365910116284401	36°59'06"	116°28'40"	08/06/99	4805.	1304.	890.	1386.	4	11/18/2002	747.55	V	1	
										03/19/2003	747.50	V	1	
										05/22/2003	747.41	V	1	
										09/04/2003	747.43	V	1	
ER-OV-03c	365948116360401	36°59'48"	116°36'04"	09/18/97	4191.5	542.	512.	532.	1	11/18/2002	214.27	V	2	
										03/19/2003	214.25	V	2	
										05/22/2003	214.15	V	2	
										09/03/2003	214.10	V	2	
ER-OV-03c2	365948116360402	36°59'48"	116°36'04"	09/26/97	4191.9	321.	292.	312.	1	11/18/2002	214.60	V	2	
										03/19/2003	214.56	V	2	
										05/22/2003	214.48	V	2	
										09/03/2003	214.45	V	2	
ER-OV-03a	365956116421601	36°59'56"	116°42'16"	08/22/97	3844.4	251.	220.	240.	1	11/21/2002	57.66	V	2	
										03/19/2003	57.52	V	2	
										05/21/2003	57.36	V	2	
										09/03/2003	57.48	V	2	
ER-OV-03a2	365956116421602	36°59'56"	116°42'16"	09/12/97	3843.8	642.	602.	622.	1	11/21/2002	160.36	V	2	
										03/19/2003	159.98	V	2	
										05/21/2003	159.99	V	2	
										09/03/2003	160.34	V	2	
ER-OV-03a3	365956116421603	36°59'56"	116°42'16"	09/12/97	3843.8	133.	113.	133.	1	11/21/2002	57.45	V	2	
										03/19/2003	57.30	V	2	
										05/21/2003	57.16	V	2	
										09/03/2003	57.27	V	2	
Springdale Upper Well	370131116440801	37°01'31"	116°44'08"		3775.	91.				11/18/2002	24.54	V	2	
										03/18/2003	23.91	V	2	
										05/20/2003	23.87	V	2	
										09/03/2003	24.50	V	2	

GROUND-WATER LEVELS

NEVADA TEST SITE AND ADJACENT AREAS MONITORING PROJECT--Continued

NEVADA TEST SITE AND ADJACENT AREAS MONITORING PROJECT--Continued													
Name	Site Identification	Latitude	Longitude	Date Hole Completed	Land Surface Elevation (Feet above Sea Level)	Well Depth (feet)	Depth of Open Interval		Number of Openings	Date	Water-Level Measurement		
							Top (feet)	Bottom (feet)			Depth to Water (feet)	Status Method	Accuracy
OASIS VALLEY (228)--Continued													
ER-OV-03b	370139116390501	37°01'39"	116°39'05"	08/29/97	4232.7	395.	353.	373.	1	11/19/2002	346.61	V	1
										03/18/2003	346.26	V	1
										05/21/2003	346.42	V	1
										09/03/2003	346.23	V	1
ER-OV-02	370210116421501	37°02'10"	116°42'15"	08/20/97	3880.3	200.	170.	190.	1	11/18/2002	28.65	V	2
										03/19/2003	28.34	V	2
										05/21/2003	28.27	V	2
										09/03/2003	28.62	V	2
ER-OV-05	370246116461901	37°02'46"	116°46'19"	08/02/97	3937.8	200.	170.	190.	1	11/18/2002	32.06	V	2
										03/17/2003	31.97	V	2
										05/19/2003	31.96	V	2
										09/03/2003	32.06	V	2
ER-OV-01	370504116404901	37°05'04"	116°40'49"	08/04/97	4072.8	180.	150.	170.	1	11/20/2002	18.23	V	2
										03/18/2003	18.10	V	2
										05/20/2003	18.14	V	2
										09/04/2003	18.15	V	2
ER-OV-06a	370504116404902	37°05'04"	116°40'49"	08/09/97	4073.0	536.	506.	526.	1	11/20/2002	15.22	V	2
										03/18/2003	15.12	V	2
										05/20/2003	15.14	V	2
										09/04/2003	15.09	V	2
ER-OV-06a2	370504116404903	37°05'04"	116°40'49"	08/11/97	4072.6	65.	56.	65.	1	11/20/2002	18.71	V	2
										03/18/2003	18.62	V	2
										05/20/2003	18.63	V	2
										09/04/2003	18.65	V	2
ER-EC-5	370504116335201	37°05'04"	116°33'52"	07/11/99	5077.	2447.	1169.	2500.	6	11/19/2002	1016.81	V	1
										03/18/2003	1016.56	V	1
										05/22/2003	1016.65	V	1
										09/04/2003	1016.62	V	1
ER-EC-8	370610116375301	37°06'10"	116°37'53"	07/26/99	4333.	1948.	632.	2000.	6	11/20/2002	322.62	V	1
										03/18/2003	322.50	V	1
										05/20/2003	322.54	V	1
										09/08/2003	322.38	V	1
ER-EC-2A (1635-2236 ft)	370852116340502	37°08'42"	116°34'03"	08/11/00	4902.	2450.	1635.	2236.	2	11/20/2002	754.62	V	1
										03/18/2003	754.52	V	1
										05/20/2003	754.56	V	1
										09/08/2003	754.45	V	1
ER-EC-4 (952-2295 ft)	370935116375302	37°09'32"	116°37'52"	08/25/00	4759.6	2365.	952.	2295.	4	11/07/2002	748.68	V	1
										03/17/2003	748.47	V	1
										05/20/2003	748.91	V	1
										09/11/2003	749.00	V	1
ER-EC-6 (1581-3820 ft)	371120116294802	37°11'20"	116°29'48"	03/22/00	5604.	4302.	1581.	3820.	6	12/05/2002	1425.76	V	1
										03/24/2003	1425.71	V	1
										06/03/2003	1425.75	V	1
										09/16/2003	1425.64	V	1
ER-EC-1	371223116314701	37°12'23"	116°31'47"	04/20/99	6026.	4791.	2258.	4791.	6	02/04/2003	1855.58	V	1
										03/24/2003	1855.66	V	1
										07/09/2003	1855.79	V	1
										09/16/2003	1855.53	V	1
PM- 3-1 (1919 - 2144 ft)	371421116333703	37°14'21"	116°33'37"	02/05/92	5822.8	2145.	1872.	2192.	2	02/04/2003	1457.27	V	1
										06/03/2003	1457.51	V	1
										09/22/2003	1457.55	V	1
PM- 3-2 (1442 - 1667 ft)	371421116333704	37°14'21"	116°33'37"	02/10/92	5822.8	1667.	1379.	1687.	3	02/04/2003	1455.33	V	1
										06/03/2003	1455.55	V	1
										09/22/2003	1455.57	V	1

NEVADA TEST SITE AND ADJACENT AREAS MONITORING PROJECT--Continued

Name	Site Identification	Latitude	Longitude	Date Hole Completed	Land Surface Elevation (Feet above Sea Level)	Well Depth (feet)	Depth of Open Interval		Number of Openings	Water-Level Measurement				
							Top (feet)	Bottom (feet)		Date	Depth to Water (feet)	Status Method	Accuracy	
AMARGOSA DESERT (230)														
Spring Meadows9	362425116181001	36°24'34"	116°18'11"	09/26/69	2248.	280.	82.	280.	1	11/13/2002	20.25	S	2	
										05/28/2003	19.33	S	2	
Spring Meadows 11	362521116160801	36°25'21"	116°16'08"	01/01/68	2442.	215.				11/13/2002	93.60	V	2	
										05/28/2003	93.55	V	2	
Amargosa Flat Playa Well	362936116153001	36°29'36"	116°15'30"	02/13/95	2322.	14.5	9.1	14.1	1	11/12/2002	5.10	V	2	
										03/13/2003	4.12	V	2	
										05/28/2003	4.29	V	2	
										09/08/2003	5.48	V	2	
MSH-C Deep Well	363008116161201	36°30'08"	116°16'12"	11/23/94	2330.	1669.	1519.1	1636.38	1	11/12/2002	-3.09	S	2	
										03/13/2003	-3.10	S	2	
										05/28/2003	-3.10	S	2	
										09/08/2003	-3.05	S	2	
MSH-C Shallow Well	363008116161202	36°30'08"	116°16'12"	11/23/94	2330.	347.	281.	314.	1	11/12/2002	-3.04	Z	2	
										03/13/2003	-3.19	Z	2	
										05/28/2003	-3.17	Z	2	
										09/08/2003	-3.11	Z	2	
LWS-A Deep Well	363317116270801	36°33'17"	116°27'08"	12/02/94	2396.	1859.	1706.	1827.	1	11/12/2002	123.07	V	2	
										03/13/2003	122.80	V	2	
										05/28/2003	122.96	V	2	
										09/08/2003	123.09	V	2	
LWS-A Shallow Well	363317116270802	36°33'17"	116°27'08"	12/02/94	2396.	312.	212.	278.	1	11/12/2002	149.64	V	2	
										03/13/2003	149.82	V	2	
										05/28/2003	149.95	V	2	
										09/08/2003	150.18	V	2	
Ash-B Deep Well	364329116402901	36°43'32"	116°40'30"	12/16/94	2677.	1214.	1062.	1185.	1	11/07/2002	313.65	V	1	
										05/21/2003	314.02	V	1	
Ash-B Shallow Well	364329116402902	36°43'32"	116°40'30"	12/16/94	2677.	457.	362.	428.	1	11/07/2002	314.10	V	1	
										05/21/2003	314.27	V	1	
Narrows South Well 2	365253116450801	36°52'53"	116°45'08"	10/16/71	3180.	120.	20.	120.	2	11/19/2002	18.98	V	2	
										03/17/2003	18.13	V	2	
										05/21/2003	18.58	V	2	
										09/04/2003	19.32	V	2	

GROUND-WATER LEVELS

NEVADA TEST SITE AND ADJACENT AREAS MONITORING PROJECT

Periodic water-level measurements are made throughout the Nevada Test Site to aid in characterizing the local ground-water flow system. The measurements are made in cooperation with the U.S. Department of Energy as part of their Environmental Restoration Program. The following data have been collected and reviewed according to quality-assurance requirements specific to the Nevada Test Site. Data are listed by Nevada Test Site administrative area and then by hole number within each area. The measurement sites are shown in figure 37.

Site Identification--U.S. Geological Survey site designation.

Land Surface Elevation--Datum is sea level. Value may not represent current elevation.

Well Depth--Datum is land surface. Represents most recent available accessible depth.

Depth of Open Interval (feet below land surface datum)--Top, depth to top of shallowest open interval; bottom, depth to bottom of deepest open interval.

Depth to Water--Datum is land surface. Water levels represent a composite of all open intervals in well.

Status-- D, dry; R, site has been pumped recently; S, a nearby site that taps the same aquifer was being pumped; T, a nearby site that taps the same aquifer had been pumped recently; Z, other condition that would affect the measured water level.

Method--V, calibrated electric tape.

Accuracy-- 1, water level accurate to the nearest tenth of a foot; 2, water level accurate to the nearest hundredth of a foot.

Hole Number	Site Identification	Latitude	Longitude	Date Hole Completed	Land Surface Elevation (Feet above Sea Level)	Well Depth (feet)	Depth of Open Interval(s)		Number of Openings	Water-Level Measurement				
							Top (feet)	Bottom (feet)		Date	Depth to Water (feet)	Status	Method Accuracy	
AREA 1														
UE- 1a	370254116070601	37°02'54"	116°07'06"	02/02/1964	4303.6	562.	78.	957.	2	12/18/2002	545.28	V	1	
										03/06/2003	545.46	V	1	
										06/19/2003	545.12	V	1	
										09/18/2003	545.47	V	1	
UE- 1b	370254116064201	37°02'54"	116°06'42"	02/10/1964	4273.4	701.	76.	1254.	2	12/18/2002	644.66	V	1	
										03/06/2003	644.71	V	1	
										06/19/2003	644.48	V	1	
										09/18/2003	644.79	V	1	
UE- 1c	370253116055201	37°02'53"	116°05'52"	02/11/1964	4206.6	1772.	74.	1880.	2	12/18/2002	1297.52	V	1	
										03/06/2003	1297.55	V	1	
										06/19/2003	1297.37	V	1	
										09/18/2003	1297.68	V	1	
UE- 1h	370005116040301	37°00'05"	116°04'03"	07/03/1968	3994.9	3228.	2134.	3358.	2	12/23/2002	1554.90	V	1	
										03/06/2003	1555.11	V	1	
										06/19/2003	1554.83	V	1	
										09/24/2003	1555.07	V	1	
UE- 1L (recompleted)	370254116082002	37°02'54"	116°08'20"	11/11/1977	4457.	2284.	716.	2284.	2	12/18/2002	518.54	V	1	
										03/06/2003	518.45	V	1	
										07/09/2003	518.52	V	1	
										09/18/2003	518.52	V	1	
UE- 1q (2600 ft)	370337116033002	37°03'37"	116°03'30"	05/22/1992	4081.4	2600.	2459.	2600.	2	12/18/2002	1655.52	V	1	
										03/05/2003	1655.70	V	1	
										06/19/2003	1655.54	V	1	
										09/18/2003	1655.74	V	1	
AREA 2														
ER- 2-1 (2079 ft)	370725116033901	37°07'31"	116°03'42"	03/07/2003	4215.9	2079.	1642.	2177.	3	04/07/2003	1721.99	V	1	
										06/16/2003	1722.68	V	1	
										07/26/2003	1722.86	V	1	
										08/10/2003	1723.76	V	1	
ER- 2-1 (2559 ft)	370725116033902	37°07'31"	116°03'42"	03/07/2003	4215.9	2559.	2313.	2600.	2	04/07/2003	676.77	V	1	
										06/16/2003	609.00	V	1	
										08/10/2003	603.23	V	1	
										08/12/2003	603.04	V	1	
U - 2gk	370720116041601	37°07'20"	116°04'16"	10/15/1992	4241.7	1802.	116.	1809.	3	09/10/2003	599.44	V	1	
										09/10/2003	599.36	V	1	
										12/17/2002	1778.04	V	1	
										03/04/2003	1777.88	V	1	
UE- 2ce	370831116080701	37°08'31"	116°08'07"	01/23/1977	4764.5	1505.	1377.	1650.	4	06/16/2003	1777.77	V	1	
										09/09/2003	1777.72	V	1	
										12/16/2002	1447.38	V	1	
										03/04/2003	1447.47	V	1	
WW- 2 (3422 ft)	370958116051512	37°09'58"	116°05'15"	03/11/1962	4469.6	3422.	2700.	3412.	2	06/12/2003	1447.87	V	1	
										09/18/2003	1448.27	V	1	
										12/12/2002	2053.10	V	1	
										03/04/2003	2052.86	V	1	
										06/12/2003	2053.36	V	1	
										09/09/2003	2053.17	V	1	

NEVADA TEST SITE AND ADJACENT AREAS MONITORING PROJECT--Continued

Hole Number	Site Identification	Latitude	Longitude	Date Hole Completed	Land Surface Elevation (Feet above Sea Level)	Well Depth (feet)	Depth of Open Interval		Num- ber of Open- ings	Water-Level Measurement				
							Top (feet)	Bottom (feet)		Date	Depth to Water (feet)	Status	Method	Accuracy
AREA 3														
ER- 3-1-2 (shallow)	370116115561302	37°01'09"	115°56'09"	05/20/1994	4406.7	2310.	2208.	2310.	2	12/09/2002	2015.67	V	1	
										03/11/2003	2015.53	V	1	
										06/25/2003	2015.85	V	1	
										09/30/2003	2015.67	V	1	
ER- 3-2-2 (middle)	370214116021002	37°02'14"	116°02'10"	02/18/1994	4010.1	2655.	2588.	2636.	2	12/11/2002	1604.85	V	1	
										03/11/2003	1604.75	V	1	
										06/17/2003	1605.98	V	1	
										09/24/2003	1605.72	V	1	
TW- 7	370353116020201	37°03'53"	116°02'02"	06/27/1954	4057.8	2239.	1710.	2251.	4	12/16/2002	1643.45	V	1	
										03/05/2003	1643.44	V	1	
										06/17/2003	1643.73	V	1	
										09/10/2003	1643.80	V	1	
TW-E (2620 ft)	370321115594203	37°03'21"	115°59'42"	04/18/1962	4172.	2610.	0.	2620.	8	09/17/2003	1772.23	V	1	
U - 3cn 5	370320116012001	37°03'34"	116°01'20"	02/07/1966	4009.2	2830.	2832.	3030.	3	12/16/2002	1620.01	V	1	
										03/05/2003	1620.26	V	1	
										06/17/2003	1620.38	V	1	
										09/10/2003	1620.53	V	1	
U - 3mi	370020115593001	37°00'21"	115°59'30"	01/20/1986	4005.8	1651.	372.	1794.	2	12/11/2002	1558.05	V	1	
										03/12/2003	1557.95	V	1	
										06/23/2003	1557.98	V	1	
										09/16/2003	1558.00	V	1	
UE- 3e 4-1 (2181 ft)	370411116025910	37°04'11"	116°02'59"	03/19/1990	4081.3	2181.	2094.	2192.	2	12/17/2002	1216.76	V	1	
										03/05/2003	1195.24	V	1	
										06/16/2003	1189.44	V	1	
										09/18/2003	1189.50	V	1	
UE- 3e 4-2 (1919 ft)	370411116025911	37°04'11"	116°02'59"	03/22/1990	4081.3	1919.	1832.	1926.	2	12/17/2002	1417.01	V	1	
										03/05/2003	1417.31	V	1	
										06/16/2003	1417.71	V	1	
										09/18/2003	1418.79	V	1	
UE- 3e 4-3 (1661 ft)	370411116025912	37°04'11"	116°02'59"	03/26/1990	4081.4	1661.	1540.	1668.	2	12/17/2002	1548.64	V	1	
										03/05/2003	1548.41	V	1	
										06/16/2003	1548.45	V	1	
										09/18/2003	1548.51	V	1	
WW- A (1870 ft)	370142116021101	37°02'13"	116°02'10"	09/05/1960	4006.4	1870.	1555.	1870	3	12/11/2002	1600.92	V	1	
										03/11/2003	1600.78	V	1	
										06/17/2003	1600.79	V	1	
										09/24/2003	1600.75	V	1	
AREA 4														
TW- D	370418116044501	37°04'28"	116°04'30"	01/08/1961	4150.5	1950.	1772.	1950.	5	12/17/2002	1722.90	V	1	
										03/05/2003	1723.32	V	1	
										06/17/2003	1723.41	V	1	
										09/18/2003	1723.49	V	1	
AREA 5														
ER- 5-3 (3-in deep)	365223115561702	36°52'23"	115°56'17"	03/16/2000	3337.4	2212.	1995.	2190.	2	12/24/2002	929.20	V	1	
										03/10/2003	929.15	V	1	
										06/18/2003	928.97	V	1	
										09/25/2003	929.23	V	1	
ER- 5-3 (3-in shallow)	365223115561703	36°52'23"	115°56'17"	03/16/2000	3337.4	1237.	98.	1080.	2	12/24/2002	927.49	V	1	
										03/10/2003	927.52	V	1	
										06/18/2003	927.21	V	1	
										09/25/2003	927.47	V	1	
ER- 5-3 (8-in upper)	365223115561701	36°52'23"	115°56'17"	04/12/2001	3337.4	2549.	1446.	1782.	2	12/24/2002	927.31	V	1	
										03/10/2003	927.43	V	1	
										06/18/2003	927.23	V	1	
										09/25/2003	927.42	V	1	
ER- 5-3-2	365223115561801	36°52'23"	115°56'18"	03/29/2001	3337.4	4908.	4774.	5683.	2	03/10/2003	953.07	V	1	
										06/18/2003	952.65	V	1	
										09/25/2003	952.44	V	1	

GROUND-WATER LEVELS

NEVADA TEST SITE AND ADJACENT AREAS MONITORING PROJECT--Continued

Hole Number	Site Identification	Latitude	Longitude	Date Hole Completed	Land Surface	Well Depth (feet)	Depth of Open Interval		Number of Openings	Water-Level Measurement				
					Elevation (Feet above Sea Level)		Top (feet)	Bottom (feet)		Date	Depth to Water (feet)	Status	Method	Accuracy
AREA 5--Continued														
ER- 5-3-3	365223115561704	36°52'23"	115°56'17"	02/06/2001	3337.4	1745.	1412.	1800.	2	12/24/2002	927.26		V	1
										03/10/2003	927.35		V	1
										09/25/2003	927.31		V	1
ER- 5-4 (deep)	364928115574801	36°49'27"	115°57'48"	03/31/2001	3127.	3438.	1715.	3732.	4	09/29/2003	725.94		V	1
ER- 5-4 (shallow)	364928115574802	36°49'27"	115°57'48"	03/31/2001	3127.	814.	119.	813.	2	09/29/2003	726.78	T	V	1
ER- 5-4-2	364927115574801	36°49'27"	115°57'48"	09/18/2002	3127.	6658.	4848.	7000.	2	12/02/2002	740.53	R	V	1
										12/14/2002	725.55		V	1
										02/07/2003	696.59		V	1
										03/12/2003	686.60		V	1
										09/29/2003	662.62		V	1
RNM- 2S	364922115580101	36°49'22"	115°58'01"	04/01/1974	3130.2	1120.	1038.	1156.	2	12/30/2002	723.51		V	1
										03/10/2003	723.38		V	1
										09/25/2003	724.29	R	V	1
UE- 5n	364915115574101	36°49'15"	115°57'41"	03/01/1976	3113.0	1687.	720.	1687.	2	12/30/2002	705.97		V	1
										03/10/2003	705.82		V	1
										09/25/2003	706.20		V	1
WW- 5A	364635115572901	36°46'35"	115°57'29"	03/23/1951	3092.6	910.	642.	910.	2	10/23/2002	710.51		V	1
										11/05/2002	710.59		V	1
										11/25/2002	710.19		V	1
										12/30/2002	710.14		V	1
										01/28/2003	710.42		V	1
										01/28/2003	710.44		V	1
										03/10/2003	710.20		V	1
										06/18/2003	710.42		V	1
										09/25/2003	710.09		V	1
WW- 5B	364805115580801	36°48'05"	115°58'08"	05/07/1951	3092.1	900.	700.	900.	1	01/21/2003	687.02		V	1
										01/22/2003	688.37	R	V	1
										03/10/2003	687.29		V	1
										06/23/2003	687.29		V	1
										09/22/2003	687.47		V	1
AREA 6														
ER- 6-1(big)	365904115593401	36°59'04"	115°59'34"	10/26/1994	3937.2	3206.	1819.	3206.	3	03/12/2003	1546.86		V	1
										06/24/2003	1546.92		V	1
										09/24/2003	1546.88		V	1
ER- 6-1(small)	365904115593403	36°59'04"	115°59'34"	07/23/1992	3937.2	1790.	1435.	1542.	2	03/12/2003	1474.04		V	1
										06/24/2003	1473.92		V	1
										09/24/2003	1474.18		V	1
ER- 6-1-1	365904115593402	36°59'04"	115°59'34"	07/16/1993	3937.1	1940.	1835.	2052.	2	03/12/2003	1546.60		V	1
										06/24/2003	1546.65		V	1
										09/24/2003	1546.57		V	1
ER- 6-1-2 (1587 ft)	365901115593502	36°59'01"	115°59'35"	10/01/2002	3935.4	1587.	120.	1587.	2	12/14/2002	1471.9		V	1
										03/12/2003	1471.73		V	1
										06/24/2003	1471.78		V	1
										09/24/2003	1471.83		V	1
ER- 6-1-2 (3200 ft)	365901115593501	36°59'01"	115°59'35"	10/05/2002	3935.3	3200.	1775.	3200.	2	12/14/2002	1545.1		V	1
										03/12/2003	1544.87		V	1
										06/24/2003	1545.00		V	1
										09/24/2003	1544.90		V	1
ER- 6-2	365740116043501	36°57'40"	116°04'35"	07/21/1994	4231.3	3430.	1746.	3430.	3	12/23/2002	1784.18		V	1
										03/06/2003	1784.24		V	1
										06/23/2003	1784.00		V	1
										09/18/2003	1784.17		V	1
TW- B	365849116002101	36°58'45"	116°00'49"	06/14/1961	3931.8	1670.	1432.	1656.	2	12/11/2002	1504.39		V	1
										03/12/2003	1504.26		V	1
										06/23/2003	1504.02		V	1
										09/24/2003	1504.32		V	1
UE- 6d	365905116033201	36°59'05"	116°03'32"	05/07/1968	3947	3864.	2125.	3896.	3	12/19/2002	1514.49		V	1
										03/06/2003	1514.28		V	1
										06/23/2003	1514.19		V	1
										09/24/2003	1514.48		V	1

GROUND-WATER LEVELS

NEVADA TEST SITE AND ADJACENT AREAS MONITORING PROJECT--Continued

Hole Number	Site Identification	Latitude	Longitude	Date Hole Completed	Land Surface Elevation (Feet above Sea Level)	Well Depth (feet)	Depth of Open Interval		Number of Openings	Water-Level Measurement														
							Top (feet)	Bottom (feet)		Date	Depth to Water (feet)	Status	Method	Accuracy										
AREA 6--Continued																								
UE- 6e (2090-2230 ft)	365905116012002	36°59'05"	116°01'20"	11/11/1992	3938.1	2230.	2090.	2230.	1	12/11/2002	1509.83	V	1											
										03/12/2003	1509.66	V	1											
										06/23/2003	1509.52	V	1											
										09/25/2003	1509.44	V	1											
UE-14b	365550116091101	36°55'50"	116°09'11"	01/30/1984	4353.4	3680.	2051.	3680.	2	12/05/2002	1666.56	V	1											
										03/11/2003	1666.26	V	1											
										07/09/2003	1666.54	V	1											
										09/25/2003	1666.41	V	1											
WW- 3 (1800 ft)	365942116032901	36°59'43"	116°03'29"	03/05/1952	3969.	1800.	1535.	1800.	2	12/23/2002	1531.90	V	1											
										03/06/2003	1531.96	V	1											
										06/23/2003	1531.57	V	1											
										09/24/2003	1531.88	V	1											
WW- 4	365418116012601	36°54'18"	116°01'26"	11/18/1981	3601.5	1479.	942.	1479.	2	12/16/2002	837.71	V	1											
										03/17/2003	837.85	V	1											
										06/23/2003	838.21	V	1											
										09/22/2003	838.66	V	1											
WW- 4A	365412116013901	36°54'12"	116°01'39"	02/21/1990	3606.	1502.	1066	1516	3	12/16/2002	838.20	V	1											
										03/17/2003	838.35	V	1											
										06/23/2003	838.68	V	1											
										09/22/2003	839.17	V	1											
AREA 7																								
ER- 7-1	370424115594301	37°04'24"	115°59'43"	02/09/2003	4246.2	2500.	1775.	2500.	2	06/17/2003	1853.22	V	1											
										09/10/2003	1853.30	V	1											
U - 7cd	370451116024101	37°04'51"	116°02'41"	04/14/1992	4114.7	1523.	117.	1625.	3	03/31/2003	1425.84	V	1											
										07/14/2003	1426.04	V	1											
UE- 4t 1 (1906-2010 ft)	370556116025405	37°05'56"	116°02'54"	10/24/1990	4141.1	1993.	1906.	2010.	2	12/16/2002	475.67	V	1											
										12/17/2002	475.62	V	1											
										12/18/2002	475.73	V	1											
										12/19/2002	475.98	V	1											
										12/23/2002	475.90	V	1											
										12/24/2002	476.21	V	1											
										12/30/2002	476.53	V	1											
										12/31/2002	476.48	V	1											
										01/02/2003	476.74	V	1											
										03/05/2003	479.53	V	1											
UE- 4t 2 (1564-1754 ft)	370556116025406	37°05'56"	116°02'54"	10/24/1990	4141.1	1724.	1564.	1754.	2	06/16/2003	484.74	V	1											
										09/10/2003	489.15	V	1											
										12/16/2002	1193.36	V	1											
										12/17/2002	1193.21	V	1											
										12/18/2002	1193.15	V	1											
										12/19/2002	1193.14	V	1											
										12/23/2002	1192.48	V	1											
										12/24/2002	1192.29	V	1											
										12/30/2002	1191.91	V	1											
										12/31/2002	1191.83	V	1											
UE- 7nS	370556116000901	37°05'56"	116°00'09"	07/14/1976	4366.7	2022.	1707.	2205.	4	01/02/2003	1192.22	V	1											
										03/05/2003	1189.69	V	1											
										06/16/2003	1187.73	V	1											
										09/10/2003	1192.82	V	1											
										12/16/2002	1969.18	V	1											
										03/05/2003	1969.44	V	1											
										06/16/2003	1969.61	V	1											
										09/10/2003	1969.64	V	1											
										AREA 8														
										ER- 8-1	371248116032101	37°12'48"	116°03'21"	11/17/2002	4818.2	2065.	1895.	2863.	2	04/25/2003		D		
UE-10j (2232-2297 ft)	371108116045303	37°11'08"	116°04'53"	02/24/1993	4573.7	2532.	2232.	2297.	2	12/12/2002	2157.47	V	1											
										03/04/2003	2157.05	V	1											
										06/12/2003	2157.40	V	1											
										09/09/2003	2157.37	V	1											

GROUND-WATER LEVELS

NEVADA TEST SITE AND ADJACENT AREAS MONITORING PROJECT--Continued

Hole Number	Site Identification	Latitude	Longitude	Date Hole Completed	Land Surface	Well Depth (feet)	Depth of Open Interval		Number of Openings	Water-Level Measurement				
					Elevation (Feet above Sea Level)		Top (feet)	Bottom (feet)		Date	Depth to Water (feet)	Status	Method Accuracy	
AREA 11														
UE-11a	365259115571601	36°52'59"	115°57'16"	09/04/1982	3538.3	1130.	599.	1400.	2	12/23/2002		D		
										03/10/2003		D		
AREA 12														
ER-12-1	371106116110401	37°11'06"	116°11'03"	11/24/1992	5817.1	3434.	1641.	1846.	4	02/10/2003	1526.90		V	1
										03/20/2003	1526.87		V	1
										06/12/2003	1526.69		V	1
										09/09/2003	1526.41		V	1
ER-12-2	371019116072103	37°10'17"	116°07'21"	01/24/2003	4704.6	5203.	2964.	5203.	1	04/21/2003	215.76	Z	V	1
(2964-5203 ft)										04/22/2003	214.83		V	1
										06/08/2003	194.72		V	1
										06/24/2003	193.03		V	2
										07/13/2003	191.12		V	1
										09/09/2003	188.21		V	2
										09/15/2003	188.00		V	2
ER-12-2	371019116072102	37°10'17"	116°07'21"	01/24/2003	4704.6	6883.	5203.	6883.	1	04/21/2003	215.67	Z	V	1
(5203-6883 ft)										04/22/2003	214.83		V	1
										06/08/2003	194.52		V	1
										06/24/2003	192.83		V	2
										07/13/2003	190.94		V	1
										09/09/2003	187.98		V	2
										09/15/2003	187.77		V	2
ER-12-2	371019116072104	37°10'17"	116°07'21"	01/24/2003	4704.6	579.	120.	650.	2	01/23/2003	417.43		V	1
(579 ft)										01/27/2003	417.64		V	1
										03/03/2003	417.13		V	1
										03/10/2003	417.27		V	1
										03/20/2003	417.78		V	1
										04/10/2003	416.54		V	1
										06/08/2003	415.19		V	1
										07/13/2003	415.08		V	1
										09/15/2003	414.54		V	1
U -12s(1480 ft)	371342116125102	37°13'42"	116°12'57"	03/15/1966	6794.2	1467.	12.	1480.	2	03/27/2003	913.62		V	1
										06/11/2003	913.06		V	1
UE-12t 6	371332116112802	37°13'32"	116°11'28"	09/16/1988	6907.	1461.	23.	1461.	8	03/27/2003	833.78		V	1
(1461 ft)														
AREA 15														
U -15k	371346116032601	37°13'46"	116°03'26"	09/20/1979	5167.7	824.	404.	824.	2	12/12/2002	766.84		V	1
Test Hole										03/04/2003	764.89		V	1
										06/12/2003	762.46		V	1
										09/09/2003	760.38		V	1
AREA 16														
UE-16f	370208116092402	37°02'08"	116°09'24"	09/23/1977	4651.	1409.	1293.	1479.	1	03/06/2003	366.48		V	1
(1479 ft)										07/09/2003	366.71		V	1
										09/08/2003	366.65		V	1
AREA 17														
TW- 1(3694 ft)	370929116132311	37°09'29"	116°13'23"	1980	6155.8	3694.	1910.	2430.	5	12/12/2002	1462.39		V	1
										03/20/2003	1462.16		V	1
										06/11/2003	1462.18		V	1
										09/15/2003	1462.16		V	1
UE-17a	370425116095801	37°04'25"	116°09'58"	09/23/1976	4696.5	1207.	745.	1214.	4	01/06/2003	629.95	S	V	1
										03/06/2003	629.89		V	1
										06/04/2003	629.54		V	1
										09/18/2003	629.68		V	1
AREA 18														
ER-18-2	370615116222401	37°06'14"	116°22'22"	05/14/1999	5437.	2143.0	1351.	2101.	4	02/10/2003	1211.32		V	1
										03/25/2003	1211.39		V	1
										06/04/2003	1211.23		V	1
										09/30/2003	1211.40		V	1

NEVADA TEST SITE AND ADJACENT AREAS MONITORING PROJECT--Continued

Hole Number	Site Identification	Latitude	Longitude	Date Hole Completed	Land Surface Elevation (Feet above Sea Level)	Well Depth (feet)	Depth of Open Interval		Number of Openings	Water-Level Measurement				
							Top (feet)	Bottom (feet)		Date	Depth to Water (feet)	Status	Method	Accuracy
AREA 18-Continued														
UE-18r	370806116264001	37°08'05"	116°26'41"	01/24/1968	5538.2	4930.	1629.	5004.	3	12/05/2002	1363.99	V	1	
										03/25/2003	1364.08	V	1	
										06/04/2003	1363.86	V	1	
										09/30/2003	1363.87	V	1	
UE-18t	370741116194501	37°07'41"	116°19'45"	10/05/1978	5201.	2600.	1896.	2600.	1	12/05/2002	914.22	V	1	
										03/25/2003	914.25	V	1	
										06/04/2003	913.96	V	1	
										09/23/2003	914.09	V	1	
AREA 19														
ER-19-1-1 (deep)	371043116142101	37°10'43"	116°14'21"	12/17/1993	6139.8	3577.5	3210.	3560.	3	02/18/2003	1778.12	V	1	
										03/20/2003	1779.29	V	1	
										06/11/2003	1779.99	V	1	
										09/15/2003	1779.20	V	1	
ER-19-1-2 (middle)	371043116142102	37°10'43"	116°14'21"	12/17/1994	6139.8	2720.1	2700.1	2738.	2	02/18/2003	1147.26	V	1	
										03/20/2003	1146.15	V	1	
										06/11/2003	1145.02	V	1	
										09/15/2003	1144.14	V	1	
ER-19-1-3 (shallow)	371043116142103	37°10'43"	116°14'21"	12/17/1994	6139.8	1380.5	1301.	1422.	2	02/18/2003	1005.86	V	1	
										03/20/2003	1005.81	V	1	
										06/11/2003	1005.82	V	1	
										09/15/2003	1005.98	V	1	
U -19bh	371349116222001	37°13'49"	116°22'20"	06/14/1991	6767.9	2107.	70.	2148.	2	02/18/2003	2087.04	V	1	
										03/26/2003	2086.88	V	1	
										06/10/2003	2086.62	V	1	
										09/23/2003	2086.32	V	1	
U -19bj	371736116184701	37°17'36"	116°18'46"	06/02/1992	7034.5	2149.	57.	2153.	2	06/10/2003	2135.81	V	1	
										09/15/2003	2135.88	V	1	
U -19bk	371714116230301	37°17'14"	116°23'03"	12/11/1991	6669.9	2192.	57.	2198.	2	02/18/2003	1984.37	V	1	
										03/25/2003	1984.56	V	1	
										06/10/2003	1984.31	V	1	
										09/23/2003	1984.47	V	1	
UE-19c WW	371608116191002	37°16'08"	116°19'10"	06/30/1975	7033.1	8489.	2421.	8489.	2	03/26/2003	2339.56	V	1	
										06/10/2003	2339.62	V	1	
										09/15/2003	2339.60	V	1	
UE-19h	372034116222504	37°20'34"	116°22'25"	01/17/1992	6780.1	2288.	2050.	2283.	1	02/18/2003	2110.93	V	1	
										03/25/2003	2111.16	V	1	
										06/10/2003	2110.95	V	1	
										09/23/2003	2111.07	V	1	
AREA 20														
ER-20-1	371321116292301	37°13'21"	116°29'29"	09/09/1992	6180.9	2065.	1940.	2065.	1	02/04/2003	1988.71	V	1	
										03/25/2003	1989.06	V	1	
										06/04/2003	1988.84	V	1	
										09/22/2003	1988.97	V	1	
ER-20-2-1	371246116240101	37°12'46"	116°24'01"	08/03/1993	6670.	2524.	2303.	2524.	2	02/18/2003	2272.46	V	1	
										03/26/2003	2272.49	V	1	
										06/10/2003	2272.57	V	1	
										09/23/2003	2272.76	V	1	
ER-20-6-1 (3-in string)	371537116251501	37°15'37"	116°25'15"	03/15/1996	6474.8	2930.	2437.	2929.	3	02/05/2003	2023.21	V	1	
										03/24/2003	2023.29	V	1	
										06/05/2003	2023.43	V	1	
										09/16/2003	2023.29	V	1	
ER-20-6-2 (3-in string)	371536116251601	37°15'36"	116°25'16"	01/01/1996	6475.1	2933.	2414.	2945.	3	02/05/2003	2023.88	V	1	
										03/24/2003	2023.96	V	1	
										06/05/2003	2024.13	V	1	
										09/16/2003	2023.97	V	1	
ER-20-6-3 (3-in string)	371533116251801	37°15'33"	116°25'18"	04/16/1996	6466.	2789.7	2436.	2807.	2	02/05/2003	2014.88	V	1	
										03/24/2003	2014.98	V	1	
										06/05/2003	2015.13	V	1	
										09/16/2003	2014.97	V	1	

GROUND-WATER LEVELS

NEVADA TEST SITE AND ADJACENT AREAS MONITORING PROJECT--Continued

Hole Number	Site Identification	Latitude	Longitude	Date Hole Completed	Land Surface	Well	Depth of Open Interval		Number of Openings	Water-Level Measurement				
					Elevation (Feet above Sea Level)	Depth (feet)	Top (feet)	Bottom (feet)		Date	Depth to Water (feet)	Status	Method Accuracy	
AREA 20—Continued														
PM- 1 (7731 ft)	371649116242102	37°16'49"	116°24'21"	05/03/1964	6557.8	7731.	7543.	7731.	2	02/05/2003	2099.33		V	1
										03/25/2003	2099.24		V	1
										06/09/2003	2099.10		V	1
										09/22/2003	2098.95		V	1
PM- 2	372042116340501	37°20'42"	116°34'05"	05/01/1966	5591.8	8788.	2506.	8788.	13	02/04/2003	858.88		V	1
										03/24/2003	858.83		V	1
										06/03/2003	858.86		V	1
										09/22/2003	858.94		V	1
U -20 WW (cased)	371505116254501	37°15'05"	116°25'45"	07/22/1985	6467.6	3268.	2271.	3268	2	02/04/2003	2052.79		V	1
										03/24/2003	2052.77		V	1
										06/05/2003	2052.76		V	1
										09/16/2003	2054.32	R	V	1
U -20bg	371414116242901	37°14'14"	116°24'29"	12/19/1990	6567.2	2200.	58	2200	2	02/05/2003	2137.19		V	1
										03/25/2003	2137.48		V	1
										06/09/2003	2137.32		V	1
										09/22/2003	2137.44		V	1
UE-20bh 1	371442116243301	37°14'42"	116°24'33"	09/29/1991	6636.6	2810.	1936.	2810.	1	02/05/2003	2212.69		V	1
										03/25/2003	2212.96		V	1
										06/09/2003	2212.62		V	1
										09/22/2003	2212.86		V	1
UE-20n 1 (2834 ft)	371425116251902	37°14'25"	116°25'19"	06/10/1987	6460.7	2834.	2282.	2834.	3	02/04/2003	2040.80		V	1
										03/24/2003	2040.87		V	1
										06/05/2003	2040.98		V	1
										09/16/2003	2040.80		V	1
AREA 22														
SM-23-1	363905116005801	36°39'05"	116°00'58"		3543.4	1338.	1302.	1332.	1	12/31/2002	1164.34		V	1
										03/20/2003	1164.45		V	1
										06/24/2003	1164.44		V	1
										09/29/2003	1164.37		V	1
AREA 27														
TW- F (3400 ft)	364534116065902	36°45'34"	116°06'59"	06/12/1962	4142.7	3400.	3150.	3400.	2	12/09/2002	1735.84		V	1
										03/11/2003	1735.55		V	1
										06/25/2003	1735.66		V	1
										07/14/2003	1735.48		V	1

NEVADA TEST SITE

Ground-water withdrawals at the Nevada Test Site (NTS) are compiled in cooperation with the U.S. Department of Energy Hydrologic Resources Management Programs. The data are provided by Bechtel Nevada. The following data have been reviewed according to quality-assurance requirements specific to the Nevada Test Site. The following sites are shown in figure 37.

Station Identification	Hole Number	Latitude	Longitude	Ground-Water Withdrawals for Water Year 2003	
				Month	Millions of Gallons
365011115584702	UE- 5c WW	36°50'11"	115°58'47"	October	0.000
				November	0.000
				December	0.000
				January	0.087
				February	0.000
				March	0.000
				April	0.000
				May	0.000
				June	0.000
				July	0.000
				August	0.000
				September	0.000
				Total	0.087
364805115580801	WW- 5B	36°48'05"	115°58'08"	October	2.573
				November	2.365
				December	3.470
				January	1.630
				February	2.442
				March	3.259
				April	2.446
				May	2.836
				June	2.595
				July	2.157
				August	2.305
				September	2.572
				Total	30.653
364708115574401	WW- 5C	36°47'20"	115°57'49"	October	1.702
				November	2.302
				December	2.564
				January	2.017
				February	1.682
				March	2.207
				April	1.765
				May	1.934
				June	1.120
				July	1.061
				August	1.528
				September	1.651
				Total	21.534
365418116012601	WW- 4	36°54'18"	116°01'26"	October	3.538
				November	2.675
				December	1.779
				January	2.266
				February	0.129
				March	1.227
				April	2.184
				May	1.980
				June	3.664
				July	3.628
				August	3.758
				September	3.416
				Total	30.243

GROUND-WATER WITHDRAWALS

NEVADA TEST SITE--Continued

Station Identification	Hole Number	Latitude	Longitude	Ground-Water Withdrawals for Water Year 2003	
				Month	Millions of Gallons
365412116013901	WW- 4A	36°54'12"	116°01'39"	October	5.683
				November	5.793
				December	4.867
				January	6.678
				February	6.926
				March	6.030
				April	4.312
				May	5.393
				June	6.887
				July	6.048
				August	6.060
				September	6.782
				Total	71.460
365500116003901	WW- C-1	36°55'00"	116°00'39"	October	2.650
				November	1.041
				December	1.735
				January	1.384
				February	0.342
				March	0.944
				April	1.835
				May	2.026
				June	2.104
				July	1.412
				August	1.164
				September	1.102
				Total	17.740
370412116095101	UE-16d WW	37°04'12"	116°09'51"	October	0.901
				November	0.644
				December	0.831
				January	2.159
				February	2.510
				March	0.340
				April	0.353
				May	6.077
				June	5.981
				July	5.352
				August	3.777
				September	2.374
				Total	31.300
370956116172101	WW- 8	37°09'56"	116°17'21"	October	1.205
				November	1.086
				December	0.879
				January	0.904
				February	0.761
				March	0.941
				April	0.685
				May	1.612
				June	1.859
				July	1.340
				August	1.547
				September	2.717
				Total	15.535

GROUND-WATER WITHDRAWALS

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NEVADA TEST SITE--Continued

Station Identification	Hole Number	Latitude	Longitude	Ground-Water Withdrawals for Water Year 2003	
				Month	Millions of Gallons
363530116021401	Army 1 WW	36°35'30"	116°02'14"	October	4.392
				November	2.706
				December	2.409
				January	4.517
				February	4.337
				March	5.416
				April	4.892
				May	2.930
				June	1.869
				July	5.043
				August	4.108
				September	4.274
				Total	46.894
364554116232401	J -12 WW	36°45'54"	116°23'24"	October	0.353
				November	0.280
				December	0.647
				January	0.778
				February	0.723
				March	0.592
				April	0.596
				May	0.828
				June	1.284
				July	1.780
				August	1.986
				September	1.003
				Total	10.850
364828116234001	J -13 WW	36°48'28"	116°23'40"	October	0.498
				November	0.402
				December	0.176
				January	0.366
				February	0.242
				March	0.021
				April	0.000
				May	0.000
				June	0.000
				July	0.000
				August	0.000
				September	0.000
				Total	1.705

SPRING DISCHARGE

YUCCA MOUNTAIN GROUND-WATER MONITORING PROJECT

Periodic discharge measurements are made throughout the Yucca Mountain area to support environmental and regulatory aspects of the Yucca Mountain Project. The following data have been reviewed according to quality-assurance requirements specific to the Yucca Mountain Project. The following sites are shown in figure 37.

Measurement Method--C, current meter; V, volumetric

Abbreviations--GPM, gallons per minute.

Elevation--land-surface datum.

Spring Number	Spring Name	Site Identification	Owner	Elevation (Feet above sea level)	Measurements		
					Date	Discharge (GPM)	Method
230 S17 E50 09AD 1	Fairbanks Spring	362924116203001	U.S. Fish and Wildlife Service	2250.	02/19/2002	1600.	C
					05/08/2002	1500.	C
					09/24/2002	1600.	C
					11/22/2002	1600.	C
230S17 E50 23BBCA1	USFWS - Five Spring	362755116190401	U.S. Fish and Wildlife Service	2367.4	01/08/2002	39.	V
					02/07/2002	39.	V
					03/15/2002	38.	V
					04/22/2002	37.	V
					05/07/2002	38.	V
					06/14/2002	36.	V
					07/04/2002	37.	V
					08/07/2002	35.	V
					09/11/2002	40.	V
					10/25/2002	40.	V
230S18 E50 03ADBA1	Crystal Pool	362502116192301	U.S. Fish and Wildlife Service	2195.	11/07/2002	42.	V
					12/09/2002	41.	V
					02/19/2002	2800.	C
					05/09/2002	3000.	C
230S18 E51 19ACB 1	Big Spring	362230116162001	U.S. Fish and Wildlife Service	2240.	09/24/2002	2500.	C
					11/14/2002	2700.	C
					02/20/2002	1000.	C
					05/09/2002	920.	C
243026N002E13FS01S	Navel Spring	362252116425301	U.S. Borax	2080.	09/24/2002	980.	C
					11/19/2002	1100.	C
					02/20/2002	0.92	V
					05/07/2002	0.93	V
243027N001E23BS01S	Texas Spring	362728116501101	National Park Service	400.	08/06/2002	0.89	V
					11/21/2002	0.92	V
					02/20/2002	200.	C
					05/07/2002	200.	C
					08/06/2002	180.	C
					11/21/2002	200.	C

GROUND-WATER LEVELS

YUCCA MOUNTAIN GROUND-WATER MONITORING PROJECT

Periodic water-level measurements are made throughout the Yucca Mountain area to support environmental and regulatory aspects of the Yucca Mountain Project.

The following data, which do not include continual records developed from pressure-sensor data, have been reviewed according to quality-assurance requirements specific to the Yucca Mountain Project. The following sites are shown in figure 37.

Site Number--Sites are grouped by hydrographic area and, within each area, are listed in general north-to-south, then west-to-east order.

Elevation--Land surface datum.

Water Level Status--F, site was flowing; P, site was being pumped; R, site had been pumped recently; Z, measurement made in pump discharge column.

Water Level Method--S, steel tape; V, calibrated electric-tape

Water Level Accuracy--1, water level accurate to the nearest tenth of a foot; 2, water level accurate to the nearest one-hundredth of a foot.

Site Number	Local	Site Number	Station Name	Site Identification	Elevation (Feet Above Sea Level)	Well Depth (Feet)	Water Level (Below Land Surface)				
							Date	(Feet)	Status	Method	Accuracy
CF- 1a	229	S12 E48 07ADD 1	GEXA Well 3	365445116383901	4080.9	700.	01/09/2002	174.86	S		2
							02/06/2002	175.20	S		2
							03/27/2002	175.43	S		2
							04/22/2002	175.78	S		2
							05/02/2002	175.72	S		2
							06/20/2002	176.08	S		2
							07/03/2002	176.23	S		2
							08/26/2002	176.62	S		2
							09/12/2002	176.68	S		2
							10/24/2002	176.96	S		2
							11/12/2002	177.30	S		2
							12/09/2002	177.38	S		2
CF- 2	229	S13 E48 27C 1	USW VH-1	364732116330701	3161.1	2501.	01/17/2002	603.73	S		1
							02/06/2002	603.75	V		1
							03/27/2002	603.60	V		1
							04/22/2002	603.69	V		1
							05/02/2002	603.66	V		1
							06/26/2002	603.55	V		1
							07/03/2002	603.53	V		1
							08/13/2002	603.64	S		1
							09/24/2002	603.51	V		1
							10/24/2002	603.54	V		1
							11/19/2002	603.76	V		1
							12/12/2002	603.58	V		1
CF- 3	229	S14 E48 36DDD 1	Crater Flat 3	364105116302601	2725.6	460.	01/09/2002	331.25	S		1
							02/06/2002	331.33	S		1
							03/25/2002	331.33	S		1
							04/22/2002	331.31	S		1
							05/02/2002	331.29	S		1
							06/20/2002	331.28	S		1
							07/03/2002	331.32	S		1
							08/26/2002	331.22	S		1
							09/24/2002	331.22	S		1
							10/25/2002	331.20	S		1
							11/22/2002	331.21	S		1
							12/05/2002	331.24	S		1
JF- 1	227A	S12 E50 33A 1	UE-25 WT 15	365116116233801	3553.8	1360.	01/16/2002	1160.50	S		1
							02/11/2002	1160.79	V		1
							03/21/2002	1160.78	V		1
							04/29/2002	1160.66	V		1
							05/23/2002	1160.62	V		1
							06/19/2002	1160.48	V		1
							07/10/2002	1160.70	V		1
							08/14/2002	1160.44	S		1
							09/23/2002	1160.58	V		1
							10/10/2002	1160.42	V		1
							11/30/2002	1160.47	V		1
							12/12/2002	1160.49	V		1

GROUND-WATER LEVELS
YUCCA MOUNTAIN GROUND-WATER MONITORING PROJECT--Continued

Site Number	Local Well Number	Station Name	Site Identification	Elevation (Feet Above Sea Level)	Well Depth (Feet)	Water Level (Below Land Surface)				
						Date	(Feet)	Status	Method	Accuracy
JF- 2a	227A S13 E49 14A2	UE-25p 1 PTH (Lwr Intrvl)	364938116252102	3655.5	5923	01/17/2002	1184.27		V	1
						02/11/2002	1184.52		V	1
						03/21/2002	1184.47		V	1
						04/29/2002	1184.29		V	1
						05/23/2002	1184.38		V	1
						06/19/2002	1184.55		V	1
						07/10/2002	1184.98		V	1
						08/08/2002	1184.84		V	1
						09/23/2002	1184.50		V	1
						10/10/2002	1184.34		V	1
						11/18/2002	1184.72		V	1
						12/05/2002	1184.62		V	1
J -13	227A S13 E50 19C1	J -13 WW	364828116234001	3317.9	3488.	01/17/2002	932.14	P	V	1
						02/11/2002	932.40	P	V	1
						02/22/2002	927.93		V	1
						03/21/2002	927.64		V	1
						04/29/2002	927.46		V	1
						05/23/2002	927.50		V	1
						06/19/2002	927.30		V	1
						07/10/2002	927.46		V	1
						08/08/2002	927.40		V	1
						09/23/2002	927.26		V	1
						10/10/2002	927.15		V	1
						11/18/2002	927.43		V	1
J -11	227A S13 E51 31B1	J -11 WW	364706116170601	3442.8	1327.	12/05/2002	927.35		V	1
						01/16/2002	1040.20		S	1
						02/11/2002	1040.56		V	1
						03/21/2002	1040.47		V	1
						04/29/2002	1040.31		V	1
						05/23/2002	1040.31		V	1
						06/19/2002	1040.18		V	1
						07/10/2002	1040.35		V	1
						08/14/2002	1040.20		S	1
						09/23/2002	1040.20		V	1
						10/10/2002	1040.16		V	1
						11/18/2002	1040.51		V	1
J -12	227A S14 E50 06A2	J -12 WW	364554116232401	3128.4	1139.	12/13/2002	1040.32		V	1
						01/16/2002	739.81		S	1
						02/11/2002	739.78		V	1
						03/21/2002	739.85		V	1
						04/29/2002	739.81		V	1
						05/23/2002	739.84		V	1
						06/19/2002	739.67		V	1
						07/10/2002	739.76		V	1
						08/14/2002	739.68		S	1
						09/23/2002	739.76		V	1
						10/10/2002	739.65		V	1
						11/18/2002	739.83		V	1
JF- 3	227A S14 E50 06D1	JF- 3 Well	364528116232201	3098.3	1138.	12/05/2002	739.87		V	1
						01/15/2002	709.69		V	1
						02/11/2002	709.87		V	1
						03/21/2002	709.82		V	1
						04/29/2002	709.81		V	1
						05/23/2002	709.81		V	1
						06/19/2002	709.66		V	1
						07/10/2002	709.80		V	1
						08/08/2002	709.80		V	1
						09/23/2002	709.74		V	1
						10/09/2002	709.69		V	1
						10/10/2002	709.64		V	1
						10/28/2002	709.72		V	1
						11/18/2002	709.82		V	1
						12/05/2002	709.84		V	1

GROUND-WATER LEVELS
YUCCA MOUNTAIN GROUND-WATER MONITORING PROJECT--Continued

Site Number	Local Well Number	Station Name	Site Identification	Elevation (Feet Above Sea Level)	Well Depth (Feet)	Water Level (Below Land Surface)				
						Date	(Feet)	Status	Method	Accuracy
RV- 1	226 S15 E50 24A1	TW- 5	363815116175901	3056.0	800.	01/09/2002	677.30		V	1
						02/06/2002	677.39		V	1
						03/25/2002	677.42		V	1
						04/18/2002	677.34		V	1
						05/08/2002	677.44		V	1
						06/14/2002	677.45		V	1
						07/03/2002	677.63		V	1
						08/09/2002	677.71		V	1
						09/13/2002	677.70		V	1
						10/10/2002	677.56		V	1
						11/19/2002	677.80		V	1
						12/12/2002	677.73		V	1
MV- 1	225 S16 E53 05ADB 1	Army 1 WW	363530116021401	3153.3	1953.	01/14/2002	786.04	Z	V	1
						02/11/2002	786.37	Z	V	1
						03/25/2002	786.54	Z	V	1
						04/29/2002	786.57	Z	V	1
						05/13/2002	786.83	Z	V	1
						06/24/2002	786.99	Z	V	1
						07/29/2002	786.82	Z	V	1
						08/26/2002	786.70	Z	V	1
						09/23/2002	786.69	Z	V	1
						10/28/2002	786.51	Z	V	1
						11/12/2002	786.85	Z	V	1
						12/09/2002	785.88	Z	V	1
AD- 1	230 S14 E47 32DA 1	NA-6 Deep Well (BGMW-10)	364141116351401	2627.9	960.	01/09/2002	269.59		S	1
						02/06/2002	269.69		S	1
						03/27/2002	269.75		S	1
						04/22/2002	269.81		S	1
						05/02/2002	269.82		S	1
						06/20/2002	269.84		S	1
						07/03/2002	269.71		S	1
						08/26/2002	269.69		S	1
						09/24/2002	269.77		S	1
						10/24/2002	269.75		S	1
						11/12/2002	269.99		S	1
						12/09/2002	269.76		S	1
AD- 2	230 S15 E49 24ABB 1	Airport Well	363830116241401	2638.8	750.	01/09/2002	325.24		S	1
						02/06/2002	325.37		S	1
						03/25/2002	325.58		S	1
						04/18/2002	325.51		S	1
						05/02/2002	325.52		S	1
						06/14/2002	325.38		S	1
						07/03/2002	325.20		S	1
						08/26/2002	325.43		S	1
						09/12/2002	325.62		S	1
						10/25/2002	325.46		S	1
						11/12/2002	325.71		S	1
						12/09/2002	325.54		S	1
AD- 2a	230 S15 E50 18CCDB1	NDOT - Well	363835116234001	2656.8	495.	01/07/2002	341.93		S	1
						02/06/2002	341.50		S	1
						03/25/2002	341.91		S	1
						04/19/2002	341.93		S	1
						05/02/2002	341.92		S	1
						06/20/2002	342.07		S	1
						07/03/2002	342.58		S	1
						08/26/2002	342.55		S	1
						09/12/2002	342.58		S	1
						10/10/2002	342.10		S	1
						11/12/2002	342.18		S	1
						12/09/2002	342.14		S	1

GROUND-WATER LEVELS
YUCCA MOUNTAIN GROUND-WATER MONITORING PROJECT--Continued

Site Number	Local Well Number	Station Name	Site Identification	Elevation (Feet Above Sea Level)	Well Depth (Feet)	Water Level (Below Land Surface)				
						Date	(Feet)	Status	Method	Accuracy
AD- 3a	230 S16 E48 05CAB 1	Amargosa Desert 3a	363521116352501	2395.3	240.	01/08/2002	133.14	S		2
						02/06/2002	133.18	S		2
						03/25/2002	133.23	S		2
						04/23/2002	133.39	S		2
						05/01/2002	133.35	S		2
						06/18/2002	133.40	S		2
						07/02/2002	133.49	S		2
						08/07/2002	133.64	S		2
						09/11/2002	133.64	S		2
						10/24/2002	133.73	S		2
						11/07/2002	133.77	S		2
						12/13/2002	133.83	S		2
AD- 4a	230 S16 E50 07CABB1	Amargosa Desert 4a	363428116234701	2477.8	269.	01/07/2002	119.13	S		2
						02/07/2002	119.50	S		2
						03/25/2002	119.59	S		2
						04/23/2002	119.62	S		2
						05/08/2002	119.60	S		2
						06/14/2002	119.60	S		2
						07/03/2002	119.63	S		2
						08/07/2002	119.81	S		2
						09/11/2002	119.77	S		2
						10/25/2002	119.71	S		2
						11/07/2002	119.68	S		2
						12/09/2002	119.79	S		2
AD- 5	230 S16 E49 18DCCA1	USBLM Well	363310116294001	2376.4	348.	01/17/2002	129.05	S		2
						02/07/2002	128.97	S		2
						03/25/2002	128.92	S		2
						04/23/2002	129.07	S		2
						05/01/2002	129.09	S		2
						06/18/2002	129.58	S		2
						07/02/2002	129.74	S		2
						08/16/2002	130.23	S		2
						09/11/2002	130.56	S		2
						10/24/2002	131.12	S		2
						11/07/2002	131.25	S		2
						12/13/2002	131.36	S		2
AD- 6	230 S16 E51 27BAA 3	Tracer Well 3	363213116133800	2402.3	678.	01/15/2002	41.79	S		2
						02/06/2002	41.85	S		2
						03/27/2002	41.81	S		2
						04/18/2002	41.85	S		2
						05/24/2002	41.79	S		2
						06/19/2002	41.69	S		2
						07/03/2002	41.81	S		2
						08/09/2002	41.84	S		2
						09/10/2002	41.77	S		2
						10/11/2002	41.85	S		2
						11/06/2002	41.85	S		2
						12/12/2002	41.86	S		2
AD- 7a	230 S17 E48 01AB 3	Amargosa Desert 7a	363009116302702	2305.0	210.	01/08/2002	78.05	S		2
						02/07/2002	77.01	S		2
						03/25/2002	76.70	S		2
						04/29/2002	78.28	S		2
						04/30/2002	78.41	S		2
						05/01/2002	78.41	S		2
						06/19/2002	81.46	S		2
						07/02/2002	82.02	S		2
						08/07/2002	84.03	S		2
						09/11/2002	84.52	S		2
						10/25/2002	83.00	S		2
						11/07/2002	82.36	S		2
						12/13/2002	80.61	S		2

GROUND-WATER LEVELS
YUCCA MOUNTAIN GROUND-WATER MONITORING PROJECT--Continued

Site Number	Local Well Number	Station Name	Site Identification	Elevation (Feet Above Sea Level)	Well Depth (Feet)	Water Level (Below Land Surface)				
						Date	(Feet)	Status	Method	Accuracy
AD- 8	230 S17 E52 08CDB 1	Amargosa Desert 8	362929116085701	2394.3	215.	01/07/2002	34.98	S		2
						02/07/2002	35.23	S		2
						03/25/2002	35.28	S		2
						04/22/2002	35.30	S		2
						05/13/2002	35.33	S		2
						06/19/2002	35.47	S		2
						07/04/2002	35.29	S		2
						08/09/2002	35.46	S		2
						09/11/2002	35.49	S		2
						10/28/2002	34.29	R	S	2
						11/12/2002	35.39	S		2
						12/09/2002	35.28	S		2
AD-9a	230 S17 E49 15BC 2	Amargosa Desert 9a	362835116264102	2260.1	415.	01/08/2002	75.42	S		2
						02/07/2002	75.07	S		2
						03/25/2002	76.84	S		2
						04/22/2002	77.75	S		2
						05/01/2002	77.42	S		2
						06/24/2002	81.09	S		2
						07/02/2002	81.12	S		2
						07/11/2002	79.75	S		2
						08/07/2002	82.30	S		2
						09/13/2002	80.79	S		2
						10/25/2002	81.01	S		2
						11/07/2002	79.24	S		2
						12/13/2002	78.74	S		2
AD-10	230 026N005E05E001S NA-9 Deep Well		362525116274301	2190.9	1090.	01/08/2002	13.84	S		2
						02/05/2002	13.74	S		2
						03/19/2002	13.60	S		2
						04/19/2002	13.57	S		2
						05/01/2002	13.54	S		2
						06/14/2002	13.80	S		2
						07/02/2002	13.73	S		2
						08/07/2002	13.68	S		2
						09/11/2002	13.86	S		2
						10/24/2002	13.83	S		2
						11/07/2002	13.81	S		2
						12/04/2002	13.64	S		2
AD-11	230 S19 E50 01BBD 1	GS-03 Deep Well	361954116181201	2351.3	2000.	01/08/2002	210.71	S		2
						02/05/2002	210.74	S		2
						03/19/2002	210.64	S		2
						04/18/2002	210.31	S		2
						05/01/2002	210.18	S		2
						06/18/2002	209.74	S		2
						07/02/2002	209.72	S		2
						08/06/2002	209.49	S		2
						09/10/2002	209.39	S		2
						10/11/2002	209.50	S		2
						11/06/2002	209.80	S		2
						12/13/2002	209.80	S		2
AD-12	230 S18 E51 34CBD 1	GS-01 Deep Well	362014116133901	2430.3	1580.	01/08/2002	80.87	S		2
						02/05/2002	80.90	S		2
						03/15/2002	80.85	S		2
						04/18/2002	80.88	S		2
						05/01/2002	80.89	S		2
						06/18/2002	80.88	S		2
						07/02/2002	80.90	S		2
						08/06/2002	80.94	S		2
						09/10/2002	80.92	S		2
						10/25/2002	80.91	S		2
						11/22/2002	80.91	S		2
						12/04/2002	80.93	S		2

GROUND-WATER LEVELS
YUCCA MOUNTAIN GROUND-WATER MONITORING PROJECT--Continued

Site Number	Local Well Number	Station Name	Site Identification	Elevation (Feet Above Sea Level)	Well Depth (Feet)	Water Level (Below Land Surface)				
						Date	(Feet)	Status	Method	Accuracy
AD-13	230 025N004E21M001SS-1	Deep Well	361724116324201	2703.2	2000.	01/17/2002	370.85	S		1
						02/05/2002	371.00	S		1
						03/19/2002	370.96	S		1
						04/19/2002	366.79	S		1
						05/01/2002	366.42	S		1
						06/18/2002	365.92	S		1
						07/02/2002	366.12	S		1
						08/15/2002	366.13	S		1
						09/10/2002	365.94	S		1
						10/25/2002	366.14	S		1
						11/06/2002	366.42	S		1
						12/13/2002	366.32	S		1
AD-14	230 025N005E14M001S	Death Valley Jct Well	361817116244701	2041.8	225.	01/08/2002	2.49	S		2
						02/05/2002	2.46	S		2
						03/19/2002	2.46	S		2
						04/18/2002	2.34	S		2
						05/01/2002	2.41	S		2
						06/18/2002	2.70	S		2
						07/02/2002	2.88	S		2
						08/06/2002	2.68	S		2
						09/10/2002	2.83	S		2
						10/24/2002	2.74	S		2
						11/06/2002	2.64	S		2
						12/04/2002	2.58	S		2
AM- 1	230 S17 E50 10CDD 1	Rogers Spring Well	362858116195301	2265.9	202.	01/08/2002	2.76	S		2
						02/07/2002	2.77	S		2
						03/15/2002	2.64	S		2
						04/29/2002	2.72	S		2
						05/07/2002	2.80	S		2
						06/18/2002	3.49	S		2
						07/04/2002	3.77	S		2
						08/07/2002	4.21	S		2
						09/11/2002	4.08	S		2
						10/11/2002	3.72	S		2
						11/06/2002	3.29	S		2
						12/09/2002	2.97	S		2
AM- 2	230 S17 E50 23BBA1	Five Springs Well	362755116190401	2367.4	123.	01/08/2002	0.26	F	S	2
						02/07/2002	0.25	F	S	2
						03/15/2002	0.26	F	S	2
						04/22/2002	0.25	F	S	2
						05/07/2002	0.25	F	S	2
						06/14/2002	0.25	F	S	2
						07/04/2002	0.25	F	S	2
						08/07/2002	0.25	F	S	2
						09/11/2002	.29	F	S	2
						10/25/2002	0.31	F	S	2
						11/07/2002	0.31	F	S	2
						12/09/2002	.31	F	S	2
AM- 3	230 S17 E50 33CAAB1	Ash Meadows 3	362555116205301	2157.0	202.	01/08/2002	20.65		S	2
						02/07/2002	20.32		S	2
						03/15/2002	20.01		S	2
						04/23/2002	19.83		S	2
						05/07/2002	19.81		S	2
						06/14/2002	20.08		S	2
						07/04/2002	20.39		S	2
						08/07/2002	21.18		S	2
						09/11/2002	21.54		S	2
						10/11/2002	21.74		S	2
						11/06/2002	21.82		S	2
						12/04/2002	21.72		S	2

GROUND-WATER LEVELS
YUCCA MOUNTAIN GROUND-WATER MONITORING PROJECT--Continued

Site Number	Local Well Number	Station Name	Site Identification	Elevation (Feet Above Sea Level)	Well Depth (Feet)	Water Level (Below Land Surface)				
						Date	(Feet)	Status	Method	Accuracy
AM- 5	230 S17 E50 36DDC 1	Devils Hole Well	362529116171100	2404.1	200.	01/08/2002	48.16	S		2
						02/07/2002	48.17	S		2
						03/15/2002	48.20	S		2
						04/18/2002	48.19	S		2
						05/01/2002	48.14	S		2
						06/14/2002	48.19	S		2
						07/04/2002	48.08	S		2
						08/07/2002	48.22	S		2
						09/11/2002	48.16	S		2
						10/11/2002	48.19	S		2
						11/06/2002	48.17	S		2
						12/04/2002	48.10	S		2
AM- 6	230 S18 E51 07BBBB1	Point of Rocks North Well	362432116165701	2318.8	500.	01/08/2002	21.36	S		2
						02/07/2002	21.36	S		2
						03/15/2002	21.34	S		2
						04/18/2002	21.44	S		2
						05/13/2002	21.46	S		2
						06/14/2002	21.65	S		2
						07/04/2002	21.51	S		2
						08/07/2002	21.61	S		2
						09/11/2002	21.60	S		2
						10/11/2002	21.54	S		2
						11/06/2002	21.57	S		2
						12/04/2002	21.47	S		2
AM- 7	230 S18 E51 07BDB 1	Point of Rocks South Well	362417116163600	2333.5	586.	01/08/2002	7.58	S		2
						02/06/2002	7.59	S		2
						03/15/2002	7.58	S		2
						04/18/2002	7.58	S		2
						05/13/2002	7.62	S		2
						06/14/2002	8.60	S		2
						07/04/2002	7.69	S		2
						08/07/2002	7.90	S		2
						09/11/2002	7.85	S		2
						10/11/2002	7.84	S		2
						11/06/2002	7.62	S		2
						12/04/2002	7.53	S		2
DV- 3	243 026N003E21L001S	Travertine Point 1 Well	362230116392901	2728.4	650.	01/14/2002	601.88	V		1
						02/05/2002	601.89	V		1
						03/19/2002	601.97	V		1
						04/19/2002	601.90	V		1
						05/01/2002	601.90	V		1
						06/18/2002	601.88	V		1
						07/02/2002	601.96	V		1
						08/06/2002	601.95	V		1
						09/10/2002	601.97	V		1
						10/25/2002	602.00	V		1
						11/07/2002	601.98	V		1
						12/04/2002	602.17	V		1

Other well data for Amargosa Valley 230 may be found in Nevada Test Site and Adjacent Areas Monitoring Project tables.

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